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.

Catalog #	**H2750ICAT/5609930/691WB**
Project	
Comments	**FRONT MAIN ENTRY EXTERIOR**
Prepared by	

Type
A

Date

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 ½" 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 effi-cacy incandescent sources (see LED Module specifications).

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 Européene" 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 fro 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
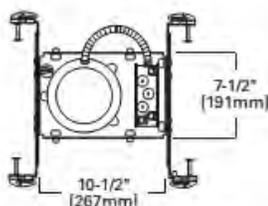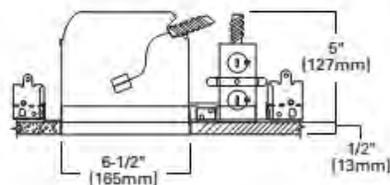
H2750ICAT

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

air·tite™

RoHS Compliant   CE

ENERGY STAR® Can be used with qualified LED modules

IECC International Energy Conservation Code High Efficacy Compliance

T24 California Title 24 High Efficacy Compliance

WSEC Washington State Energy Code High Efficacy Compliance

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

5" (127mm)

6-1/2" (165mm)   1/2" (13mm)

7-1/2" (191mm)

10-1/2" (267mm)

Cooper Lighting
by EATON

* Not to be used in direct contact with spray foam insulation.

ORDERING INFORMATION - RL56 SERIES

SAMPLE NUMBER: H2750ICAT - RL560WH6927
Order housing, light module, trim and separately.

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

ORDERING INFORMATION - RA56 SERIES

SAMPLE NUMBER: H2750ICAT - RA5606927WH
Order housing, light module, trim and separately.

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

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

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

Cooper Lighting
by **EATON**

LITHONIA LIGHTING®

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 -30ºC to 40ºC.

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.

Note: Specifications are subject to change without notice.

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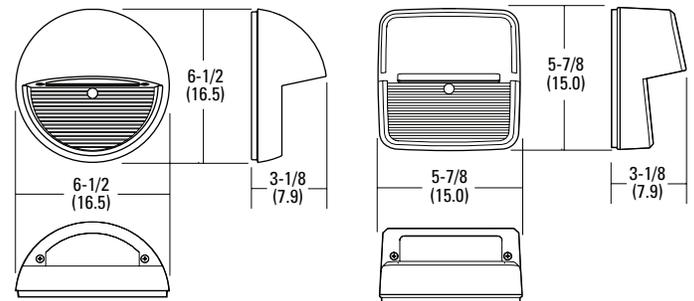
Outdoor General Purpose

OLSR & OLSS

LED STEP LIGHT

Specifications

All dimensions are inches (centimeters)

6-1/2 (16.5)

6-1/2 (16.5)

3-1/8 (7.9)

5-7/8 (15.0)

5-7/8 (15.0)

3-1/8 (7.9)

ORDERING INFORMATION	Lead times will vary depending on options selected. Consult with your sales representative.			**Example:** OLSS DDB

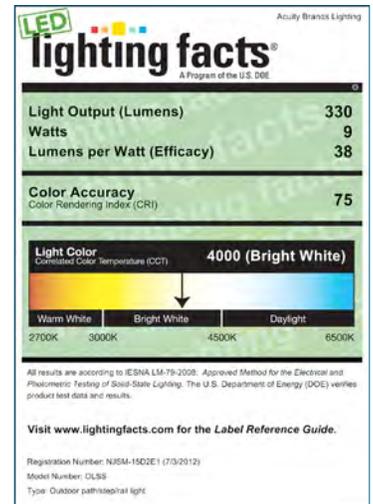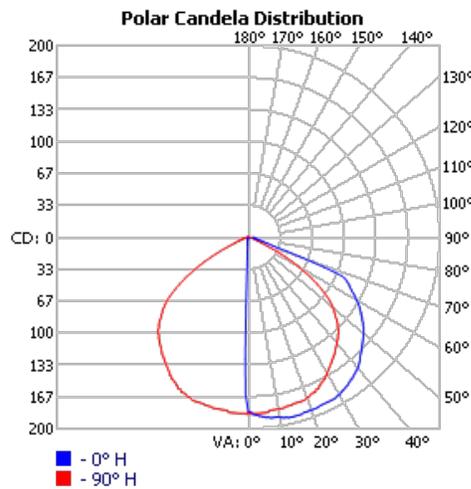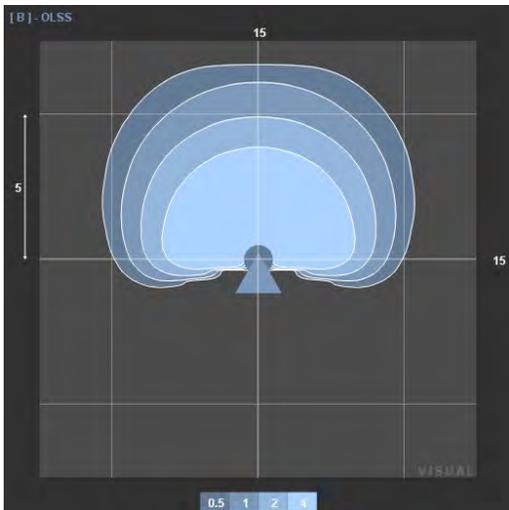| Series		Color temperature (CCT)		Voltage		Finish	
OLSR	Step light round	(blank)	4000K	(blank)	MVOLT (120V-277V)	DDB	Dark bronze
OLSS	Step light square					WH	White

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

Polar Candela Distribution

- ■ - Max Cd: 22.5° H
- ■ - 0° H
- ■ - 90° H

lighting facts®
A Program of the U.S. DOE

Acuity Brands Lighting

Light Output (Lumens)	370
Watts	9
Lumens per Watt (Efficacy)	41

Color Accuracy
Color Rendering Index (CRI) — 75

Light Color
Correlated Color Temperature (CCT) — 4000 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and
Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies
product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-DSH8F8 (6/25/2012)
Model Number: OLSR
Type: Outdoor path/step/rail light

OLSS

Polar Candela Distribution

- ■ - 0° H
- ■ - 90° H

lighting facts®
A Program of the U.S. DOE

Acuity Brands Lighting

Light Output (Lumens)	330
Watts	9
Lumens per Watt (Efficacy)	38

Color Accuracy
Color Rendering Index (CRI) — 75

Light Color
Correlated Color Temperature (CCT) — 4000 (Bright White)

Warm White | Bright White | Daylight
2700K | 3000K | 4500K | 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and
Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies
product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: NJSM-15D2E1 (7/3/2012)
Model Number: OLSS
Type: Outdoor path/step/rail light

LITHONIA LIGHTING®

An *Acuity*Brands Company

LiveRoof®
Hybrid Green Roof System

Natural Function
Natural Beauty

LOCALLY MADE

Patented in the U.S and Canada.

FULLY-GROWN INVISIBLE
MODULAR GREEN ROOF SYSTEM
"The Hybrid System"

SIMPLE • EFFECTIVE • ATTRACTIVE

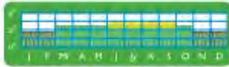**Jon Olson • 616-935-1983 • 800-875-1392 • Jono@liveroof.com**

Revised April 21, 2015

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

Kamchatka Sedum .... Zone 3 ....

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® .... Zone 3 ....

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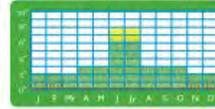
3"-4"; 6"-8" in bloom. full sun to light shade. GreenGlow® straddles the spectrum between green and yellow. More chartreuse then green, it tends to glow and gives off an iridescent green tone to its lovely sprucelike evergreen foliage. The foliage texture and the height of its flower stalks help to make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

Sedum spurium 'John Creech'
(see-dum spew-ree-um)

'John Creech' Sedum .... Zone 3 ....

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 .... Zone 3 ....

Semi-Evergreen

1 ½" - 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 .... Zone 3 ....

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 .... Zone 3 ....

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® System Specifications

MODULE SIZE	**LiveRoof Standard:** 1′ x 2′ x 3-1/4″ (soil height appx. 4.25″) Soil fills soil elevator, plants and soil obscure module edges.
MODULE WEIGHT	**Standard:** 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. *Hi-Flow option available with standard and deep module.*
MODULE COLOR	Black or gray
WEIGHT VEGETATED (fully saturated)	**LiveRoof Standard:** approx. 27-29 lbs./SF
DRAINAGE	Positive drain holes, at lowest point in module.
SOIL MEDIA	Proprietary LiveRoof specified engineered soil, 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® system.
IRRIGATION SYSTEM	Irrigation is recommended for backup during prolonged hot, dry and windy weather patterns. Simple overhead system is inexpensive and effective insurance. *Irrigation requirements are dependent on plant selection, climate and roof design.* 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.
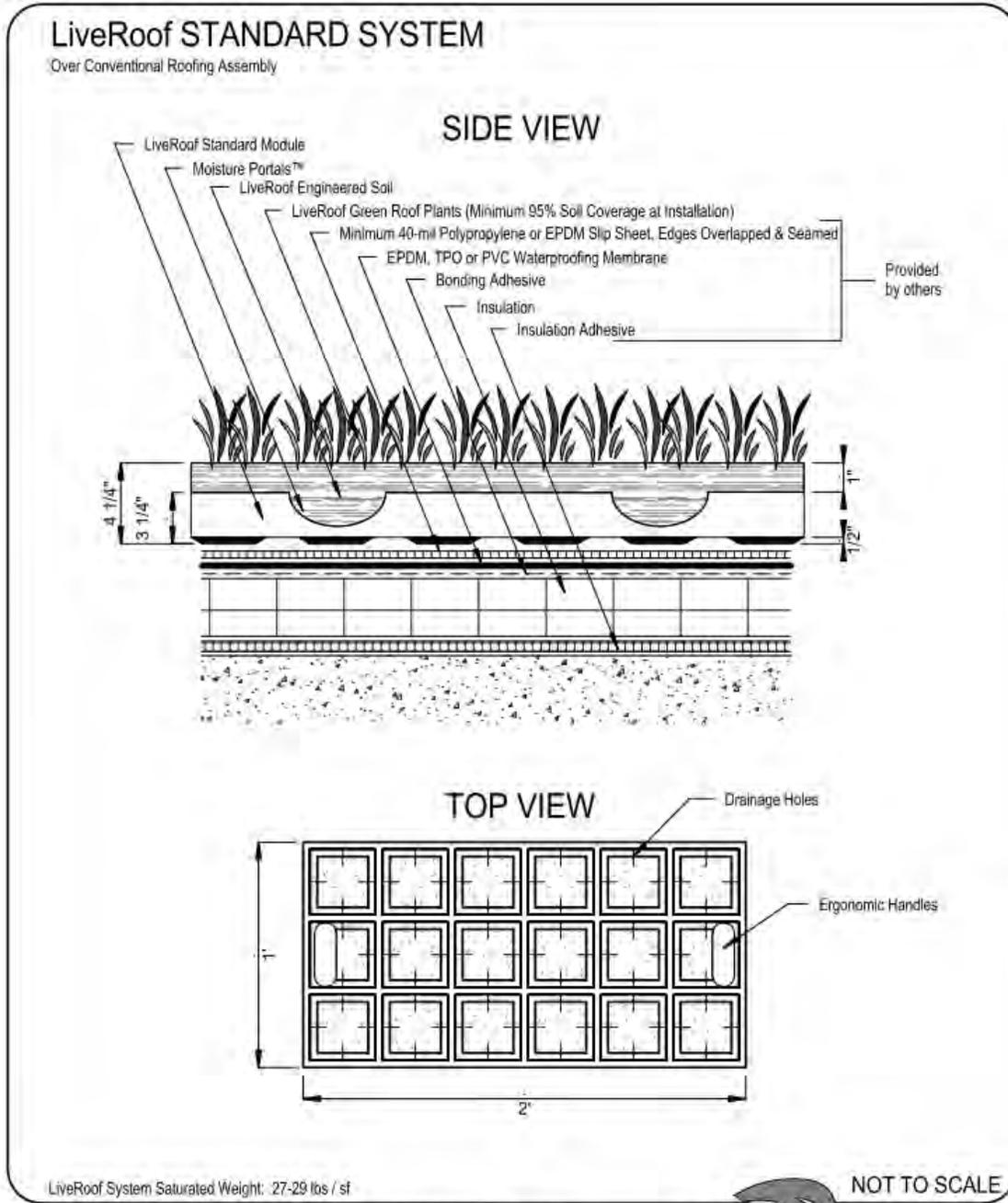
1.2 SUBMITTALS

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 (ft² or m²).
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

LiveRoof STANDARD SYSTEM
Over Conventional Roofing Assembly

SIDE VIEW

- LiveRoof Standard Module
- Moisture Portals™
- LiveRoof Engineered Soil
- LiveRoof Green Roof Plants (Minimum 95% Soil Coverage at Installation)
- Minimum 40-mil Polypropylene or EPDM Slip Sheet, Edges Overlapped & Seamed
- EPDM, TPO or PVC Waterproofing Membrane
- Bonding Adhesive
- Insulation
- Insulation Adhesive

Provided by others

4 1/4"
3 1/4"
1"
1/2"

TOP VIEW

- Drainage Holes
- Ergonomic Handles

1'
2'

LiveRoof System Saturated Weight: 27-29 lbs / sf

NOT TO SCALE
STANDARD A

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.
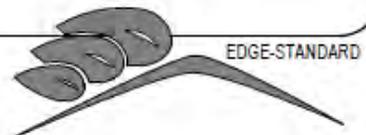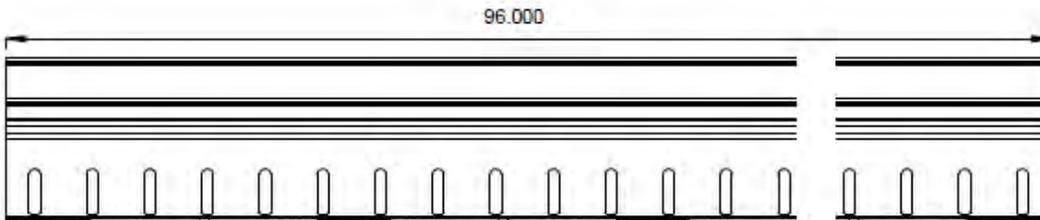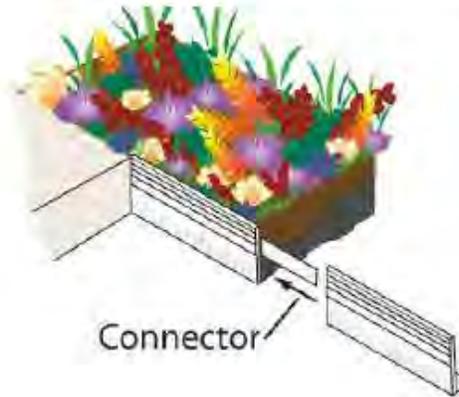
LiveRoof, LLC
P.O. Box 533
Spring Lake, MI 49456
(800) 875-1392
www.liveroof.com

LiveRoof

RoofEdge Standard 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

RoofEdge Standard
LiveRoof Standard Module
Gravel Ballast
or Conventional Paver
Slip Sheet
Membrane
Roof Deck

4.257

3.250

0.085

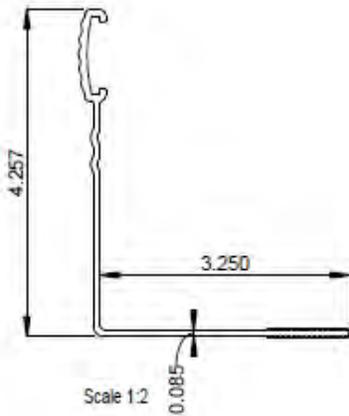Scale 1:2

Connector

96.000

EDGE-STANDARD

LiveRoof Global, LLC
P.O. Box 533
Spring Lake, MI 49456
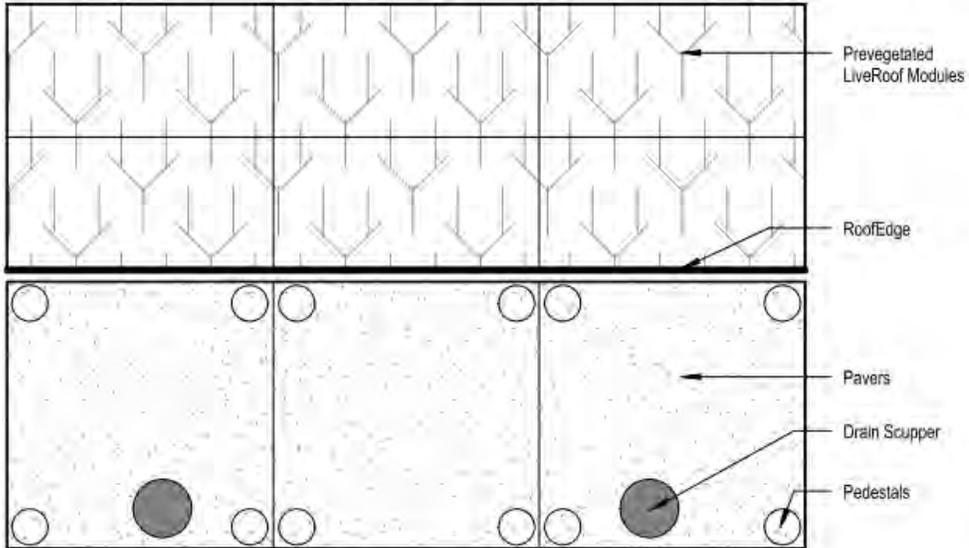
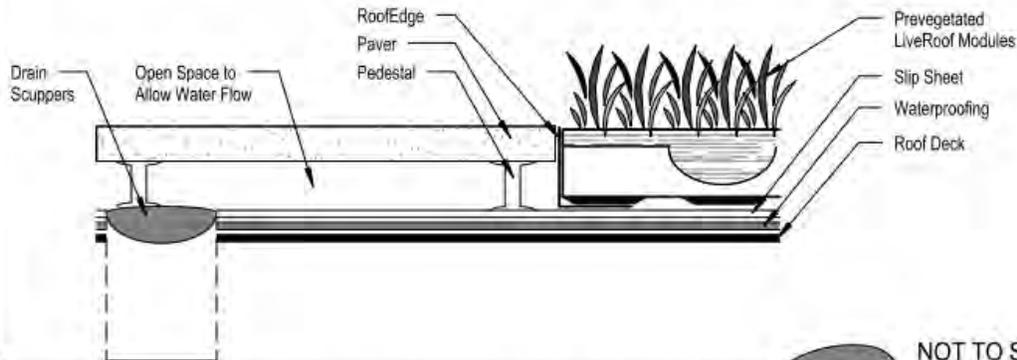(800) 875-1392
www.liveroof.com

LiveRoof

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

Prevegetated
LiveRoof Modules

RoofEdge

Pavers

Drain Scupper

Pedestals

SIDE VIEW

RoofEdge
Paver
Pedestal

Prevegetated
LiveRoof Modules

Slip Sheet

Waterproofing

Roof Deck

Drain
Scuppers

Open Space to
Allow Water Flow

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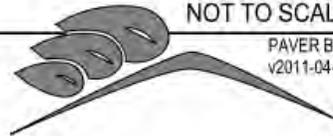
LiveRoof, LLC
P.O. Box 533
Spring Lake, MI 49456

(800) 875-1392
www.liveroof.com

LiveRoof

Drain Application
Using Roof Edge and Stone Ballast

TOP VIEW

Prevegetated
LiveRoof Modules

Drain Cover
Stone Ballast
RoofEdge™

SIDE VIEW

Drain Cover
Stone Ballast
RoofEdge™

Prevegetated
LiveRoof Modules

Slip Sheet
Waterproofing
Roof Deck
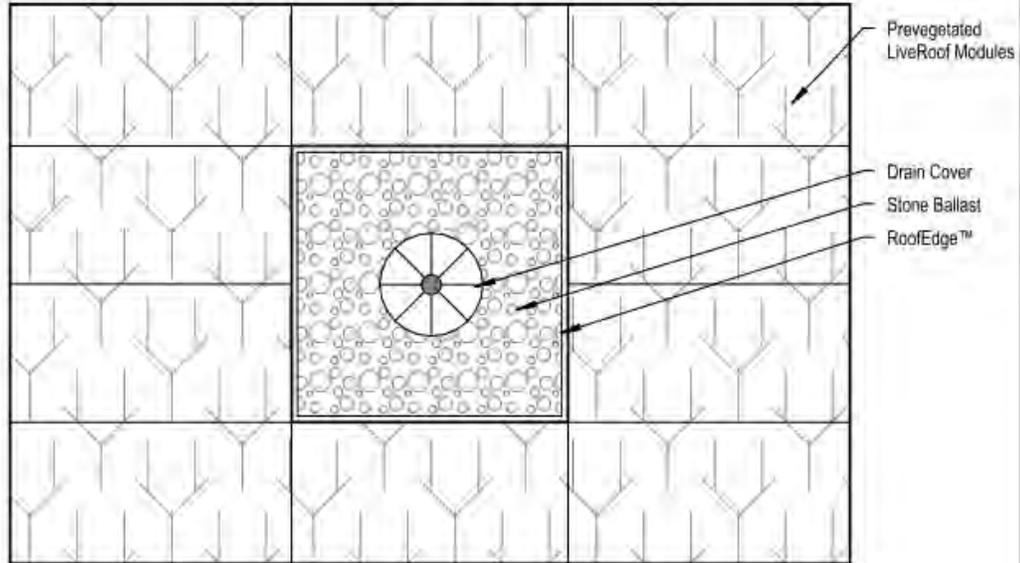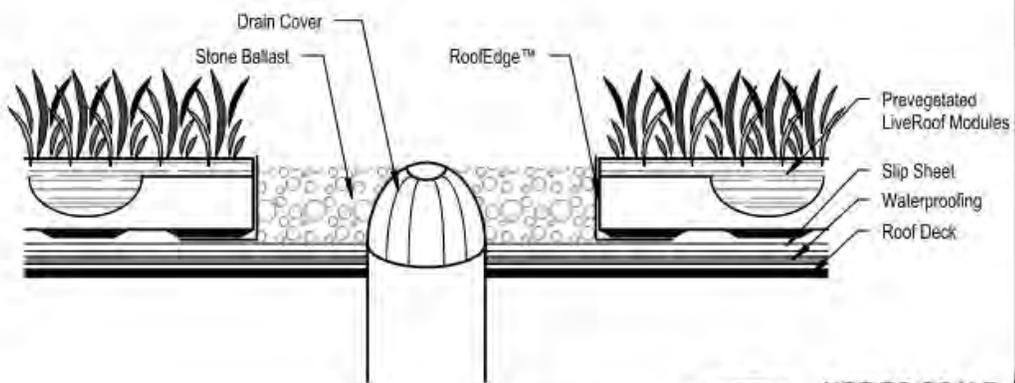
NOT TO SCALE

DRAIN A

DRAIN COMPONENTS AND FLASHING SHOULD BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION

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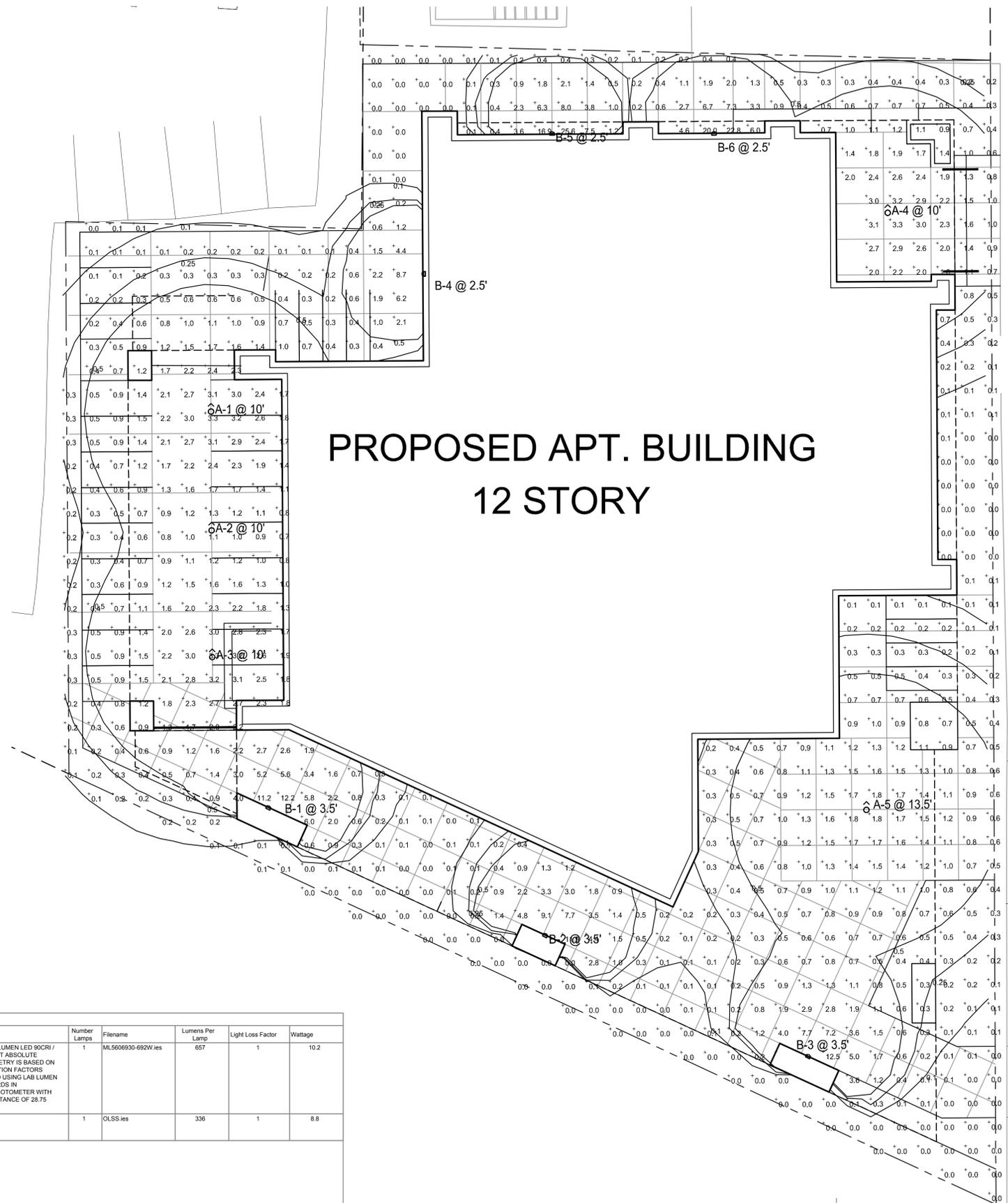Spring Lake, MI 49456

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LiveRoof

PROPOSED APT. BUILDING
12 STORY

B-5 @ 2.5'
B-6 @ 2.5'
A-4 @ 10'
B-4 @ 2.5'
A-1 @ 10'
A-2 @ 10'
A-3 @ 10'
A-5 @ 13.5'
B-1 @ 3.5'
B-2 @ 3.5'
B-3 @ 3.5'

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 GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	1	ML5606930-692W.ies	657	1	10.2
	B	6	Lithonia Lighting	OLSS	OUTDOOR LED SQUARE STEP LIGHT WITH 4000K LEDS AND POLYCARBONATE LENS	LED	1	OLSS.ies	336	1	8.8

EXAMPLE LIGHT FIXTURE DISTRIBUTION

ISOLUX CONTOUR = 0.25 FC
ISOLUX CONTOUR = 0.5 FC
ISOLUX CONTOUR = 1.0 FC
LIGHT FIXTURE

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

TYPICAL MATERIALS

COMPOSITE METAL PANEL B

COMPOSITE METAL PANEL A

5' TALL GLASS RAILING

SOLDIER COURSE

COMPOSITE METAL PANEL B

BRICK VENEER

ALUMINUM RAILINGS

CAST STONE SILLS

COMPOSITE METAL PANEL B

COMPOSITE METAL PANEL B

CAST STONE

TYPICAL MATERIALS

COMPOSITE METAL PANEL B

COMPOSITE METAL PANEL A

5' TALL GLASS RAILING

SOLDIER COURSE

COMPOSITE METAL PANEL B

BRICK VENEER

ALUMINUM RAILINGS

COMPOSITE METAL PANEL B

CAST STONE SILLS

COMPOSITE METAL PANEL B

CAST STONE

TOP OF PENTHOUSE
228'-10"

19'-6"

TWELFTH FLOOR
209'-4"

10'-8"

ELEVENTH FLOOR
198'-8"

9'-8"

TENTH FLOOR
189'-0"

9'-8"

NINTH FLOOR
179'-4"

9'-8"

EIGHTH FLOOR
169'-8"

9'-8"

SEVENTH FLOOR
160'-0"

9'-8"

SIXTH FLOOR
150'-4"

9'-8"

FIFTH FLOOR
140'-8"

9'-8"

FOURTH FLOOR

9'-8"

THIRD FLOOR

9'-8"

SECOND FLOOR

11'-8"

FIRST FLOOR=877.25'

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

kba
knothe • bruce
ARCHITECTS

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	ACME - CONFEDERATE BLEND
CAST STONE SILLS & HEADS & BANDS	CAST STONE	BUFF
BALCONY DECKS	STEEL	DARK BRONZE
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Elevations
222 N. Charter Street
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