



Development Application
Town of Stowe Zoning Department
PO Box 730
Stowe VT 05672
Voice (802) 253-6141

Project #
 (To be assigned)

Date Received:

This form serves as an application for all requested zoning and subdivision reviews.

Owner Information

Property Owner	THE ORI BEN-AKIVA 2014 TRUST
Mailing Street Address City, State and Zip	395 THOMAS PASTURE LANE, STOWE, VT 05672 ORI BEN-AKIVA: 617-872-8110
Phone Number	Day: _____ Other phone or email: JESSICA DICKINSON: 617-283-3231

Applicant/Contact Information (Relationship to Owner)

- Owner (If so, skip to site information)
 Lessee
 Contractor
 Architect/Designer
 Agent for Owner
 Under purchase contract

All information and correspondence is sent to applicant/contact.

Contact Name	JEFF MCBRIDE
Company (if any)	BIRDSEYE
Mailing Street Address City, State and Zip	3104 HUNTINGTON, RD RICHMOND, VT 05477
Phone Number	802-434-2112 Other/Email: JMCBRIDE@BIRDSEYEV.T.COM

Site Information

Physical Address	395 THOMAS PASTURE LANE, STOWE, VT 05672	
Business (if any)		
Tax Map ID	30236-080	

Please briefly describe the project or request below:

New two story single family dwelling with four bedrooms, attached three car garage, attached screened porch, attached deck, lower terrace, hot tub, parking court, and landscaping.

For All Approvals:

The below signed hereby agrees that the proposed work shall be done in accordance with the application, plan, specifications, and other associated documentation and that the work shall conform to all applicable town ordinances and regulations. Signing as an "Agent for Owner" indicates that the person signing has the permission of the owner to act on the owner's behalf. Additional permits may be needed from the State of Vermont and/or the Town of Stowe for development.

Indicate if: <input checked="" type="checkbox"/> Property Owner OR <input type="checkbox"/> Agent for Owner	Signature: <hr/> Date:
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Additional application information is required on reverse side: ➔

Note: Local Zoning approval does not cover any required state approvals. Wastewater System and Potable Water Supply permits may be required for construction or modifications that change the wastewater flow. Other State permits may be required for certain uses. The applicant is advised to contact a DEC Permit Specialist to discuss the State permit requirements at 802-505-5367.

Construction Information

A site plan showing the proposed development is required if construction is involved. **The applicant is responsible for determining property lines and setbacks.**

Please answer the questions below for all construction projects:

Will there be a new curb cut (driveway opening)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will over ½ acre of land be graded or disturbed?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Will the development create an additional ½ acre of impervious surface?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will there be other changes resulting in increased sewer or water flows?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will there be a new connection to the Stowe sewage system?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will there be a new connection to the Stowe water system?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is any portion of the building rented out?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is an Act 250 permit or amendment required?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Maximum Bldg. Height: 22'-10 5/8" Building Height is defined as the vertical distance measured from the average elevation of the proposed finished grade at the front or rear of the building to the highest point of the roof for flat and mansard roofs, and to the average height between eaves and ridge for other types of roofs. On sloping sites the height will be measured on the uphill side.

Please answer the questions below for all projects involving residential dwellings:

Existing Rooms:	# Bathrooms: 0	# Bedrooms: 0	# Kitchens: 0
New Rooms:	# Bathrooms: 6	# Bedrooms: 4	# Kitchens: 1

Please complete the fee calculation below for all construction projects:

Indicate new/additional gross floor area	Cost/Sq. Ft.	Fee Required
Heated Enclosed Space: <u>6,248</u> sq ft	\$.20/sq. ft.	\$ 1,250
Unheated Enclosed Space: <u>1,320</u> sq ft	\$.13/sq. ft.	\$ 172
Unheated Unenclosed Space: <u>4,216</u> sq ft (such as decks and open porches)	\$.07/sq. ft.	\$ 295
Structures other than buildings (such as ponds and tennis courts) (administrative approval)	\$50/structure	\$ 0
Structures other than buildings (such as ponds and tennis courts) (Conditional use approval required)	\$100/structure	\$ 0
Additional Recording Fee:	\$15 for permitted uses \$30 for conditional uses	\$ 15
	Total Fee**:	\$ 1,732

** Minimum application fee for all construction (includes recording fee):

Permitted Uses: \$60.00 Conditional Uses: \$250.00

Fee Schedule for Projects Not Involving Construction (all fees below include recording fee)

For permitted uses not involving construction: \$60
 For conditional uses not involving construction, appeals and variances: \$250
 Administrative amendment of conditional uses: \$70
 New signs: \$70
 Certificate of Occupancy: \$55 (additional inspections if need after first: \$40)
 Subdivisions:
 Preliminary Layout Application (Base Fee): \$250
 Preliminary Layout (Fee per lot if equal to and/or more than 5 lots): \$250/lot or unit
 Final Plat Application (Base Fee): \$250
 Final Plat Application (additional fee per lot if preliminary layout was not required): \$100/lot or unit
 Minor Subdivision - Lot Line Adjustment: \$105 (includes recording fee for one map page)
 Final Plat Recording Fee (per map page): \$25

Payments should be made to the Town of Stowe. Payment can be made by cash, check, or with a credit card (Mastercard, Visa or Discover) or online. Go to www.townofstowevt.org/townclerk/ and click the link for online payments. Please note there is a 3% convenience fee for credit card payments.

STOWE DEVELOPMENT REVIEW BOARD

395 THOMAS PASTURE LANE, STOWE, VT 05672

February 6th, 2020



BIRDSEYE

CONTENTS

3	Project Location & Description
4	Landscape & Lighting Plan
5	Architectural Plans
7	Architectural Elevations
9	Project Renderings
15	Project Materials
16	Window & Door Specifications
17	Site Photographs - Summer
18	Site Photographs - Winter
Appendix	Lighting Specifications

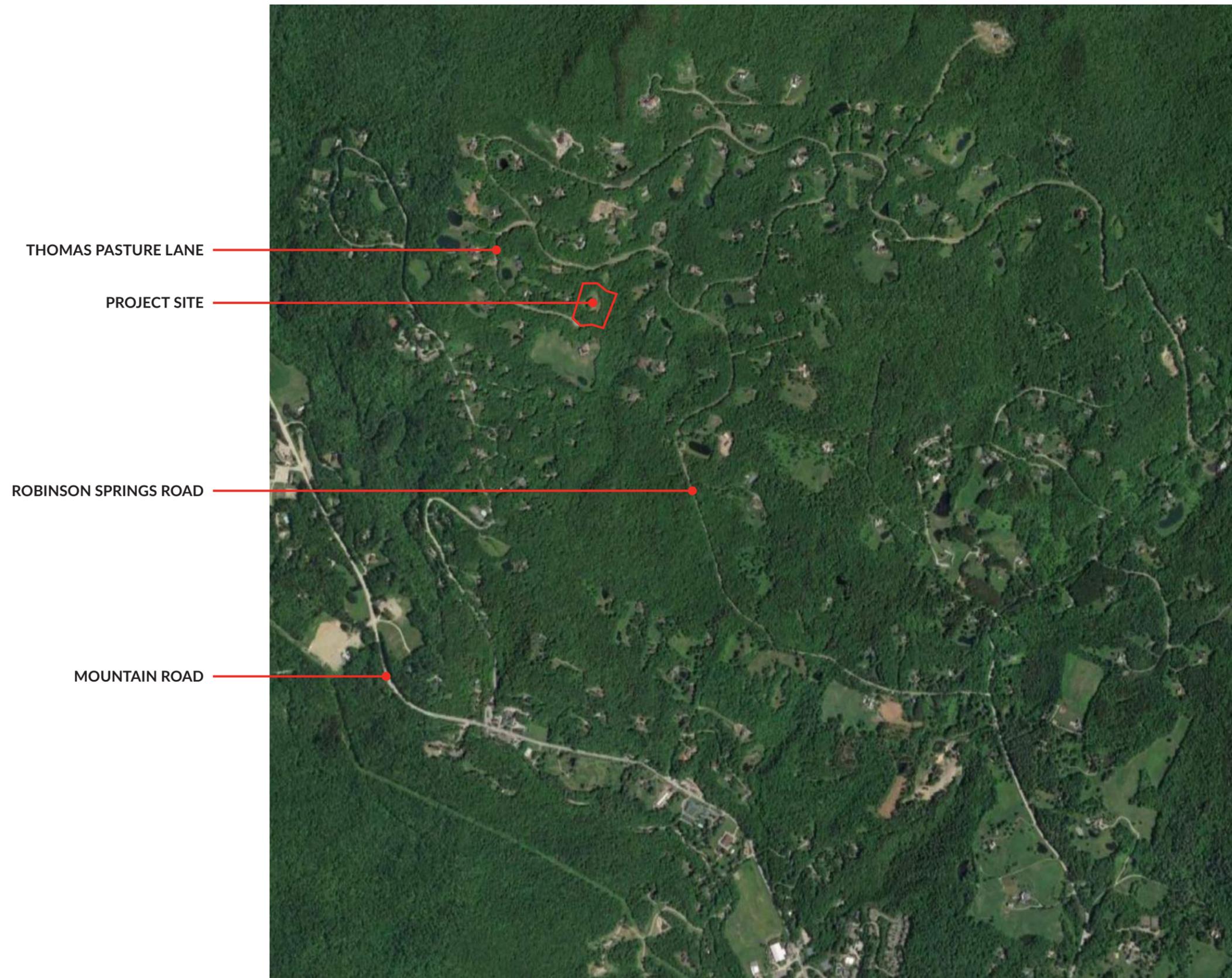


PROJECT DESCRIPTION

The Ori Ben-Akiva 2014 Trust is submitting this application to the Stowe Development Review Board for the development of 395 Thomas Pasture Lane. The project, detailed in this document, is a two-story single-family residence. The building is sited to the north-west of the property against the existing tree line and overlooking an existing clearing with views to the mountains beyond. Modification to the existing tree line will be minimal, preserving the natural beauty of the site.

The residence is built into the existing hillside, with a lower level walkout and an upper level slightly above existing grading. The steep grade of the site has influenced the design of the house, locating the garage and parking court at the low end of the slope minimizing the need to cut and fill. The first-floor steps up three feet meeting the clearing with a front terrace extending the length of the house. The house meets the top of the slope at its north edge where a small upper terrace overlooks the site.

The building facades are a combination of glazing and cedar board cladding with a semi-sold black stain finish. The roof is standing seam metal over the entire residence, with a low slope at the garage and a series of angled roof forms at the upper level. The site walls are cast-in-place concrete with stone paving. For a more detailed overview of materials refer to page 15 of this document.



PROJECT LOCATION
NOT-TO-SCALE





LEGEND:

LOCATION	DESCRIPTION
A - PARKING COURT	GRAVEL - CRUSHED STONE
B - WALKWAY	STONE TYPE 01
C - ENTRY COURT	STONE TYPE 01
D - MAIN WALKWAY	STONE TYPE 01
E - MAIN TERRACE	STONE TYPE 01
F - BLEACHERS	CONCRETE TYPE 01
G - UPPER TERRACE	STONE TYPE 01
H - MASTER GARDEN	STONE TYPE 01
I - NORTH SIDE	PLANTING
J - MAIN SLOPE	SEE PLANT LIST
K - PLAY LAWN	SEE PLANT LIST
L - EAST EDGE OF ENTRY DRIVE	SEE PLANT LIST
M - ENTRY DRIVE	GRAVEL - CRUSHED STONE
N - WEST EDGE OF ENTRY DRIVE	SEE PLANT LIST
P - FIRE PIT	CONCRETE TYPE 01
Q - SPA	STONE TYPE 01

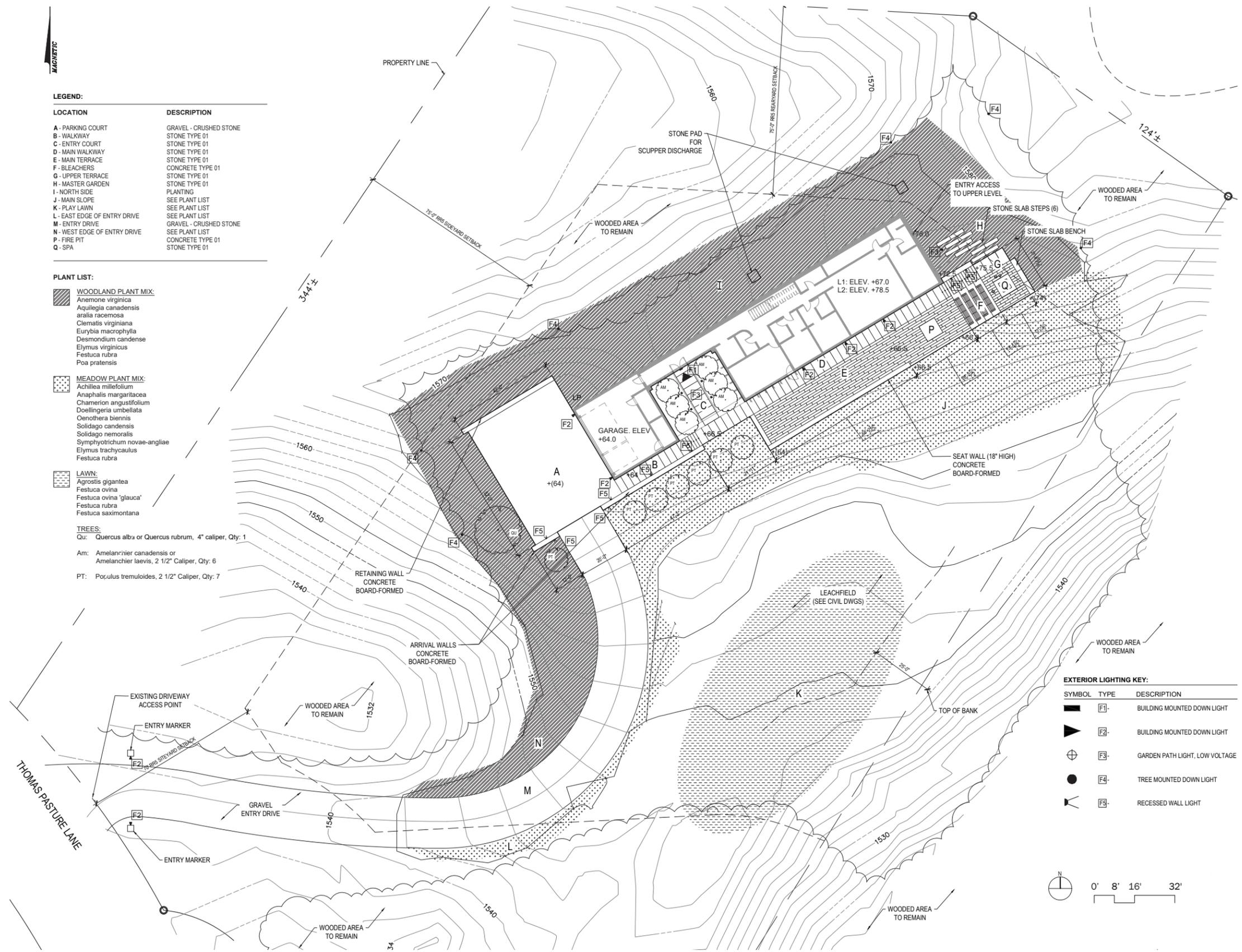
PLANT LIST:

- WOODLAND PLANT MIX:**
- Anemone virginica
 - Aquilegia canadensis
 - aralia racemosa
 - Clematis virginiana
 - Eurybia macrophylla
 - Desmodium canadense
 - Elymus virginicus
 - Festuca rubra
 - Poa pratensis

- MEADOW PLANT MIX:**
- Achillea millefolium
 - Anaphalis margaritacea
 - Chamerion angustifolium
 - Doellingeria umbellata
 - Oenothera biennis
 - Solidago canadensis
 - Solidago nemoralis
 - Symphytichium novae-angliae
 - Elymus trachycalyx
 - Festuca rubra

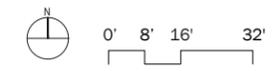
- LAWN:**
- Agrostis gigantea
 - Festuca ovina
 - Festuca ovina 'glauca'
 - Festuca rubra
 - Festuca saximontana

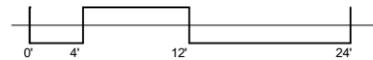
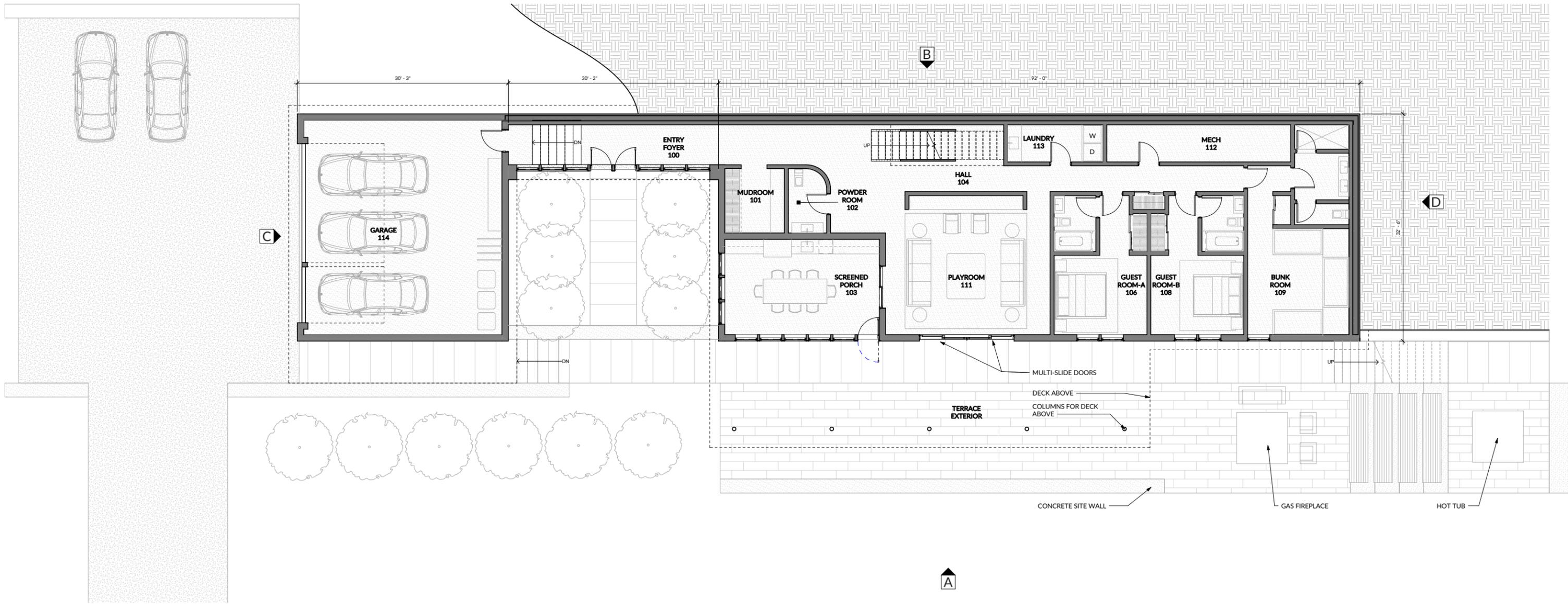
- TREES:**
- Qu: Quercus alba or Quercus rubrum, 4" caliper, Qty: 1
 - Am: Amelanchier canadensis or Amelanchier laevis, 2 1/2" Caliper, Qty: 6
 - PT: Populus tremuloides, 2 1/2" Caliper, Qty: 7

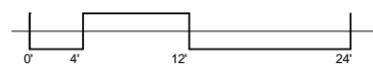
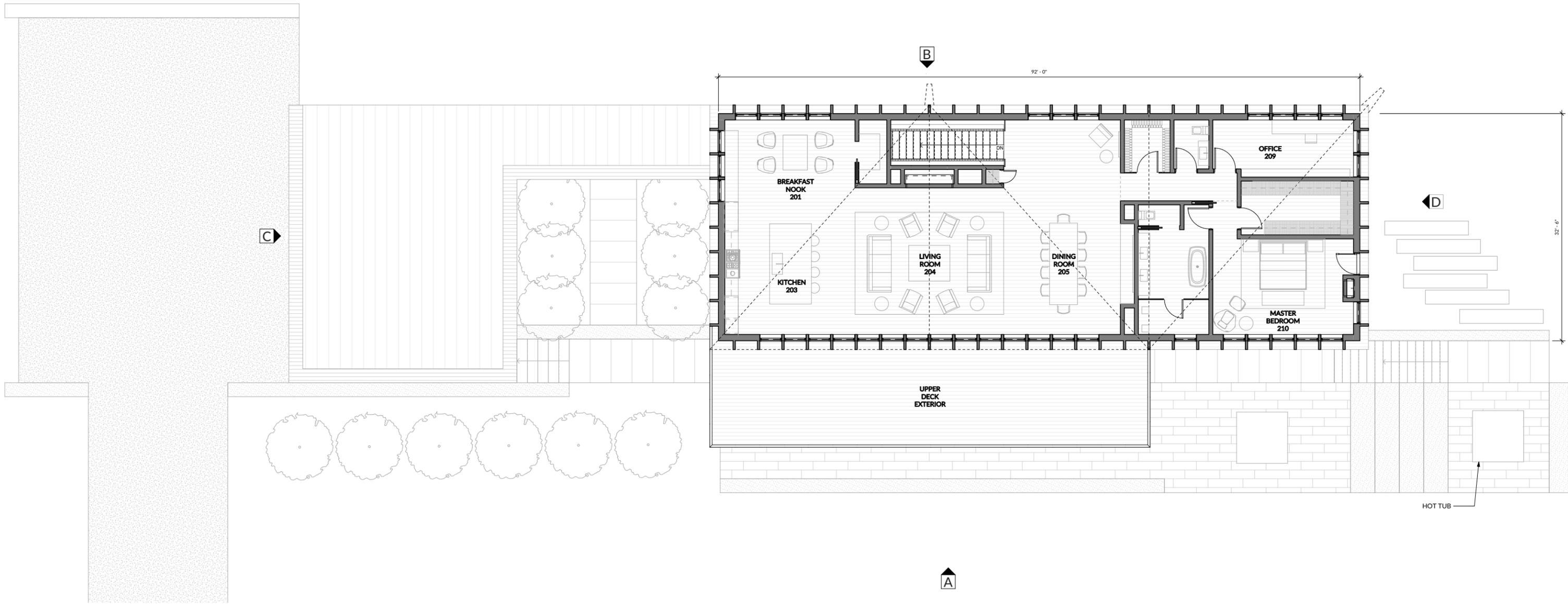


EXTERIOR LIGHTING KEY:

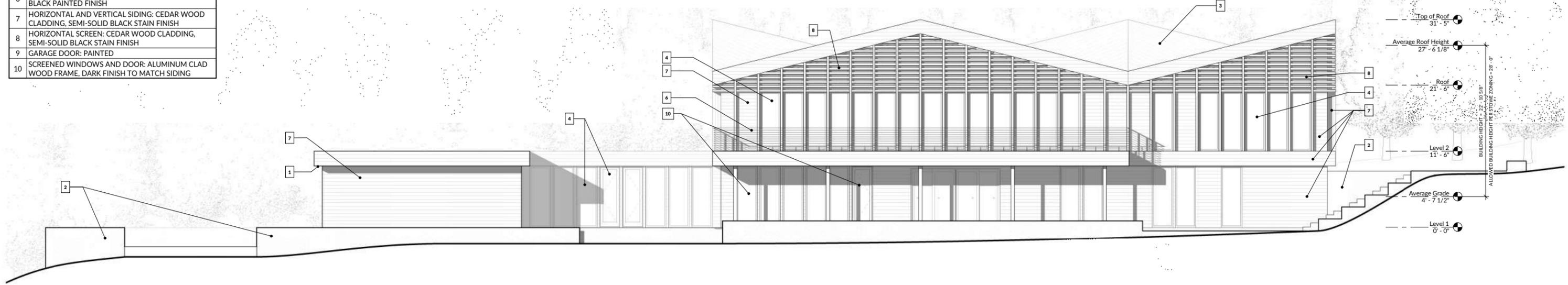
SYMBOL	TYPE	DESCRIPTION
■	F1-	BUILDING MOUNTED DOWN LIGHT
▲	F2-	BUILDING MOUNTED DOWN LIGHT
⊕	F3-	GARDEN PATH LIGHT, LOW VOLTAGE
●	F4-	TREE MOUNTED DOWN LIGHT
⌞	F5-	RECESSED WALL LIGHT



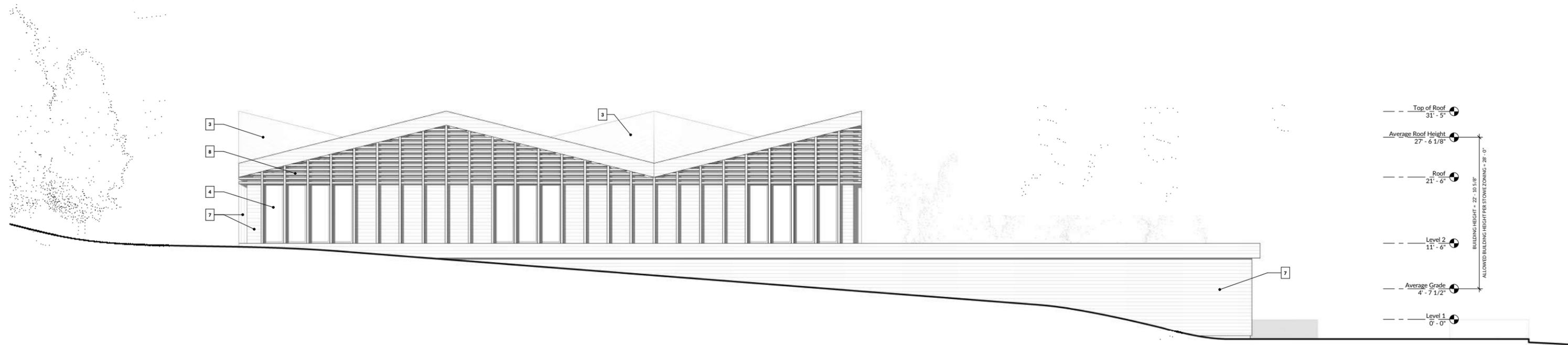




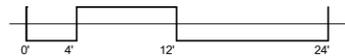
EXTERIOR MATERIALS	
KEY	DESCRIPTION
1	SOFFITS & TRIM: CEDAR WOOD CLADDING, SEMI-SOLID BLACK STAIN FINISH
2	CONCRETE: EXPOSED FORMWORK FINISH
3	METAL ROOFING, FLASHINGS, FLUES & PENETRATIONS: METAL, MATTE BLACK FINISH
4	WINDOWS & DOORS: ALUMINUM CLAD WOOD WINDOWS & DOORS, DARK FINISH TO MATCH SIDING
6	RAILINGS: FLAT BAR METAL RAILING AND BALUSTERS, BLACK PAINTED FINISH
7	HORIZONTAL AND VERTICAL SIDING: CEDAR WOOD CLADDING, SEMI-SOLID BLACK STAIN FINISH
8	HORIZONTAL SCREEN: CEDAR WOOD CLADDING, SEMI-SOLID BLACK STAIN FINISH
9	GARAGE DOOR: PAINTED
10	SCREENED WINDOWS AND DOOR: ALUMINUM CLAD WOOD FRAME, DARK FINISH TO MATCH SIDING



ARCHITECTURAL ELEVATION A - SOUTH/EAST



ARCHITECTURAL ELEVATION B - NORTH/WEST

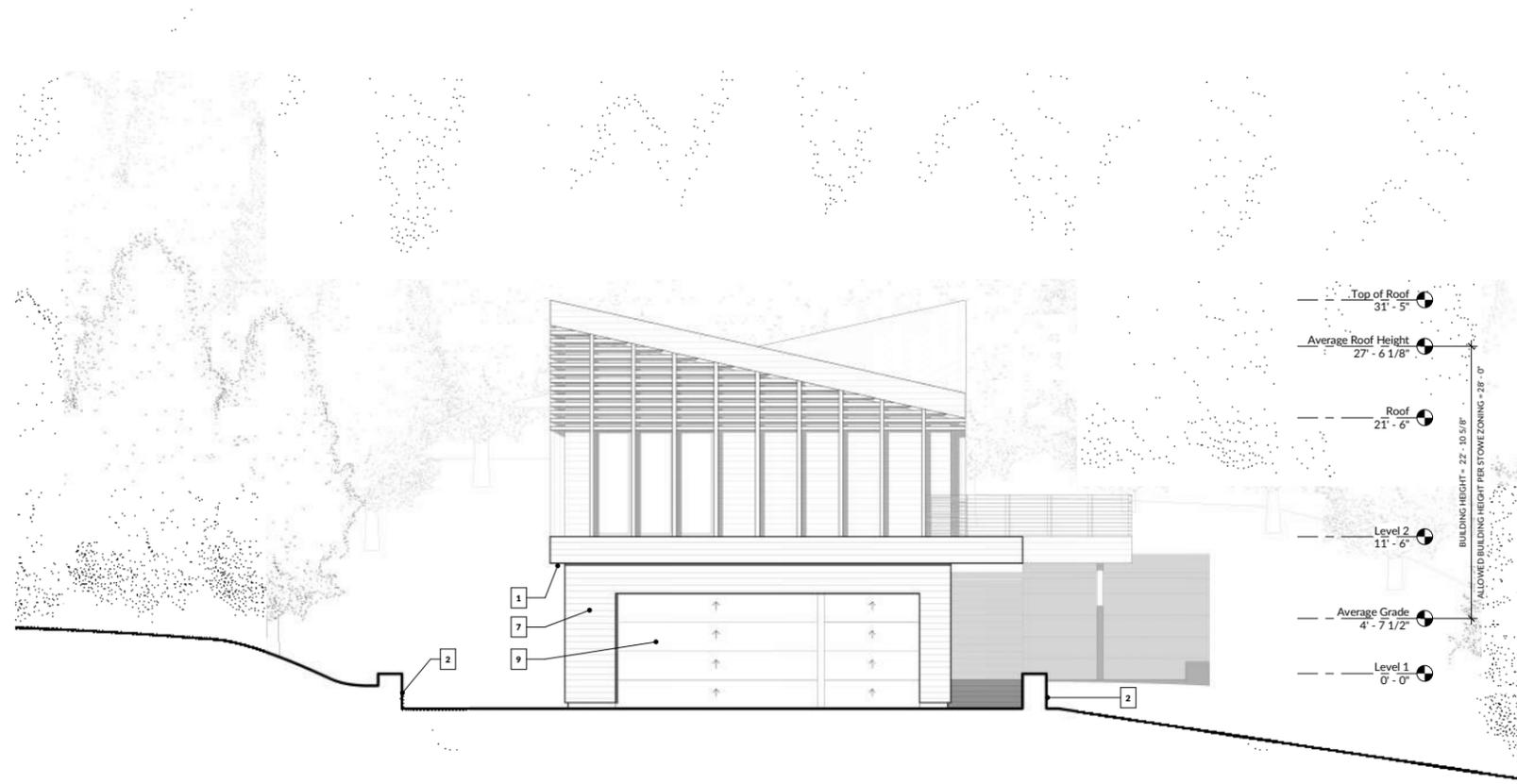


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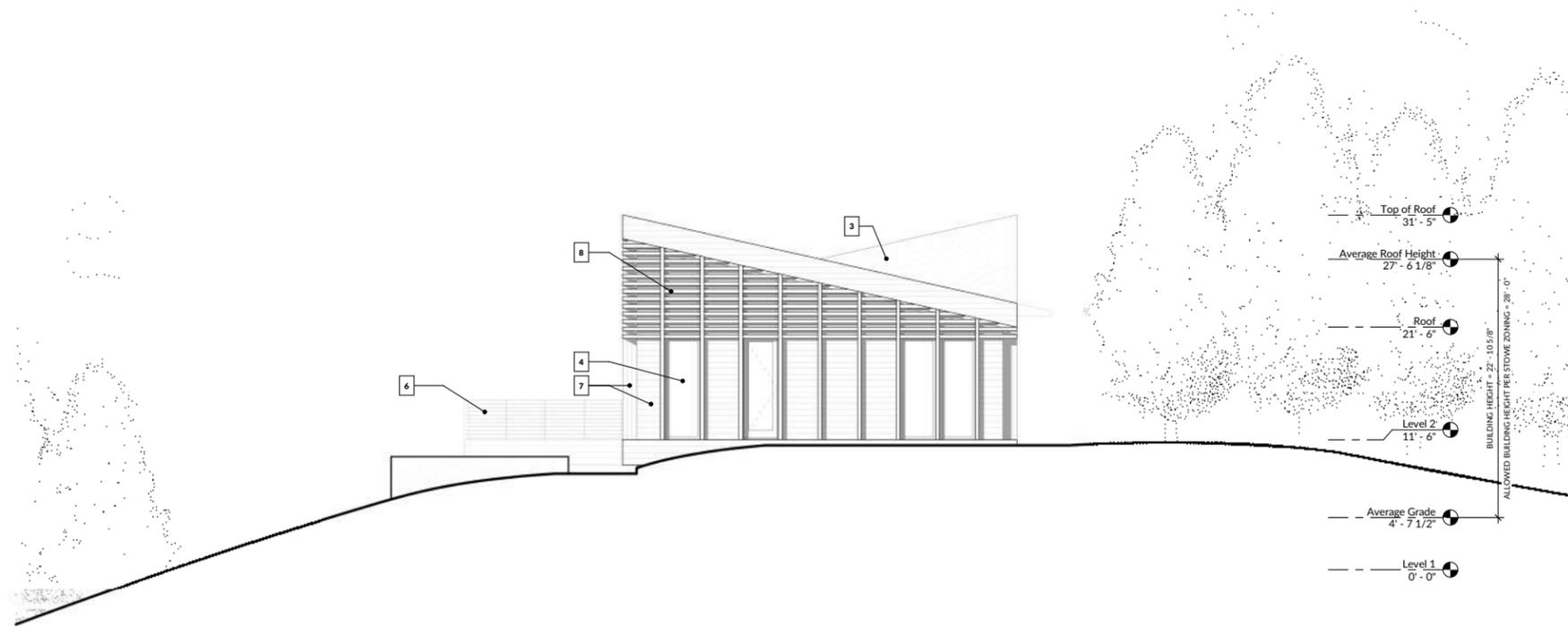


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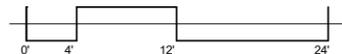
EXTERIOR MATERIALS	
KEY	DESCRIPTION
1	SOFFITS & TRIM: CEDAR WOOD CLADDING, SEMI-SOLID BLACK STAIN FINISH
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ARCHITECTURAL ELEVATION C - NORTH/WEST



ARCHITECTURAL ELEVATION D - SOUTH/EAST





PROJECT RENDERING A - ELEVATION FROM LOWER MEADOW

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PROJECT RENDERING B - AERIAL FROM SOUTH/WEST

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PROJECT RENDERING C - AERIAL FROM SOUTH/EAST

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PROJECT RENDERING D - VIEW FROM DRIVEWAY

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PROJECT RENDERING E - VIEW OF ENTRY COURTYARD

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PROJECT RENDERING F - VIEW FROM HOT TUB

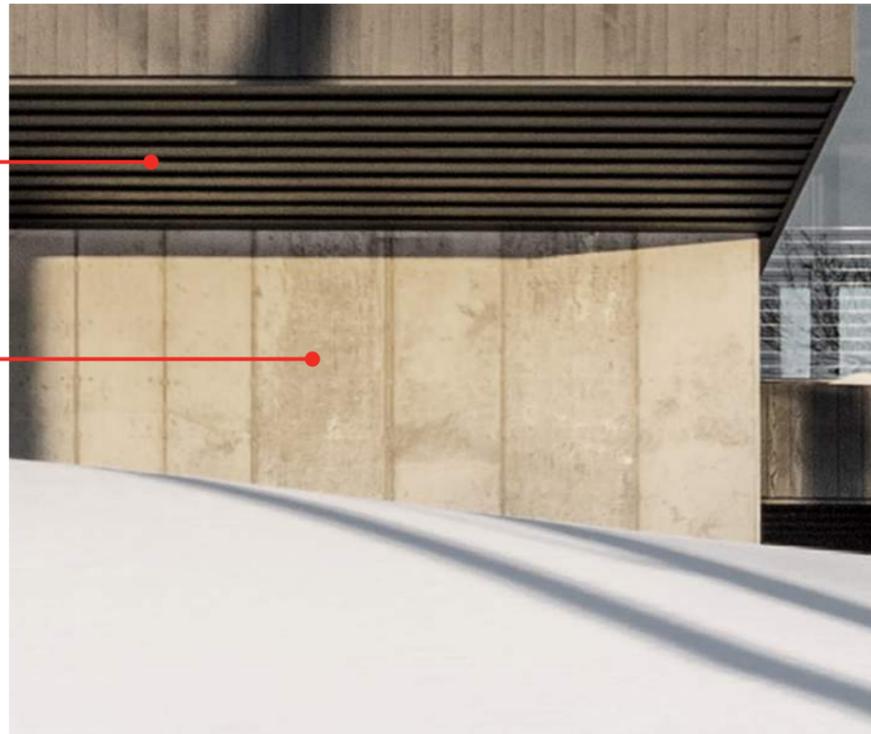
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1 SOFFITS & TRIM
CEDAR WOOD CLADDING,
SEMI-SOLID BLACK STAIN FINISH

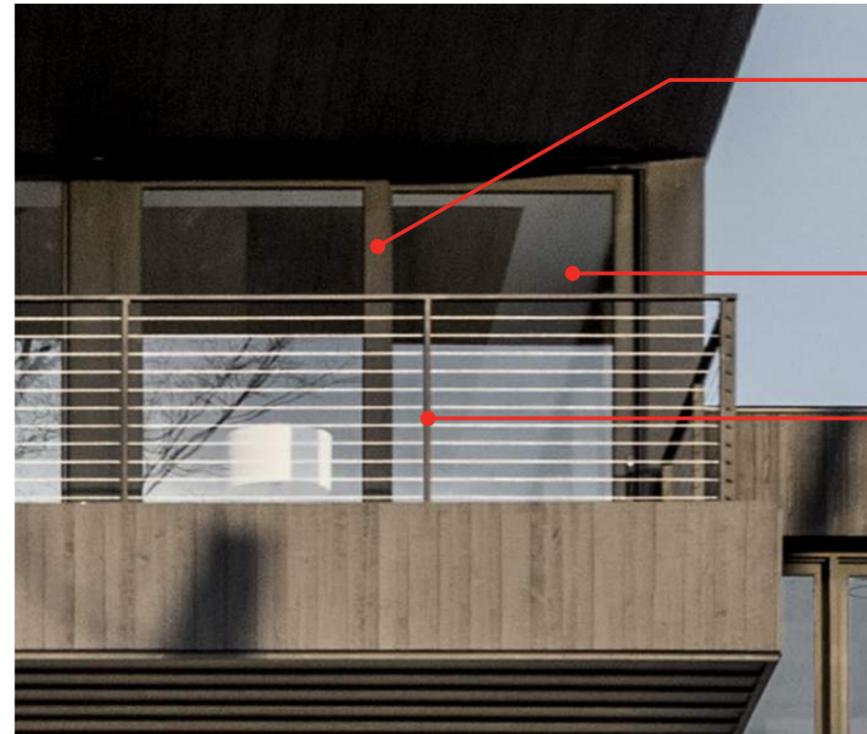
2 CONCRETE
EXPOSED FORMWORK FINISH



4 WINDOWS & DOORS
ALUMINUM CLAD WOOD
WINDOWS & DOORS, DARK
FINISH TO MATCH SIDING

5 GLASS
INSULATED TRIPLE PANE WITH
LOW-E COATINGS

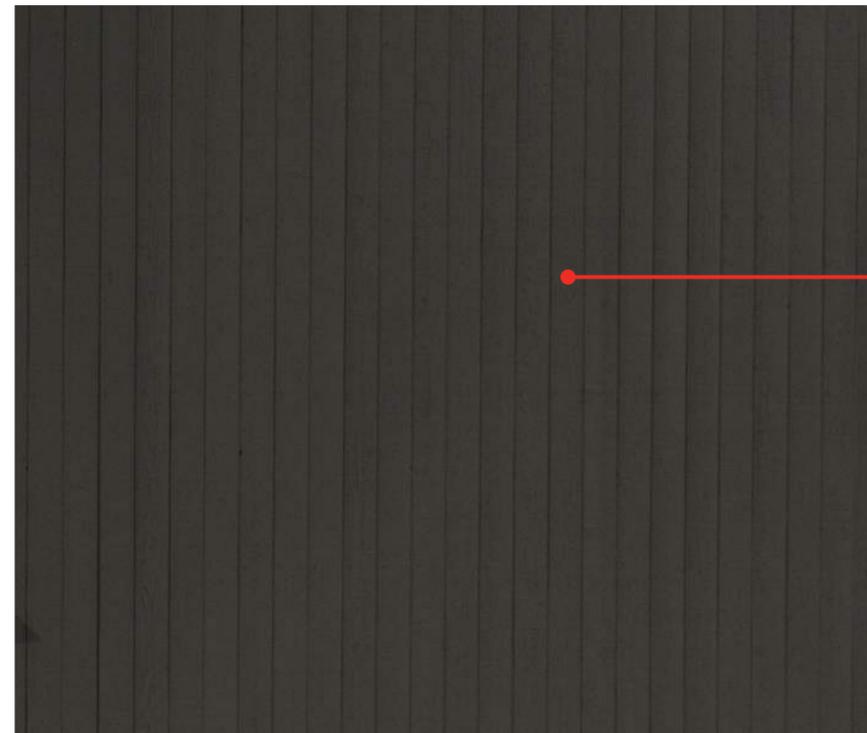
6 RAILINGS
FLAT BAR METAL RAILING AND
BALUSTERS, BLACK PAINTED FINISH



**3 METAL ROOFING, FLASHINGS,
FLUES & PENETRATIONS**
METAL, MATTE BLACK FINISH



7 HORIZONTAL & VERTICAL SIDING
CEDAR WOOD CLADDING,
SEMI-SOLID BLACK STAIN FINISH





PROPOSED TYPICAL UNIT WITH GLAZING SPECIFICATIONS

MARVIN ULTIMATE SERIES

ALUMINUM WOOD CLAD EXTERIOR, EBONY FINISH

THERMALLY GLAZED
1/4" TRIPLE PANE LOW E2/E1 WITH ARGON

PERFORMANCE INFORMATION:

U-FACTOR: 0.16

SOLAR HEAT GAIN COEFFICIENT: 0.3

VISIBLE LIGHT TRANSMITTANCE: 0.52 (NO TINTED GLASS)

CONDENSATION RESISTANCE: 71

CPD NUMBER: MAR-N-419-08253-00001

ENERGY STAR: N, NC



Glass Coatings

Low E coatings are microscopically thin, essentially invisible coatings on the glass surface that help manage the amount of light and heat conducted through a window pane or reflected away from it, reducing a home's dependence on heat and air conditioning. The national ENERGY STAR® program recognizes products that meet strict energy-efficiency guidelines to suit climates in different areas of the country, and Marvin offers products to meet climate and code requirements in every region.

Low E1

Low E1 coating is a good choice when you want maximum solar heat gain (or maximum heat transferring into your house from the sun) and radiant heating properties (keeping heat on the side of the glass where it originated). This type of coating is generally used in Northern climates where heating is prioritized over cooling. You'll reap maximum benefits when windows with this type of coating are positioned to receive direct sun exposure.

Low E2

The most common Low E coating since it works well across most geographic regions and climates. Low E2 with two metallic coatings balances less solar heat gain and improved radiant heating properties.



Triple Pane

Triple pane glazing consists of three panes of glass with Low E coatings applied to the surface. Two glass spaces are insulated with argon gas between the panes.**

Glossary

Certified Product Directory (CPD) Number - a unique number used by the NFRC to organize product listing of certified products.

Condensation Resistance (CR): Measures the ability of a product to resist the formation of condensation on the interior surface of that product. The higher the CR rating the better it resists forming condensation.

ENERGY STAR is a program of the U.S. Environmental Protection Agency designed to recognize products that meet strict energy efficiency guidelines. Learn more about ENERGY STAR.

Solar Heat Gain Coefficient (SHGC) measures how well a product blocks heat from the sun. In warm climates, the lower the number, the better. Here you want to keep heat out by choosing windows that reflect solar radiation. Less heat coming into the home means lower air-conditioning costs and a reduced carbon footprint. In cold regions, your windows can also help you take advantage of solar radiation, which is free heat that eases the workload of your furnace or other energy-powered heat source. A higher solar heat gain coefficient means a window will allow more heat to pass through.

U-Factor: (Btu/hr.-sq. ft. - *F.) A measurement of the amount of heat flow through a product. The lower the U-factor, the greater the resistance to heat flow and better its insulating value.

The National Fenestration Rating Council (NFRC) has developed and operates a uniform national rating system for the energy performance of fenestration products, including windows and doors. For additional information regarding this rating system, see www.nfrc.org.

NFRC energy ratings and values may vary depending on the exact configuration of glass thickness used on the unit. This data may change over time due to ongoing product changes or updated test results or requirements.





SUMMER - VIEW LOOKING EAST TOWARDS PROPOSED HOUSE FROM DRIVEWAY



SUMMER - VIEW LOOKING NORTH/EAST TOWARDS PROPOSED HOUSE FROM LOWER MEADOW



SUMMER - VIEW LOOKING SOUTH/WEST TOWARDS LOWER MEADOW AND WORCESTER MOUNTAINS



SUMMER - VIEW LOOKING WEST TOWARDS DRIVEWAY AND PROPOSED GARAGE

SITE PHOTOGRAPHS - SUMMER

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WINTER - VIEW LOOKING NORTH TOWARDS PROPOSED GARAGE FROM DRIVEWAY



WINTER - VIEW LOOKING EAST TOWARDS LOWER MEADOW FROM DRIVEWAY



WINTER - VIEW LOOKING SOUTH/WEST TOWARDS LOWER MEADOW AND WORCESTER MOUNTAINS



WINTER - VIEW LOOKING WEST TOWARDS DRIVEWAY AND PROPOSED GARAGE

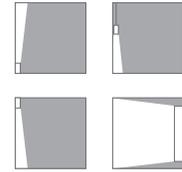
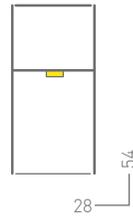
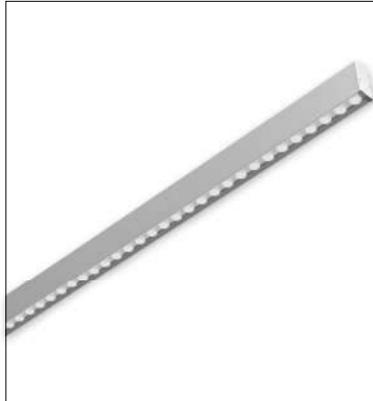
SITE PHOTOGRAPHS - WINTER

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DATASHEET



IP 55 IP versions available on request *

Weight/Pack size	1.2kg/m - 70 x 70 x (L + 200mm)
Finish	clear anodized · silver powder coat · white powder coat · custom color
Mounting	surface mount · suspended · bracket mount
Accessories	custom angled connectors · others available

* All IP rated luminaires tested to AS60529-2004 Degrees of protection provided by enclosures (IP Code)

KLIK LED⁺ LEDSTREAM



DIRECT

Color	3000K			4000K		
	LED Lumen/m ¹	3000	4500	5800	3000	4500
Standard CRI (Ra)	>80	>80	>80	>80	>80	>80
LED Watts/m	24	37	47	24	37	47
Control	Non Dim · DALI · 0-10 (USA only)					
Optics	Lensed · 20° · 40° · 20° x 40° spreader					
Luminaire Length	Custom lengths in 50mm (Nominal) increments with fully illuminated diffuser					
LEDS	Cree					

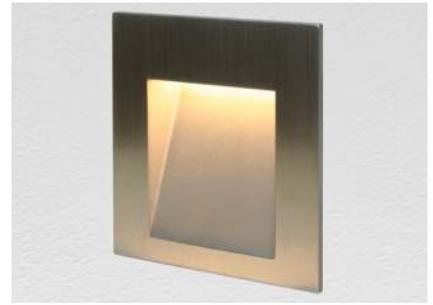
1. Other colors available on request

LED-FOCUS-20171108-01



IMPACT ISL1-LED

F2



RECESSED LED LUMINAIRE PATH & STEPLIGHT

In-wall 3.4-watt DC LED path or step light. Wide low-glare aperture projects light 4' at 4' width delivering minimum 1 fc up to 10 fc. Creates discreet path lighting for residential, commercial and hospitality applications. Durable precision milled 316 stainless steel or brass casting. 80+ CRI, delivering 43 lumens. Available in 2700K, 3000K, 3500K & 4000K color temperatures. Dry / Damp and Wet location.



Designates Quick Ship product. Add "-QS" at end of model number to have up to 100 units shipped within 10 business days. Non-Quick Ship offerings have 3-4 week lead time.

PERFORMANCE

LUMINAIRE PERFORMANCE			
LED Configuration	Delivered Lumens lm	Power Consumption W	Luminous Efficacy lm/W
80L-02B	43	3.4	12.6

ORDERING INFORMATION - FIXTURE

ISL1	-	2	-	BK	-	80L	02B	2700																				
↑ IMPACT STEPLIGHT		↑ RATING		↑ POWDER COAT FINISH		↑ CRI / LED	↑ SOURCE LUMENS	↑ CCT																				
		1 Dry / Damp (Non-Locking) 2 Wet (Locking)		<table border="0"> <tr> <td>WH White</td> <td>IG Industrial Gray</td> <td>CH Chrome</td> </tr> <tr> <td>BK Black</td> <td>SS Brushed Stainless Steel</td> <td>PB Polished Oil-Rubbed Bronze²</td> </tr> <tr> <td>AG Satin Silver</td> <td>BR Brushed Bronze</td> <td>MB Matte Oil-Rubbed Bronze²</td> </tr> <tr> <td>AB Architectural Bronze</td> <td>NB Natural Bronze</td> <td></td> </tr> <tr> <td>CF Custom Finish¹</td> <td></td> <td></td> </tr> </table>	WH White	IG Industrial Gray	CH Chrome	BK Black	SS Brushed Stainless Steel	PB Polished Oil-Rubbed Bronze ²	AG Satin Silver	BR Brushed Bronze	MB Matte Oil-Rubbed Bronze ²	AB Architectural Bronze	NB Natural Bronze		CF Custom Finish ¹				80L 80+ CRI	02B 200lm	<table border="0"> <tr> <td>1 2700K</td> </tr> <tr> <td>2 3000K</td> </tr> <tr> <td>3 3500K</td> </tr> <tr> <td>4 4000K</td> </tr> <tr> <td>C Custom Color (gel)³</td> </tr> </table>	1 2700K	2 3000K	3 3500K	4 4000K	C Custom Color (gel) ³
WH White	IG Industrial Gray	CH Chrome																										
BK Black	SS Brushed Stainless Steel	PB Polished Oil-Rubbed Bronze ²																										
AG Satin Silver	BR Brushed Bronze	MB Matte Oil-Rubbed Bronze ²																										
AB Architectural Bronze	NB Natural Bronze																											
CF Custom Finish ¹																												
1 2700K																												
2 3000K																												
3 3500K																												
4 4000K																												
C Custom Color (gel) ³																												
				¹ Powder coat only, no plated finishes; custom finishes assigned unique suffix upon receipt of order, consult factory for additional cost ² Dry / Damp location only				³ Custom gels assigned unique suffix upon receipt of order																				

MOUNTING OPTIONS FOR REMOTE POWER SUPPLY - SELECT ONLY ONE (SEE PAGE 3 FOR MOUNTING PROVISION DETAILS)

WET OR DRY / DAMP LOCATION

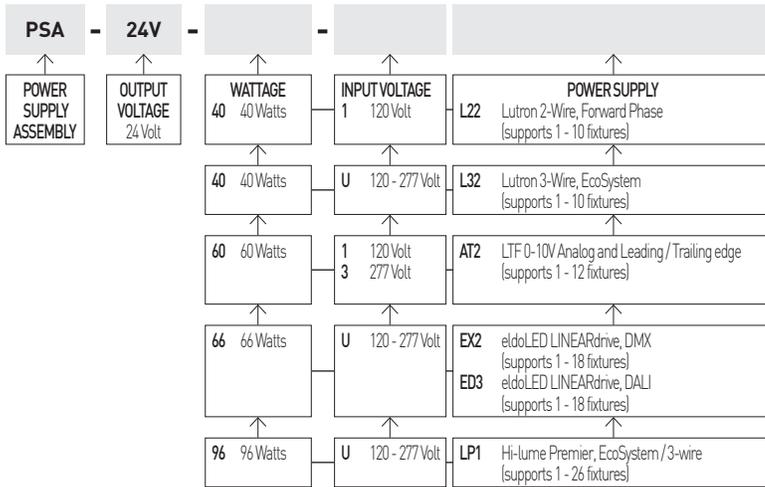
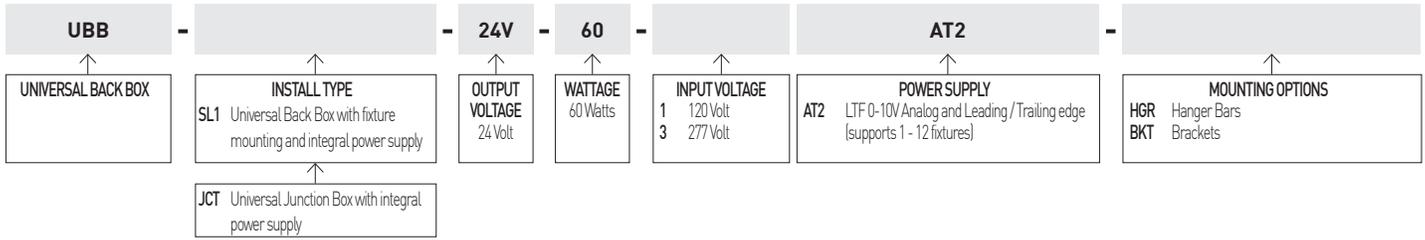
- SSL-UMP** ⚡
Universal Mounting Plate
- SSL-MP-(1.50 / 1.75 / 2.00 / 2.50 / 3.00)**
Mounting Plate; specify collar depth
- SSL-BB** ⚡
Back Box with SSL-UMP mounting plate
- SSL-BB-(1.50 / 1.75 / 2.00 / 2.50 / 3.00)**
Back Box with SSL-MP mounting plate; specify collar depth
- SSL-SMB-(finish)**
Surface Mount Box; specify finish, powder coat only

DRY / DAMP LOCATION ONLY

- SSL-RM**
Remodel-Mount collar (drywall / plasterboard)
- SSL-CC**
Cavity Collar
- SSL-SC3**
Stud-Mount collar (3")
- SSL-SC6**
Stud-Mount collar (6")

IMPACT ISL1

POWER SUPPLY OPTIONS



□ **PSA-24V-60-1EL2** Plug-in 120V Class 2 power supply (Supports 1-12 fixtures)

TECHNICAL

CONSTRUCTION

Stealth: Cast 316 stainless steel or brass, depending on finish.

Mounting Plates and Mounting Collars: Stainless Steel.

Single-gang Weatherproof Box: Aluminum.

Surface Mount Box: Aluminum.

Universal Back Box: Polycarbonate.

LED

Proprietary 2 step MacAdam ellipse LED module available with 80+ CRI in color temperatures of 2700K, 3000K, 3500K and 4000K. Average rated lamp life: 50,000 hours.

DIMMING PROTOCOL

LTF 0-10V analog and Leading / Trailing edge (AT2) dims to nominal 10%. Lutron 2-wire (L22) and Lutron 3-wire (L32) dims to 1%. eldoLED LINEARdrive (EX2 & ED3) dims to 0%. Lutron Premier (LP1) dims to 0.1% and features Soft-On, Fade-to-Black™.

RECOMMENDED SPACING

Optimum 18" (457mm) above walking surface; 36" (914mm) on-center spacing.

ELECTRICAL

Luminaire requires factory-supplied 24-Volt DC power supply. May be integral to back box or remote. Secondary run lengths vary depending on power supply specified, see installation guidelines for run lengths.

LISTING

cTUVus Listed; Dark-Sky approved; Patent No. US D610,734 S; Dry / Damp (IP54 rated) and Wet (IP65 rated) location.

WARRANTY

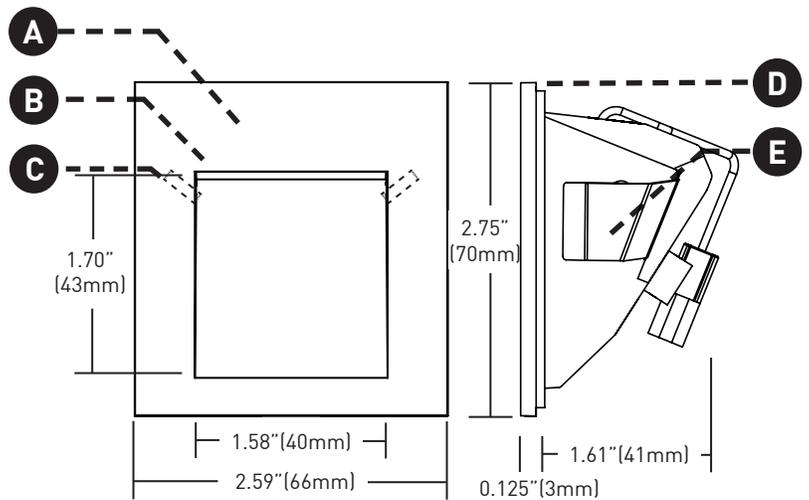
Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED and power supply to operate with 70% of the original flux and remain within a range of 3 duv. Warranty period begins from the date of shipment by Seller and conditional upon the use of manufacturer-supplied power supply. Consult website for full warranty terms and conditions.

IMPACT ISL1

FIXTURE

- A LED**
Regressed LED with wide low glare aperture, energy-efficient path and step lighting; suitable for dry / damp or wet applications. 3.4W DC LED (dimming by power supply).
- B EFFECTS DEVICES**
Provided with sealed polycarbonate linear diffusion lens; consult factory for availability of color gels, which may achieve custom color temperatures.
- C LOCKING**
Discreetly hidden tamper-resistant set screws. Included with IP65 Wet location luminaire.
- D GASKET**
Foam gasket provided. Required for IP65 wet location applications only.
- E RETENTION**
Torsion spring clips secure fixture into back box, mounting plate, or appropriately sized cut-out.

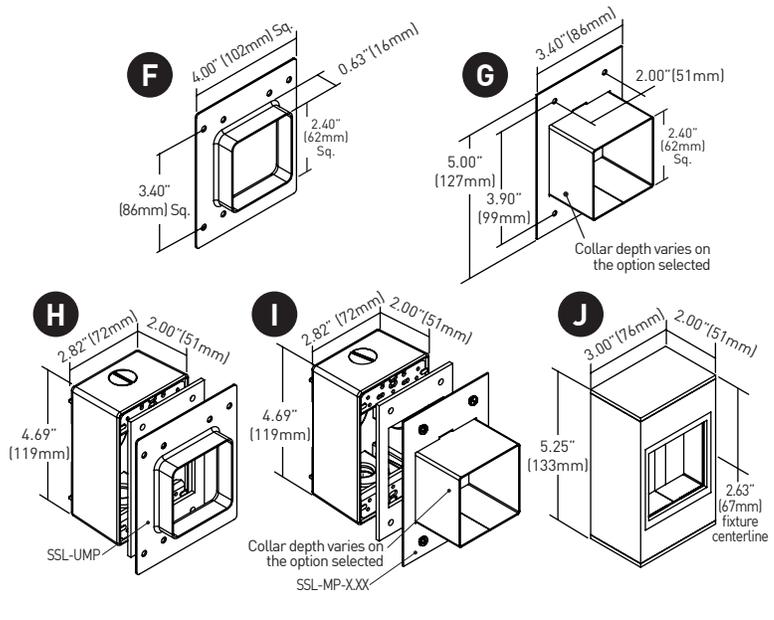
DIMENSIONS / DRAWINGS



MOUNTING REQUIRES REMOTE POWER SUPPLY

- F SSL-UMP**
Universal Mounting Plate typically used with two-gang switch box or 4-square junction box for dry /damp locations. May be used with customer-furnished single or two gang weatherproof box and factory supplied gasket for wet and concrete pour locations.
- G SSL-MP-(1.50 / 1.75 / 2.00 / 2.50 / 3.00)**
Mounting Plate includes gasket and features an extended collar for single-gang weatherproof box; specify preferred depth. Typically for wet and concrete pour locations.
- H SSL-BB**
Back Box equipped with SSL-UMP mounting plate and gasket. Typically used in wet and concrete pour applications. Features 1/2" knockouts.
- I SSL-BB-(1.50 / 1.75 / 2.00 / 2.50 / 3.00)**
Back Box equipped with SSL-MP-XXX mounting plate and gasket; specify preferred depth. Typically used in wet and concrete pour locations. Features 1/2" knockouts.
- J SSL-SMB-(finish)**
Surface Mounting Box for interior or exterior applications, providing flush mount of luminaire. Receives secondary wiring through back of box. Powder coat finishes only.

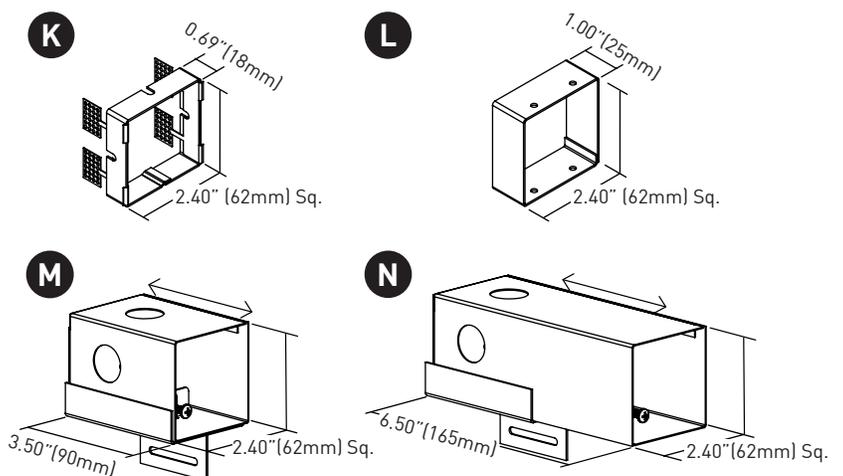
WET AND DRY / DAMP LOCATION



MOUNTING REQUIRES REMOTE POWER SUPPLY

- K SSL-RM**
Remodel Mount collar for installing fixture into drywall / plasterboard. Requires Class 2 power supply.
- L SSL-CC**
Cavity Collar for installing fixture into cavity or bore. Requires Class 2 power supply.
- M SSL-SC3**
Stud-mount Collar, adjusts with integral jackscrew from 1/2" to 3" for walls with varying substrate depths (rock, brick and stone). Features 1/2" knockouts for wiring.
- N SSL-SC6**
Stud-mount Collar, adjusts with integral jackscrew from 3" to 6" for walls with varying substrate depths (rock, brick and stone). Features 1/2" knockouts for wiring.

DRY / DAMP LOCATION ONLY

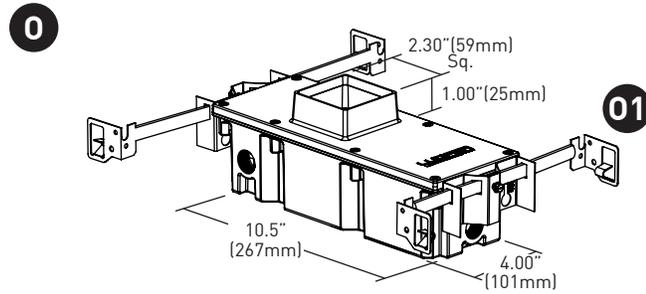


IMPACT ISL1

MOUNTING WITH INTEGRAL POWER SUPPLY

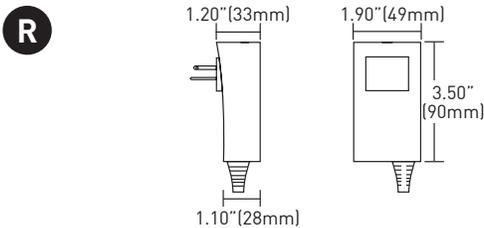
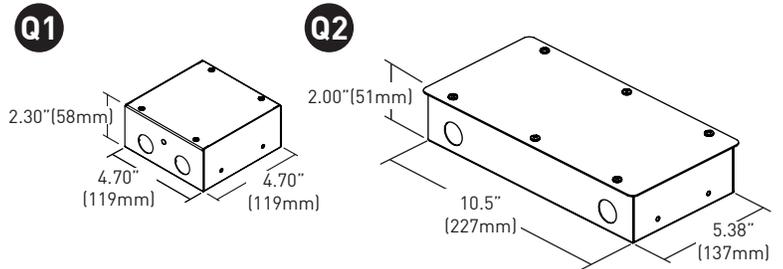
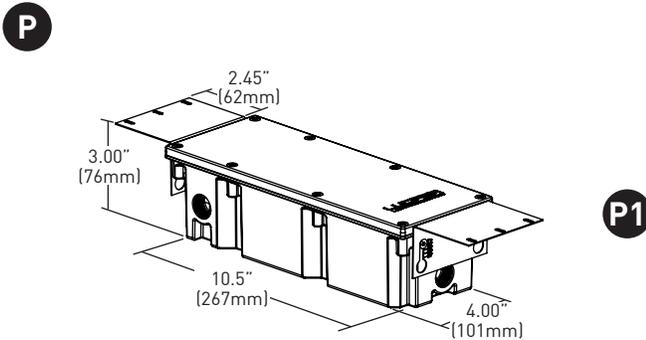
- O** **UBB-SL1-24V-60-XAT2-XXX**
Universal Back Box, wet location and concrete pour rated. Can be specified with integral or remote power supply and features secondary output capacity, simplifying wiring practices and reducing budgets. See Page 2 for power supply options. Supplied with mounting hardware, specify "-HGR" or "-BKT". Shown with hanger bars (-HGR).
- O1** Hanger bars, adjust from 14" to 24" for standard joist spacing.

DIMENSIONS / DRAWINGS



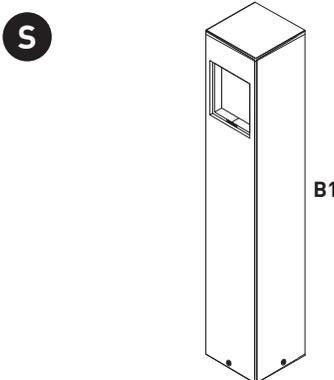
REMOTE POWER SUPPLIES

- P** **UBB-JCT-24V-60-XAT2-XXX**
Universal Junction Box, wet location and concrete pour rated. Can be specified with integral or remote power supply and features secondary output capacity, simplifying wiring practices and reducing budgets. See Page 2 for power supply options. Supplied with "-HGR" or "-BKT" mounting hardware, shown with Bracket (-BKT).
- P1** Brackets, universal stainless steel mounting flange.
- Q** **PSA-24V-XX-XXXX**
Hardwire Class 2 power supply, consists of a steel compartment and lid painted black with integral conventional electronic power supply. Wired in either a homerun or parallel method. See page 2 for power supply options.
- Q1** Used for 60W electronic transformer (AT2).
- Q2** Used for 40W, 66W and 96W electronic transformers (EX2, ED3, LP1, L22 & L32).
- R** **PSA-24V-60-1EL2**
Plug-in Class 2 power supply, wires may be spliced to accommodate multiple luminaires in a parallel or home run method.



BOLLARD

- S** **BOLLARD**
Free-standing mount. Available with integral or remote power supply. See BOLLARD spec sheet for complete details and ordering information.



LUTRON DIMMING COMPATIBILITY

Power supply L22 Product Family	Part No.	Drivers Per Control (120V only)	Power supply LP1 Product Family	120V Part No.	277V Part No.	Drivers per Control	
						120V	277V
Maestro WirelessR 600 W dimmer	MRF2-6ND-120-	1-8	NovaT®	NTF-10-	NTF-10-277-	1 - 16	1-19
Maestro WirelessR 1000 W dimmer	MRF2-10ND-120-	1-13		NTF-103P-	NTF-103P-277-	1-8	1-14
Caséta® Wireless Pro 1000 W dimmer	PD-10NXD-	1-13	Nova®	NF-10-	NF-10-277-	1-8	1-19
GRAFIK T™ CL® dimmer	GT-250M-, GTJ-250M-	1-10		NF-103P-	NF-103P-277-	1-8	1-14
HomeWorks® QS adaptive dimmer	HQRD-6NA-	1-8	Skylark®	SF-10P-	SF-12P-277-	1-8	1-14
HomeWorks® QS 600 W dimmer	HQRD-6ND-	1-8		SF-103P-	SF-12P-277-3	1-8	1-14
HomeWorks® QS 1000 W dimmer	HQRD-10ND-	1-13	Diva®	DVF-103P-	DVF-103P-277-	1-8	1-14
RadioRA® 2 adaptive dimmer	RRD-6NA-	1-8		DVSCF-103P-	DVSCF-103P-277-	1-8	1-14
RadioRA® 2 1000 W dimmer	RRD-10ND	1-13	Ariadni®	AYF-103P-	AYF-103P-277-	1-6	1-14
myRoom™ DIN power module	MQSE-4A1-D	1-6 (per output), 1A max driver input current		Maestro®	MAF-6AM-	MAF-6AM-277-	1-6
				MSCF-6AM-	MSCF-6AM-277-	1-6	1-14
HomeWorks® QS DIN power module	LQSE-4A1-D	1-6 (per output), 1A max driver input current	Maestro Wireless®	MRF2-F6AN-DV-		1-6	1-14
			RadioRA® 2	RRD-F6AN-DV-		1-6	1-14
HomeWorks® QS wallbox power module	HQRJ-WPM-6D-120	2-10 (per output), 26 total per module	HomeWorks® QS	HQRD-F6AN-DV		1-6	1-14
			Interfaces	PHPM-3F-120	-	1-16	-
PHPM-3F-DV		1-16		1-38			
BCI-0-10		1-16		1-38			
HomeWorks® wallbox power module	HWI-WPM-6D-120	2-10 (per output), 26 total per module	GP Dimming Panels	Various		1-16	1-38
GRAFIK Eye® QS control unit	QSGR-, QSGRJ-	2-10 (per output), 26 total per module	PowPak™ with EcoSystem	RMJ-ECO32-DV-B		32 per EcoSystem link	
				URMJ-ECO32-DVB		32 per EcoSystem link	
				FCJ-ECO		3 per EcoSystem link	
GRAFIK Eye® 3000 control unit	GRX-3100-, GRX-3500-	2-10 (per output), 26 total per module	Energi Savr Node™ with EcoSystem	QSN-1ECO-S, QSN-2ECO-S, QSN-2ECO-PS120, UQSN-1ECO-S, UQSN-2ECO-S		64 per EcoSystem link	
				GRAFIK Eye® QS with EcoSystem	QSGRJ-_E QSGR-_E	-	64 per EcoSystem link
RPM-4U module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4U-120, LP-RPM-4U-120	2-26 (per output), 26 total per module	HomeWorks® QS with EcoSystem	LQSE-2ECO-D, QSGRJ-_E, QSGR-_E		64 per EcoSystem link	
RPM-4A module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4A-120, LP-RPM-4A-120	1-13 (per output), 26 total per module	Quantum®	QP2-_P_C		64 per EcoSystem link	
GP dimming panels	Various	1-26					
Ariadni CL 250W dimmer	AYCL-253P-	1-8					
Diva CL 250W dimmer	DVCL-253P- DCSCCL-253P-	1-8					
Nova T CL 250W dimmer	NTCL-250-	1-10					

Power supply L32 Product Family	120V Part No.	277V Part No.	Drivers per Control	
			120V	277V
NovaT®	NTF-10-	NTF-10-277-	1-41	1-44
	NTF-103P-	NTF-103P-277-	1-20	1-33
Nova®	NF-10-	NF-10-277-	1-41	1-44
	NF-103P-	NF-103P-277-	1-20	1-33
Skylark®	SF-10P-	SF-12P-277-	1-20	1-33
	SF-103P-	SF-12P-277-3	1-20	1-33
Diva®	DVF-103P-	DVF-103P-277-	1-20	1-33
	DVSCF-103P-	DVSCF-103P-277-	1-20	1-33
Ariadni®	AYF-103P-	AYF-103P-277-	1-20	1-44
Maestro®	MAF-6AM-	MAF-6AM-277-	1-15	1-20
	MSCF-6AM-	MSCF-6AM-277-	1-15	1-20
Maestro Wireless®	MRF2-F6AN-DV-		1-15	1-33
RadioRA® 2	RRD-F6AN-DV-		1-15	1-33
HomeWorks® QS	HQRD-F6AN-DV		1-15	1-33
Interfaces	PHPM-3F-120	-	1-41	-
	PHPM-3F-DV		1-41	1-88
GP Dimming Panels	Various		1-41	1-88
PowPak™ with EcoSystem	RMJ-ECO32-DV-B		32 per EcoSystem link	
	FCJ-ECO		3 per EcoSystem link	
Energi Savr Node™ with EcoSystem	QSN-1ECO-S, QSN-2ECO-S		64 per EcoSystem link	
GRAFIK Eye® QS with EcoSystem	QSGRJ-_E QSGR-_E	-	64 per EcoSystem link	
Quantum®	QP2-_P_C		64 per EcoSystem link	



Belvedere Spot Single F3 - Specification Sheet
 by Antonio Citterio w Toan Nguyen, 2007

Mounting

Lamp (Bulb) Description	1W 350 mA Power LED
Environment	Outdoor
Finish	Brown

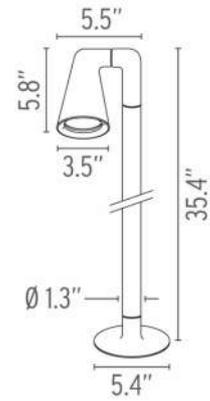
Physical

Construction Material	Aluminum
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● FU090326 Brown

Dimensional Image



Certifications





Catalog Number Provided: **1002-A**

LUMIERE

Project: BEN-AKIVA DICKINSON	Type: F4
Comments: TREE MOUNTED DOWN LIGHT	

Lanterra 1002 (2.5"), 1003 (3.5") and 1004 (4.5") is a small line voltage Accent Flood light with dimmable LED. It is available with adjustable rear center swivel with lock rotation providing 180 degree tilt and 340 degree rotation. The luminaire comes with various mounting, beam optics and premium color tuning option. It also comes with various lens, louvers and colors or dichroic filters can be combined up to two at once to create multiple lighting effects. The fixture may be used indoors or outdoors and carries IP66 rating.



Lumiere Lanterra

Output Options:

Include Spec Sheet



[Back to Build Product Page](#)

Catalog Number	Object Type	Quantity	Quote Price	Extended Price
1002-A1-RCS-RW-LED2790-F-BK-L1-UNV-TSR2-1	Fixture	1		
DIF-2	Lens*	1		
LVR-2	Louver*	1		

*Accessories price will appear as a separate line item in your Order Management System.

Configuration Detail:

Series	1002=LED 2.5" Line Voltage Accent Fixture
Application	A1=1 Head Accent Fixture
Knuckle Type	RCS=Rear Center Swivel with Lock Rotation
Hood	RW=Standard - Recessed Lens with weep holes - Outdoor
Color Temperature	LED2790=2700K, 90 CRI
Optic	F=Flood
Finish	BK=Black
Stem Length	No Stem Extension Required
Light Level	L1=Light Level 1
Voltage	UNV=Voltage 120-277V
Mounting	TSR2-1=Tree Strap Mount to attach to WRx housing series (1 fixture)
Sensor Control	None Selected

DESCRIPTION

Lanterra 1002-A1 (one head) and 1002-A2 (2 head) is a small 2.5" O.D., line voltage Accent Flood light with dimmable LED. It is available with adjustable rear center swivel with lock rotation providing 180 degree tilt and 340 degree rotation. The luminaire comes with various mounting, field replaceable optics. It also comes with various lens, louvers and colors or dichroic filters, which can combine up to two at once to create multiple lighting effects. The fixture may be used indoors or outdoors and carries IP66 rating.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Material

Housing, hood and mounting stem are precision-machined from corrosion resistant billet stock 6061-T6 aluminum, C360 brass, C932 bronze*, C110 copper or 303/304 stainless steel.

Finish

Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS* compliant chemical film undercoating and polyester powder coat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

Natural Metals

Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina naturally over time.

Hood

Hood is removable and accepts up to two internal accessories at once (lenses, louvers and filters) to achieve multiple lighting effects. Weep holes prevents water and mineral stains from collecting on the lens, even in the

straight up position. The flush lens design reduces fixture length, minimizes debris collection and prevents water and mineral stains from collecting on the lens.

Gasket

Housing and hood are sealed with high temperature silicone O-ring gasket to prevent water intrusion.

Lens

Tempered glass lens, factory sealed with high temperature silicone O-ring to prevent water intrusion and breakage due to thermal shock.

Hardware

Stainless steel hardware is standard to provide maximum corrosion resistance.

Electrical

Long life LED system coupled with electronic driver (120-277V/50-60Hz) is compatible with TRIAC (Leading Edge Dimming), ELV (Trailing Edge Dimming) and 0-10V dimming to deliver optical performance. Light can be dimmed from 100-1% while maintaining constant CCT. It will operate in -30°C to 50°C unless noted otherwise. The driver incorporates

surge protection. LED's are available in 2700K, 3000K, 3500K at 90CRI and 97CRI, 4000K at 80CRI and 97CRI, 5000K at 80CRI and are industry leading high output with 86% lumen maintenance at 60,000hrs.

Compliance

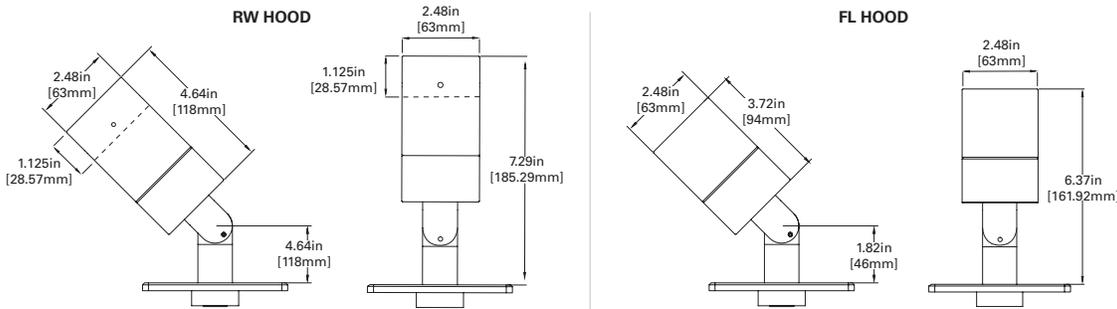
Components are UL recognized and luminaires are cULus listed for 50°C ambient environments unless noted otherwise, wet location listed, and ROHS* compliant. IP66 Rated. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

Warranty

Lumiere warrants the Lanterra series of fixtures against defects in material and workmanship for five (5) years. Auxiliary equipment such as LED drivers carries the original manufacturer's warranty.



DIMENSIONS



ORDERING INFORMATION

Lanterra 1002

LED
INTERIOR / EXTERIOR
ACCENT FLOOD LIGHT
CERTIFICATION DATA
cULus - 1598
Wet Location Listed - IP66
LM79/LM80 Compliant
ROHS* Compliant
10W LED, L70/90,000 @ 25° Celcius



SERIES	NUMBER OF HEADS	KNUCKLE STYLE	HOOD	LED CCT & CRI	FIELD REPLACEABLE OPTIC	FINISH	LIGHT LEVEL	VOLTAGE	MOUNTING	OPTIONS
1002	A1 1 Head A2 ⁴ 2 Head	RCS Rear Center Swivel with Lock Rotation	RW Standard-Recessed Lens with weep holes - Outdoor RI Recessed Lens with no weep holes - Indoor FL Flush lens hood	Standard CRI LED2790 - 2700K, 90 CRI LED 3090 - 3000K, 90 CRI LED 3590 - 3500K, 90 CRI LED 4080 - 4000K, 80 CRI LED 5080 - 5000K, 80 CRI Premium CRI LED 2797 - 2700K, 97 CRI LED 3097 - 3000K, 97 CRI LED 3597 - 3500K, 97 CRI LED 4097 - 4000K, 97 CRI	S Spot M Medium F Flood W Wide	Standard Paint Finish BK Black BZ Bronze CS City Silver WT White Premium Metal ¹ NBR Natural Brass NBZ Natural Bronze* NCP Natural Copper NSS Natural Stainless Steel	L1 Light Level 1 (10W)	UNV 120-277V	Surface Mount - Wall, Ceiling, Ground RSM Round Surface Mount- mounts directly to junction box. Recessed - Ground Mount MB Ground Mount Recessed Box - Rectangular Housing 10x6x6 (MB Box) Remote Driver Housing WRR ^{2,5} Remote Driver Housing - Round Wall Plate WRS ^{2,5} Remote Driver Housing - Square Wall Plate TSR2 ^{2,5} Tree Strap Mount to attach to (1-4) WRx housing series Integral Driver Mount WIS Wall Integral Driver Plate Thermal Limitations (unless otherwise noted 45C) 1002-A1-xxx-L1-xxx-WIS (50C)	SVPD2 ³ Standalone integral sensor

Notes: 1. Premium Metal not available for RSM Mount Option
 2. Only available for single head option (A1)
 3. Only available for single head option (A1) with RSM mounting only
 4. A2 doubles input wattage listed
 5. Remote Driver up to 60"
 * ROHS Compliant - For Natural materials consult factory

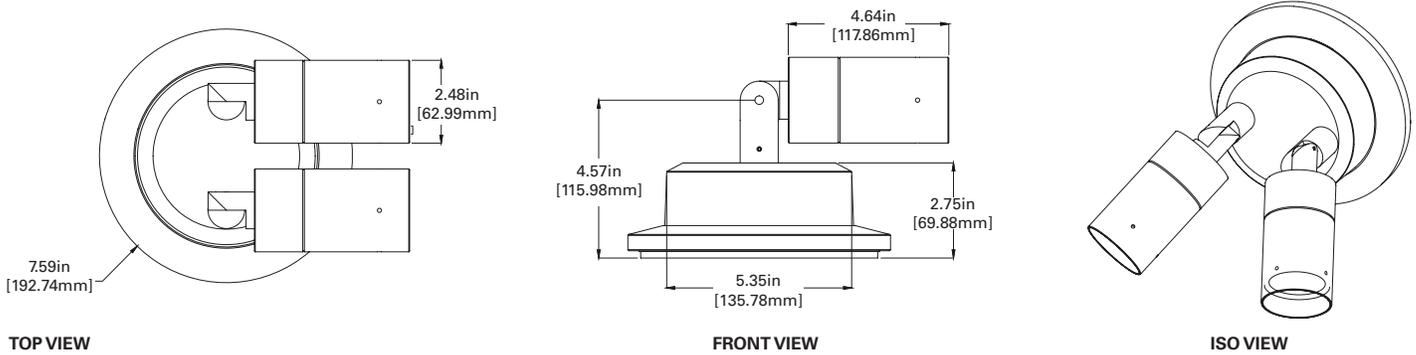
ACCESSORIES - ORDER SEPARATELY

		ACCESSORIES			OPTICS
ISHH01LUM	Programming Remote for sensor	Filters		Lens	
ISHH02LUM	Personal Control Remote for sensor	F71-2 Peach Dichroic		LSL-2 Linear Spread Lens	LLR-S-2 15° Spot
		F72-2 Amber Dichroic		DIF-2 Diffused Lens	LLR-M-2 25° Medium
		F73-2 Green Dichroic		OSL-2 Overall Spread Lens	LLR-F-2 40° Flood
		F74-2 Medium Blue			LLR-W-2 55° Wide Flood
		F75-2 Yellow Dichroic			LLR-K-2 Spot, Medium, Flood, Wide Flood kit
		F76-2 Red Dichroic			
		F77-2 Dark Blue Dichroic			
		F78-2 Light Blue Dichroic			
		F79-2 Neutral Density Dichroic			
		F80-2 Magenta Dichroic			
		F22-2 Red Color			
		F33-2 Blue Color			
		F44-2 Green Color			
		F55-2 Yellow Color			
		F66-2 Mercury Color			
				Louwer	
				LVR-2 45° Hex Cell Louwer	

MOUNTINGS

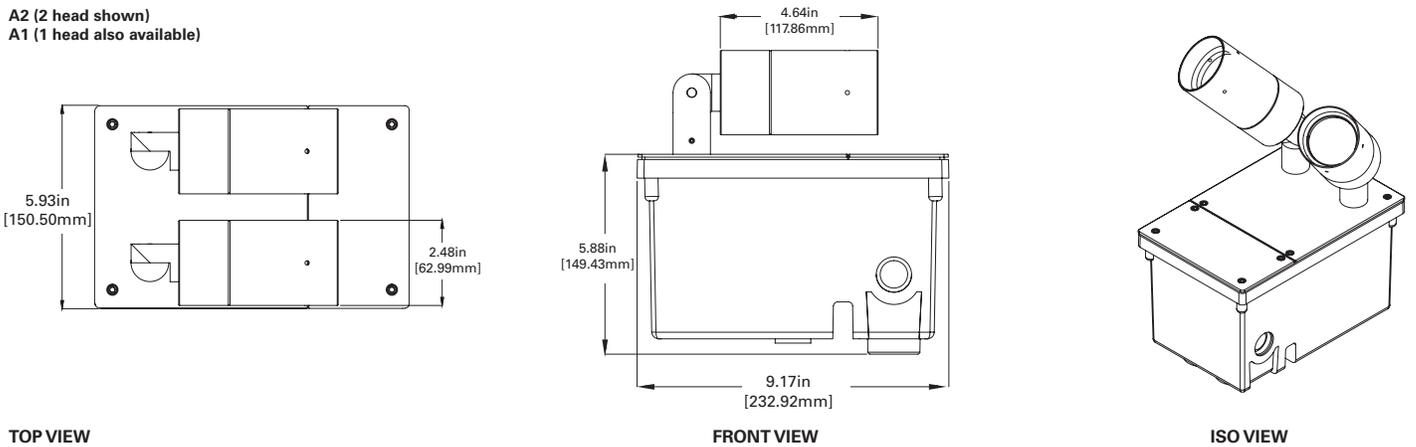
ROUND SURFACE MOUNT (RSM)

A2 (2 head shown)
A1 (1 head also available)

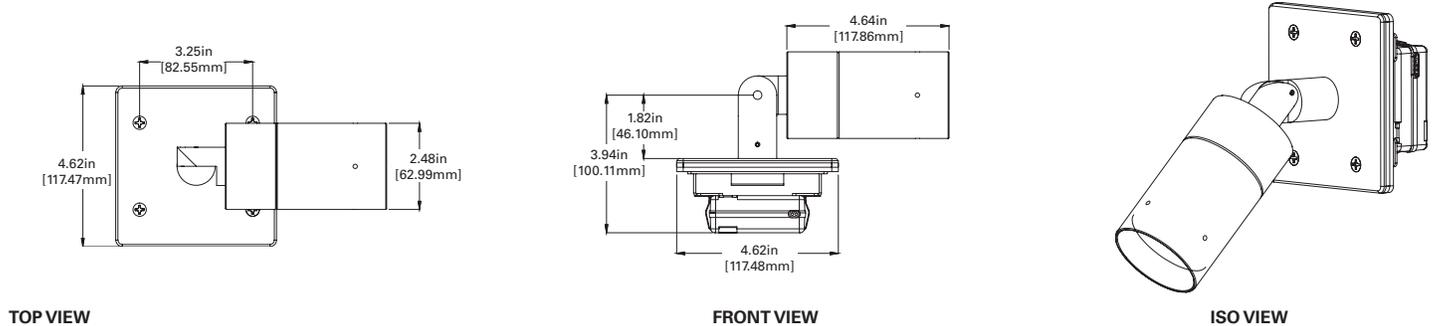


GROUND MOUNT RECESSED BOX (MB)

A2 (2 head shown)
A1 (1 head also available)

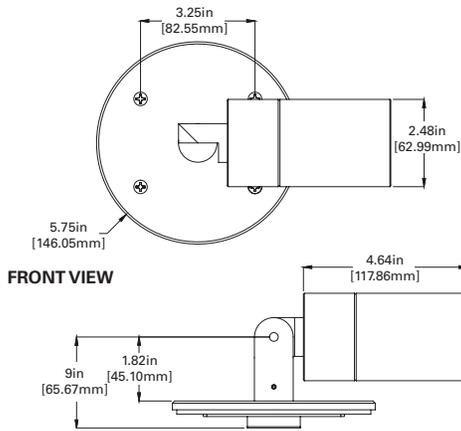


WALL INTEGRAL DRIVER PLATE (WIS)

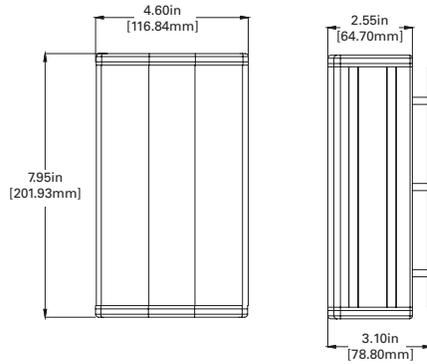


REMOTE DRIVER HOUSING ROUND WALL (WRR)

Also available as WRS (wall remote square)

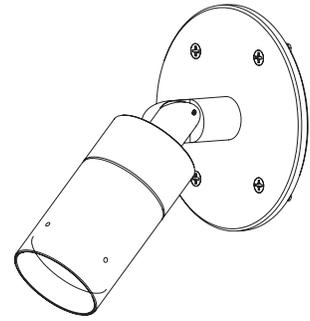


TOP VIEW



Remote Driver distance up to 60'

REMOTE BOX

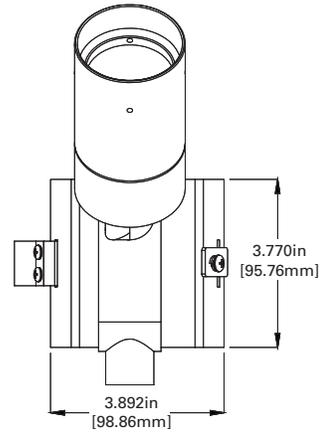


ISO VIEW

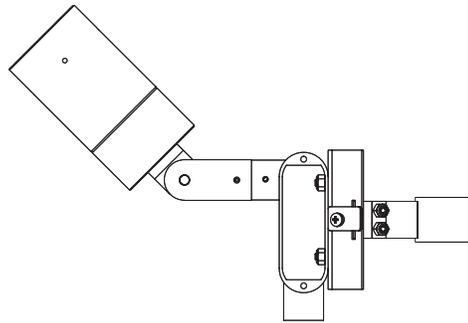
TREE STRAP MOUNT (TSR2-X)

2 head shown (available up to 4 heads)

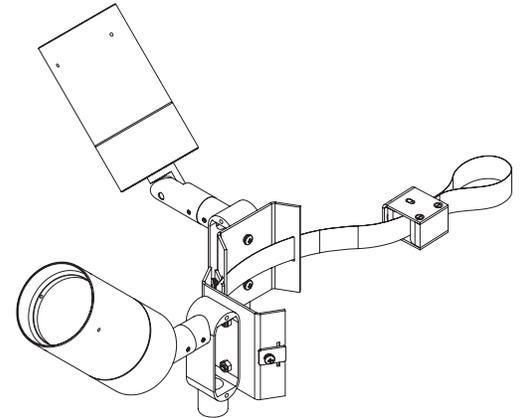
TREE STRAP WITH FIXTURE MOUNTED



FRONT VIEW

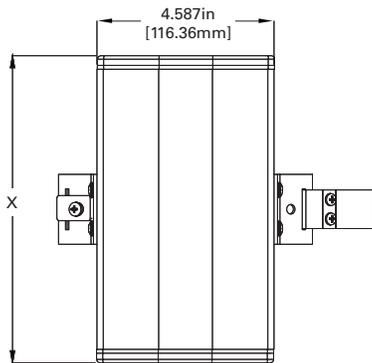


SIDE VIEW

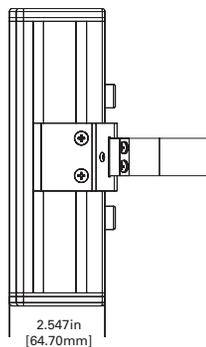


ISO VIEW (TSR2-2 shown)

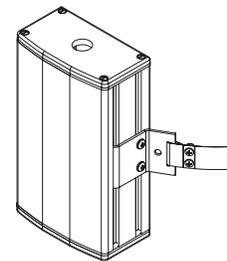
REMOTE DRIVER HOUSING STRAP



FRONT VIEW



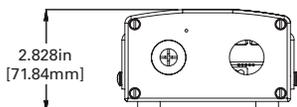
SIDE VIEW



ISO VIEW

X = 7.95in [201.93mm], for up to 2 head configurations

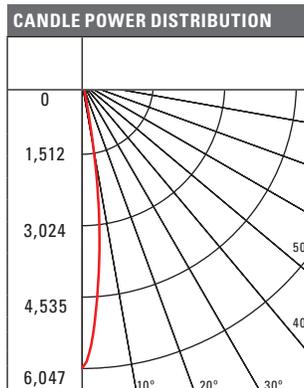
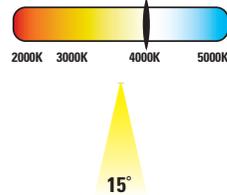
X = 12.050in [306.07], for 3-4 head configurations



PHOTOMETRICS

Test Number	P29421
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-S-BK-L1-UNV
Lumens	458 Lm
Watts	10 W
LPW	45.8 Lm/W
CCT	4000K
SC (0/90/45)	0.24 / 0.24 / 0.24
Beam Angle	14°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1

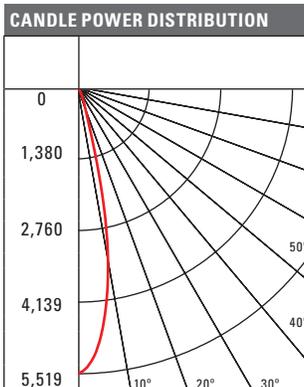
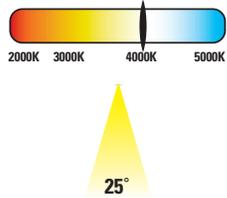


CONE OF LIGHT				
Horizontal Illuminance on Floor				
MH	FC	L	W	
2'	1511.8	0.4	0.4	
4'	377.9	0.8	0.8	
6'	168	1.4	1.4	
8'	94.5	1.8	1.8	
10'	60.5	2.4	2.4	
15'	26.9	3.6	3.6	
20'	15.1	4.8	4.8	
30'	6.7	7.2	7.2	
40'	3.8	9.6	9.6	

CANDELA TABLE	
Angle	0-deg
0	6047
5	4064
10	1430
15	292
20	137
30	21
40	7
50	3
60	2
70	1
80	0
90	0

Test Number	P29422
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-M-BK-L1-UNV
Lumens	985 Lm
Watts	10 W
LPW	98.5 Lm/W
CCT	4000K
SC (0/90/45)	0.4 / 0.4 / 0.36
Beam Angle	23.1°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1

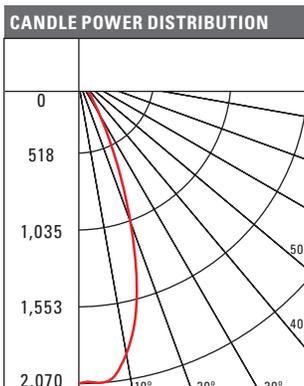
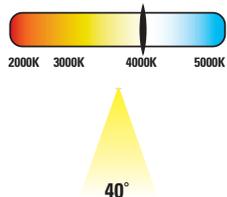


CONE OF LIGHT				
Horizontal Illuminance on Floor				
MH	FC	L	W	
2'	1379.8	0.6	0.6	
4'	344.9	1.4	1.4	
6'	153.3	2.2	2.2	
8'	86.2	3	3	
10'	55.2	3.8	3.8	
15'	24.5	5.8	5.8	
20'	13.8	7.8	7.8	
30'	6.1	11.8	11.8	
40'	3.4	15.8	15.8	

CANDELA TABLE	
Angle	0-deg
0	5519
5	4909
10	3391
15	1302
20	457
30	133
40	22
50	6
60	2
70	1
80	0
90	0

Test Number	P29423
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-F-BK-L1-UNV
Lumens	1015 Lm
Watts	10W
LPW	101.5 Lm/W
CCT	4000K
SC (0/90/45)	0.66 / 0.66 / 0.63
Beam Angle	40.3°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1

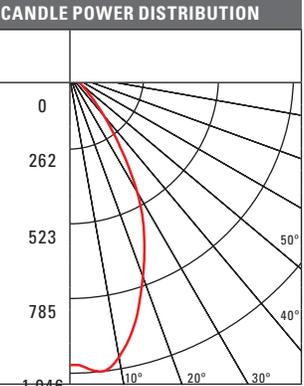
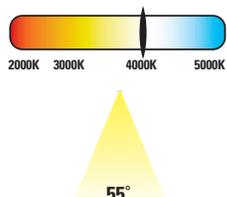


CONE OF LIGHT				
Horizontal Illuminance on Floor				
MH	FC	L	W	
2'	517.5	1.2	1.2	
4'	129.4	2.6	2.6	
6'	57.5	3.8	3.8	
8'	32.3	5.2	5.2	
10'	20.7	6.6	6.6	
15'	9.2	9.8	9.8	
20'	5.2	13.2	13.2	
30'	2.3	19.8	19.8	
40'	1.3	26.4	26.4	

CANDELA TABLE	
Angle	0-deg
0	2070
5	2070
10	1900
15	1547
20	1048
30	306
40	60
50	11
60	3
70	2
80	0
90	0

Test Number	P29424
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-W-BK-L1-UNV
Lumens	947 Lm
Watts	10 W
LPW	94.7 Lm/W
CCT	4000K
SC (0/90/45)	0.87 / 0.87 / 0.88
Beam Angle	57.1°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1



CONE OF LIGHT				
Horizontal Illuminance on Floor				
MH	FC	L	W	
2'	257.5	1.6	1.6	
4'	64.4	3.4	3.4	
6'	28.6	5	5	
8'	16.1	6.8	6.8	
10'	10.3	8.6	8.6	
15'	4.6	12.8	12.8	
20'	2.6	17.2	17.2	
30'	1.1	25.8	25.8	
40'	0.6	34.4	34.4	

CANDELA TABLE	
Angle	0-deg
0	1018
5	1042
10	1005
15	896
20	754
30	477
40	189
50	56
60	13
70	2
80	0
90	0

CCT/CRI	LED2790	LED3090	LED3590	LED4080	LED5080	LED2797	LED3097	LED3597	LED4097
FC Multiplier	0.757	0.802	0.869	1.000	1.092	0.722	0.773	0.813	0.833

LUMEN TABLE

		1002-[A1, P1, S1/SU1, W1] Regressed Hood - Black L1 - 10W		
		CBCP	Lumens	LPW
S Spot 15°	LED2790	4566	358	35.8
	LED3090	4837	379	37.9
	LED3590	5236	411	41.1
	LED4080	6028	473	47.3
	LED5080	6581	516	51.6
	LED2797	4350	341	34.1
	LED3097	4657	365	36.5
	LED3597	4898	384	38.4
	LED4097	5022	394	39.4
M Medium Flood 25°	LED2790	4252	724	72.4
	LED3090	4505	767	76.7
	LED3590	4877	831	83.1
	LED4080	5614	956	95.6
	LED5080	6129	1044	104.4
	LED2797	4051	690	69.0
	LED3097	4337	739	73.9
	LED3597	4562	777	77.7
	LED4097	4677	797	79.7
F Flood 40°	LED2790	1604	746	74.6
	LED3090	1699	791	79.1
	LED3590	1840	856	85.6
	LED4080	2118	985	98.5
	LED5080	2312	1076	107.6
	LED2797	1528	711	71.1
	LED3097	1636	761	76.1
	LED3597	1721	801	80.1
	LED4097	1764	821	82.1
W Wide Flood 55°	LED2790	798	685	68.5
	LED3090	846	726	72.6
	LED3590	916	785	78.5
	LED4080	1054	904	90.4
	LED5080	1151	987	98.7
	LED2797	761	653	35
	LED3097	814	699	69.9
	LED3597	856	735	73.5
	LED4097	878	753	75.3

TM30 DATA

1002	CCT/CRI	Rf	Rg	Ra	R9
	2790	91.8	100	93.8	66.3
	3090	91.3	99.1	92.1	62.6
	3590	90.4	98.7	92.5	65.5
	4080	82.6	93.8	84.2	15.1
	5080	81.4	93.3	83.8	14
	2797	94.7	100.3	98.2	92.7
	3097	94	100.1	98.6	94.2
	3597	93	99.6	98.2	95.3
	4097	91.1	97.8	95.9	87.7

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C, 40°C, 50°C	> 86%	> 90,000

POWER TABLE

Number of Heads	Light Level	Input Current (A) at 120 VAC	Input Current (A) at 277 VAC	Input Power (W)
A1	L1	0.08	0.03	10
	LC1	0.1	0.085	11.4
A2	L1	0.16	0.06	20
	LC1	0.2	0.17	22.8

INTEGRATED SENSOR - SVPD2

The Lanterra Accent 1002 with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The Lanterra Accent 1002 delivers superior lighting with integrated PIR occupancy sensing and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated circuit planning or special wiring. The Lanterra Accent 1002 delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The SVPD2 sensor is configured for outdoor use, so the integral daylight sensor will enable the luminaire to automatically adjust to daylight conditions by turning off when sufficient sunlight is present. Consult factory for indoor configuration.

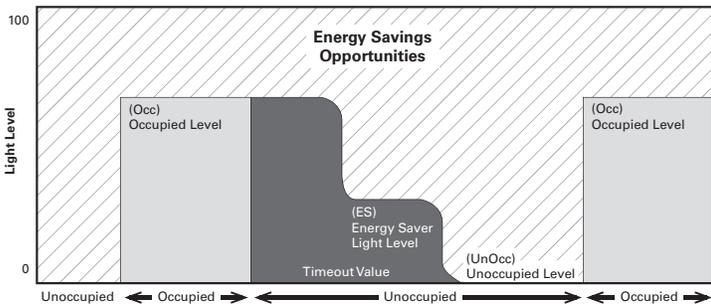
Occupied light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH01LUM). While the default unoccupied level is OFF, a lower light level can be saved instead using the programming remote. The integrated sensor personal remote (Catalog Number: ISHH02LUM) provides code compliant manual raise, lower, ON, OFF control.

The Lanterra Accent 1002 with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.



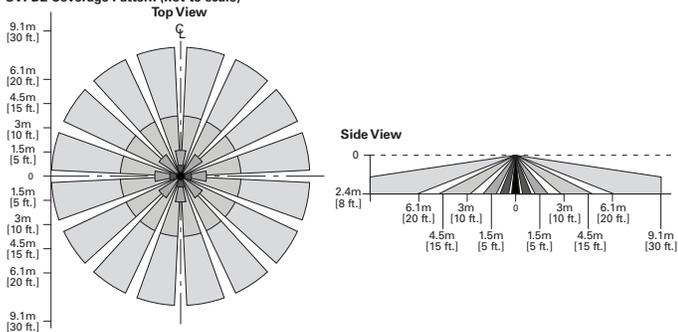
HOW IT WORKS

- As the user enters the space controlled by the integral sensor, the lighting turns ON to the occupied light level.
- Lighting will remain at the occupied level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level (default matches occupied level). This adjustable light level is often set to half of the occupied daylight level using the programming remote.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.
- If sufficient sunlight is present, the luminaire will remain OFF, regardless of occupancy.

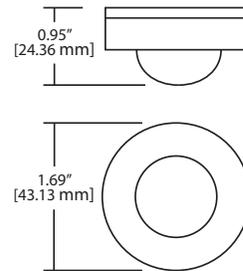


Coverage

SVPD2 Coverage Pattern (not to scale)



Sensor Dimensions



Optional Remote Controls



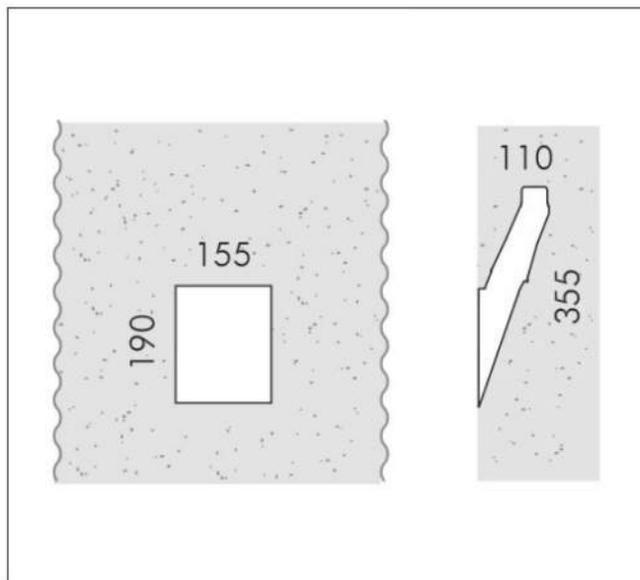
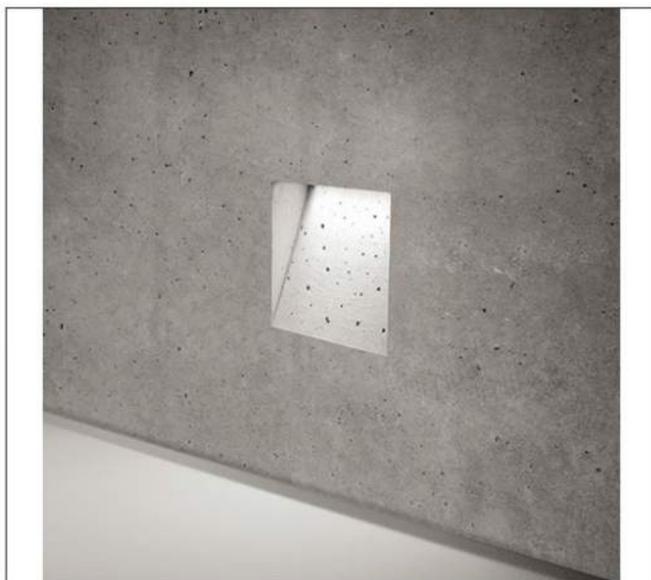
ISHH01LUM Programming Remote



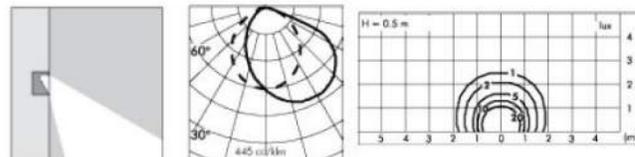
ISHH02LUM Personal Control Remote



TECHNICAL DATA SHEET ART. C.8028W - MINIGHOST SQUARE



MODULES LED 3000K 230V 490lm CRI 80 MacAdam step 3
 Rated luminaire luminous flux: 268lm
 Rated input power: 6W
 Luminaire efficacy: 45lm/W
 Electronic ballast 220+230V AC 50-60Hz



CE IP 65

Fixture available with external DALI driver on request with surcharge.

LUMINAIRE TYPE

Wall mounted luminaire. IP rating IP 65

MATERIAL CHARACTERISTICS

Ghost is a lighting void that is obtained from a polypropylene housing anchored to the retaining panels before pouring the concrete. Ghost is composed of two elements: the housing and the lighting element. The housing is in polypropylene and it consists of two complementary parts: - A jig, which forms the housing, and is extracted together with the retaining panel after completing the casting and removing the anchor screws; - The housing that remains embedded inside the casting and houses the lighting element. (The housing is supplied with bolts, locking system and stickers to be applied on the outside of the retaining panels so to secure a perfect alignment for multiple installations of each housing when pouring the concrete). The lighting element in die cast aluminum is anchored to the casing through proper screws and it remains completely hidden into the void. Mechanical resistance IK 10

MAINTENANCE

This luminaire is manufactured on site during the concrete casting of the wall with hand crafted procedures; therefore, small imperfections caused by the low accuracy of the casting, subsidence of the concrete surface, actual and future cracks, colour ripples and variations over time, will be deliberately present and they are a feature of the concrete, proving the hand-made manufacturing procedure.

LIGHTING PERFORMANCE

Toughened glass diffuser. LOR --

WIRING

Supplied with a pre-wired 0.3m H05RN-F cable. Isolation: CLASS I. Available colours: Cast cement. Weight: 1.7 Kg Glow Wire test: --

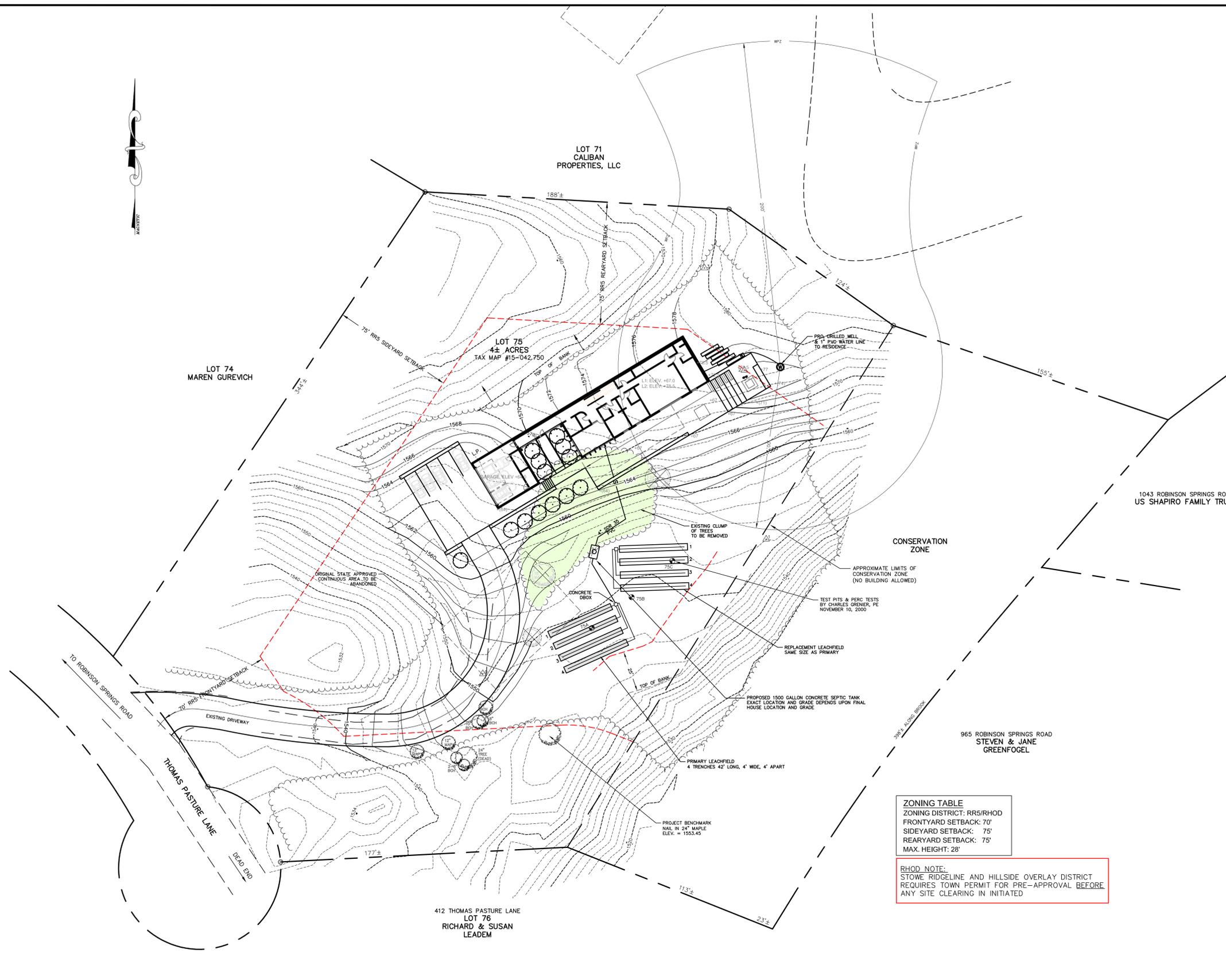
L.E.D circuit included.

GHOST PATENTED, REGISTERED DESIGN

This luminaire contains built-in LED modules with energy class: A, A+, A++. In case of damage or malfunction please contact the manufacturer to receive additional instructions on how to replace and relative spare parts to order. The LED modules cannot be handled in the luminaire by the end user (Regulation UE 874/2012).

LED circuit boards are engineered accordingly to actual Lumen Maintenance regulation (LM80) and Technical Memorandum (TM21) where uniformity and quality of light is 50.000 hours referred to L70 B20 Ta 25°C.

Lifecycle refers to LED circuit boards only, all others components of the luminaire are excluded.



ISOLATION TABLE

ITEM	WELL	SEPTIC TANK	LEACHFIELD
DRIVEWAY	15'	5'	10'
HOUSE FOOTING DRAIN	10'	10'	35' IF ITEM IS UPHILL OR 75' IF ITEM IS DOWNHILL
PROPERTY LINE	10'	10'	25'
LEACHFIELD	100/200'	-	10'
SEPTIC TANK	50'	-	-
SERVICE WATER LINE	-	25'	25'

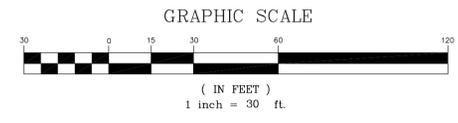
ZONING TABLE

ZONING DISTRICT: RR5/RHOD
 FRONTYARD SETBACK: 70'
 SIDERYARD SETBACK: 75'
 REARYARD SETBACK: 75'
 MAX. HEIGHT: 28'

RHOD NOTE:
 STOWE RIDGELINE AND HILLSIDE OVERLAY DISTRICT
 REQUIRES TOWN PERMIT FOR PRE-APPROVAL BEFORE
 ANY SITE CLEARING IS INITIATED

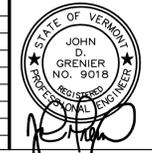
LEGEND

	SURVEY CONTROL POINT
	IRON PIN/ROD FOUND
	SOIL TEST PIT
	PRO. DRILLED WELL
	PROPERTY LINE
	SETBACK LINE
	CONSERVATION ZONE (NO BUILD)
	EDGE OF ROAD/DRIVE
	PRO. WATER LINE
	PRO. GRAVITY SEWER LINE
	EX. CONTOURS
	PRO. CONTOURS
	WELLHEAD PROTECTION ZONE
	EX. TREE LINE
	EX. TREE
	EX. TREE (TO BE REMOVED)
	PRO. TREE



NOTE: ORIGINAL PLAN 24 " x 36 ". OTHER SIZES NOT TO SCALE

No.	Date	Revision	By



SITE PLAN

BEN-AVIKA DICKENSON

THOMAS PASTURE LANE STOWE

<p>GRENIER ENGINEERING, P.C. 155 DEMERITT PLACE #2</p>	P.O. Box 445 Waterbury, VT 05676 TEL (802) 244-6413 FAX (802) 244-1572 grenierengineering.com	Date: 2.06.19 Scale: 1" = 30' Designed: JDG Drawn: JAD/TJM Checked: JDG Sheet No: 1 of 1
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