

Date: <u>4/12/2022</u>	Application #: <u>035-22</u>
Fees Paid: <u>\$150</u>	+ \$15 recording fee = <u>\$165</u>
Parcel ID #: <u>916-0014.V</u>	
Tax Map #: <u>19-350.000</u>	

TOWN OF WATERBURY ZONING PERMIT APPLICATION

Please provide all of the information requested in this application. Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process of this application. Based upon the nature of the project you may need to submit additional information. For instructions on how to fill out this form please refer to the *Zoning Permit Application Instructions & Fee Schedule* available on the municipal website or at the municipal offices. Submit one copy of the completed application and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process, please contact the Zoning Administrator at 802-244-1018.

CONTACT INFORMATION

APPLICANT
 Name: Brian Leven
 Mailing Address: 212 Moulton Lane
Stowe, VT 05672
 Home Phone: 802-730-9435
 Work/Cell Phone: _____
 Email: BHL4@island.com

PROPERTY OWNER (if different from Applicant)
 Name: First Maint. Ventures
 Mailing Address: PO Box 1304
Burlington, VT 05401
 Home Phone: 802-862-1611
 Work/Cell Phone: _____
 Email: claudia@grandviewfarmsvt.com

PROJECT DESCRIPTION

Physical location of project (E911 address): 14 S. Main St.

Lot size: _____ Zoning District: _____

Existing Use: _____ Proposed Use: _____

Brief description of project: Seeking approval for 3 changes:
1) addition of stone retaining wall at rear of lot;
2) expansion of deck for previously approved restaurant;
and 3) location of utility units on roof.

Cost of project: \$ _____ Estimated start date: _____

Water system: _____ Waste water system: _____

EXISTING	PROPOSED
Square footage: _____ Height: _____	Square footage: _____ Height: _____
Number of bedrooms/baths: _____	Number of bedrooms/bath: _____
# of parking spaces: _____	# of parking spaces: _____
Setbacks: front: _____	Setbacks: front: _____
sides: _____ rear: _____	sides: _____ rear: _____

ADDITIONAL MUNICIPAL PERMITS REQUIRED:

- Curb Cut / Access permit E911 Address Request
- Water & Sewer Allocation none of the above

[Additional State Permits may also be required]

CHECK ALL THAT APPLY:

- NEW CONSTRUCTION**
- Single-Family Dwelling
 - Two-Family Dwelling
 - Multi-Family Dwelling
 - Commercial / Industrial Building
 - Residential Building Addition
 - Comm./ Industrial Building Addition
 - Accessory Structure (garage, shed)
 - Accessory Apartment
 - Porch / Deck / Fence / Pool / Ramp
 - Development in SFHA (including repairs and renovation)
 - Other _____

- USE**
- Establish new use
 - Change existing use
 - Expand existing use
 - Establish home occupation

- OTHER**
- Subdivision (# of Lots: _____)
 - Boundary Line Adjustment (BLA)
 - Planned Unit Development (PUD)
 - Parking Lot
 - Soil/sand/gravel/mineral extraction
 - Other _____

Date: _____	Application #: _____
Fees Paid: _____	(\$15 recording fee already paid)
Parcel ID #: _____	
Tax Map #: _____	

TOWN OF WATERBURY SITE PLAN REVIEW INFORMATION

This Site Plan Review information sheet supplements the Zoning Permit Application. Please provide all of the information requested on both forms. Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process. Submit one copy of the completed forms and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process please contact the Zoning Administrator at 802-244-1018.

PROJECT DESCRIPTION

Brief description of project: ① Addition of stone retaining wall in rear of property; ② expansion of deck for restaurant - no increase in overall seating; and ③ location of rooftop utility units

SITE PLAN REVIEW CRITERIA

Please utilize the check list to ensure your proposal addresses each relevant Site Plan Review criteria:

- Adequacy of traffic access
- Adequacy of circulation and parking
- Adequacy of landscaping and screening (including exterior lighting)
- Requirements for the Route 100 Zoning District
- Special considerations for projects bordering Route 2, Route 100, or Interstate 89

SITE PLAN SUBMISSION REQUIREMENTS

Before an application for site plan review is considered complete, the applicant shall file a site plan, clearly drawn to the largest practical scale, showing the following:

- Location and dimensions of lot lines, names of adjacent landowners, all easements, utilities, and existing and proposed structures.
- All access to public streets or roads, parking and service areas, pedestrian walkways, curbs and stormwater drainage.
- Pedestrian and vehicular circulation, including parking lot layout, entrances to structures, signs, and lighting.
- Building elevations and footprints.
- Detailed site grading and landscaping, indicating existing and proposed trees, shrubs, and ground cover.
- Two copies of all plans.
- For plans larger than 11"x17" please submit a digital plan set in addition to the paper copy (pdf. file format).

CONTACT Zoning Administrator Phone: (802) 244-1018
 Mailing Address: Waterbury Municipal Offices, 28 North Main Street, Suite 1, Waterbury, VT 05676
 Municipal Website: www.waterburyvt.com

Date: _____	Application #: _____
Fees Paid: _____	(\$15 recording fee already paid)
Parcel ID #: _____	
Tax Map #: _____	

TOWN OF WATERBURY OVERLAY DISTRICT INFORMATION

This Overlay District information sheet supplements the Zoning Permit Application. Please provide all of the information requested on both forms. Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process. Submit one copy of the completed forms and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process please contact the Zoning Administrator at 244-1018.

PROJECT DESCRIPTION

Brief description of project: ① Addition of stone retaining wall in rear of property;
② expansion of deck for restaurant - no increase in overall seating; and ③ location
of rooftop utility units

Fill out only the relevant section(s) & utilize the following checklists to ensure your plans include all the required information.

DOWNTOWN DESIGN REVIEW OVERLAY DISTRICT (DDR)

DESIGN STANDARDS:

For Historic Structures (applying to all structures listed on the National Register of Historic Places):

- Original materials or materials typical of the architectural style are preserved or replaced with like materials to the extent feasible and appropriate.
- Historic building features shall be preserved or replicated to the extent feasible and appropriate.

For projects within the Historic/Commercial Sub-District:

- New building designs shall reinforce historic streetscape patterns, including orientation and setbacks.
- New buildings shall maintain overall height, size, massing, scale, and proportions compatible with those of buildings in the vicinity.
- New additions are designed to complement and be compatible with the original structure.
- Project design reinforces a pedestrian streetscape.
- On-site utilities shall be buried and utility boxes are screened from public view if the utilities along the street serving that structure are also buried.
- Buildings, or portions thereof, having eaves heights of 20-foot or less above ground level incorporate moderately to steeply pitched roofs, unless the another roof type is appropriate.

For projects within the Mixed-Use Sub-District:

- Building sites, including road and pedestrian networks, are designed in a manner that is integrated and compatible with adjoining parcels and areas.
- A proposed project located next to or facing a historic structure incorporates similar or complementary building features.
- New buildings are oriented to front upon, and relate both functionally and visually to, primary access roads.
- On-site parking is situated to the rear or on the sides of structures, where feasible and appropriate.
- The primary facades of principal structures are clearly defined through the placement of one or more prominent entryways, pedestrian walkways, or landscaping features.
- Building facades and rooflines are designed so as to reduce the perceived mass, scale, and uniform impersonal appearance of large buildings and additions, and to provide visual interest.
- Clearly defined pedestrian walkways are provided through parking areas, between buildings, and from public sidewalks to the site.

SUBMISSION REQUIREMENTS:

- All information required under Site Plan (see Site Plan Application)
- Proposed architectural elevations (for each exterior wall) showing door and window types and placement, and other exterior details
- A description of all materials to be used on the exterior of building
- Photos of the existing building(s) on the site and adjacent and facing parcels
- For demolition of a structure listed on the National Register of Historic Places see additional requirements within the Regulations.

Exhibit A4

RIDGELINE, HILLSIDE, STEEP SLOPE OVERLAY DISTRICT (RHS)

REVIEW STANDARDS:

- For both Minor & Major Development Projects see Conditional Use Criteria
- For Major Development Projects:
 - Screening
 - Access
 - Placement of Structures
 - Exterior Lighting
 - Clearcutting and Pre-Development Site Preparation
 - Natural Resources
 - Building Design

SUBMISSION REQUIREMENTS :

- Minor Development Projects (1,200—1,499 FIE)
 - All information required under Site Plan Review (see Site Plan Review Application)
 - Completed Conditional Use Application
- Major Development Projects (1,500 & up FIE)
 - All information required under Site Plan Review (see Site Plan Review Application)
 - Completed Conditional Use Application
 - Grading Plan
 - Visibility Studies
 - Stormwater Drainage/Erosion Control Plan
 - Landscape Plan
 - Access Plan Natural Features

SPECIAL FLOOD HAZARD AREA OVERLAY DISTRICT (SFHA)

DESIGN STANDARDS:

- All development is reasonably safe from flooding All fuel storage tanks are either elevated or floodproofed.
- All substantial improvements and new construction (including fuel storage tanks) meet the following criteria:
- Designed, operated, maintained, modified and adequately anchored to prevent flotation, collapse, release, or lateral movement of the structure
 - Constructed with materials resistant to flood damage
 - Constructed by methods and practices that minimize flood damage
 - Constructed with electrical, heating, ventilation, plumbing and air-conditioning equipment and other service facilities that are designed and/or located so as to prevent water from entering or accumulating within the components during conditions of flooding
 - All new subdivisions and other proposed developments that are greater than 50 lots or 5 acres, whichever is the lesser shall include within such proposal base flood elevation data. See Regulations for additional subdivision standards.
 - The fully enclosed areas below the lowest floor that are useable solely for parking of vehicles, building access, or storage in an area other than a basement are designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters.
 - A non-residential, appurtenant structure of 500 sf or less need not be elevated to or above the base flood elevation in this area, provided the structure is placed on the building site so as to offer the minimum resistance to the flow of floodwaters
 - In Zones AE, A, and A1 – A30 where base flood elevations and/or floodway limits have not been determined, new construction and substantial improvement shall not be permitted unless it demonstrates additional standards (see Regulations)
 - All new construction and substantial improvements of residential structures within Zones A1-30, and AE must have the lowest floor of all residential structures (including basement) elevated to at least one foot above the base flood level.
 - All manufactured homes are installed using methods and practices which minimize flood damage. Manufactured homes must be elevated on a permanent foundation such that the lowest floor of the manufactured home is at least one foot above base flood elevation, and they must be anchored to an adequately anchored foundation to resist flotation collapse, or lateral movement.
 - All new construction and substantial improvements of non-residential structures within Zones A1-30, and AE shall:
 - Have the lowest floor (including basement) elevated to at least two feet above the base flood level; or
 - Be designed so that below the base flood level the structure is water tight with walls substantially impermeable to the passage of water with structural components having the capability of resisting hydrostatic and hydrodynamic loads and

Exhibit A5

effects of buoyancy to a point at least two feet above the base flood level.

- Where a non-residential structure is intended to be made watertight below the base flood level a registered professional engineer or architect shall develop and/or review structural design
- Adequate drainage paths shall be required around structures on slopes to guide floodwaters around and away from proposed structures.
- The flood carrying and sediment transport capacity within the altered or relocated portion of any watercourse shall be maintained, and any alteration or relocation shall not result in any decrease of stream stability.
- Bridge and culverts, which by their nature must be placed in or over the stream, must obtain a stream alteration permit from the Agency of Natural Resources, if required.

SUBMISSION REQUIREMENTS:

- Plans in triplicate, drawn to scale, showing the location, dimensions, contours, and elevation of the lot; the size and location on the site of existing or proposed structures, fill or storage of materials; the location and elevations of streets, water supply, and sanitary facilities; and the relation of the above to the location of the channel, floodway, and base flood elevation
- Specifications for building construction and materials, floodproofing, mining, dredging, filling, grading, paving, excavation, or drilling, channel improvement, storage of materials, water supply, and sanitary facilities
- Base flood elevation data for all subdivisions, new construction, and substantial improvements
- The elevation, in relation to mean sea level, of the lowest floor, including basement, of all new construction or substantial improvement of structures
- Where floodproofing is used in lieu of elevation, the elevation, in relation to mean sea level, to which any structure or substantial improvement will be floodproofed
- Where an application requires Board review the application shall include certification by a registered professional engineer or architect demonstrating that the proposed development will not increase base flood elevations more than 0.25 foot
- Certification by a registered professional engineer or architect demonstrating compliance with the elevation requirements
- A description of the extent to which any watercourse will be altered or relocated as a result of the proposed development
- A Vermont Agency of Natural Resources Project Review Sheet for the proposal
- Proposed floodproofing must be supported by a FEMA Floodproofing Certificate

CERTIFICATE OF COMPLETION: Upon completing the project the Applicant must apply for and receive a Certificate of Completion to ensure the project conforms to the Special Flood Hazard Area Regulations. See Certificate of Completion Application for additional information.

CONTACT Zoning Administrator Phone: (802) 244-1018
Mailing address: Waterbury Municipal Offices, 28 North Main Street, Suite 1, Waterbury, VT 05676
Municipal Website: www.waterburyvt.com

Exhibit B2

SBA
SMITH BUCKLEY
ARCHITECTS
 431 FINE STREET, SUITE 210
 BURLINGTON, VT 05401
 802.540.0323
 WWW.SBAVTCOM
 COPYRIGHT ©
 SMITH BUCKLEY ARCHITECTS

REQUEST CLARIFICATIONS AT EDGE
 IF THE DRAWING IS UNCLARIFIED
 OR IF ANY PARTS APPEAR IN THESE
 DRAWINGS. FIELD CHECK ALL
 DIMENSIONS PRIOR TO
 CONSTRUCTION

OWNER:
 Hen of the Wood
 Waterbury, VT
 802.244.7300

DESIGN ARCHITECT:
 Scott Kester Design
 Cold Spring, NY
 646.961.2466

CONTRACTOR:
 Mercur Construction, LLC
 802.238.7500

MEP ENGINEER:
 I.M. Consulting
 209 Flynn Avenue #2J
 Burlington, VT 05401
 802.655.1753

ARCHITECT-OF-RECORD:
 Smith Buckley Architects, PLLC

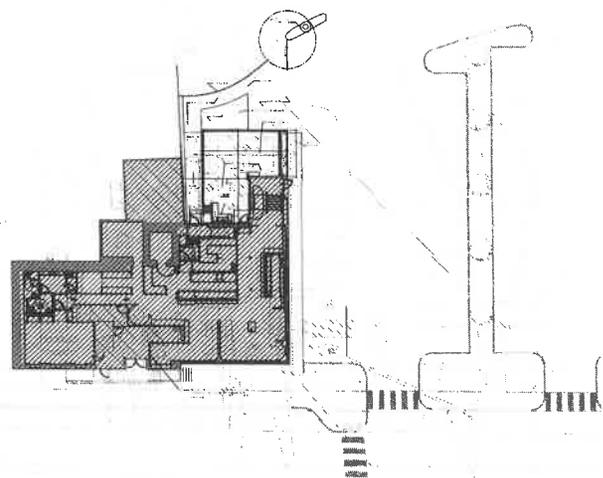
WATERBURY
 HEN OF THE WOOD
 14 SOUTH MAIN STREET
 WATERBURY, VT 05676

ISSUE DATE: 06/10/2021
 STATUS ZONING PERM
 REV NUMBER REV DATE
 XX XX

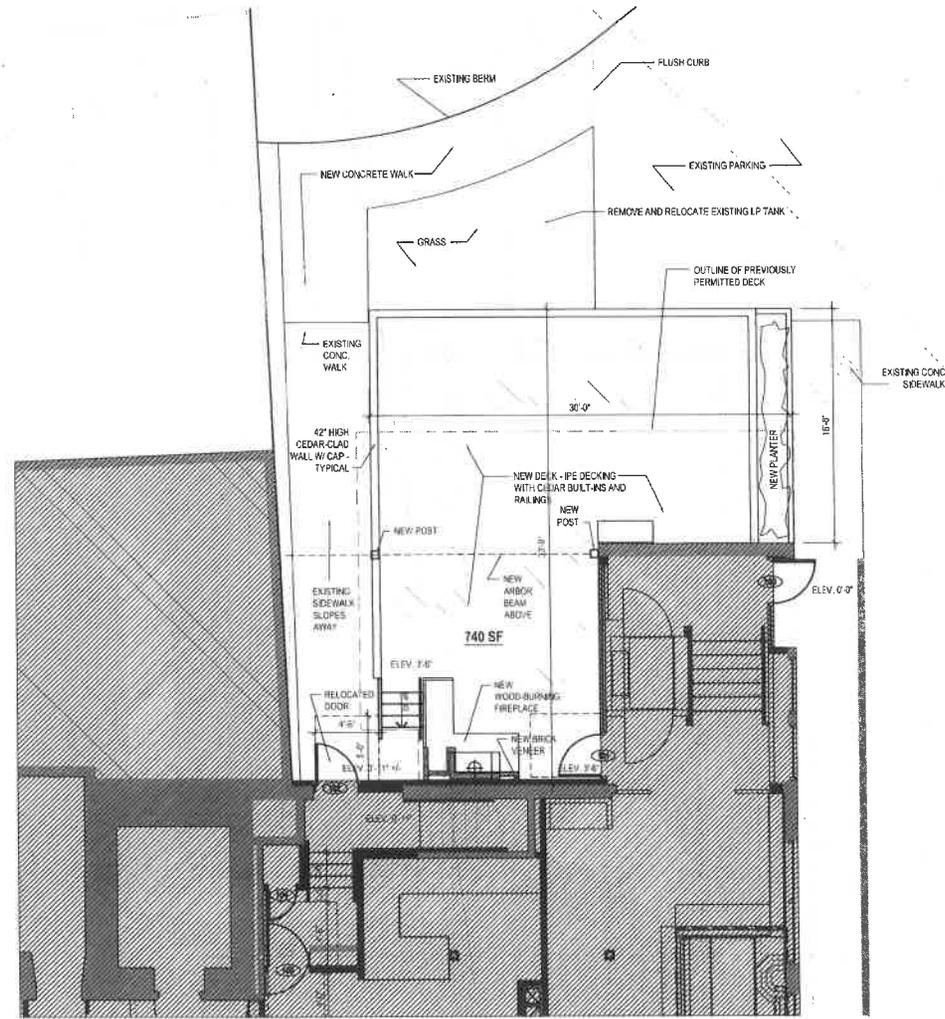
NEW OUTDOOR
 DINING DECK

SCALE: AS NOTED

ASK-1



OVERALL SITE LOCATION
 1"=20'



NEW OUTDOOR DINING DECK
 1/4"=1'

DRAWING: J:\NAME\PROJECTS\1017115\1017115.dwg - DATE: JUN 10 2021 - 10:40:00 AM - PLOT: 1017115.dwg

Exhibit C1

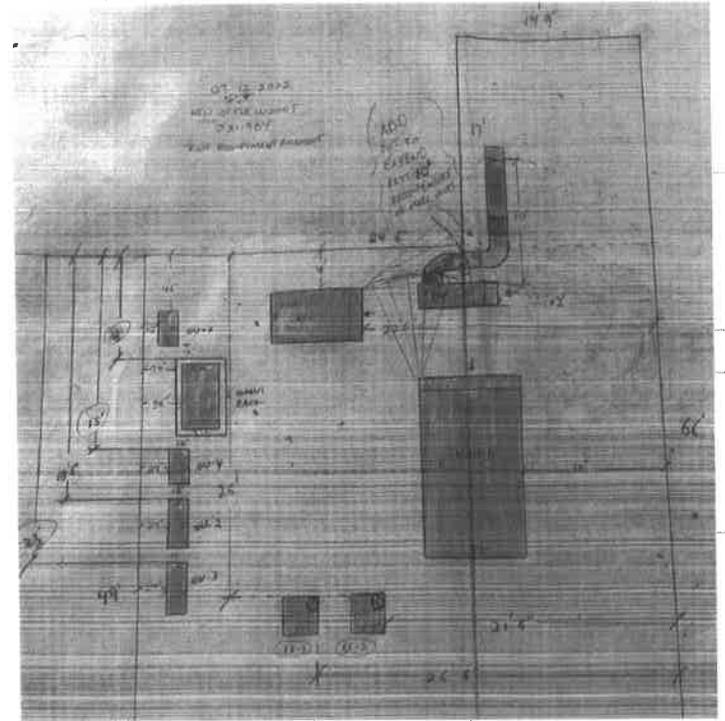
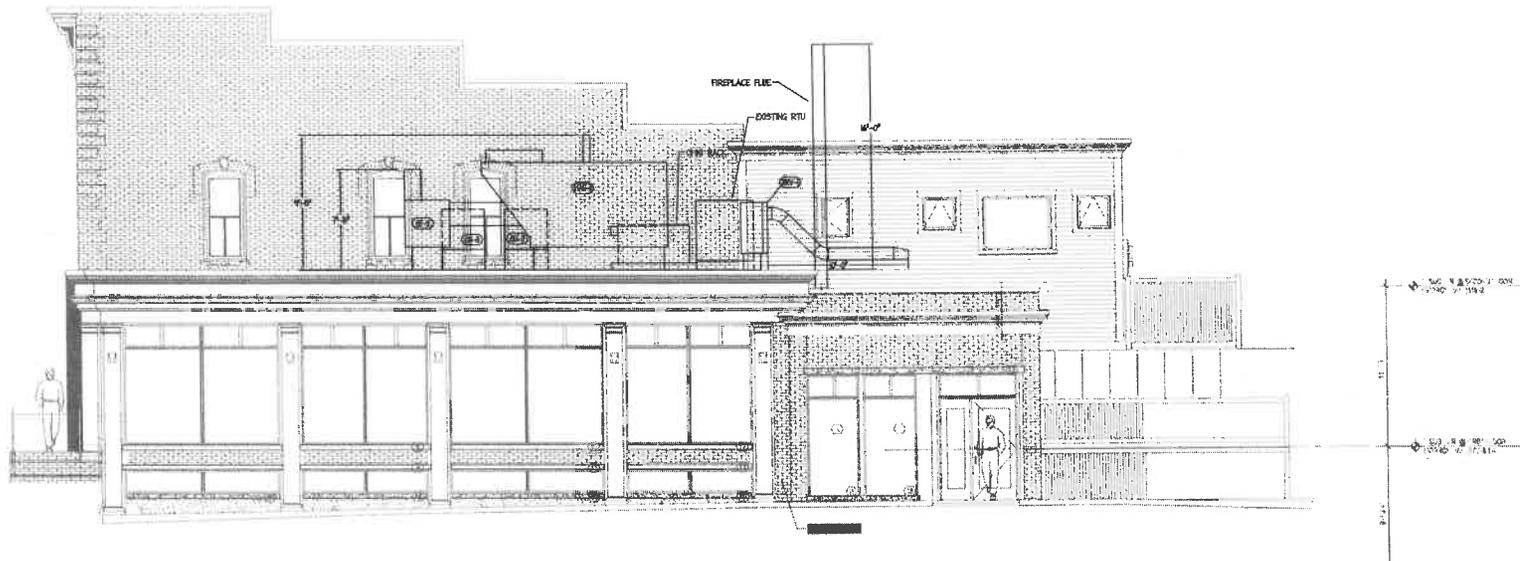


Exhibit C2

PRELIM.
DRAWING
NOT FOR
CONSTRUCTION



HEN OF THE WOOD
WATERBURY, VERMONT



① EAST ELEVATION

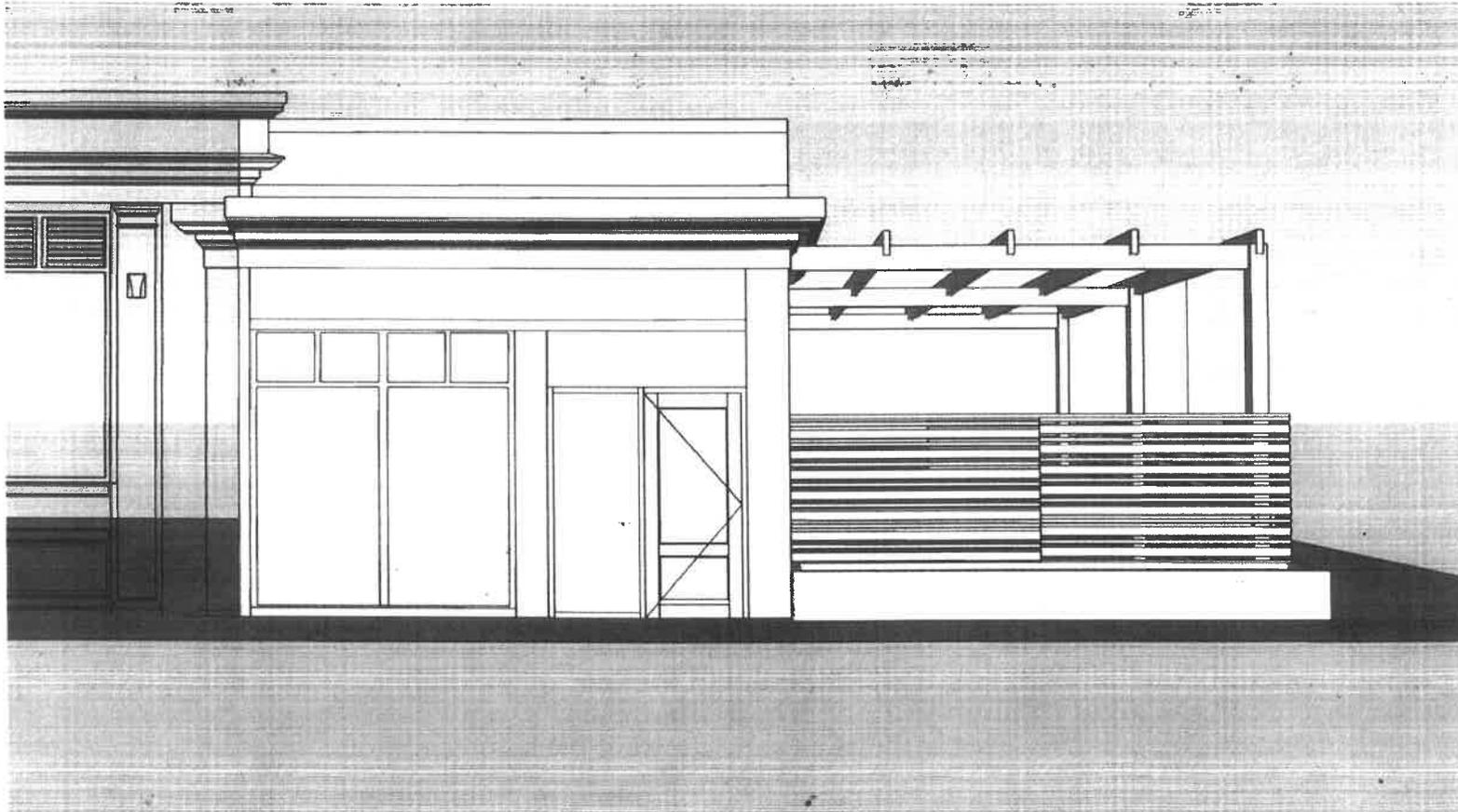
NO.	DATE	REVISION
1	12/29/20	SUBMITAL REVIEW
2	02/26/21	SUBMITAL REVIEW
3	05/27/21	MEGA. REV.
4	07/28/21	MEGA. REV.
5	08/25/21	MEGA. REV.
6	04/07/22	MEGA. REV.

PROJECT # 20308
DRAWN: LNC
CHECKED: LNC
DATE: APRIL 07, 2022
SCALE: AS NOTED

EAST ELEVATION
PARKING LOT
VIEW

SK-1

Exhibit D1



Hen of the Wood Waterbury

SCOTT KESTER DESIGN

Exhibit D2

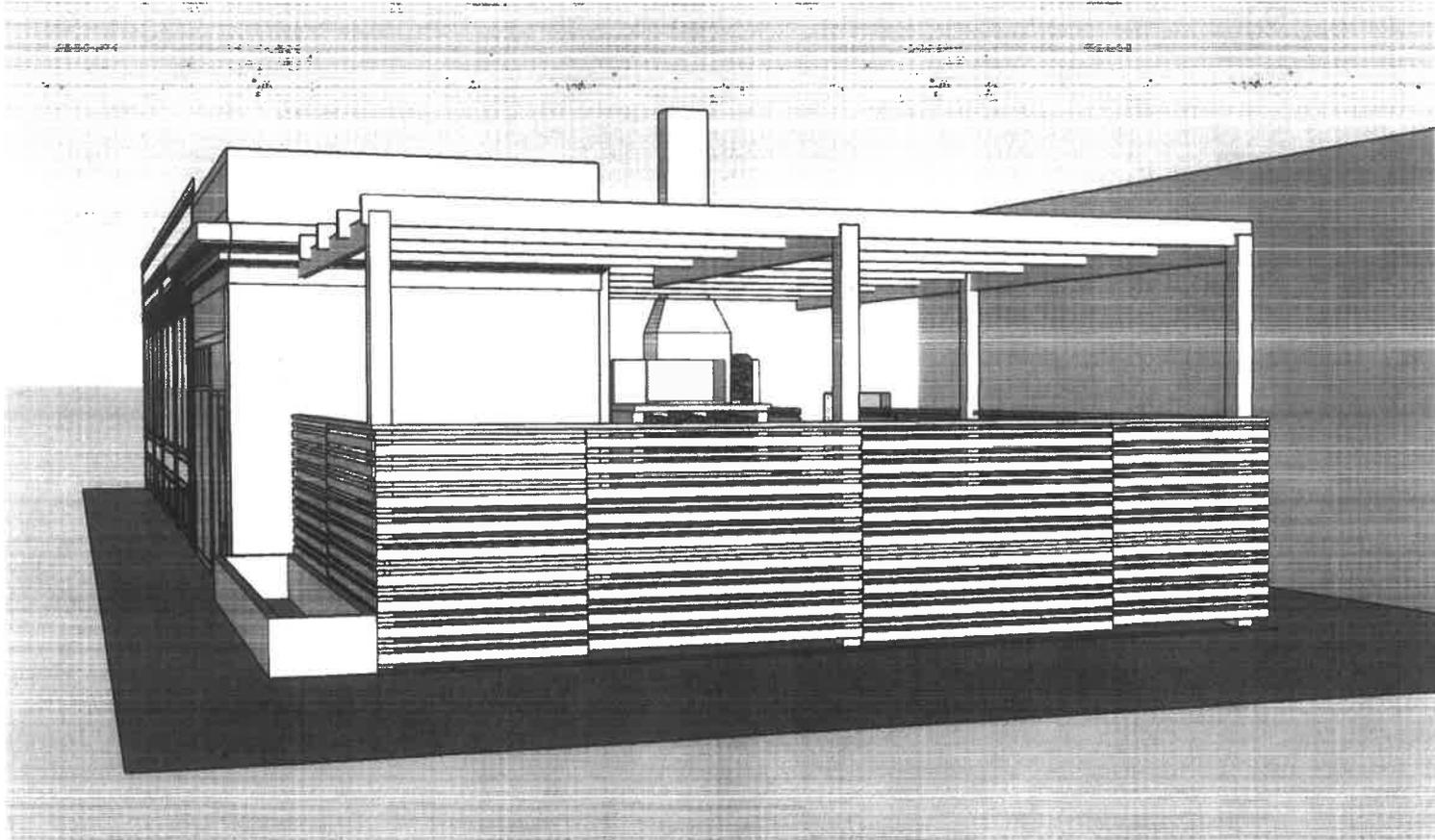
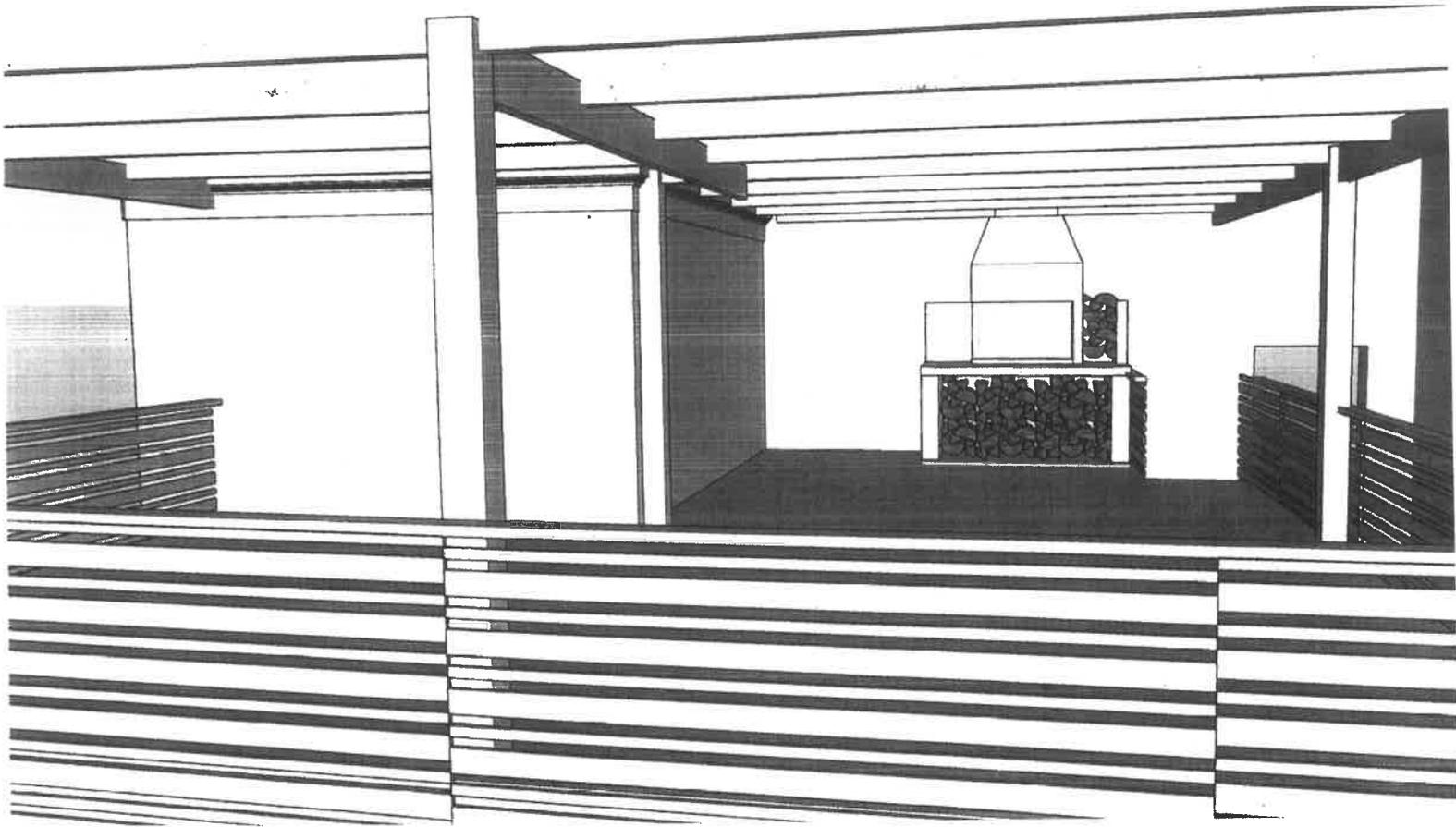


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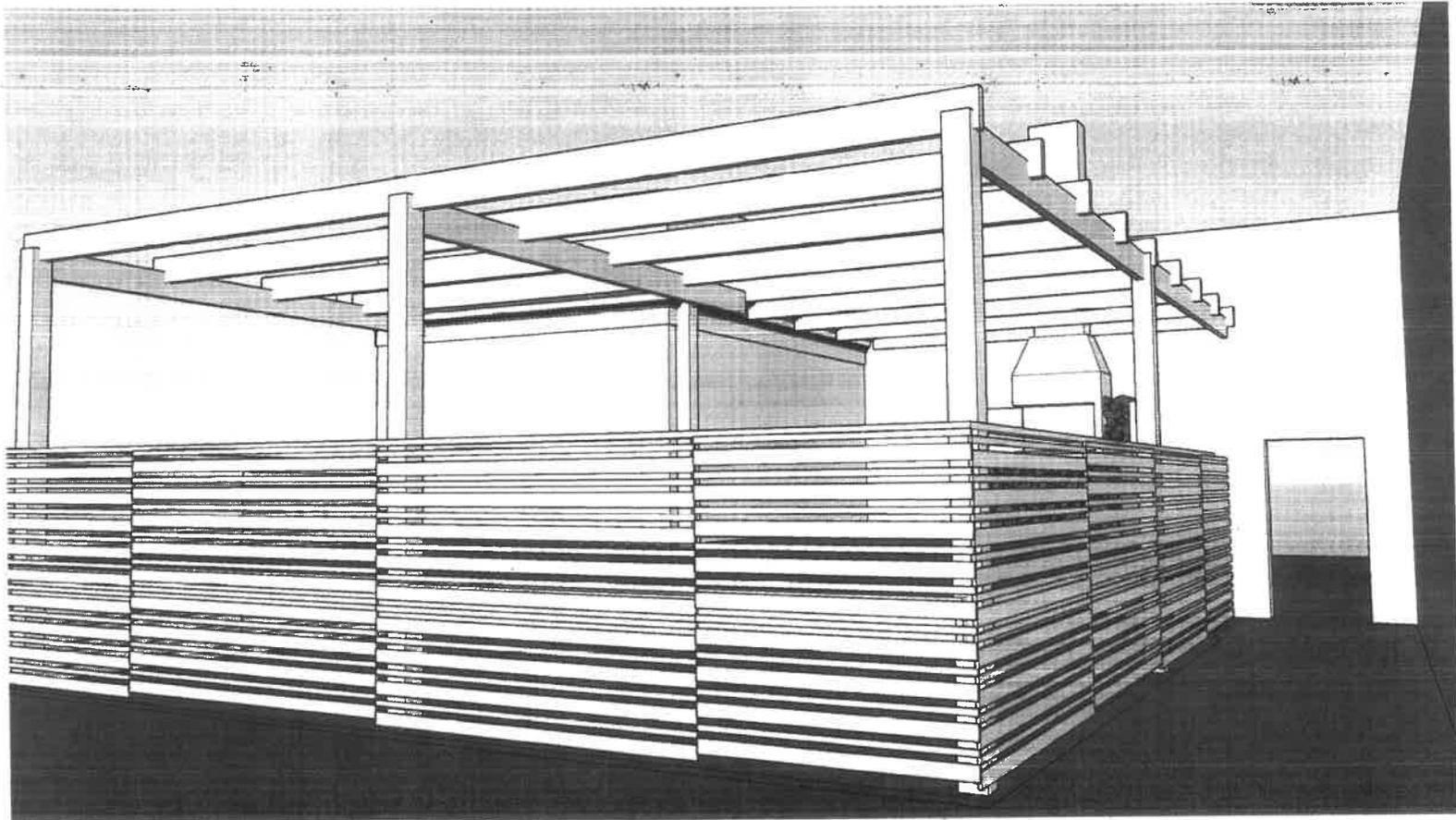


Hen of the Wood Waterbury

SCOTT KESTER DESIGN

DECK
November 5, 2021

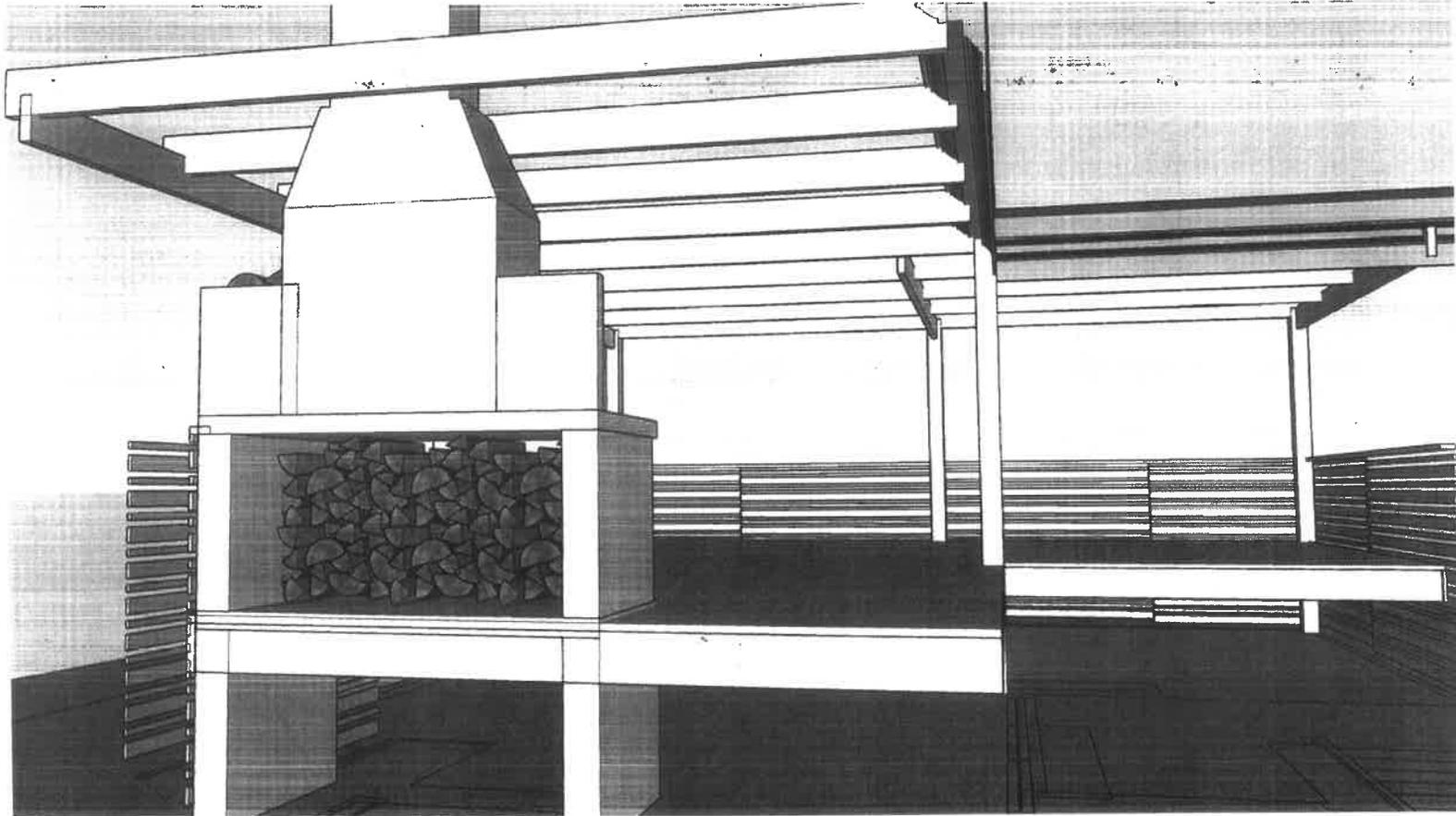
Exhibit D4



Hen of the Wood Waterbury

SCOTT KESTER DESIGN

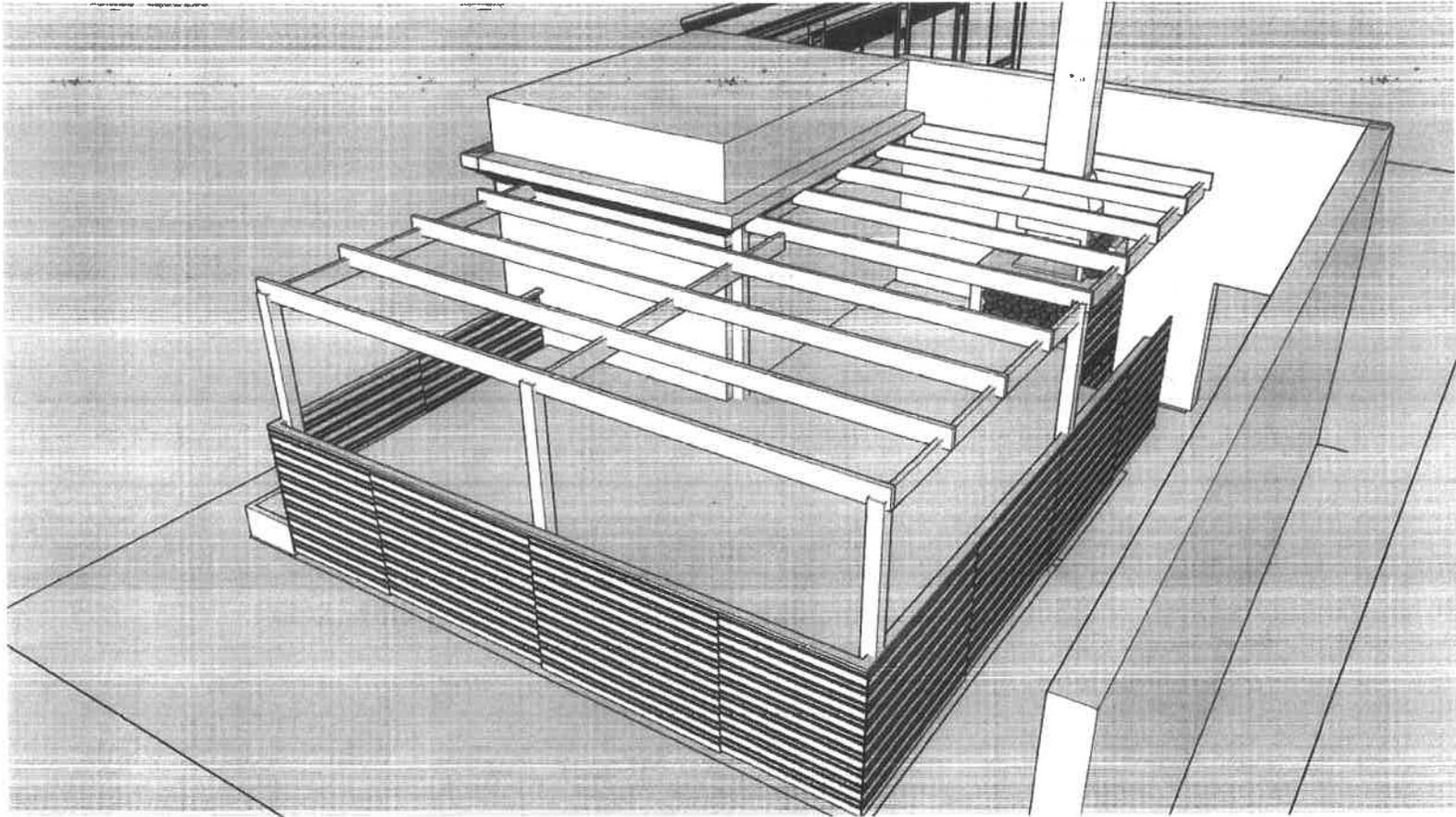
Exhibit D5



Hen of the Wood Waterbury

SCOTT KESTER DESIGN

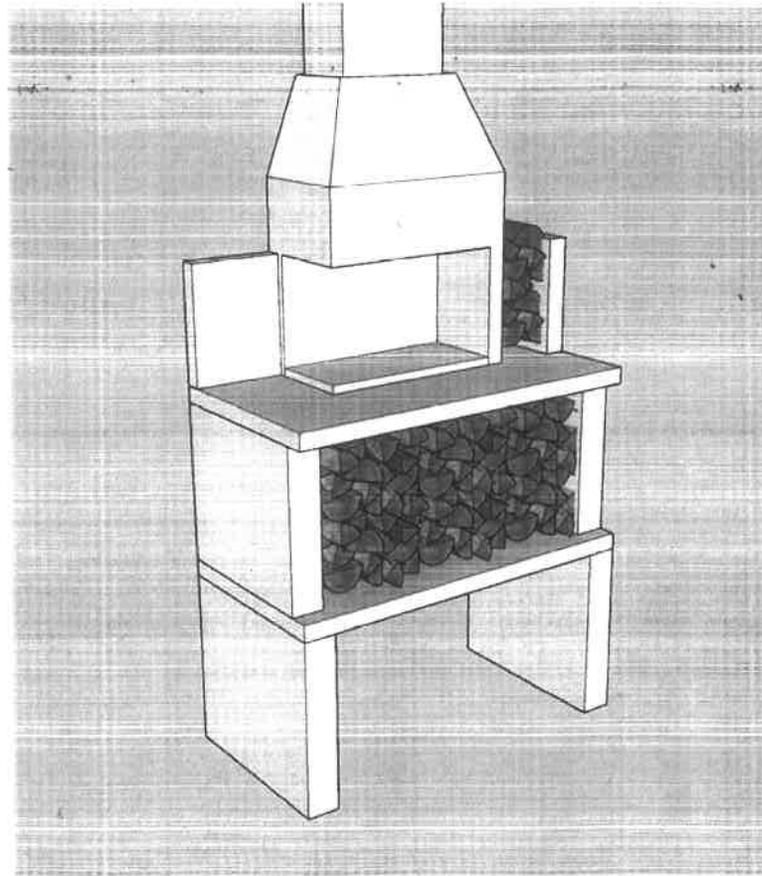
Exhibit D6



Hen of the Wood Waterbury

SCOTT KESTER DESIGN

Exhibit D7



Hen of the Wood Waterbury

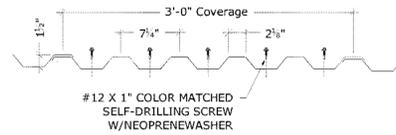
SCOTT KESTER DESIGN

Exhibit E1

7.2 Rib Panel

Due to its 1 1/2" deep profile, the 7.2 Rib Panel has excellent spanning capabilities, making it an economical choice with a high strength to cost ratio.

- Material: 24ga steel standard, other gauges may be available.
- Length: Up to 30'. Extra charges may apply for lengths shorter than 4'.
- Attachment: Exposed fasteners, color matched to panel.
- Finish: Factory applied Kynar.
- Colors: Choose from standard color chart.
- Warranty: 20 years.
- Installation: Orient vertically or horizontally. Color matched exposed fasteners.



RoofScreen
 347 Coral Street
 Santa Cruz, CA 95060
 Ph: 831-421-8230
 Toll Free Ph: 866-766-3727
www.roofscreen.com

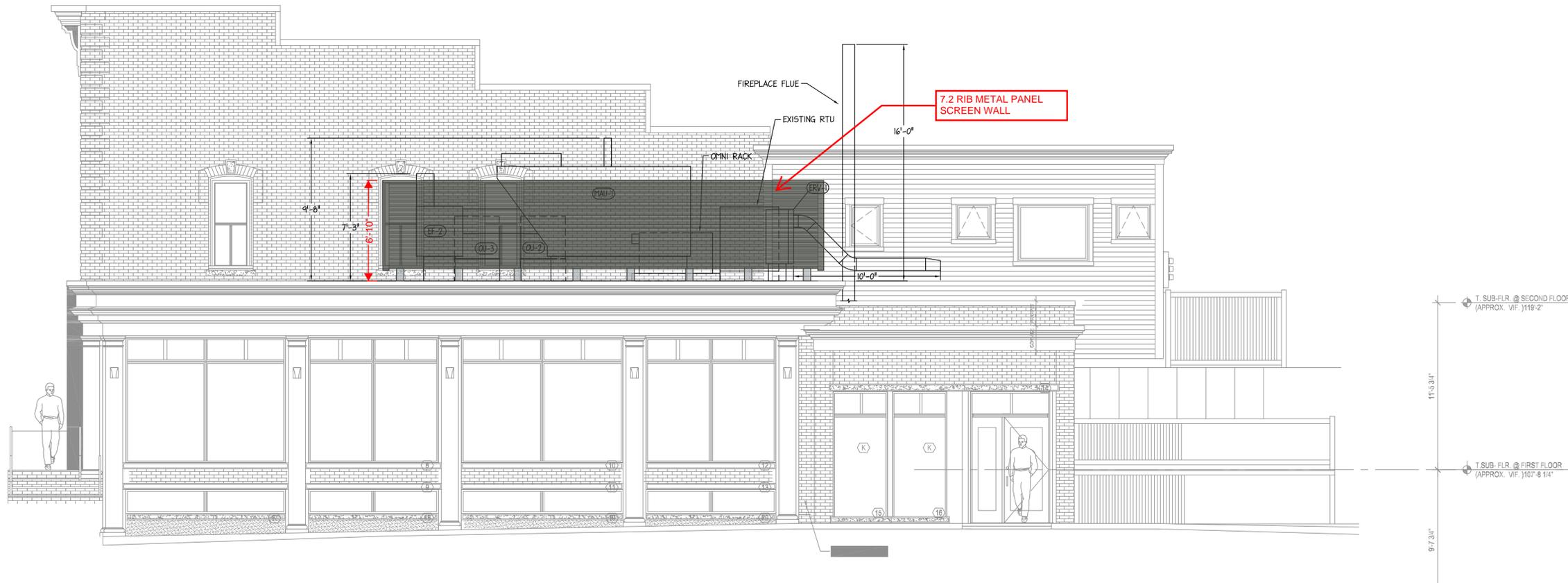
color choices ranked for preference

Standard Colors			
REGAL WHITE SR:0.66 E:0.05 SRI:92	BONE WHITE SR:0.71 E:0.05 SRI:86	SURREY BEIGE SR:0.61 E:0.06 SRI:43	SANDSTONE SR:0.54 E:0.06 SRI:63
ALMOND SR:0.59 E:0.06 SRI:41	BUCKSKIN SR:0.35 E:0.05 SRI:41	ASH GRAY SR:0.32 E:0.04 SRI:41	SLATE GRAY SR:0.41 E:0.05 SRI:47
1 CHARCOAL SR:0.32 E:0.05 SRI:32	2 MATTE BLACK SR:0.27 E:0.05 SRI:32	Deep Tone Premium Colors Additional cost will apply.	
MEDIUM BRONZE SR:0.30 E:0.07 SRI:31	DARK BRONZE SR:0.28 E:0.04 SRI:31	BRITE RED SR:0.42 E:0.04 SRI:46	REGAL BLUE SR:0.29 E:0.05 SRI:24
PATINA GREEN SR:0.35 E:0.04 SRI:34	EVERGREEN SR:0.25 E:0.04 SRI:24	Metallic Colors Additional cost will apply.	
3 MANSARD BROWN SR:0.27 E:0.05 SRI:24	4 COLONIAL RED SR:0.27 E:0.05 SRI:24	BRANDYWINE SR:0.38 E:0.06 SRI:34	PREWEATHERED GALVALUME SR:0.32 E:0.07 SRI:32
ROMAN BLUE SR:0.38 E:0.06 SRI:34	PATRICIAN BRONZE SR:0.27 E:0.05 SRI:24	SILVER METALLIC SR:0.32 E:0.07 SRI:32	LEADCOAT SR:0.37 E:0.05 SRI:38
TERRA COTTA SR:0.38 E:0.06 SRI:34	GALVALUME® PLUS SR:0.38 E:0.05 SRI:34	TEXAS SILVER METALLIC SR:0.38 E:0.05 SRI:34	COPPER PENNY METALLIC SR:0.41 E:0.05 SRI:47
CHAMPAGNE METALLIC SR:0.38 E:0.05 SRI:34			

SR = Solar Reflectance Value E = Thermal Emittance Value SRI = Solar Reflectance Index



The 7.2 Rib panel in a horizontal application with 5x5 corner trim.



1 EAST ELEVATION
 1/4" = 1'-0"

PRELIM.
 DRAWING
 NOT FOR
 CONSTRUCTION



HEN OF THE WOOD
 WATERBURY, VERMONT

NO.	DATE	REVISION
1	12/10/21	SUBMITTAL REVIEW
2	02/08/22	SUBMITTAL REVIEW
3	02/17/22	MECH. REV.
4	03/28/22	MECH. REV.
5	04/05/22	MECH. REV.
5	04/06/22	MECH. REV.

PROJECT #: 20308
 DRAWN: LNC
 CHECKED: LNC
 DATE: APRIL 07, 2022
 SCALE: AS NOTED

EAST ELEVATION
 PARKING LOT
 VIEW

SK-1

Exhibit E2



PRODUCT DATA SHEET

Panel Trims
Updated 03.28.16

www.roofscreen.com

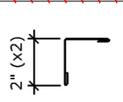
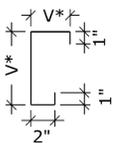
Panel Trims

Description:

Trims are designed to cover the tops, edges and corners of metal panels, and can be an effective way to enhance the aesthetic value of a project.

Specifications:

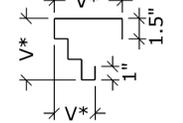
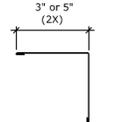
- Material: 24ga steel is standard. Other gauges and materials are available upon request. Trim material should match the panels being used on the project.
- Length: 10' sections.
- Fasteners: Self-drilling Tek screws. When exposed, the heads are color matched to the trim color.
- Colors: Typically, the trim will match the panel color. However, trims can be ordered in other colors if desired.
- Finish: Factory applied Kynar is standard.
- Warranty: 20 years.

Trim Details		
Trim Name	Drawing <small>*V indicated varies by Panel Type</small>	Attachment Detail
Standard Trim Cap		COLOR MATCHED SELF DRILLING SCREW THROUGH FACE OF TRIM CAP INTO PANEL @ 3.3' O.C. PANEL
Box Trim Cap		SELF DRILLING SCREW THROUGH TOP LEG OF TRIM CAP INTO BACK OF PANEL @ 3.3' O.C. SELF DRILLING SCREW THROUGH BACK OF PANEL INTO BOTTOM LEG OF TRIM CAP @ 3.3' O.C. PANEL

PRODUCT DATA SHEET

Panel Trims
Updated 03.28.16

www.roofscreen.com

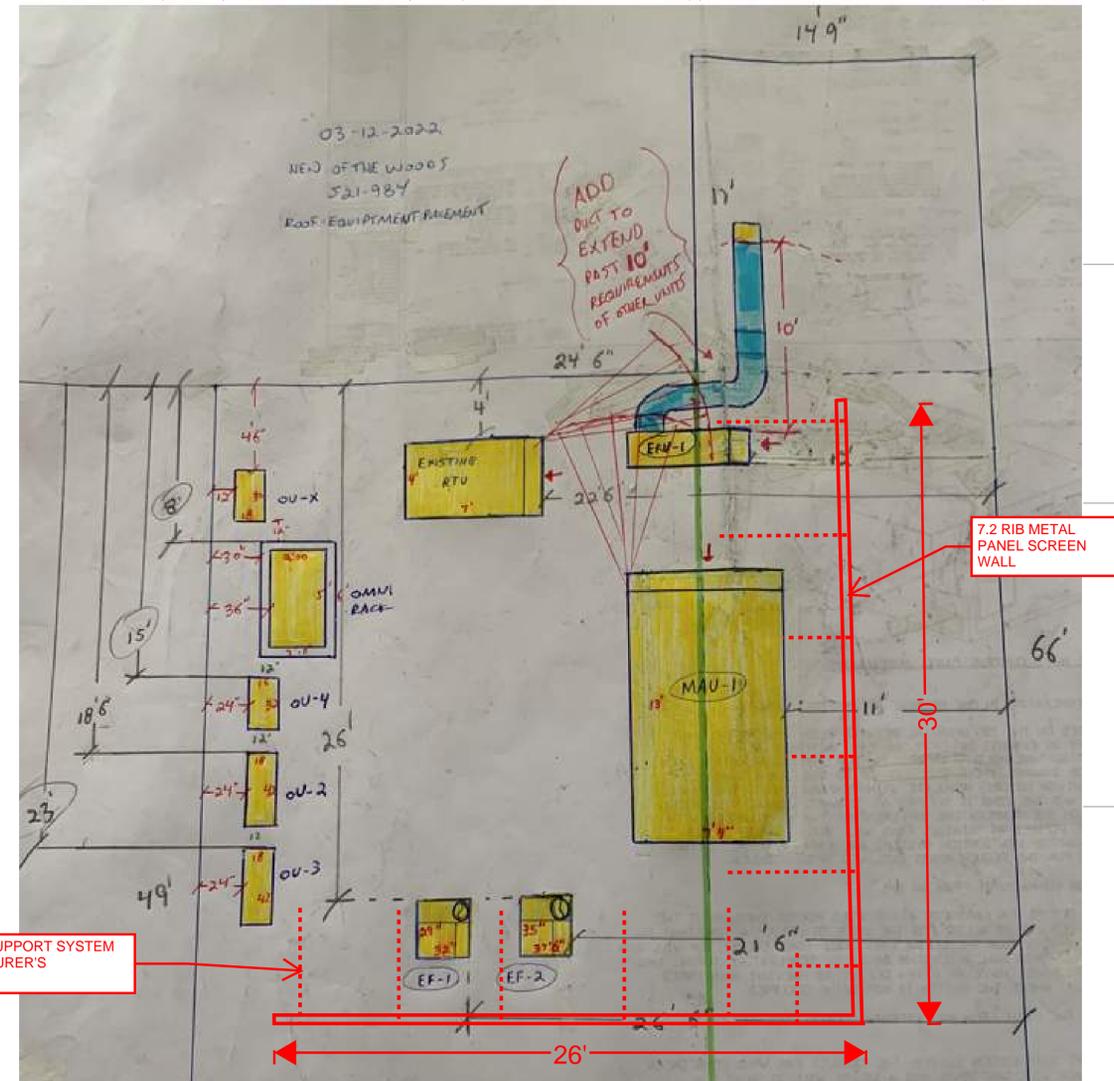
Trim Details		
Trim Name	Drawing <small>*V indicated varies by Panel Type</small>	Attachment Detail
Stepped Trim Cap		SELF DRILLING SCREW THROUGH TOP LEG OF TRIM CAP INTO BACK OF PANEL @ 3.3' O.C. SELF DRILLING SCREW THROUGH BACK OF PANEL INTO BOTTOM LEG OF TRIM CAP @ 3.3' O.C. PANEL
Corner Trim		COLOR MATCHED SELF DRILLING SCREW INTO PANEL @ 12' O.C. PANEL

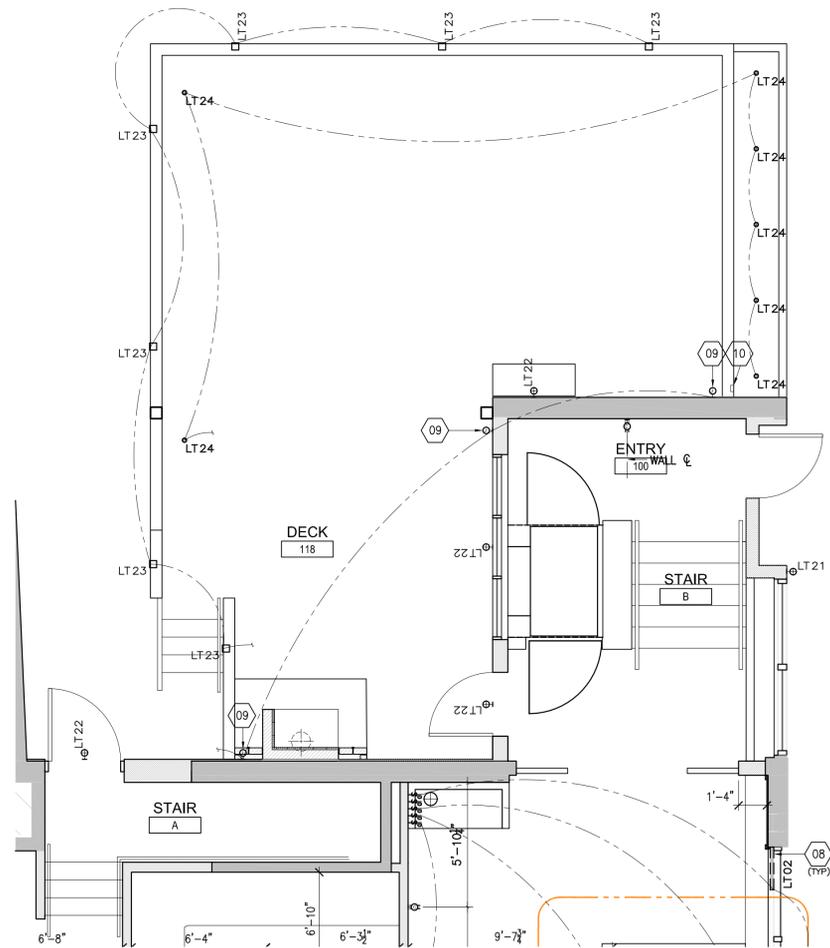
Installation:

Trims are fastened with either rivets or tek screws. When fastened through the front of the trim, color matched fasteners should be used. Fastener quantity and method for attaching trim varies by type (see attachment details above). Trims are supplied in 10' lengths. Mitters and end laps should be field performed by trimming, notching and forming as required.

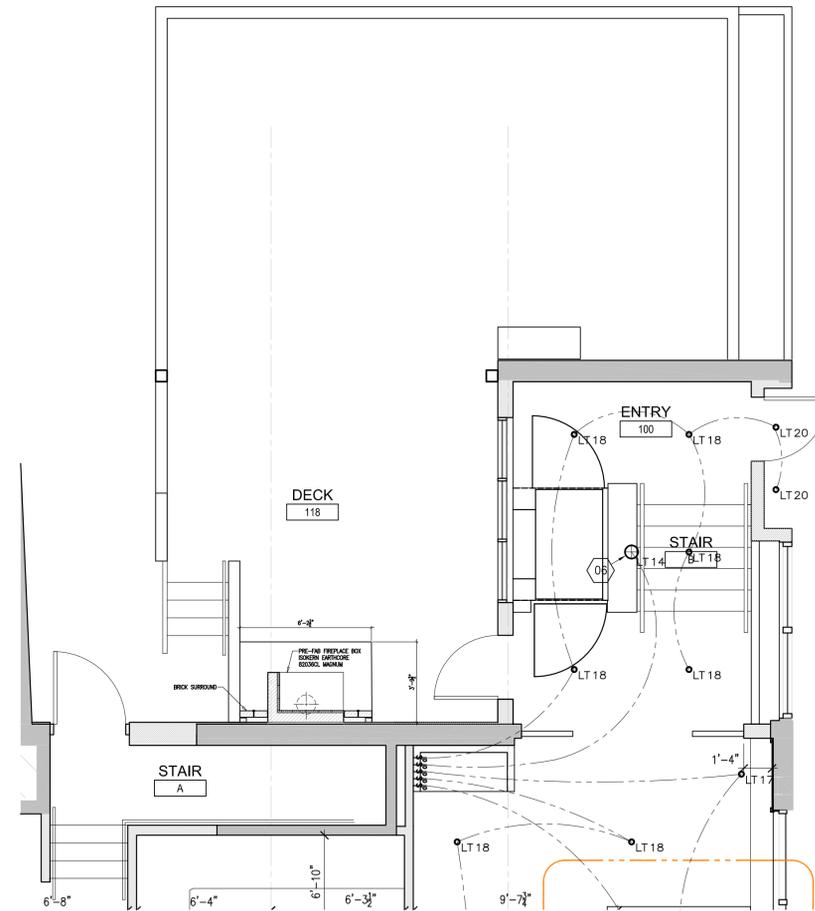
Warranty:

When RoofScreen provides project design and engineering calculations, a 20 year limited warranty is included.





02 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



01 PARTIAL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

KEY NOTE

- 01 FIXTURE MOUNTED BELOW MILLWORK SHELVING. FEED FROM WALL.
- 02 FIXTURE MOUNTED IN MILLWORK SHELVING. FEED FROM WALL.
- 03 FIXTURE MOUNTED IN MILLWORK. COORDINATE WITH MILLWORK INSTALL.
- 04 INSTALL STEP LIGHT 18" AFF.
- 05 DIMMERS, OR DIMMING CONTROL PANEL, LOCATION.
- 06 FIXTURE LOCATED IN CENTER OF ROOM.
- 07 FIXTURE MOUNTED UNDER BAR TOP.
- 08 FIXTURE MOUNTED IN MILLWORK TRIM AT WINDOW SILL.
- 09 JUNCTION BOX FOR SEASONAL FIXTURES 90" AFF.
- 10 PROVIDE POWER SUPPLY FOR LOW VOLTAGE PLANTER FIXTURES.
- 11

GENERAL NOTES

- 1. UNLESS OTHERWISE NOTED INSTALL CLOCK OUTLETS AT 66" AFF.

LEGEND

- LD SWITCH FIXTURES AT LOCAL DIMMERS. DO NOT ADD TO DIMMING PANEL.
- DB DIMMING CHANNEL. SEE FIXTURE SCHEDULE.
- HC CLOCK OUTLET.



SCOTT KESTER DESIGN

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WATERBURY
HEN OF THE WOOD
14 SOUTH MAIN STREET
WATERBURY, VERMONT

REVISIONS

NO.	DATE	DESCRIPTION
01	4/05/2022	NEW SOFFIT FOR DUCT
02	4/15/2022	FURNITURE PLAN CHANGE
03	4/21/2022	FLOOR FINISH CHANGE
04	4/29/2022	MATERIAL CHANGES

CONSTRUCTION ISSUE

EXTERIOR DECK LIGHTING

PROJECT NO. 1907 DRAWING DATE 6/09/2022

FIRST FLOOR
ID-31.01

Exhibit G1

6/8/2022

HEN OF THE WOOD LIGHT FIXTURE SCHEDULE

Scott Kester Design

GENERAL NOTI COMPLY WHEN APPLICABLE

- . ALL FIXTURE TYPES ARE PROVIDED AS SAMPLES.
- FINAL LAMP WATTAGE AND BEAM SPREADS TO BE DETERMINED.
- PROVIDE A PROVISION FOR DIMMING CONTROL SYSTEM. ALL LIGHTING FIXTURES TO BE DIMMABLE. PROVIDE DIMMING BALLASTS & DRIVERS WHERE APPLICABLE.
- ELECTRICAL CONTRACTOR RESPONSIBLE FOR ALL CONCRETE WORK FOR FIXTURES MOUNTED IN CONCRETE WALLS AND/ OR CEILING.
- CONTRACTOR TO COORDINATE LAMP LENGTHS FOR CONTINUOUS ILLUMINATION.
- . USE NOMINAL 48" LONG UNIT WHEREVER POSSIBLE AND NOMINAL LONG 36" UNIT WHERE REQUIRED TO COMPLETE RUN.
- LAMPS TO COME WITHIN 3" OF END OF ARCHITECTURAL COVE/SLOT.
- FURNISH TRACKS IN LENGTHS AS INDICATED ON ARCHITECTURAL DRAWINGS
- ELECTRICAL ENGINEER TO VERIFY IP RATINGS REQUIRED FOR FIXTURES AND ADVISE WHICH CODES ARE APPLICABLE.
- CONTRACTOR TO VERIFY ALL FIXTURES SATISFY LOCAL CODE AND CERTIFICATION REQUIREMENTS.
- . ELECTRICAL ENGINEER TO COORDINATE VOLTAGE.
- ELECTRICAL CONTRACTOR TO FURNISH WITH ALL NECESSARY FEEDS, SPLICES, CONNECTIONS, ETC., AS REQUIRED FOR A COMPLETE INSTALLATION.
- CUSTOM COLOR FINISH TO MATCH SAMPLE PROVIDED BY ARCHITECT; SAMPLE TO BE APPROVED BY ARCHITECT .
- . DIMMING BALLASTS MUST BE LUTRON HI-LUME 1% DIMMING BALLASTS OR EQUAL.
- . REMOTE TRANSFORMERS MUST BE Q-TRAN HI-PERFORMANCE TOROIDAL TRANSFORMERS.
- . CONTRACTOR TO PROVIDE ELECTRONIC TRANSFORMERS ONLY.
- CONTRACTOR TO PROVIDE ELECTRONIC, HIGH-POWER FACTOR BALLASTS ONLY.
- . CONTRACTOR TO COORDINATE SIZING OF REMOTE TRANSFORMERS AND APPROPRIATE SECONDARY WIRING TO PREVENT UNACCEPTABLE VOLTAGE DROP.
- CONTRACTOR TO FURNISH FIXTURE WITH -20°F STARTING BALLAST FOR ALL EXTERIOR FLUORESCENT AND METAL HALIDE FIXTURES.
- VENT REMOTE TRANSFORMERS AS REQUIRED.
- CONTRACTOR TO PROVIDE WET LOCATION, WELL VENTILATED, & ACCESSIBLE ENCLOSURE.
- SUBMIT SHOP DRAWINGS OF MODIFIED OR CUSTOM LIGHTING FIXTURES INDICATING DIMENSIONS, WEIGHTS, METHODS OF ASSEMBLY, COMPONENTS, FEATURES, AND ACCESSORIES FOR APPROVAL BY LIGHTING DESIGNER.
- SUBMIT SPECS, CUTS, AND SAMPLE FOR PROPOSED EQUIVALENT LIGHTING EQUIPMENT FOR APPROVAL BY DESIGNER.
- SUBMIT SAMPLE FOR FIXTURES WITH MODIFICATIONS FOR APPROVAL BY LIGHTING DESIGNER.
- ALL EXTERNAL HARDWARE TO BE STAINLESS STEEL TO PREVENT CORROSION AND RESIST HARSH WEATHER ELEMENTS.

*	CONTROL GEAR:	**LOAD TYPE:	7/26/2021 ISSUE DATE
IMT	INTEGRAL MAGNETIC TRANSFORMER	CC	COLD CATHODE
IET	INTEGRAL ELECTRONIC TRANSFORMER	F	FLUORESCENT
RMT	REMOTE MAGNETIC TRANSFORMER	FN	FLUORESCENT NON-DIM
RET	REMOTE ELECTRONIC TRANSFORMER	HAL	HALOGEN
IMB	INTEGRAL MAGNETIC BALLAST	HID	HIGH INTENSITY DISCHARGE
IEB	INTEGRAL ELECTRONIC BALLAST	INC	INCANDESCENT
IDB	INTEGRAL DIMMING BALLAST	LED	LIGHT EMITTING DIODE
RMB	REMOTE MAGNETIC BALLAST	LPS	LOW PRESSURE SODIUM
REB	REMOTE ELECTRONIC BALLAST	LVE	LOW-VOLTAGE ELECTRONIC
RDB	REMOTE DIMMING BALLAST	LVM	LOW-VOLTAGE MAGNETIC
IPS	INTEGRAL POWER SUPPLY / DRIVER	TRK	LINE-VOLT TRACK
RPS	REMOTE POWER SUPPLY / DRIVER	NEON	NEON

PROJECT SPECIFIC NOTES:

1. FIXTURE MOUNTED ABOVE SUSPENDED CEILING TO EXISTING STRUCTURE OR DROPPED SOFFIT.
2. DIMMING SYSTEM IS STRONGLY RECOMMENDED. DIMMING SYSTEM SUCH AS A CRESTON GREENLIGHT INTEGRATED LIGHTING SYSTEM OR LUTRON GRAPHIC EYE IS SUGGESTED.
3. ELECTRICAL ENGINEER RESPONSIBLE FOR ALL CODE COMPLIANCE AND TITLE 24 CALCULATIONS AND SUBMITTAL.
4. EMERGENCY LIGHTING: WE STRONGLY SUGGEST TO COMBINE AND INTEGRATE THE EM SYSTEM WITH THE FRONT OF HOUSE LIGHTING VIA A SMALL INVERTER SUCH AS IOTA.
5. ALL NON-LED FIXTURES SHALL BE FURNISHED WITH A MAXIMUM WATTAGE LABEL FROM THE MANUFACTURER.
6. ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED POWER SUPPLY.
7. LOCAL DIMMERS SEE PLAN FOR LOCATIONS
8. ELECTRICAL CONTRACTOR TO DETERMINE PROPER DIMMING OPTION SO THAT DIMMING COMPONENT IS SUITABLE FOR DIMMING EQUIPMENT INSTALLED.

Exhibit G2

6/8/2022

HEN OF THE WOOD
LIGHT FIXTURE SCHEDULE

Scott Kester Design

LOCATION	FIXTURE TYPE	CUSTOM / MODIFIED	PROVIDED BY	DESCRIPTION	MATERIALS / FINISH COLOR	CONTROL GEAR *	LOAD TYPE **	MANUFACTURER/ CATALOG NO. OPTIONS	LAMP QTY.	LAMP TYPE	EXTENDED WATTAGE [VA]	UNITS (EACH / PER LINEAR FOOT)	VOLTAGE [V]	NOTES (SEE ABOVE)	COMMENTS	LINEAR FEET	QUANTITY / LF (final quantity by others)	PRELIMINARY LOAD (to be verified by EE)	CONTROL INTENT
ENTRY DOOR	LT20		CFCI	RECESSED SPOT	BLACK	IPS	LED	INTENSE LEVITON GD2DR 2" GRAVITY LED DOWNLIGHT GD2DRRCL127D101NF IRDT200BSF+PFL2-45	1	2700K WARM WHITE 10W NARROW FL	10.00	EA	120	8	HEX LOUVER REMODEL HOUSING	NA	1	10	LOCAL DIMMER
ENTRY SCONCE	LT21		OFCI	WALL SCONCE SHEPHERD'S HOOK	BLACK/ COPPER	NA	LED	REJUVENATION CARSON 16" SHEPHERD'S HOOK A7253	1	10W E26	10	EA	120	---	---	NA	1	10	NOT DIMMED
DECK DOOR SCONCE	LT22		OFCI	WALL SCONCE PORCH LIGHT	OIL-RUBBED BRONZE	IPS	LED	REJUVENATION DOLMAN SMALL SCONCE A4170	1	3000K LED 6W	6	EA	120	---	---	NA	4	24	NOT DIMMED
PATHWAY	LT23		CFCI	STEP LIGHT WALL MOUNT	BLACK	IPS	LED	HYDREL ACUITY STEP LIGHT HSL13-3INCH-LED-27K-MVOLT-L- MIN5-SGB	1	2700K LED 3W	3	EA	120	8	---	NA	7	21	NOT DIMMED
PLANTERS	LT24		CFCI	PLANTER UPLIGHT SPIKE MOUNT	BLACK	RPS	LED	COPPER LUMIERE CAMBRIA 203 FL 203FL-8LED2725-12-BK +GS01	1	8W LED 2700K 25 DEGREE NARROW FL	8	EA	120	---	GROUND SPIKE	NA	7	56	LOCAL DIMMER

GD2DR

2" Gravity LED Downlight

ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumens*	System Wattage**
L1	850lm @ 3000K / 82CRI	10 Watts
L2	1200lm @ 3000K / 82CRI	15 Watts
L3	1500lm @ 3000K / 82CRI	20 Watts

* Delivered Lumens will vary depending on CCT, CRI, optic and reflector finish.
 ** System Wattage includes driver and LED Module consumption.

FEATURES

- Dedicated High performance 7° Narrow Spot
- Field changeable 16° to 60° Optics
- Integral field changeable accessory holder
- In-field adjustable module height accommodates 1/2" to 1-1/4" ceiling thickness

LED LIGHT ENGINE

- 10W, 15W & 20W
- 7° Optic: 3 SDCM, 92CRI in 2700K, 3000K & 3500K
- 16° to 60° Optics: 2 SDCM, 82/92CRI in 2700K, 3000K, 3500K & 4000K
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

OPTICS

- Dedicated 7° Narrow Spot
- Field changeable 16° Spot, 24° Narrow Flood, 36° Flood, 48° Wide Flood and 60° Very Wide Flood
- Accepts (2) field changeable filter media

ELECTRICAL SYSTEM

- 120V/277V input; Power factor >.9, 50/60Hz
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.

HOUSING

- Heavy duty black powder coated 18 gauge steel frame
- Accommodates 1/2" to 1-1/4" Ceilings
- Integral driver compartment with below ceiling access

EMERGENCY BACKUP

- Remote test switch included. External Battery operates LED load @ 7-25 nominal delivered Lumens. Servicing requires above ceiling access.
- Available with IC and AIC housings only.

INSTALLATION

- IC and Non-IC Rated housing types, must specify. (Remodel housings are Non-IC only) Non-IC rated housings must be kept at a minimum of 3" away from insulation
- Remodel housings requires 5-1/2" of plenum space for installation and servicing.
- Adjustable (10-3/4" to 25") joist/grid ceiling bar hangers included (Hanger bars do not allow for height adjustments)

REFLECTOR

- Specification grade 1.0mm spun aluminum reflector
- Deep cone option for maximum visual comfort and 15° of adjustability
- Reflector available in black, white, haze and wheat finishes (Consult factory for other finishes)
- Architectural, discrete polished self flange (Note: Not available with trimless trims)

DIMMING

- Phase dimming, Forward 1% & Reversed 5% (120V only)
- 0-10V 1% Dimming 1%
- EdoLED SOLDrive 0-10V 0.1%
- EdoLED ECOdrive 0-10V 1%
- Lutron® LBE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron® LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)

REMOTE BOX

- Remote box included when required by specification (EdoLED or Lutron dimming option). Available with IC and AIC housings only.
- Above ceiling access required for servicing
- Galvanized steel construction with separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

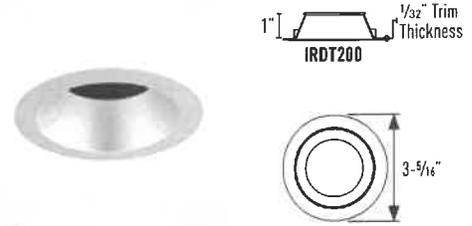
LISTING / WARRANTY

- 5-Year Intense LED Limited Warranty
- ETL Listed to US and Canadian standards for damp locations
- (-IC / -AIC Only) ETL listed for direct contact w/insulation
- (-AIC Only) Air-Tight Certified ASTM E283.
- (-IC Only) Can be used to comply with Title 24, Part 6, JAB high efficacy LED light source requirements



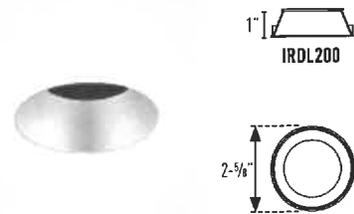
JOB NAME	Hen WB	CATALOG NUMBER	
NOTES		TYPE	

Trimmed Reflectors

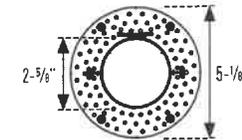


Ceiling Cutout: 2-7/8"

Trimless Reflectors

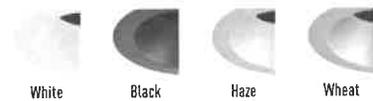


Ceiling Cutout: 2-7/8"



Trimless Mud Flanged: Perforated collar for seamless and trimless mounting. Must be ordered separately and can only be used in conjunction with trimless trims.

Available Trim Finishes



Housing Part Number: [Example: GD2DRNCL1279DIMSP]

Housing	Installation Type	Wattage	CCT / CRI	Dimming	Voltage	Optic	Options
<input type="checkbox"/> GD2DR	<input type="checkbox"/> NC (New Cons Non-IC)	<input type="checkbox"/> L1 (10W)	<input type="checkbox"/> 27 (2700K / 82CRI)	<input type="checkbox"/> DIM ¹ (Phase Dimming)	<input type="checkbox"/> blank (120V)	<input type="checkbox"/> NS ⁴ (7° NSP)	<input type="checkbox"/> EM7 ^{1,5,6} (7W Emergency Backup IOTA part #ILB-CP07-A)
	<input type="checkbox"/> NIC ¹ (New Cons IC-Rated)	<input type="checkbox"/> L2 (15W)	<input type="checkbox"/> 279 (2700K / 92CRI)	<input type="checkbox"/> D101 (0-10V Dimming 1%)	<input type="checkbox"/> 27 (277V)	<input type="checkbox"/> SP (16° SP)	
	<input type="checkbox"/> NAIC ¹ (New Cons Air-Tight IC)	<input type="checkbox"/> L3 (20W)	<input type="checkbox"/> 30 (3000K / 82CRI)	<input type="checkbox"/> ED10V1 ^{1,3} (EdoLED 0-10V 1%)		<input type="checkbox"/> NF (24° NFL)	
	<input type="checkbox"/> RC (Remodel Non-IC)		<input type="checkbox"/> 309 (3000K / 92CRI)	<input type="checkbox"/> ED10V01 ^{1,3} (EdoLED 0-10V 0.1%)		<input type="checkbox"/> FL (36° FL)	
			<input type="checkbox"/> 35 (3500K / 82CRI)	<input type="checkbox"/> LUT ^{1,3} (Lutron® LDE1 EcoSystem 1%)		<input type="checkbox"/> WF (48° WFL)	
			<input type="checkbox"/> 359 (3500K / 92CRI)	<input type="checkbox"/> LUT2 ^{1,2,3} (Lutron® LTEA2W 2-Wire 1%)		<input type="checkbox"/> VF (60° VFL)	
			<input type="checkbox"/> 40 (4000K / 82CRI)				
			<input type="checkbox"/> 409 (4000K / 92CRI)				

Reflector Part Number: [Example: IRDT200W-SF]

Reflector	Reflector Finish	Trim
<input type="checkbox"/> IRDT200 (1" Regress Trim)	<input type="checkbox"/> W (White)	<input type="checkbox"/> -SF (Self Flanged)
<input type="checkbox"/> IRDL200 ⁴ (1" Regress Trimless)	<input type="checkbox"/> B ⁷ (Black)	<input type="checkbox"/> blank ⁴ (Trimless)
	<input type="checkbox"/> HZ (Haze)	
	<input type="checkbox"/> WHT ⁷ (Wheat)	

Optional Accessory

- GD2R-MR⁴ Round Trimless Mud Ring

Filter Media

- PFL2-45 Hex Louver
- PFL4-45 Soft Focus Film
- PFL-LS-45 Linear Spread

Notes:

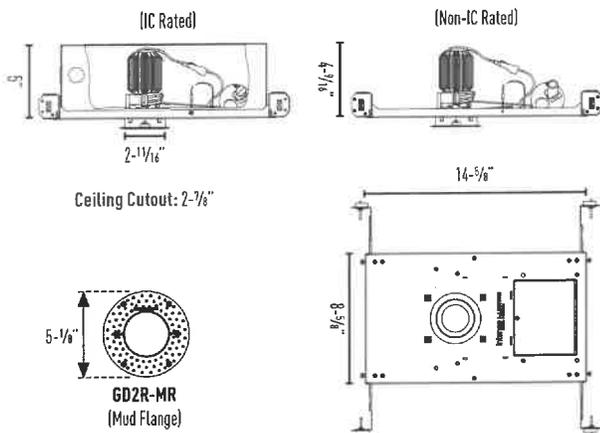
1. Not available with L3
2. Available in 120V only
3. Remote driver box required for EdoLED, Lutron and EM back up. Compatible with IC and AIC rated housings only.
4. 7° Narrow spot not available in L3, 4000K or 82CRI.
5. Emergency backup available with IC and AIC housings only
6. Trimless options are for use with mud ring accessory only
7. Consult factory for lead times

GD2DR

2" Gravity LED Downlight

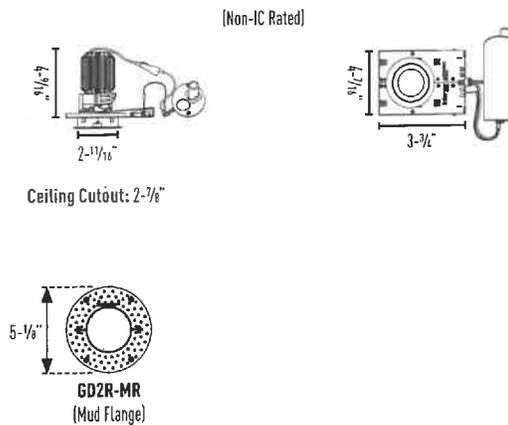
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

New Construction Dimension (IC & Non-IC):



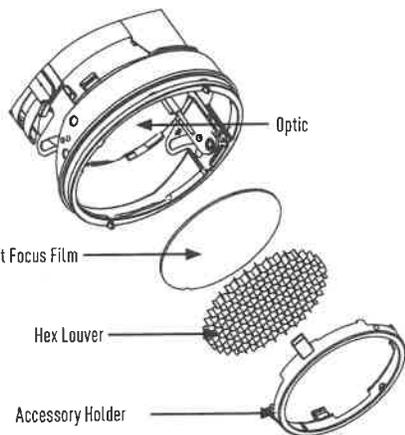
Remodel Dimension (Non-IC):

Remodel housings requires 5-1/2" of plenum space for installation and servicing.



Optics

Dedicated 7° Narrow Spot with Field changeable 16° to 60° Optics



- IP-OP45NS (7° Narrow Spot)
- IP-OP45SP (16° Spot)
- IP-OP45NF (24° Narrow Flood)
- IP-OP45FL (36° Flood)
- IP-OP45WF (48° Wide Flood)
- IP-OP45VF (60° Very Wide Flood)

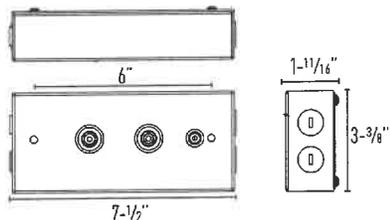
Accessories

- PFL2-45 Hex Louver
- PFL4-45 Soft Focus Film
- PFL-LS-45 Linear Spread

Remote Mounted Driver

(For use with IC/AIC housings with eldoLED or Lutron dimming option)

- Remote box included when required by specification (eldoLED or Lutron dimming option). Available with IC and AIC housings only.
- Above ceiling access required for servicing
- Galvanized steel construction with separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum



Remote Driver Box For Dimming Options

- eldoLED 0-10V 1%
- eldoLED 0-10V 0.1%
- Lutron® LDE1 EcoSystem 1%
- Lutron® LTEA2W 2-Wire 1%

Note: Wires for class 2 LED driver require a minimum of 18 awg wire at a maximum of 50 feet length per local and national electrical regulations.

GD2DR

2" Gravity LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IRDT200WL2

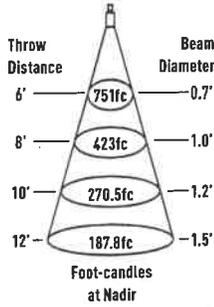
7° Narrow Spot

Report #: ILL-20190114-1 (7)

LED PACKAGE MULTIPLIERS:
IRDT200WL1 (x 0.84)

IRRT200 (5/8" REGRESS)
Trim Multiplier (x 0.99)

CCT MULTIPLIERS:
82CRI
2700K (x 0.93)
3000K (x 1.00)
3500K (x 1.00)



Watts: 16 LPW: 43.2
Lumens: 691 CCT: 3000K

Intensity	
Degree	CBCP
0°	27046
5°	6652
15°	380
25°	69
35°	17
45°	7

IRDT200WL3

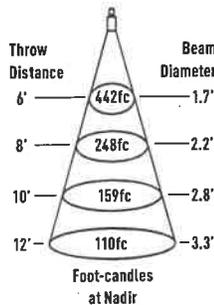
16° Spot

Report #: ILL-20190114-1 (16)
ILL-20190114-1 (24)
ILL-20190114-1 (36)
ILL-20190114-1 (48)
ILL-20190114-1 (60)

LED PACKAGE MULTIPLIERS:
IRDT200WL1 (x 0.58)
IRDT200WL2 (x 0.82)

IRRT200 (5/8" REGRESS)
Trim Multiplier (x 0.99)

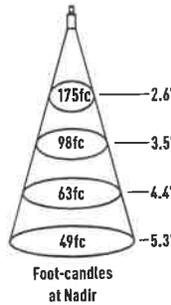
CCT MULTIPLIERS:
82CRI 92CRI
2700K (x 0.93) (x 0.76)
3000K (x 1.00) (x 0.87)
3500K (x 1.00) (x 0.87)
4000K (x 1.00) (x 0.87)



Watts: 20 LPW: 79.4
Lumens: 1589 CCT: 3000K

Intensity	
Degree	CBCP
0°	15914
5°	13019
15°	1498
25°	276
35°	44
45°	13

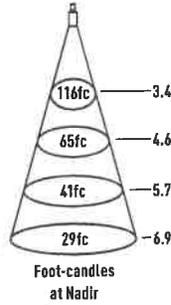
24° Narrow Flood



Watts: 20 LPW: 76
Lumens: 1527 CCT: 3000K

Intensity	
Degree	CBCP
0°	6324
5°	5589
15°	2374
25°	607
35°	148
45°	25

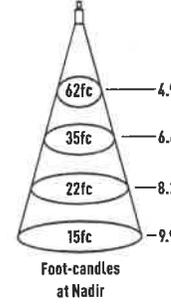
36° Flood



Watts: 20 LPW: 74
Lumens: 1497 CCT: 3000K

Intensity	
Degree	CBCP
0°	4199
5°	3903
15°	2274
25°	789
35°	233
45°	44

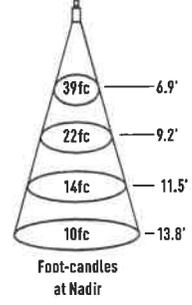
48° Wide Flood



Watts: 20 LPW: 69
Lumens: 1390 CCT: 3000K

Intensity	
Degree	CBCP
0°	2246
5°	2166
15°	1676
25°	924
35°	385
45°	103

60° Very Wide Flood



Watts: 20 LPW: 66
Lumens: 1333 CCT: 3000K

Intensity	
Degree	CBCP
0°	1435
5°	1393
15°	1242
25°	921
35°	504
45°	170

LT-21

REJUVENATION



Carson 16" Shepherd's Hook Wall

Sconce

Matte Black / Copper Interior

Item #A7253

<http://www.rejuvenation.com/s/18ifm>

Specification	Detail
Item #	A7253
Overall Width	16"
Overall Height	26"
Projection	26"
Socket Count	1
Max Wattage	300w per socket
UL Location Rating	Wet
Backplate Width	5"
Backplate Height	18"
Shade Only Diameter	16"
Arm Only Projection	18"
Arm Pipe Diameter	1-1/16"
Wire Length	Wiring exits from the arm in the back of mounting plate 2.5" up from the bottom of the mounting plate.

LT-22

REJUVENATION

Doleman Small Dome LED Wall Sconce

Oil-Rubbed Bronze

Item #A4170

<http://www.rejuvenation.com/s/1c2do>



Specification	Detail
Item #	A4170
Fixture Width with Shade	4 1/2"
Length / Height with Shade	4 1/2"
Adjustable Height	No
Projection with Shade	4"
Shade Dimensions	3" dia, 3 1/2" H
Canopy/Base Diameter	4 1/2"
Fixture Weight	2.8 lbs.
Socket Type	Integrated LED
Dimmable	No
Voltage	120V
Power Source	hardwired
Bulb Included	No
Articulating	Yes
UL Listing	Wet
Max. Wattage Per Socket	6W
Lumen	420
Kelvins	3000K
Lifespan	>30,000 hours

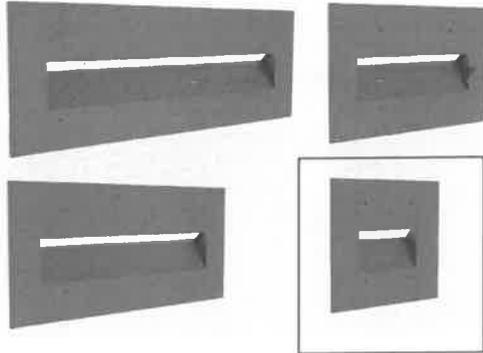


CATALOG NUMBER

LT-23

NOTES

TYPE



HSL13

Static White and Static Color Step Light 13

HIGHLIGHTS

- Integral Driver
- Long throw distribution
- Standard 0-10V dimming option
- Die-cast housing with solid aluminum, brass, or stainless steel faceplate
- Wet location listed
- Back Box provided by Hydrel or by others

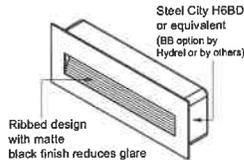
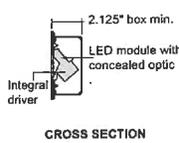
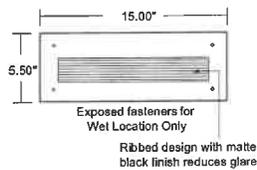
5 YEAR warranty



Buy American

DIMENSIONS

12INCH

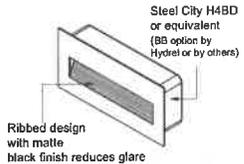
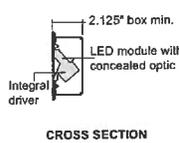
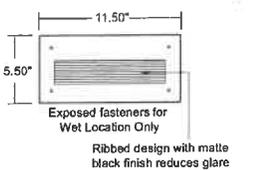


LUMEN PACKAGES

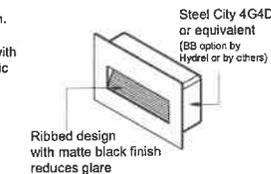
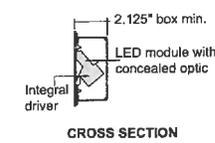
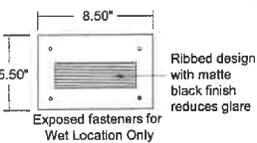
Distribution	Delivered Lumens	Input Watts	Lumens/Watt
3INCH	87	3	29
6INCH	194	5	36
9INCH	299	8	37
12INCH	386	11	37

Performance data based upon 30K LED

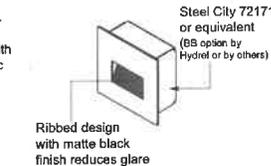
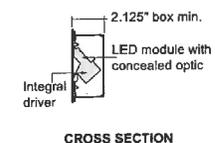
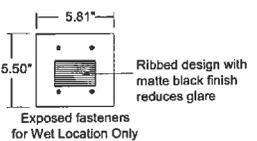
9INCH



6INCH



3INCH





LT-08

ORDERING INFORMATION

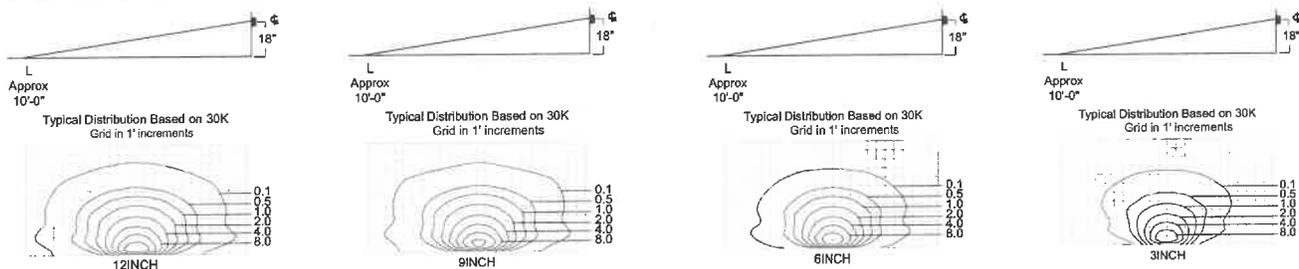
EXAMPLE: HSL13 3INCH LED 27K MVOLT L MIN5 BRB

Series*	Length*	Source*	Color Temperature*	Voltage*	Distribution*
HSL13 Step Light 13	3INCH 3" Nominal Length	LED	27K 2700K	MVOLT Multi-Volt 120V thru 277V	L Long Throw
	6INCH 6" Nominal Length		30K 3000K		
	9INCH 9" Nominal Length		35K 3500K		
	12INCH 12" Nominal Length		40K 4000K		
			50K 5000K		
			AMBPC Amber		
			BLU Blue		
			GRN Green		
			RED Red		
			CYN Cyan		
			RDO Red-Orange		

Dimming Optional	OPTION	Finish*
MIN5 Dimming Driver	BB Back Box <i>Note: Include BB if you need a back box, otherwise back box is by others.</i>	BRB Brushed Brass
		BBP Brushed Brass Paint
		BRSS Brushed Stainless Steel
		LBPS Light Bronze Paint Smooth
		PBR Polished Brass
		PSS Polished Stainless Steel
		SGB Semi Gloss Black
		SGW Semi Gloss White
		CF Custom Finish
		RALTBD Ral Paint Finishes <i>Note: RALTBD for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended that Hydrel products only use textured paint.</i>

Note: * is a required field

PERFORMANCE DATA



Expected Life: Static White LED: L70 @ 60,000 hours
Static Color LED: L70 @ 60,000 hours

Lumen Multiplier Table for CCT

CCT	Multiplier
27K	0.963
30K	1.000
35K	1.218
40K	1.153
50K	1.208

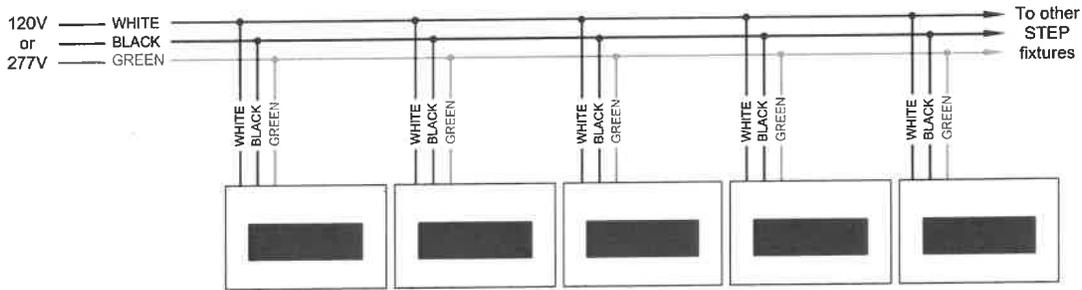


WIRING

Read all instructions before installation. Do not make live connections!

NON-DIMMING INSTALLATIONS (For non-dimming, cap off the grey and purple wires seperately)

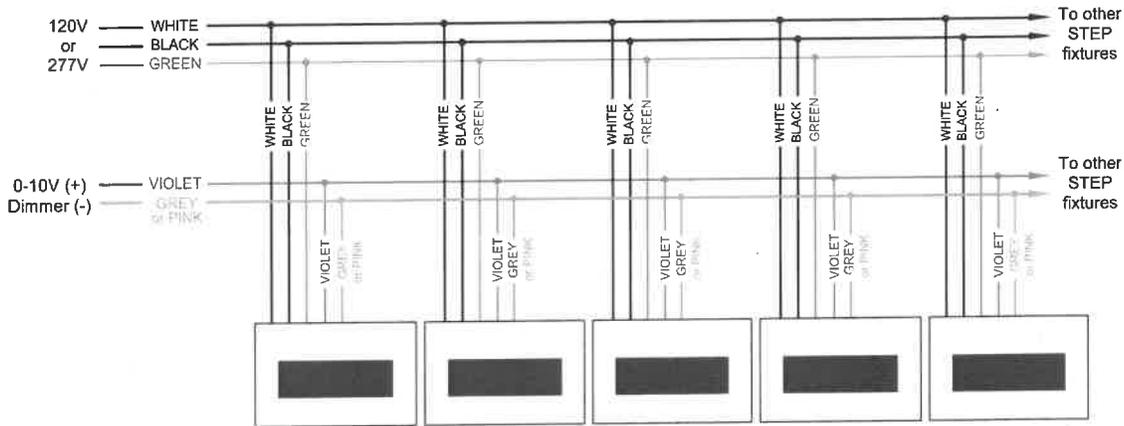
- Connect STEP WHITE wire to power NEUTRAL.
- Connect STEP BLACK wire to power HOT.
- Connect STEP GREEN wire to power GROUND.



DIMMING INSTALLATIONS

The integral dimming driver is designed to the 0-10V IEC dimming specification 60929 and is compatible with common 0-10V dimmers and dimming systems. Do NOT connect line voltage to dimming input wires.

- Connect STEP WHITE wire to power NEUTRAL.
- Connect STEP BLACK wire to power HOT.
- Connect STEP VIOLET wire to POSITIVE INPUT of Dimming Control.
- Connect STEP GREY or PINK wire to NEGATIVE INPUT of Dimming Control.





SPECIFICATIONS & FEATURES

Construction

Die-cast housing with solid aluminum, brass, or stainless steel faceplate.

Source

Light source consists of eight powerful LEDs available in five static white color temperatures & six colored LED choices. All within a 3MacAdam ellipse

Optics

A concealed optic provides a long light distribution for illumination of large areas.

Electrical

Integral electronic driver for 120 through 277v/50-60Hz input. Standard 0-10V dimming to 5%. THD: <20%. PFC: > 0.90. Complies to FCC CFR Title 47 Part 15, Class B at 120v and Class A at 277v EMI noise rating.

Mounting

HSL13 3LONG: Designed to mount to a Steel City 72171 square junction box (BB option from Hydrel or by others) or equivalent.
 HSL13 6LONG: Designed to mount to a Steel City 4G4D multi-gang junction box (BB option from Hydrel or by others) or equivalent.
 HSL13 9LONG: Designed to mount to a Steel City H4BD multi-gang junction box (BB option from Hydrel or by others) or equivalent.
 HSL13 12LONG: Designed to mount to a Steel City H6BD multi-gang junction box (BB option from Hydrel or by others) or equivalent.

Lens

Extruded clear acrylic optic lens concealed in reflector housing

Circuiting

Single circuit

Environment

Wet location.

BUY AMERICAN: This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Listing

ETL / cETL

Finish

Recessed surfaces have a ribbed design with matte black finish to reduce glare. Faceplates are available in four metal finishes with protective clear coat or one of four polyester powder coat painted finishes.

Warranty

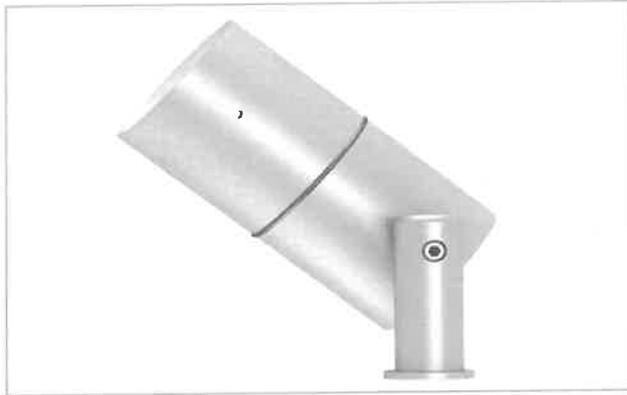
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Project	Catalog #	Type	LT-24
Prepared by	Notes	Date	



Lumière

Cambria 203

LED / Halogen
Accent / Flood

Typical Applications

- Hospitality • Commercial Landscape • Outdoor Area/Site • Residential
- Architectural

Product Certification



Product Features



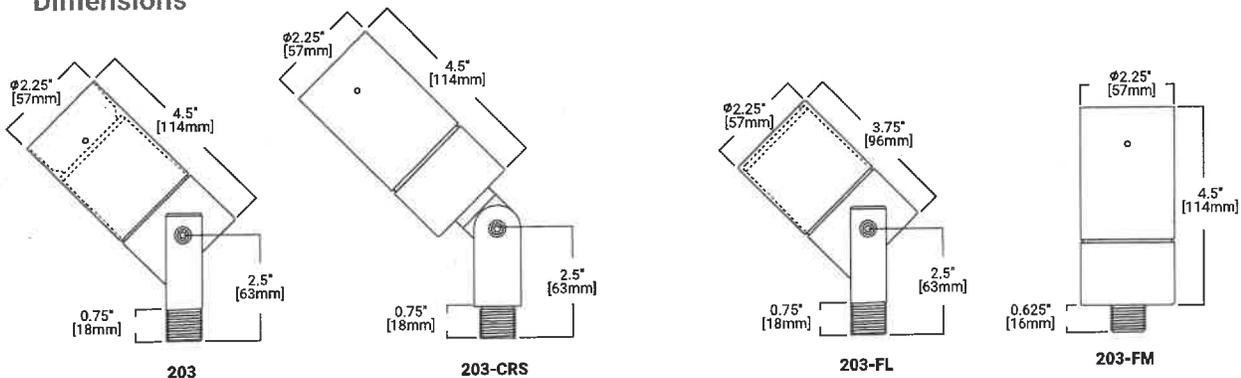
Interactive Menu

- Order Information [page 2](#)
- Cambria 203 MR16 Halogen Photometric Data [page 3](#)
- Cambria 203 LED Photometric Data [page 4](#)
- Product Warranty

Top Product Features

- 340° tilt, 360° rotation
- Precision-machined aluminum, brass, bronze, copper or stainless steel
- Stainless steel hardware
- Siphon Protection System (S.P.S.)
- Holds up to three optical accessories
- Three-year warranty

Dimensions



TECHNICAL DATA
8W LED, L70/60,000 hours at 25°C
Low Voltage: 50W Halogen MR16

Lumière

Cambria 203 LED

Order Information

SAMPLE ORDER NUMBER: 203-FL-50MR16-12-NSS

203

FL

8LED2725

12

BK

Domestic Preferences	Series	Construction	Source (for LED, select from each column and combine)	Voltage	Finish
[Blank]-Standard BAA=Buy American Act	203=LED or MR16 Cambria Accent Fixture	___=Standard Side Swivel Stem, 1/2" NPS CRS=Center Rear Swivel Stem, 1/2" NPS FM=Rear Flush Mount, 1/2" NPS FL=Flush Lens, Side Swivel Stem, 1/2" NPS	50MR16-50W max. Halogen MR16 (lamp not included) 8LED=8W LED 27=2700K 30=3000K 40=4000K* 10=10" Spot 25=25" Narrow 36=36" Wide 5LED=5W LED AM=Amber* (585-595nm) 25=25" Narrow	12=12V	Painted BK=Black BZ=Bronze CS=City Silver VE=Verde WT=White
Notes (1) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to www.ecmfg.com website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes	Notes	Notes * Not Title 20 compliant	Notes	Notes (3) Consult factory for premium/natural metals material finish.

Optical Accessories - Order Separately

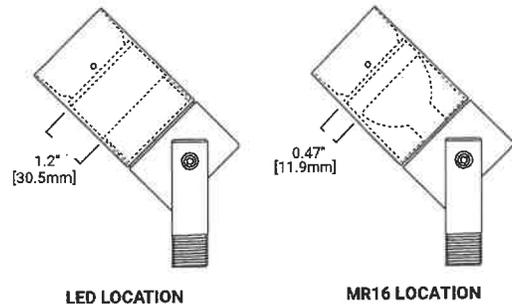
Filters (2.00" Diameter)

Optical Lenses (2.00" Diameter)

Optical Louvers

Filters (2.00" Diameter)	Optical Lenses (2.00" Diameter)	Optical Louvers (2.00" Diameter)
F71=Peach Dichroic F72=Amber Dichroic F73=Green Dichroic F74=Medium Blue F75=Yellow Dichroic F76=Red Dichroic F77=Dark Blue Dichroic F78=Light Blue Dichroic F79=Neutral Density Dichroic F80=Magenta Dichroic F22=Red Color F33=Blue Color F44=Green Color F55=Yellow Color F66=Mercury Vapor	LSL=Linear Spread Lens (elongates standard beam spread) DIF=Diffused lens (provides even illumination) OSL=Overall Spread Lens (increases standard beam spread)	LVR=45° Hex Cell Louver (reduces glare)
Notes (2) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.	Notes	Notes

Lamp or LED Module Replacement



Mounting Accessories - Order Separately

GS01

Ground Mounting

Surface / Wall Mounting

Low Voltage Tree Mounting

Ground Mounting	Surface / Wall Mounting *specify powder paint finish (BK,BZ,CS,VE,WT)	Low Voltage Tree Mounting
GS01=1-1/2" x 6-3/4" (38mm x 171mm) cast zinc ground spike GS03=2-3/8" x 6-5/8" (96mm x 168mm) aluminum ground spike with integral 12V wiring compartment. Specify powder paint finish (BK,BZ,CS,VE,WT) GS04=1" x 16-1/2" (25mm x 419mm) aluminum ground spike with integral 12V wiring compartment. Specify powder paint finish (BK,BZ,CS,VE,WT) GS05=1" x 16-1/2" (48mm x 438mm) black polycarbonate ground spike with 2"-13" height adjustment - requires fixture with extended stem. GS08=1-7/8" x 8" (48mm x 203mm) black ABS ground spike GS13=3-3/4" x 4-1/2" (95mm x 114mm) brass/stainless steel 3 prong ground spike	FS1=2-7/8" x 4-5/8" (73mm x 117mm) rectangular wall plate or box cover with single 1/2 NPS mounting hole FS2=2-7/8" x 4-5/8" (73mm x 117mm) rectangular wall plate or box cover with dual 1/2 NPS mounting holes RS1=4-1/2" (114mm) machined aluminum standard round wall plate with single 1/2 NPS mounting hole RS2=4-1/2" (114mm) machined aluminum standard round wall plate with single 1/2 NPS mounting hole TM01=2-3/16" x 1-1/2" (71mm x 38mm) round mount for installation on trees or other wood surfaces with 1/2 NPS mounting hole TM05=3-7/8" x 2" (98mm x 51mm) rectangular tree/surface mount with wiring compartment and single 1/2 NPS mounting hole	TM04=2-1/2" x 4-1/4" (64mm x 108mm) expanding tree strap with self adjusting tension release for one fixture mount. Designed for a maximum tree diameter of 24" (610mm) TM04-2=two fixture mount TM04-3=three fixture mount TM04-4=four fixture mount TR07=tree friendly ring with adjustable stand-offs. Accommodates 18"-24" (457mm - 610mm) tree diameter TR07-2=two fixture mount TR07-3=three fixture mount TR07-4=four fixture mount TR07-6=six fixture mount
Notes (3) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information	Notes	Notes (4) Available in galvanized stainless steel finish only

Lumière

Cambria 203 LED

Product Specifications

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 powdercoat paint finish, surpassing the rigorous demands of the outdoor environment
- A variety of standard colors are available

Brass, Bronze*, Copper or Stainless Steel

- 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 for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects
- Model 203, 203-CRS & 203-FM: Weep holes prevent water and mineral stains from collecting on the lens, even in the straight-up position
- Model 203-FL: 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 a high

temperature silicone o-ring gasket to prevent water intrusion

Lens

- Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock

Mounting Stem

- Model 203 and 203-FL include fully adjustable side-mounted swivel stem, providing 340° tilt and 360° rotation for easy aiming
- Center rear swivel (203-CRS) or stationary rear flush mount (203-FM) models are also available
- All models include 1/2" NPS threaded male fitting
- Stainless steel aim-locking mechanisms are standard (not available on 203-FM)
- Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires

Hardware

- Stainless steel hardware is standard to provide maximum corrosion-resistance

Socket

- Ceramic socket with 250° C Teflon® coated lead wires and GUS.3 bi-pin base.

Electrical

- Remote 12V transformer required (not included)
- Initial power draw on LED equipped fixtures is 12 watts

- When sizing transformer use 12 watts per LED fixture
- Nominal power draw after start up is 8 watts
- LEDs are more voltage sensitive than standard halogen MR16 lamps
- The LED module is designed to operate within the range 12V +/- 1.2V. Any less or more voltage can cause premature failures

Lamp

- Halogen lamp not included
- SORAA LED modules are included
- Available in three color temperatures (2700, 3000 and 4000) or Amber (585-595nm)
- Three distributions (spot, narrow, and flood)
- Both color temperature and distribution must be specified when ordering. Soraa lamp compatible (8W Max)

Compliance

- Tested to IESNA LM-79 and LM-80

Shipping Data

- Approximate Net Weight: 1.08 lbs. (0.49 kgs.)
- Effective Projected Area: 9.8 in²

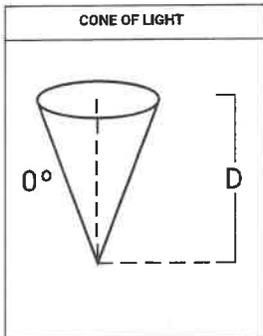
Warranty

- Three year warranty standard.

*For natural bronze ROHS material consult factory.

Cambria 203 MR16 Halogen Photometric Data

Horizontal Illuminance on Surface - Cambria 203 Standard Recessed Hood - 50W MR16



Filename	203-50MR16-12-BK-NSP.ies	
Lamp	50W MR16 NSP	
CBCP	11,000	
Distance	FC	Beam Diameter
2'	2550	1'6"
4'	638	1'0"
6'	283	1'6"
8'	159	2'0"
10'	102	3'0"
15'	45	4'0"

Filename	203-50MR16-12-BK-NFL.ies	
Lamp	50W MR16 NFL	
CBCP	3,200	
Distance	FC	Beam Diameter
2'	725	1'0"
4'	181	2'6"
6'	81	4'0"
8'	45	5'0"
10'	29	6'6"
15'	13	10'0"

View IES files

CCT MULTIPLIER TABLE

LAMP WATTAGE	MULTIPLIER
20W	0.32
35W	0.57

Filename	203-50MR16-12-BK-FL.ies	
Lamp	50W MR16 FL	
CBCP	2,000	
Distance	FC	Beam Diameter
2'	431	1'6"
4'	106	3'0"
6'	48	5'0"
8'	27	6'6"
10'	17	8'0"
15'	7	12'0"

Filename	203-50MR16-12-BK-WFL.ies	
Lamp	50W MR16 WFL	
CBCP	1,200	
Distance	FC	Beam Diameter
2'	269	2'0"
4'	67	4'6"
6'	30	7'6"
8'	17	9'0"
10'	11	11'6"
15'	5	17'0"

NOTES AND FORMULAS

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Bare lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.

Lumière

Cambria 203 LED

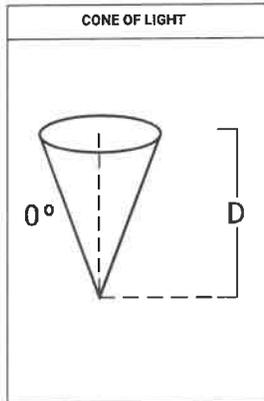
Cambria 203 LED Photometric Data

LED Lumen and CBCP Table - 3000K

View IES files

		Flush Hood			Regressed Hood (Black)			Regressed Hood (Silver)		
		CBCP	LUMENS	LPW	CBCP	LUMENS	LPW	CBCP	LUMENS	LPW
10	BASE	7758	456	57	7188	387	48.4	6554	385	51.4
	+DIFF	1278	372	46.5	1256	286	35.7	1206	303	40.3
	+LSL	1700	402	50.3	1685	328	41	1557	328	43.7
	+LVR	6837	315	39.9	6276	305	38.2	6010	292	38.9
	+OSL	1700	402	50.3	1685	328	41	1557	328	43.7
25	BASE	3454	536	68.7	3285	480	60.8	3026	465	63.6
	+DIFF	977	435	55.7	936	344	43.5	924	361	46.3
	+LSL	1021	482	61.8	999	406	51.4	923	401	54.1
	+LVR	1864	492	63.1	1815	443	56.1	1705	438	57.6
	+OSL	1864	492	63.1	1815	443	56.1	1705	438	57.6
36	BASE	1469	525	68.2	683	339	43.5	1444	474	60.8
	+DIFF	696	432	56.1	616	392	50.3	645	345	44.8
	+LSL	624	476	61.9	1279	324	41.5	622	408	53.6
	+LVR	1322	344	44.7	1197	434	56.3	1242	323	42.5
	+OSL	624	476	61.9	1279	324	41.5	622	408	53.6

Horizontal Illuminance on Surface - Cambria 203 Standard Recessed Hood - 3000K



Filename: 203-SS-8LED3010-12-BK.ies
Test No.: P349415

Distance	FC	Beam Diameter
2'	1797.1	0.4
4'	449.3	0.8
6'	199.7	1.2
8'	112.3	1.6
10'	71.9	2
15'	31.9	3.2
20'	18	4.2
30'	8	6.4
40'	4.5	8.4

Filename: 203-SS-8LED3025-12-BK.ies
Test No.: P349495

Distance	FC	Beam Diameter
2'	821.4	0.6
4'	205.3	1.2
6'	91.3	1.8
8'	51.3	2.4
10'	32.9	3
15'	14.6	4.6
20'	8.2	6
30'	3.7	9.2
40'	2.1	12.2

Filename: 203-SS-8LED3036-12-BK.ies
Test No.: P349480

Distance	FC	Beam Diameter
2'	361.1	1
4'	90.3	2.2
6'	40.1	3.4
8'	22.6	4.6
10'	14.4	5.8
15'	6.4	8.6
20'	3.6	11.6
30'	1.6	17.4
40'	0.9	23.2

CCT MULTIPLIER TABLE

CCT (K) / COLOR	MULTIPLIER
2700K	1.04
3000K	1.00
4000K	0.78

Note: Multiplier can be used to calculate center beam candle power (CBCP), Lumens and footcandle (FC) values.

Horizontal Illuminance on Surface - Cambria 203 Flush Lens Hood - 3000K

Filename: 203-FL-8LED3010-12-BK.ies
Test No.: P349420

Distance	FC	Beam Diameter
2'	1939.5	0.4
4'	484.9	0.8
6'	215.5	1.2
8'	121.2	1.6
10'	77.6	2
15'	34.5	3
20'	19.4	4.2
30'	8.6	6.2
40'	4.8	8.4

Filename: 203-FL-8LED3025-12-BK.ies
Test No.: P349500

Distance	FC	Beam Diameter
2'	863.4	0.6
4'	215.9	1.2
6'	95.9	1.8
8'	54	2.4
10'	34.5	3
15'	15.3	4.6
20'	8.6	6.2
30'	3.8	9.2
40'	2.2	12.4

Filename: 203-FL-8LED3036-12-BK.ies
Test No.: P349485

Distance	FC	Beam Diameter
2'	367.2	1
4'	91.8	2.2
6'	40.8	3.4
8'	22.9	4.6
10'	14.7	5.8
15'	6.5	8.6
20'	3.7	11.6
30'	1.6	17.4
40'	0.9	23.2

TECHNICAL INFORMATION

1. Dimming is dependant on remote transformer compatibility with LED module. Please see compatibility for dimmer switch and transformer selection.
2. When using a magnetic dimmer switch there are two recommended LED compatible 120V magnetic dimming switches: Lutron Ariadni AVLV-600P and Lutron Diva DVLV-600P
3. IMPORTANT: When sizing transformer use 12 watts per LED fixture. Nominal power draw after start up is 8 watts. Any less or more voltage can cause premature failures.



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www.cooperlighting.com

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Specifications and dimensions
subject to change without notice

PS526003EN page 4



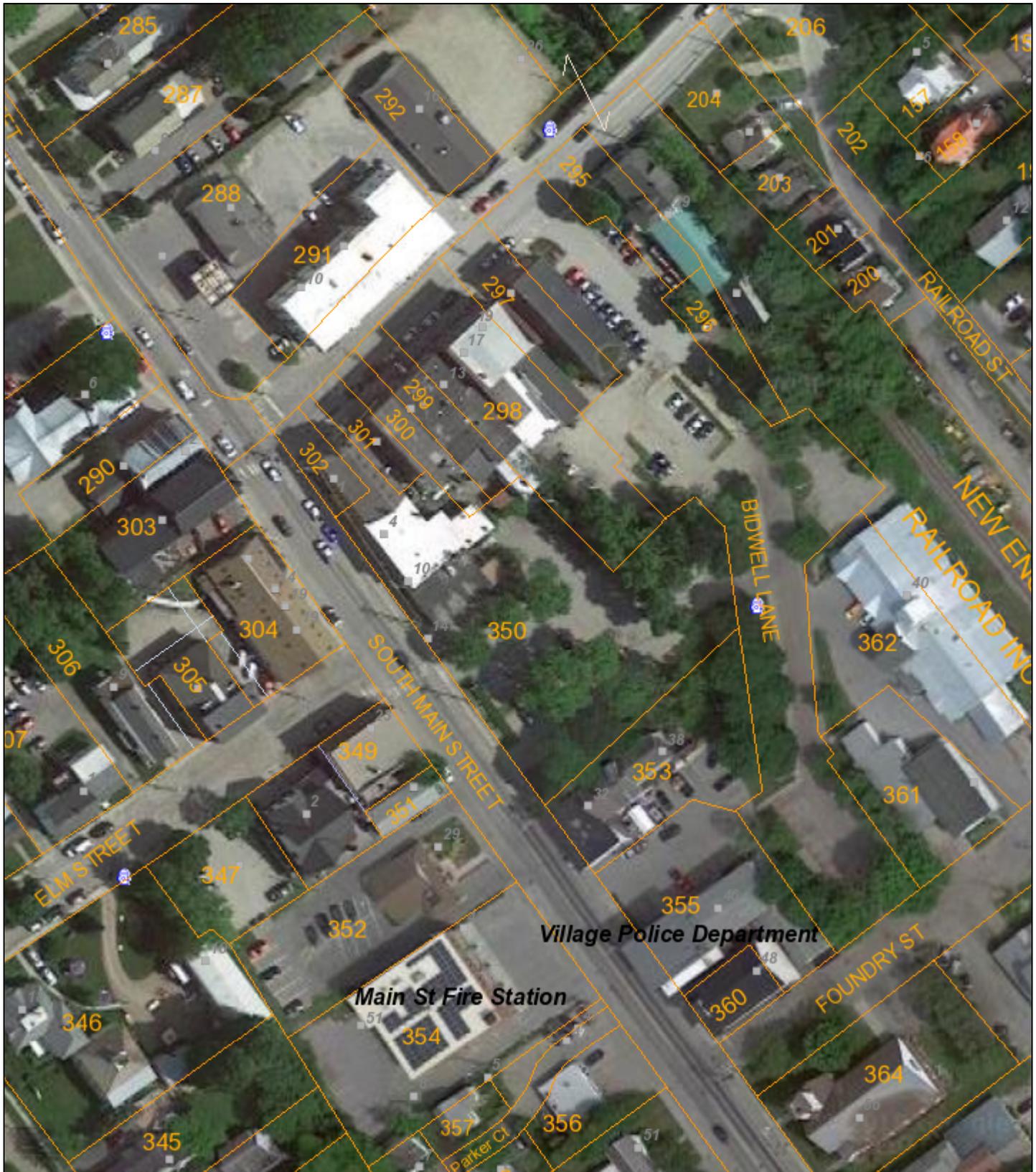
14 S. Main St.

Waterbury, VT

Exhibit H1

January 9, 2019

1 inch = 100 Feet



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14 S. Main St. (SFHA)

Exhibit H2

Waterbury, VT

January 9, 2019

1 inch = 75 Feet



Large Scale	Areas of Interest	E911 Hydrants
Parcel Lines - Ortho	npline-arc	
ROW	Special Flood Hazard Area 1% Chance of Annual Flood	
SUBPARCEL	E911 Address Points	

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