

CUT SHEET BOOK CONTENTS:

- | | | |
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| ① | HARDWARE + TRIM | - P. 2 |
| ② | FINISHES | - P. 12 |
| ③ | LIGHTING + ELECTRICAL | - P. 18 |

CLIENT

WAYNE STATE UNIVERSITY

PROJECT

I2C FIRST FLOOR CFR BUILD OUT
PROJECT #: 212-355739


ADDRESS

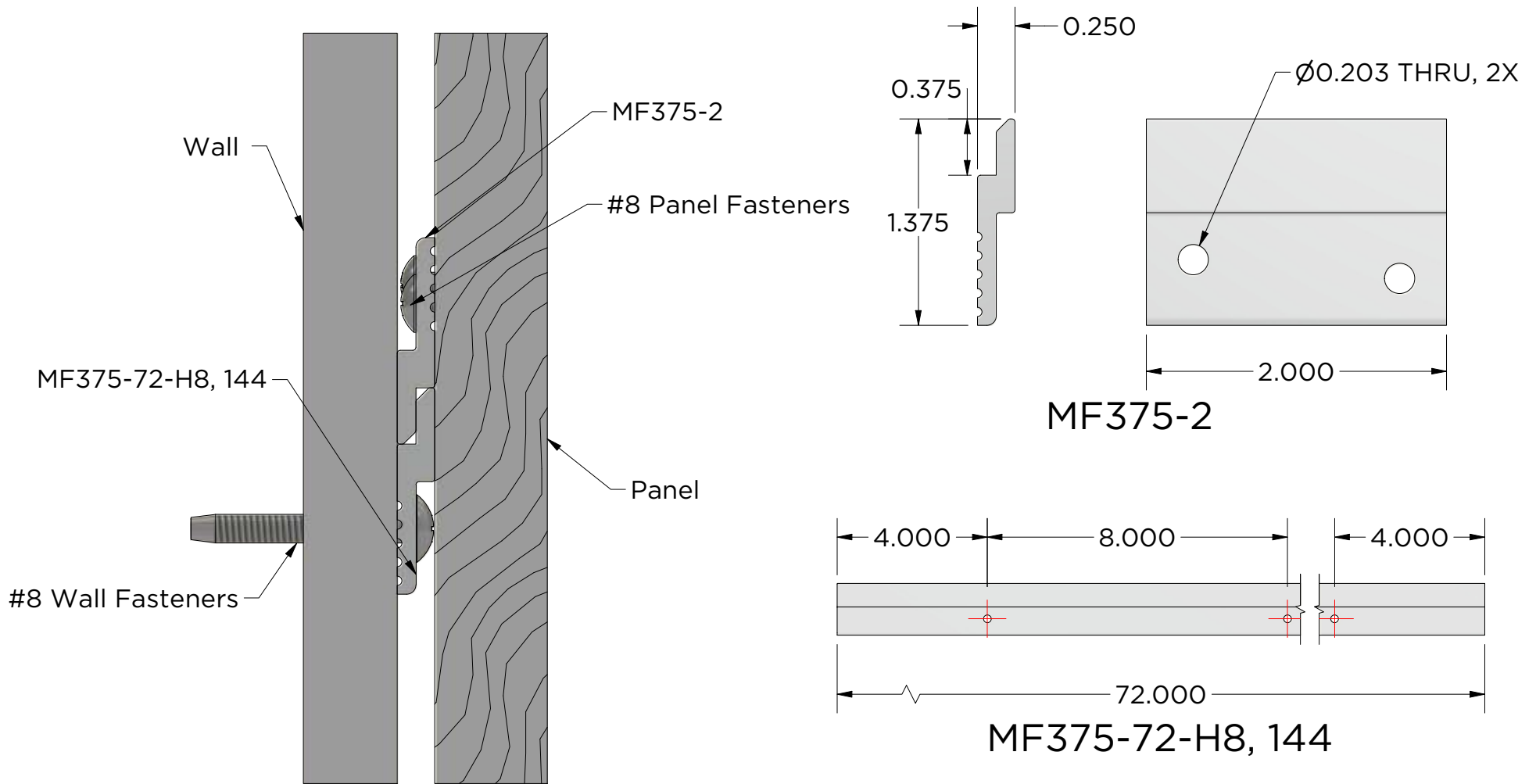
6000 SECOND AVENUE
DETROIT, MI 48202



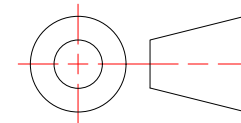
HELLO@E-N-D-STUDIO.COM
313.626.7073
E-N-D-STUDIO.COM

HARDWARE + TRIM

ISSUE	DATE	ISSUE	DATE	<div>CUT SHEET BOOK 04.08.2021</div> <div> HELLO@E-N-D-STUDIO.COM 908.419.8398 E-N-D-STUDIO.COM</div>
BID SET	03.13.23			



Created By: AMH	Approved By: AMH	Sheet Size A	Sheet No. 1/6
Creation Date: 8/17/2022	Approval Date: 8/19/2022	Scale 1:1	Rev



MF375 Assembly

Typical MF375 Installation, (1) MF375 Wall Rail, (1) MF375 Clip Shown
Weight: 2.640 lbmass

Finish: Mill



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METAL INC.

PROPRIETARY AND CONFIDENTIAL

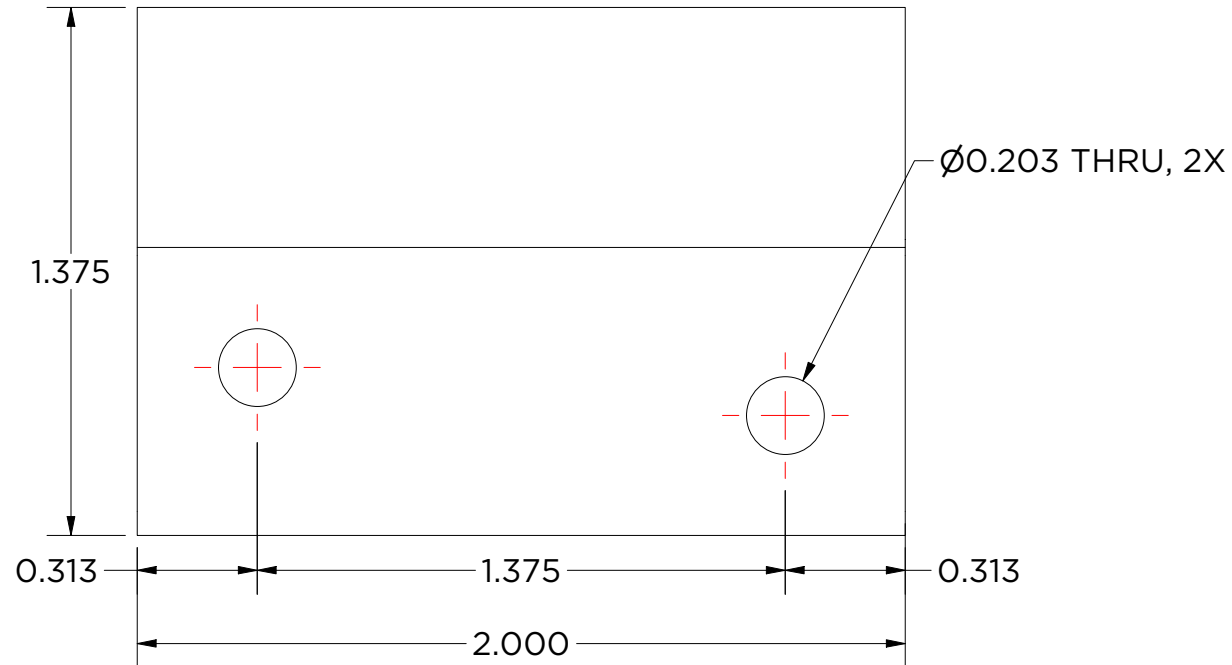
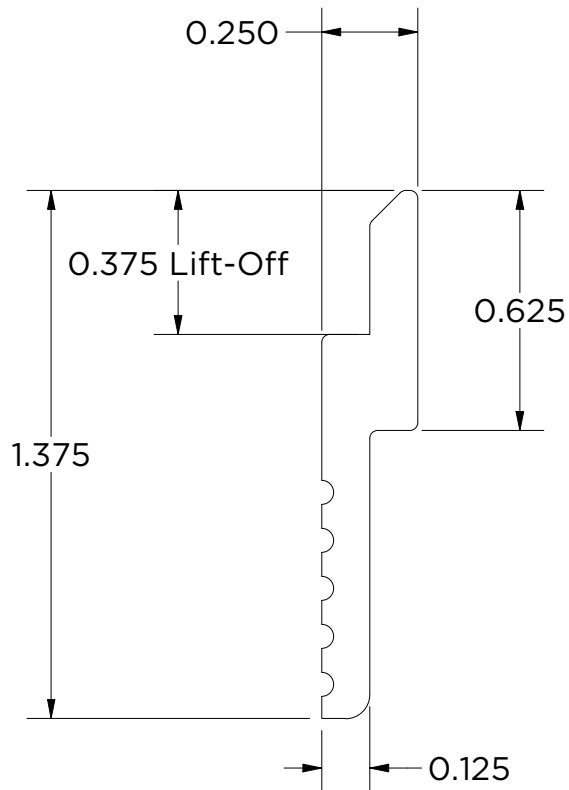
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Sparks, NV 89431
Phone: (775) 415-0100

Texas
1330 Post & Paddock St.,
Suite 800
Grand Prairie, TX 75050
(945) 202-2700

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A

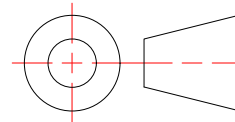
Sheet No.
2/6

Creation Date:
8/17/2022

Approval Date:
8/19/2022

Scale
2 : 1

Rev



MF375-2

Weight: 0.037 lbmass
Aluminum 6063
Finish: Mill



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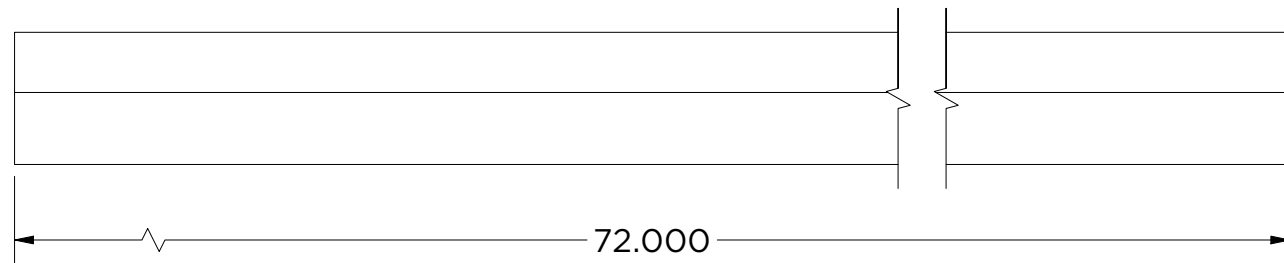
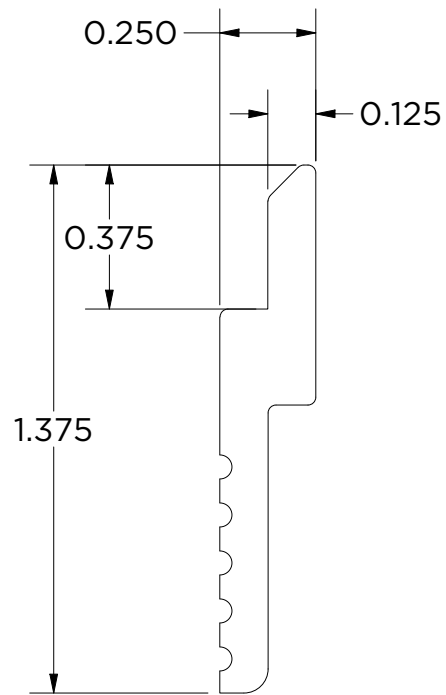
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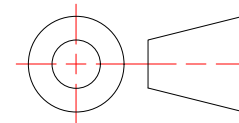
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Creation Date: 8/17/2022	Approval Date: 8/19/2022	Scale 1 / 2	Rev



MF375-72

Weight: 1.340 lbmass
Aluminum 6063
Finish: Mill



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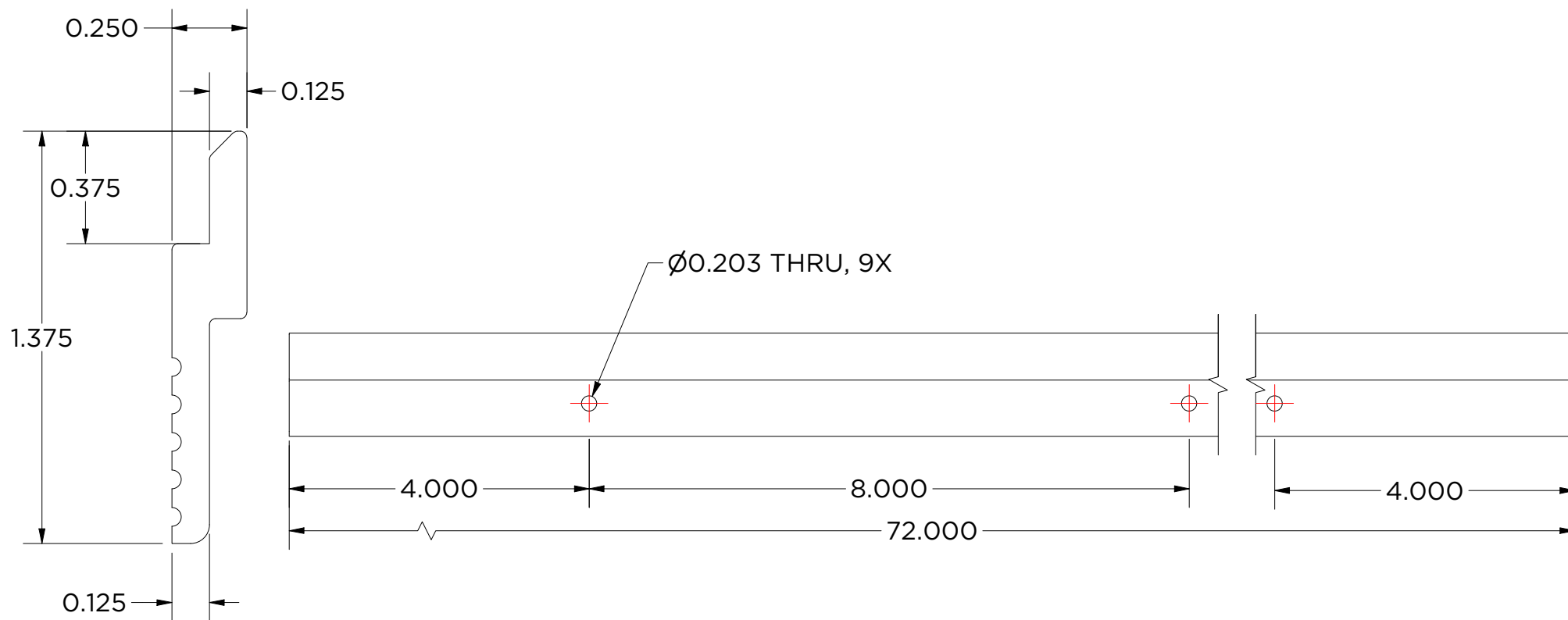
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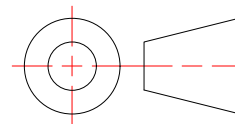
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Creation Date: 8/17/2022	Approval Date: 8/19/2022	Scale 2 : 1	Rev



MF375-72-H8

Weight: 1.337 lbmass
Aluminum 6063
Finish: Mill



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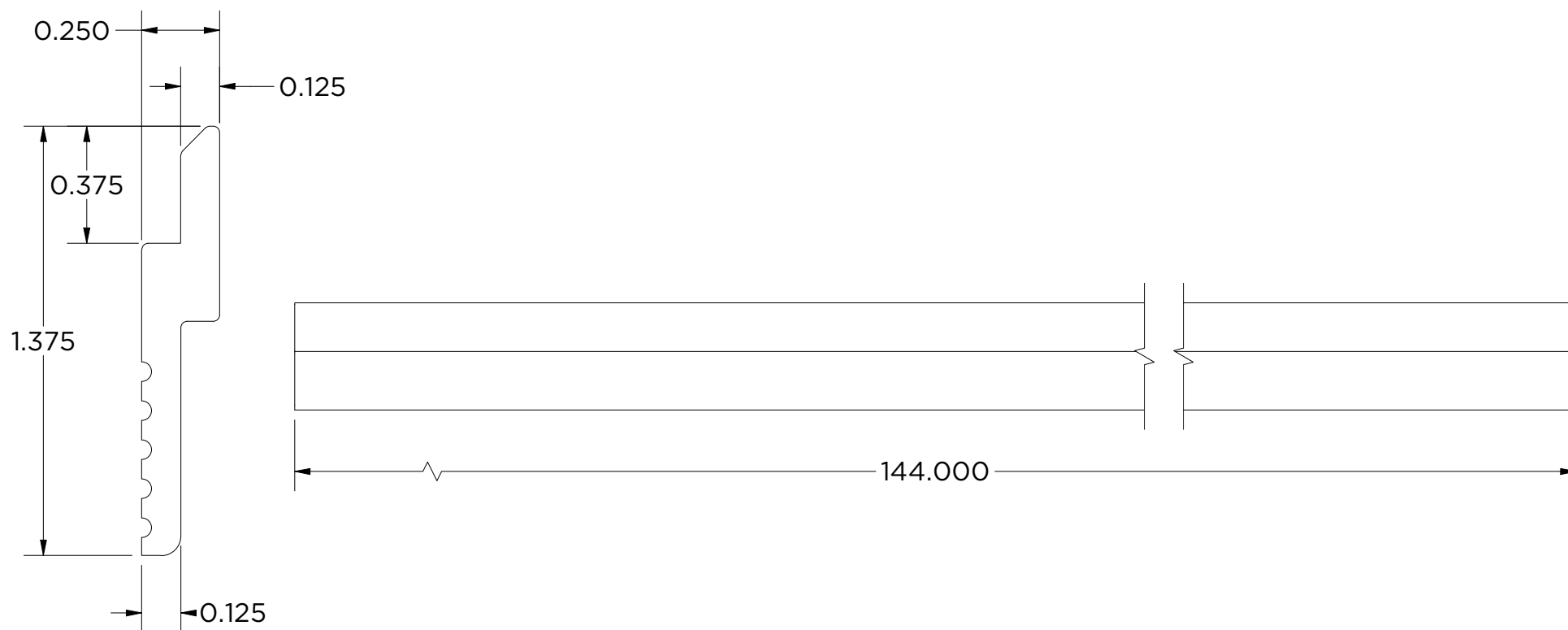
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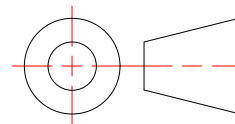
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MF375-144

Weight: 2.681 lbmass
Aluminum 6063
Finish: Mill



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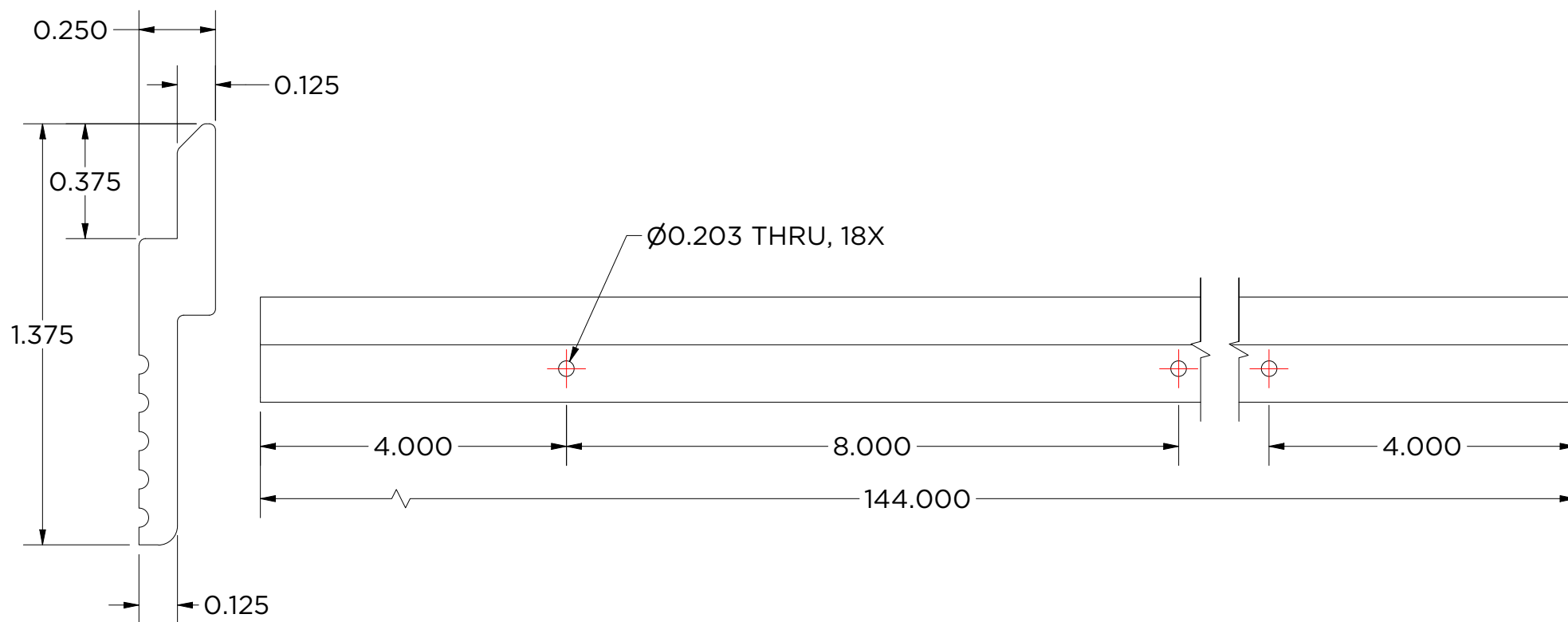
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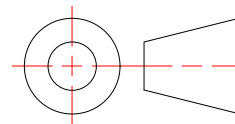
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Creation Date: 8/17/2022	Approval Date: 8/19/2022	Scale 2 : 1	Rev



MF375-144-H8

Weight: 2.675 lbmass
Aluminum 6063
Finish: Mill



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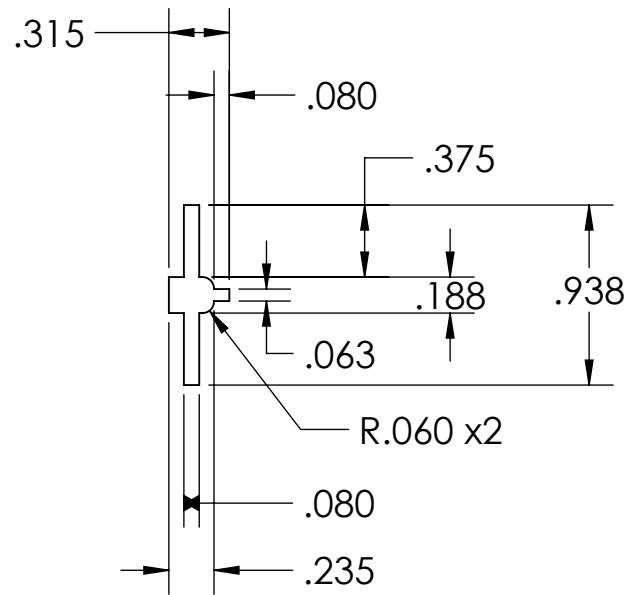
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MATERIAL
Aluminum
FINISH
Clear Anodized
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	EAH	04/20/14
CHECKED	CS	

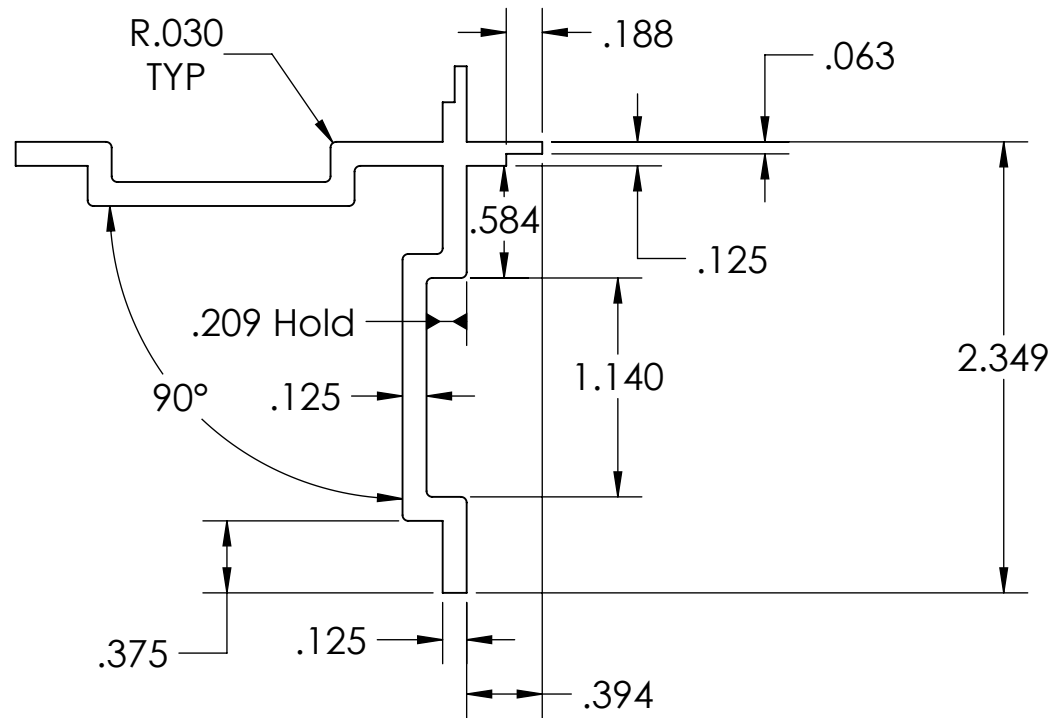
COMMENTS:

Est. Weight:
0.13 lbs/ft



TITLE:
**Vertical Reveal - Narrow
10 mm Panel**

SIZE	DWG. NO.	REV
A	Vertical Reveal - Narrow 10 mm Panel	A
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1



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MATERIAL
Aluminum

FINISH
Clear Anodized

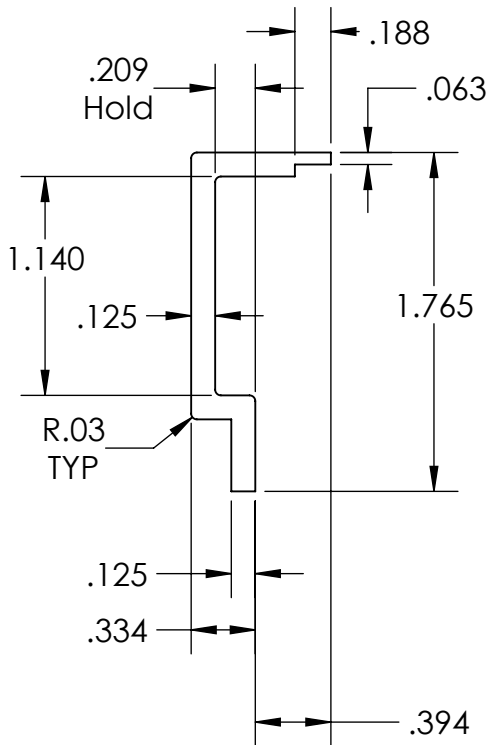
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	EAH	04/20/14
CHECKED	CS	

COMMENTS:

Est. Weight:
0.88 lbs/ft

TITLE: Outside Corner 10 mm Panel		
SIZE A	DWG. NO. Outside Corner 10 mm Panel	REV A
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1



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MATERIAL
Aluminum
FINISH
Clear Anodized
DO NOT SCALE DRAWING

Est. Weight:
0.36 lbs/ft



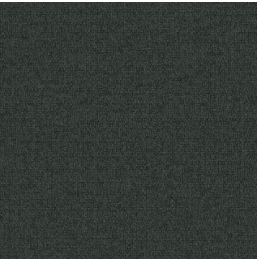
TITLE: Edge Trim/Inside Corner 10 mm Panel		
SIZE A	DWG. NO. Edge Trim/Inside Corner 10 mm Panel	REV A
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

FINISHES

ISSUE	DATE	ISSUE	DATE	<div>CUT SHEET BOOK 04.08.2021</div> <div> HELLO@E-N-D-STUDIO.COM 908.419.8398 E-N-D-STUDIO.COM</div>
BID SET	03.13.23			

Nominal Dimensions	2 1/2" (63.5 mm) x 48" (1.22 m) x 1/8" (3.2 mm) 2 1/2" (63.5 mm) x 120' (36.58 m) x 1/8" (3.2 mm) 4" (101.6 mm) x 48" (1.22 m) x 1/8" (3.2 mm) 4" (101.6 mm) x 120' (36.58 m) x 1/8" (3.2 mm) 4 1/2" (114.3 mm) x 48" (1.22 m) x 1/8" (3.2 mm) 4 1/2" (114.3 mm) x 120' (36.58 m) x 1/8" (3.2 mm) 6" (152.1 mm) x 48" (1.22 m) x 1/8" (3.2 mm) 6" (152.1 mm) x 120' (36.58 m) x 1/8" (3.2 mm)
<i>Cove and No Toe Base available in all Sizes</i>	
<i>OC and No Toe OC available in all sizes</i>	
<i>IC Available in sizes</i>	
<i>No Toe IC are not available</i>	
ASTM F1861 - Resilient Wall Base	Type TP, Group 2, Styles A & B
ASTM E648 (NFPA 253) - Critical Radiant Flux	Class 1, ≥ 0.45 W/cm ²
ASTM E662 (NFPA 258) - Smoke Density	Passes, ≤ 450
ASTM E84 - Flammability	Class A
CAN/ULC-S102.2 - Surface Burning	10 Flame Spread Rating 60 Smoke Developed Classification
ASTM F925 - Chemical Resistance	Excellent with chemicals listed in standard, Additional chemicals available via chart
ASTM F1515 - Light Stability	Excellent, $\Delta E \leq 8$
Acclimation Time	48 Hours, see installation instructions for details
Service & Storage Temperature	65° - 85° F, see installation instructions for details
Sustainability Information	Contributes to LEED v4/4.1 Meets CA 01350 Requirements FloorScore Certification* NSF/ANSI 332 Certified Platinum* HPD Available*
Warranty	5 Year Commercial, see warranty document for details
Recommended Adhesives	Excelsior WB-600, Wall Base Adhesive Excelsior C-630, Contact Adhesive
Technical Support	solutions@rhctechnical.com
Product Support	sales@roppe.com
Technical Documentation	www.roppe.com

*certificate or document available on website



Installation Method



Monolithic

All product specifications reflect averages derived from product sample testing, are subject to normal manufacturing and testing tolerances and inherent pattern variances, and may be changed without notice. For more information about these and other important attributes of the product(s) described herein, including recycled content and product warranty information, please see www.interface.com/disclaimer.

Product Monochrome **Color** Ocean **Backing** GlasBac™

Product Specifications

Product Number	1385702500
Product Construction	Tufted Textured Loop
Yarn System	100% Recycled Content Nylon
Yarn Manufacturer	Aquafil
Dye Method	100% Solution Dyed
Soil/Stain Protection	Protekt ² ®
Preservative Protection	Intersept®

More Product Specifications

	Imperial	Metric
Tufted Yarn Weight	24.00 oz/yd ²	813.74 g/m ²
Machine Gauge	1/12 in	47.2 ends/10cm
Pile Height	0.18 in	4.60 mm
Pile Thickness	0.12 in	3.00 mm
Stitches	10.30 /in	40.60 ends/10cm
Pile Density	7,261.00 oz/yd ³	269,236.30 g/m ³
Size	19.69 in x 19.69 in	50cm x 50cm

Performance Specifications

Flooring Radiant Panel	(ASTM E-648) Passes
Smoke Density	(ASTM E-662) ≤ 450
Lightfastness	(AATCC 16 - E) ≥ 4.0 @ 60 AFU's
Static	(AATCC - 134) < 3.0 KV
Traffic Classification	Heavy
Fiber Modification Ratio	1.9 to 2.2
Preservative Efficacy	(AATCC 174 Parts 2&3) 99% Reduction/No Mold 7 Days (ASTM E-2471) Complete Inhibition

Health + Environmental Specifications

Embodied Carbon (Cradle to Gate)	5.09 Kg CO ₂ /M ²
Full Life Cycle Carbon Emissions	Certified Carbon Neutral Floors™
Total Recycled Content	70.1 %
Recycled Content (Pre Consumer)	57.83 %
Recycled Content (Post Consumer)	12.27 %
Indoor Air Quality	Green Label Plus #GLP0820 CDPH 01350
Material Compostion	Free of Added Heavy Metals, Formaldehyde, Fluorinated Chemicals (PFAS), and Halogenated Flame Retardants.
Disclosure of Environmental Impacts	Environmental Product Declaration
Disclosure of Product Ingredients	Health Product Declaration
Environmental Certifications	Certificate of Conformity
LEED v4	Contributes to multiple IEQ and MR credits

End of Life	Carpet to Carpet Recycling through ReEntry®
Technical Information	
Installation	Interface Installation Guidelines
Maintenance	Recommended Interface Maintenance Guidelines
Reclamation	Recyclable through ReEntry® - Call 1.888.733.6873 (U.S.) / 1.866.398.3191 (Canada)
Warranty	15 Year Standard Carpet Warranty
Installation Method	Monolithic
Manufacturing Location	ISO 9001 & 14001 Certified facilities in Troup County, Georgia, United States

BULLETIN BOARD TECHNICAL DATA

1. PRODUCT NAME / MANUFACTURER

1.1 Product:

Bulletin Board tackable surface sheet material

1.2 Manufacturer:

Forbo Flooring Systems
Humboldt Industrial Park
Hazleton, PA 18202

www.forboflooringna.com

Phone: +800 842 7839

+570 459 0771

Fax: +570 450 0258

1.3 Product Description:

Construction: Bulletin Board is a homogeneous tackable surface material made of primary natural materials consisting of linseed oil, cork, rosin binders and dry pigments mixed and calendared onto a natural jute backing. The uni-color extends throughout the thickness of the material.

1.4 Physical Characteristics: (dimensions are approximate)

Gauge -----1/4" (6.0 mm)

Backing-----Jute

Width -----48" (122 cm)

72" (183 cm) (not all colors)

Length-----90' (27 meters)

Roll Size -----48": 41 yards² (34 meters²)

72": 61 yards² (51 meters²)

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

2.1 Reference Specification:

Meets or exceeds all technical requirements as set forth in ASTM

F 2034, Standard Specification for Linoleum Sheet Flooring.

Type I

2.2 Environmental:

Compliant with CHPS 01350 requirements for VOC emissions and indoor air quality.

Contributes to the following LEED® credits:

Materials & Resources

Credit 4: Recycled Content (41.5% Pre-Consumer)

Credit 6: Rapidly Renewable Materials (87%)

Indoor Environmental Quality

Credit 4.3: Low-Emitting Materials (Listed on LEM Table)

Credit 4.1: Low-Emitting Materials (Adhesive complies with SCAQMD Rule #1168)

2.3 Flexibility:

Will not crack or break when bent around a 2 3/4" (70 mm) diameter cylinder.

2.4 Thermal Conductivity:

Coefficient of thermal conductivity is ± 0.10 W/m-K.

2.5 Sound Testing:

Noise Reduction Coefficient (NRC) is 0.10 when tested in accordance with ASTM C 423, Standard Test Method for Sound Absorption & Sound Absorption Coefficients by the Reverberation Room Method.

Sound Absorption Average (SAA) is 0.09 when tested in accordance with ASTM C 423, Standard Test Method for Sound Absorption & Sound Absorption Coefficients by the Reverberation Room Method.

2.6 Resistance to Bacteria:

Provides a self-sanitizing quality in the form of a bactericidal effect. Independent testing has shown that a sterile zone around the material inhibits the growth of organisms such as staphylococcus aureas and Clostridium difficile.

2.7 Anti-Static Properties:

Naturally anti-static. This property makes cleaning easier because dirt and dust does not cling to the surface as it may with other materials.

2.8 Light Reflection:

Available in matte colors so that reflection caused by sunlight or artificial light is reduced.

2.9 Dimensional Stability:

Due to the natural jute back, providing a strong durable foundation, the product is dimensionally stable in all directions when properly installed. It resists cracking, drying, and peeling.

2.10 Fire Testing:

Class B when tested in accordance with ASTM E 84/NFPA 255, Standard Test Method for Surface Burning Characteristics.

FSC1 – 54; SD – 316 when tested in accordance to CAN/ULC S102, Standard Test Method for Flame Spread Rating and Smoke Development.

3. INSTALLATION (DIRECT WALL APPLICATIONS)

3.1 Site Conditions:

Areas to receive material should be clean, fully enclosed and weathertight. The permanent HVAC must be fully operational, controlled and set at a minimum of 68° F (20° C) for a minimum of seven days prior to, during, and seven days after the installation. The material (including adhesive) should be conditioned in the same manner for a minimum of 48 hours prior to the installation. Areas to receive material shall be adequately lighted to allow for proper inspection of the substrate, installation and seaming and for final inspection.

3.3 Substrates:

The substrate shall be sound, smooth, flat, permanently dry, clean and free of all foreign materials including, but not limited to, dust, grease, oils, solvents, old adhesive residue, or any contaminant that could interfere with a secure bond.

3.4 Adhesive:

Use Forbo L 910W adhesive.

Use a 1/8" x 1/8" x 1/16" V notch trowel.

Spread Rate: Approximately 90 square feet/gallon.

3.5 Installation Guidelines:

Refer to Forbo Flooring's Installation Guide for complete installation guidelines.

4. AVAILABILITY AND COST

Available through authorized Forbo Flooring suppliers throughout North America. Contact Forbo Flooring or an authorized supplier for cost information.

5. WARRANTY

Limited 5-year warranty. For complete details, contact Forbo Flooring.

6. CARE AND CLEANING

Bulletin Board's linoleum surface provides for a washable finish to retain original appearance. The surface can be wiped or washed using a neutral pH cleaner, pH ranging from 6 – 8. Rinse with clear water after cleaning.

7. SUPPORT SERVICES

Submittal samples for verification and approval are available upon request from Forbo Flooring. Samples shall be submitted in compliance with the requirements of the Contract Documents. Please fax all sample requests to +570 450 0229 or visit our website at www.forboflooringna.com. Accepted and approved samples shall constitute the standard materials that represent materials installed in the project.

For current installation and floor care guidelines, guide specifications, and other technical information, visit our website at www.forboflooringna.com.

LIGHTING + ELECTRICAL

ISSUE	DATE	ISSUE	DATE
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CUT SHEET BOOK
04.08.2021



HELLO@E-N-D-STUDIO.COM

908.419.8398

E-N-D-STUDIO.COM

Leo Hanging Globe Pendant
By Sea Gull Lighting

L-1



Call Us (877) 445-4486

Leo Hanging Globe Pendant
By Sea Gull Lighting

Product Options

Finish: White,
Width: 12 in,
Light Option: Integrated LED

Dimensions

12 in Option Canopy: Diameter 5"
12 in Option Fixture: Height 12.5", Diameter 12",
Weight 4.1Lbs
12 in Option Maximum Hanging: Length Adjustable
From 18.5", Adjustable To 60"

Lighting

12 in

Lamp Type	LED Built-in
Total Lumens	1000
Total Watts	14.00
Volts	120
Color Temp	3000 (Soft White)
CRI	90
Equivalent Halogen, CFL or LED Bulb Can Be Used	No

Additional Details

Product URL:
<https://www.lumens.com/leo-hanging-globe-pendant-by-sea-gull-lighting-SGL2186095.html>
Rating: UL Listed Damp

ITEM#: SGL2186095



Notes:

Prepared
by:

Prepared for:
Project:
Room:
Placement:
Approval:



H-MOSS® Controls
Passive Infrared
Wall Switches

Features

- Nightlight version to provide illumination when the lights are OFF, no neutral required
- Designed for use on 120 AC circuits, no neutral required, fast retrofits
- Matching wallplate included

Ordering Information

Description	UPC Number	Catalog Number
Manual adjusting; auto ON operation; 120V AC only	783585256245	WS1000NW

Listings

cULus listed to UL 773A

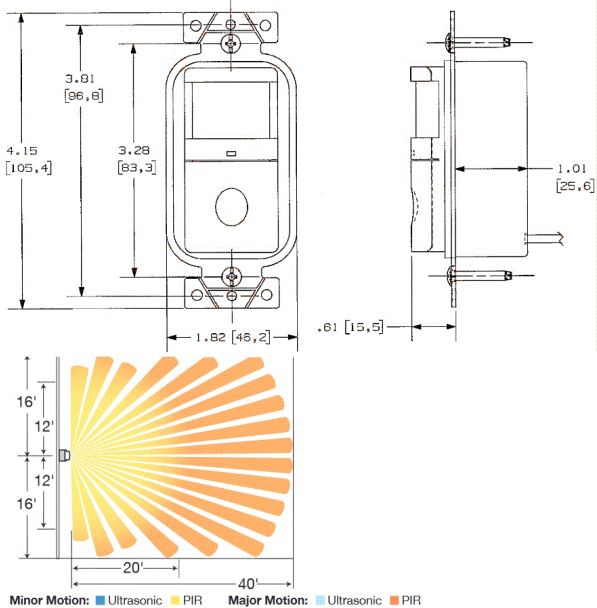
Specifications

Housing	Flame retardant UL 94 V-0 ABS
Lens	Polyethylene
Dimensions	Face 2.59"H x 1.30"W, 0.61"D (from wall out)
Mounting Height	42 to 54 inches above floor
Mounting Strap	Steel

Performance

Controls	
Front Press Switch	ON/OFF
Service Switch	OFF (service); ON (normal operation)
Time Delay	Manual 20 seconds to 30 minutes
Electrical	
Load Capacity	Incandescent - 0 to 1000 watts, 120V; Ballast - 0 to 1000 watts, 277V; Horsepower rating 1/6
Environmental	
Operating Temperature	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F(11°C) per hour
Storage	-40°F to 150°F (-40°C to 65°C); 20% to 90% non condensing relative humidity
Sensing Indicators	
Passive Infrared	Red LED

HUBBELL



Complementary Products

SS Wallplate	SS26
Snap-On Wallplate	RCW1W

Online Resources

Customer Use Drawing
eCatalog
Installation Instructions



Maestro® C•L® Dimmer

Dimmer for CFL and LED dimmable bulbs.

Features

- Large tapswitch with a rocker-style dimmer for a standard designer wallplate opening
- Advanced dimming technology designed for compatibility with a broader range of high efficacy bulbs
- UL Listed to control:
 - Dimmable Compact Fluorescent Lamps (CFL) with integrated ballast
 - Dimmable LED with integrated driver
 - Halogen
 - Incandescent
- Low-end adjustment to accommodate a wide range of bulbs
- No neutral required for retrofit applications
- Tapswitch returns load to previous level
- Can be used in single-pole, multi-location (using MA-R), or 3-way mechanical switch¹ applications
- Coordinating Claro® and Stainless Steel wallplates available separately
- 100% factory tested

Colors and Finishes

Gloss Finishes

WH	White	IV	Ivory
AL	Almond	LA	Light Almond
GR	Gray	BR	Brown
BL	Black		

Satin Colors®

HT	Hot	MR	Merlot
PL	Plum	TQ	Turquoise
SG	Sea Glass	TP	Taupe
ES	Eggshell	BI	Biscuit
SW	Snow	PD	Palladium
MN	Midnight	TC	Terracotta
SI	Sienna	GB	Green Briar
BG	Bluestone	MS	Mocha Stone
GS	Goldstone	DS	Desert Stone
ST	Stone	LS	Limestone



Wallplate sold separately

Product Specific Features

- Capable of controlling up to 150 W Dimmable CFL/LED or 600 W Incandescent/Halogen or Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3)

Model Number

MACL-153M-XX² Single pole/3-way¹/Multi-location³

Notes:

¹ An additional wiring and programming step is required for 3-way mechanical switch applications. Not for use in 4-way mechanical switch applications

² XX Color codes, see section “Colors and Finishes” at left

³ For 3-way and 4-way dimming, use Maestro® companion dimmers

Job Name:

Model Numbers:

Job Number:

Specifications

Regulatory Approvals

- UL Listed to U.S. and Canadian safety requirements (UL 1472 / CSA C22.2 184.1)
- NOM

Power and Ratings

- 120 V~ 60 Hz
- Maximum Load
 - 150 W Dimmable CFL/LED
 - or**
 - 600 W Incandescent/Halogen
 - or**
 - Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3)
- Minimum Load
 - See approved lamp list for CFL/LED
 - or**
 - 10 W Incandescent/Halogen

Environment

- For indoor use only
- Operating temperatures 32 °F (0 °C) to 104 °F (40 °C)

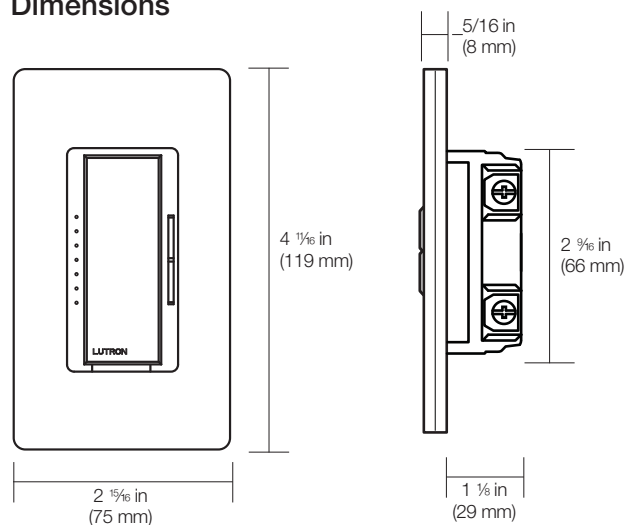
Performance

- Power-failure memory
- Raise/Lower Rocker
- Electrostatic discharge tested
- Precise color matching
- Includes a Front Accessible Service Switch (FASS™) for safe bulb replacement

Application Requirements

- **When using CFLs or LEDs, only bulbs marked or rated as Dimmable can be used.**
- For a complete list of approved DIMMABLE CFLs and LEDs please call 1.800.523.9466 or visit www.lutron.com/dimcflled

Dimensions



Note: Requires a U.S. wallbox 2 1/4 in (57 mm) deep minimum.

Warranty




- 1 Year Limited Warranty
For additional Warranty information, please visit http://www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:

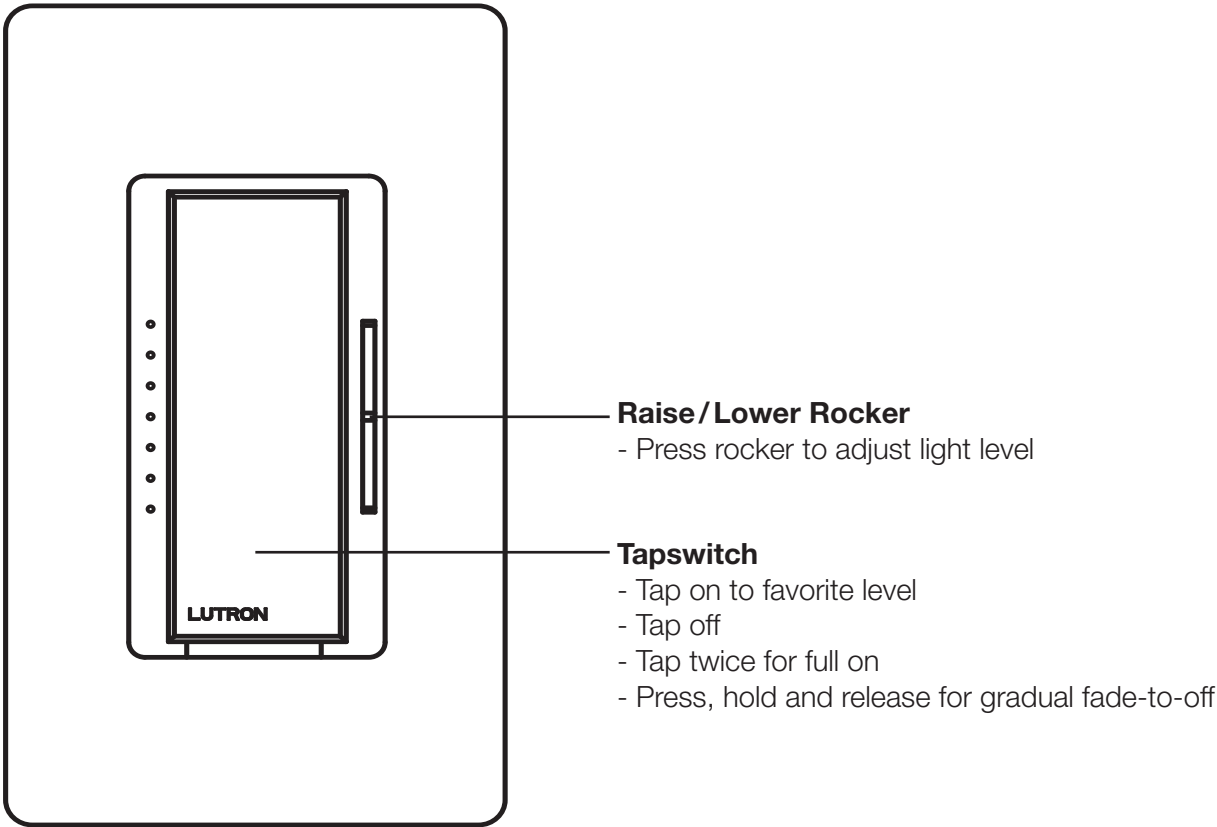
Model Numbers:

Job Number:

Multigang and Mixed-Bulb-Type Ratings

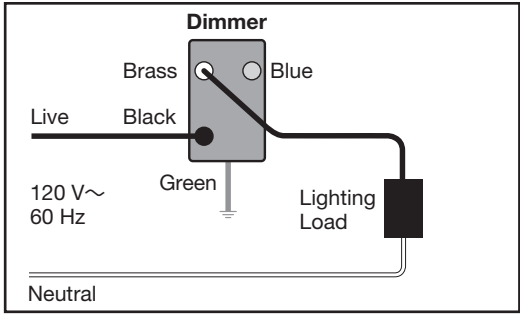
Total CFL•LED Wattage Installed (Watts per bulb X # of bulbs)	 CFL  LED	Maximum Allowable Incandescent/Halogen Wattage  INC/HAL		
		No sides removed	1 side removed	2 sides removed
0 W	+	600 W	500 W	400 W
1 W – 25 W	+	500 W	400 W	300 W
26 W – 50 W	+	400 W	300 W	200 W
51 W – 75 W	+	300 W	200 W	100 W
76 W – 100 W	+	200 W	100 W	50 W
101 W – 125 W	+	100 W	50 W	0 W
126 W – 150 W	+	0 W	0 W	0 W

Operation



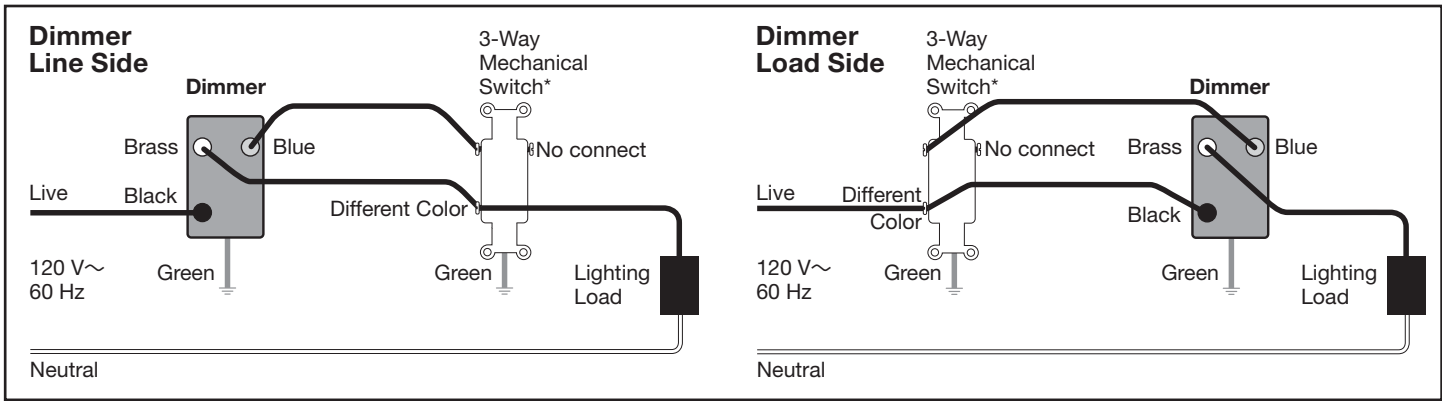
Wiring Diagrams

Single-Pole Wiring



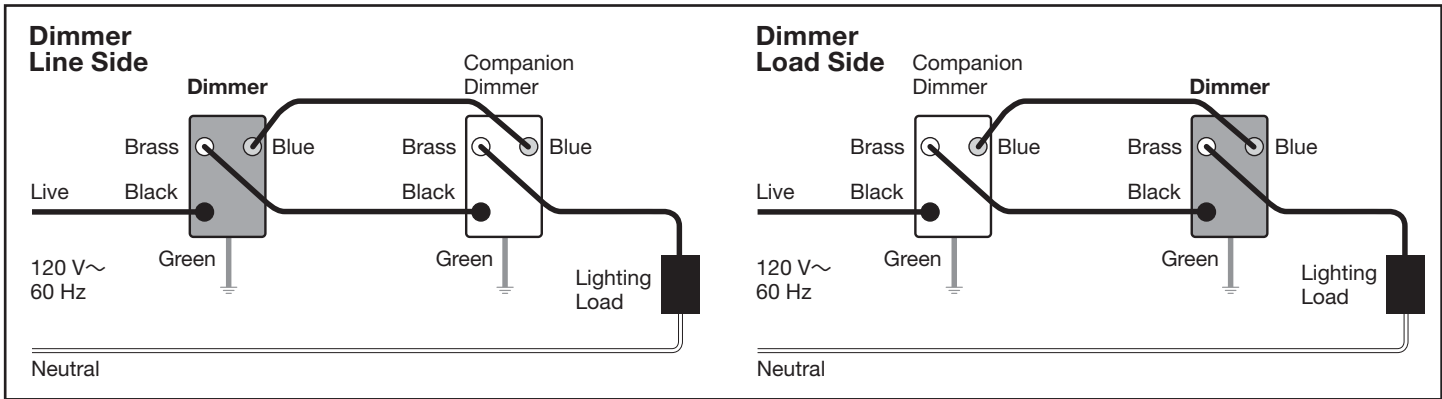
Note: Dimmer can be installed on the line side or load side of the circuit.

3-Way Wiring (Using 3-Way Mechanical Switch)



*Note: Screw terminal positions on 3-way mechanical switches may vary.

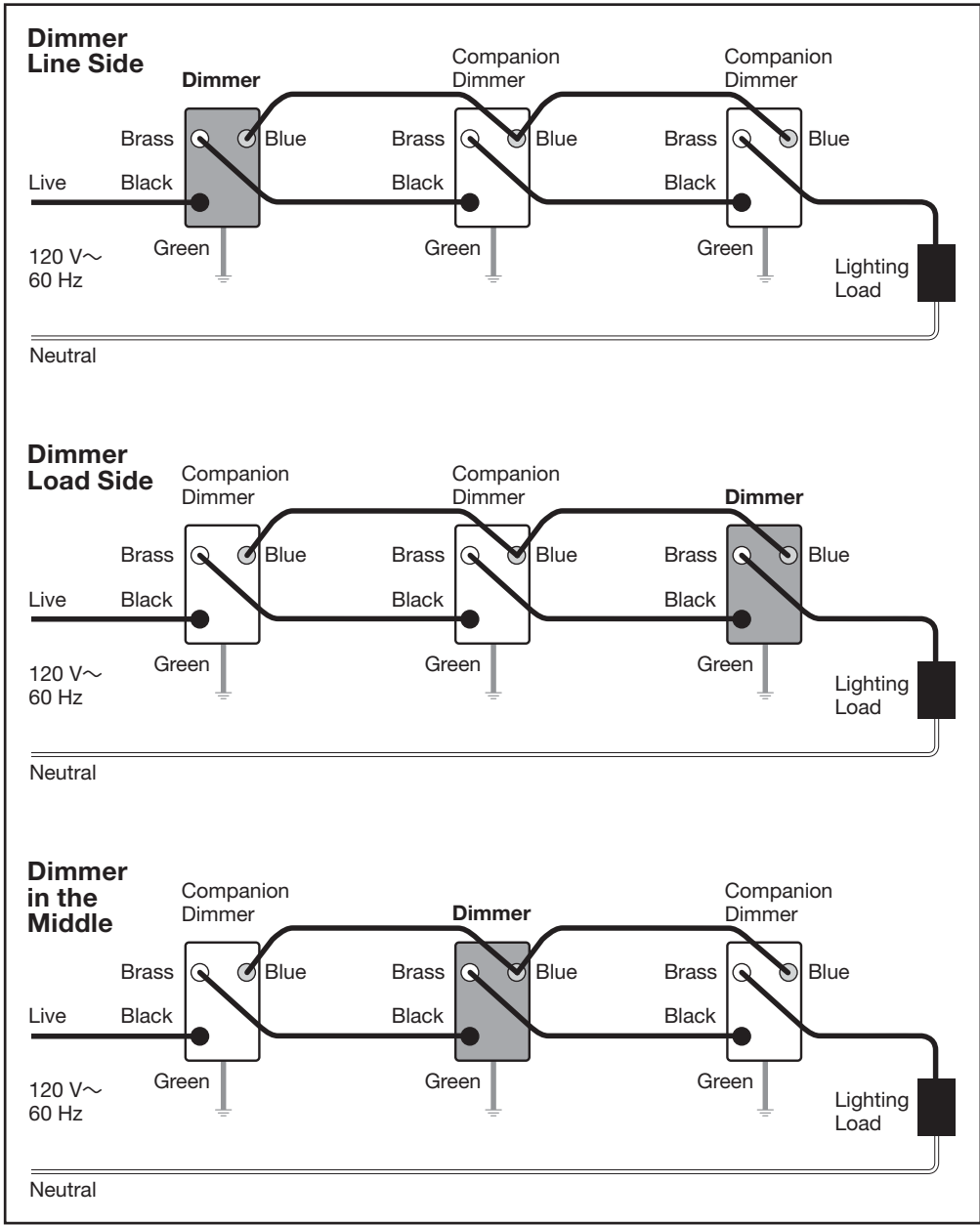
3-Way Wiring (Using MA-R Companion Dimmer)



Continued on next page...

Wiring Diagrams *(continued)*

4-Way Wiring (Using MA-R Companion Dimmer)



Note: Dimmer can be installed on the line side, load side, or in the middle of the circuit.