

GUIDE SPECIFICATION

Manufacturer: **Lumabuilt** Formerly RMP Architectural Solutions 2529 W. Jackson St. Phoenix, AZ 85009 P: 602.275.1676 www.lumabuilt.com info@lumabuilt.com

SECTION 10 82 13

EXTRUDED ALUMINUM BATTEN SCREENS

This guide specification has been prepared by Lumabuilt, in printed and electronic media, as an aid to specifiers in preparing written construction documents for the Mosaic (Alumaboard) extruded aluminum Batten system for decorative wall, soffit, ceiling, and sun screens with a variety of finishes including wood grains, solid colors, and specialty finishes.

Edit entire master to suit project requirements. Modify or add items as necessary. Delete items which are not applicable. Words and sentences within brackets [_____] reflect a choice to be made regarding inclusion or exclusion of a particular item or statement. This section may include performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements. Editor notes to guide the specifier are included between lines of asterisks to assist in choices to be made. Remove these notes before final printing of specification.

This guide specification is written around the Construction Specifications Institute (CSI), Section Format standards references to section names and numbers are based on MasterFormat 2020.

For specification assistance on specific product applications, please contact our offices above or any of our 50 local service centers throughout the country.

Lumabuilt reserves the right to modify these guide specifications at any time. Updates to this guide specification will be posted to the manufacturer=s web site and/or in printed matter as they occur. Lumabuilt makes no expressed or implied warranties regarding content, errors, or omissions in the information presented.

PART 1 - GENERAL

- 1.1 SUMMARY
 - A. Section Includes:
 - 1. Extruded aluminum decorative batten screens for [wall] [soffit] [ceiling] [sunscreen trellis] application.
 - 2. Trim and accessories for complete installation.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at project site.
 - 1. Meet with Contractor, Architect, metal composite material panel Installer, metal composite material panel manufacturer's representative, structural support Installer, and installers whose work interfaces with or affects metal composite material panels, including installers of doors, windows, and louvers.

- 2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
- 3. Review methods and procedures related to metal composite material panel installation, including manufacturer's written instructions.
- 4. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
- 5. Review flashings, special siding details, wall penetrations, openings, and condition of other construction that affect metal composite material panels.
- 6. Review governing regulations and requirements for insurance, certificates, and tests and inspections if applicable.
- 7. Review procedures for repair of panels damaged after installation.
- 8. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of Batten and accessory.
- B. Shop Drawings:
 - 1. Include fabrication and installation layouts of aluminum battens; details of conditions, joints batten profiles, anchorages, attachment system, and accessories; and special details.
 - 2. Accessories: Include details of anchorage systems, at a scale of not less than 1- 1/2 inches per 12 inches.
 - 3. Delegated Design: Provide shop drawings signed and sealed by a structural engineer licensed to practice in the location of the project, indicating ability of system and attachment to supporting construction to resist indicated or code required loads.
- C. LEED or Environmentally Required Documents:
 - Use primary and secondary 6XXX series aluminum alloys. Approximately 40% extruded products are produced with recycled secondary aluminum (32% post-consumer content and 8% pre-consumer content); material received and recycled by local suppliers. The remaining percentage of our production is to be processed from primary billet which typically contains 3 5% recycled aluminum. Aluminum products shall be 100% recyclable with no downgrading of the material qualities.
 - a) MR2.1 and 2.2: Construction waste management: 1-2 points — Aluminum recycling
 - b) MR4.1 and 4.2: Recycled Content: 1-2 points
 - Recycled content in aluminum extrusions
 - MR5.1 and 5.2: Regional Materials: 1-2 points
 - Recycled content recovered, reprocessed near project
 - d) ID1: Innovation in Design: 1 point
 - For use of Cradle-to-Cradle certified materials
- D. Samples:

c)

- 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns (typical 3"x6")(76 mm x 152mm). Include similar Samples of trim and accessories involving color selection (typical 6" length)(152 mm).
- 2. Verification Samples: 6 inches (152 mm) long by actual panel width. Include fasteners, closures, and other metal panel accessories.
- E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.4 INFORMATIONAL SUBMITTALS

- A. Sample Warranties: For special warranties.
- B. Submit sustainability documentation for recycled content and other pertinent attributes in support of project's sustainability goals.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For metal cladding to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
- B. [Mockups]: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic

effects, and to set quality standards for fabrication and installation.

- 1. Build mockup of typical installation as indicated on Drawings; approximately four units wide, including attachments and accessories.
- 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
- 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver components, aluminum battens, and other manufactured items so as not to be damaged or deformed. Package aluminum battens for protection during transportation and handling.

- B. Unload, store, and erect aluminum battens in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack aluminum battens horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store battens to ensure dryness, with positive slope for drainage of water. Do not store battens in contact with other materials that might cause staining, denting, or other surfacedamage.

1.8 FIELD CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of battens to be performed in accordance with manufacturers' written instructions and warranty requirements.

1.9 COORDINATION

A. Coordinate batten installation with rain drainage work, flashing, trim, construction of walls, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.10 WARRANTY

- Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal cladding systems that fail in materials or workmanship within specified warranty period. Warranty terms and conditions, found in Lumabuilt's warranty, apply.
 - a. Failures include, but are not limited to, the following:
 - b. Buckling not associated with the substrate and/or structure to which the Mosaic system is attached. Defined as 1/16" out of plane per linear foot.

- 2. Warranty on Cladding Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal cladding that show evidence of deterioration of factory-applied finishes within specified warranty period. Warranty terms and conditions, found in Lumabuilt's warranty, apply.
 - a. [Solid Color Finish] Deterioration includes, but is not limited to, the following:
 - i. Color Retention: Color fading more than 7 units from the original color, when tested in accordance with ASTM D2244.
 - ii. Gloss Retention: Finish will exhibit gloss retention of a minimum of 50% of the original gloss when measured in accordance to ASTM D523 at a 60° angle.
 - iii. Chalking Resistance: Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214 Test Method A.
 - iv. Checking and Cracking: Will not visibly check or crack in such a way as to significantly adversely affect the appearance of the surface.
 - v. Finish Warranty Period: 20 years.
 - b. [Woodgrain Finish Standard] Deterioration includes, but is not limited to, the following:
 - i. Color Retention: Color fading more than 5 units from the original color, when tested in accordance with ASTM D2244.
 - ii. Gloss Retention: The coated surface will exhibit gloss retention to a minimum of 30% from the original gloss.
 - iii. Chalking Resistance: Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - iv. Checking and Cracking: There will be no clearly visible checking or cracking of the painted finish on the products installed on the building.
 - v. Paint Adhesion: Adhesion of Painted Finish when initially applied to test panels and measured by reference to AAMA 2604-02; Clause 7.4.2 will show no evidence of film removal.

vi. Finish Warranty Period: Standard 15 years.

- c. [Woodgrain Finish Optional] Deterioration includes, but is not limited to, the following:
 - i. Color Retention: Color fading more than 5 units from the original color, when tested in accordance with ASTM D2244.
 - ii. Gloss Retention: The coated surface will exhibit gloss retention to a minimum of 30% from the original gloss.
 - iii. Chalking Resistance: Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - iv. Checking and Cracking: There will be no clearly visible checking or cracking of the painted finish on the products installed on the building.
 - v. Paint Adhesion: Adhesion of Painted Finish when initially applied to test panels and measured by reference to AAMA 2604-02; Clause 7.4.2 will show no evidence of film removal.
 - i. Finish Warranty Period: [Enhanced 20 years] [AAMA 2604 10-year or AAMA 2605 20-year American Standard]

PART 2 - PRODUCTS

- 2.1 PERFORMANCE REQUIREMENTS
 - A. Structural Performance: Provide battens capable of withstanding the effects of the following loads, based on testing in accordance with ASTM E1592:
 - 1. Wind Loads: As indicated on Drawings or as required to meet applicable building codes.
 - 2. Deflection Limits: For wind loads, no greater than 1/180 of the span.
 - B. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.
 - C. Flame Spread: Meets ATM E84, Class A.

2.2 BATTENS

- A. Provide aluminum battens designed to be installed by mechanically attaching to supports using exposed or concealed fasteners. Include accessories required for weathertight installation.
- B. Battens: Extruded shapes, fabricated from either one- or two-piece construction (depending on profile selected).
 - 1. Ácceptable Manufacturer and Product: Lumabuilt Mosaic (Alumaboard); www.lumabuilt.com
 - 2. Substitutions: Submit in accordance with Section 01 60 00.
- Materials: Extruded aluminum meeting ASTM B221, Alloy 6063-T5, of 0.063 inch thickness.
 Standard Batten Length: 24 feet (7.2 M).

In 2 below, make batten profile and joint type selection.

- - 2. Size and Configuration:
 - a. [Solid battens:] [1x3] [1x4] [1x5] [1x6] [1x8] [4x10.75 cee fin] inches.]
 - b. [2-piece assembled battens:] [6x1] [2x2] [2x3] [2x4] [2x6] [2x8] [2x10] [2x12] [4x2] [1x3] [1x4] [1x5] [1x6] [4x8] inches.

c. [L-connect battens:] [1x3] [1x4] [1x5] [1x6] [4x8]

2.3 FABRICATION

A. Fabricate and finish battens and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.

2.4 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

In C below, select desired panel finish(s), and if known, specific color. Type of finish and color has a significant impact on cost, so as much detail as possible is encouraged.

C. Aluminum Battens

1. Pretreatment: Chrome Free five stage aluminum pretreatment system. Complies with AAMA 2603 AAMA 2604 and AAMA 2605 Superior Performance Standard and meets EPA, OSHA, State and Local environmental requirements and contains no chromates, cyanides or other heavy metals. Waste treatment is usually a simple pH neutralization and disposal to the sanitary sewer.

[Select finish] Remove if not applicable

- a) **[Wood Grains]**: Premium wood finishes using a polyurethane powder coat with inkbased wood grain patterns sublimated into the base powder. The combined effect creates all the aesthetic aspects of real wood. Color:
- b) [Solid Colors]: Premium finishes using a polyurethane powder coat available in smooth or fine textured finish. Color: [_____]
- c) [Specialty Finishes]: Premium finishes using a polyurethane powder coat with inkbased patterns sublimated into the base powder. The combined effect creates all the aesthetic aspects of finishes such as weathered steel, concrete, stone, marble, and other offerings. Color: [_____]
- 2. Contact Lumabuilt for available wood grains, solid color options, and texture finishes.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, batten supports, and other conditions affecting performance of the Work.
 - 1. Examine framing to verify that girts, angles, channels, studs, and other structural batten support members and anchorage have been installed within alignment tolerances required by the batten manufacturer.
 - 2. Examine sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by batten manufacturer if applicable.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install battens in accordance with manufacturer's written instructions in orientation, sizes, and locations indicated. Anchor battens and other components of the Work securely in place, with provisions for thermal and structural movement.
 - 1. Shim or otherwise plumb substrates receiving battens.
 - 2. Locate and space fastenings in uniform vertical and horizontal alignment.
- B. Fasteners:
 - 1. Use aluminum or epoxy-coated steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.
- C. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting and provide for thermal expansion.

3.3 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as battens are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of batten installation, clean finished surfaces as recommended by manufacturer. Maintain in a clean condition during construction.
- B. After batten installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.

END OF SECTION 10 82 13





Mosaic works beautifully on exteriors as well as interiors and has a wide variety of profiles for use for cladding, soffits, enclosure screens, ceilings, walls, partitions, and a variety of custom solutions. The design capabilities are endless with the versatility of Mosaic. The product is lightweight, durable and our licensed proprietary sublimation process will make its low maintenance beauty last for years.

USES:

Soffits, Cladding, Privacy, Enclosure Screens, Ceilings, Walls, Battens, Decorative Elements, Signage, Vertical or Horizontal Installations **WOOD FINISHES**

WOOD FIN	NISHES								
WHITE DAK VI VI	LIGHT MAPLE V2	DRIFTWOOD V3	LIGHT PECAN V3	RED OAK V3 CO S	LIGHT SUPER WIDE GRAIN V3	WEATHERED TEAK V3	COASTLINE V3	BASSWOOD V3	CREAM FIR VI
WHITE BAMBOO VI	BLACK WALNUT VI	DARK NATIONAL WALNUT VI	LIGHT NATIONAL WALNUT VI	AMERICAN WALNUT V2	LIGHT AMERICAN WALNUT V2	TABLE WALNUT V3	LIGHT TABLE WALNUT V3	WHITE AMERICAN WALNUT V2	SUPER DAK V3
DARK SUPER DAK V3	DARK SUPER WIDE GRAIN V3	SUPER WIDE GRAIN V3	AMBER BAMBOO VI	DARK AMBER BAMBOO VI	AFRICAN ROSEWOOD V1	LIGHT AFRICAN ROSEWOOD VI	LIGHT HAZELNUT BROWN VI	HAZELNUT BROWN VI	DARK FIR VI
		DARK COLONY MAPLE V3	DARK KNOTTY PINE V2	EXTRA DARK KNOTTY PINE V2	MEDIUM CHERRY V3	DARK CHERRY V3	PHOENIX COPPER	V3- COLOR A	ir pattern variance ND pattern varianc
		E FINISHES							
OIL RUBBED BRONZE	DARK BRONZE	BLACK	SERIOUS GRAY		CHARCOAL	SIGNAL WHITE	SIERRA TAN	RUST SPICE	WEATHERING STEEL
ARIZONA BLUE	TUMERIC	RED BRICK	BURNT GARNET	LUCKY GREEN	INK BLACK	DEEP OLIVE	AEGEAN BLUE	SUMMER SAGE	CALIFORNIA BRONZE
 FEATURES & BENEFITS: Lightweight & Durable Time & Labor Savings with Ease of Installation 100% Recyclable Matching End Caps in Solid Colors or Wood Grain Finishes (Battens) Architectural Soffit & Wall Applications Installed Over Open Framing or Solid Substrate Battens Mechanically Attached with Internal Fastening 15 Year Finish Warranty, 20 Year Specialty Warranties on Request Perfect for Exterior or Interior Applications Paint Finish Testing: AAMA 2604 & Class "A" Fire Rating Custom Colors & Color Matching Available Ask us about our other product lines; Cor, AP400 & Rollfab 					PLANK 2.5" \ 4" \- 6" \- 8" \- 10" \ 6" FL 50LID F 1"×3" 1"×4" 1"×5" 1"×6" 1"×8"	DIMENSIONS: PLANKS (12' OR 24' LENGTHS) 2.5" V-GROOVE 4" V-GROOVE 6" V-GROOVE 10" V-GROOVE 10" V-GROOVE 6" FLUSH PLANK SOLID BATTENS (24' LENGTHS) 1"×3" 1"×4" 1"×5" 1"×6" 1"×8"		BATTEN ASSEMBLIES (24' LENGTHS) 2"×2" 2"×3" 2"×4" Some batten 2"×6" are available 2"×8" in various 2"×10" configurations 2"×12" 4"×2" 6"×1" 1"x3" L-Connect 1"x4" L-Connect 1"x5" L-Connect 1"x6" L-Connect	
Luma built 2529 W. Jackso	on St. Phoenix,	AZ 85009			2"x8"	(2 or 6 screw k	posses) 4"x8	3" L Connect	

2529 W. Jackson St. | Phoenix, AZ 85009 602.275.1676 | Info@Lumabuilt.com For more info visit: Lumabuilt.com

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For accurate color selections please request color samples.





Please note that RMP Rollfab Architectural Solutions has been rebranded as Lumabuilt.

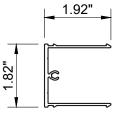
Product names have also been changed; the product specifications, warranties, accessories, and all things related to the products, have not changed. The products have been rebranded in name only.

Rebranding began June 26, 2023.

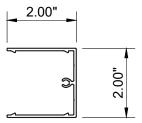
Mosaic is now the new product name for Alumaboard for Planks and Battens.



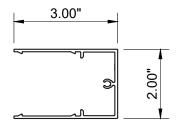
MOSAIC 2" BATTEN ASSEMBLY COMPONENTS



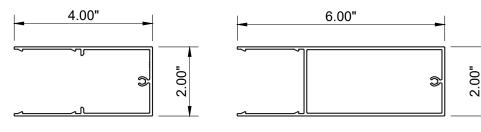






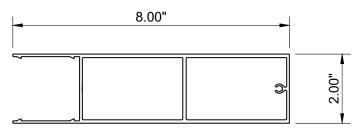


MOSAIC BATTEN CAP 2"X3"



MOSAIC BATTEN CAP 2"X4"





MOSAIC BATTEN CAP 2"X8"



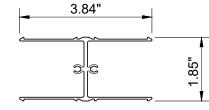
2529 W. Jackson St. Phoenix, AZ 85009 PHONE: (602) 275-1676

2" BATTEN ASSEMBLY COMPONENTS SCALE: NTS 11.02.23

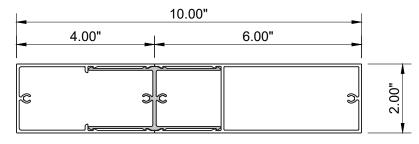
SYSTEM = MOSAIC BATTENS

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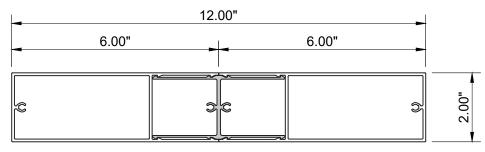
MOSAIC 2" BATTEN COMBINATIONS USING AN EXTENSION



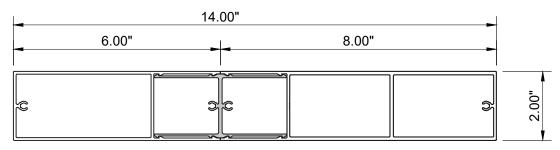
MOSAIC BATTEN EXTENSION 2"



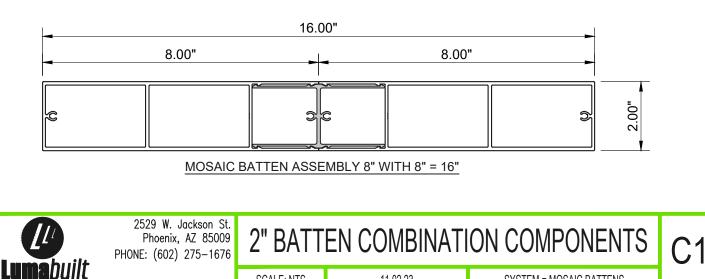
MOSAIC BATTEN ASSEMBLY 4" WITH 6" = 10"



MOSAIC BATTEN ASSEMBLY 6" WITH 6" = 12"



MOSAIC BATTEN ASSEMBLY 6" WITH 8" = 14"

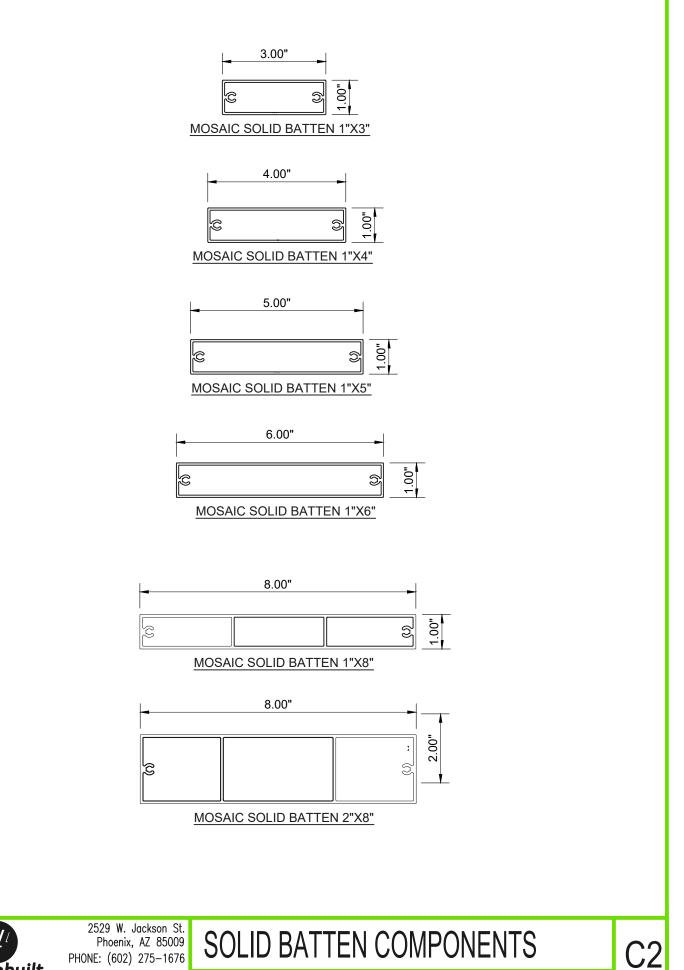


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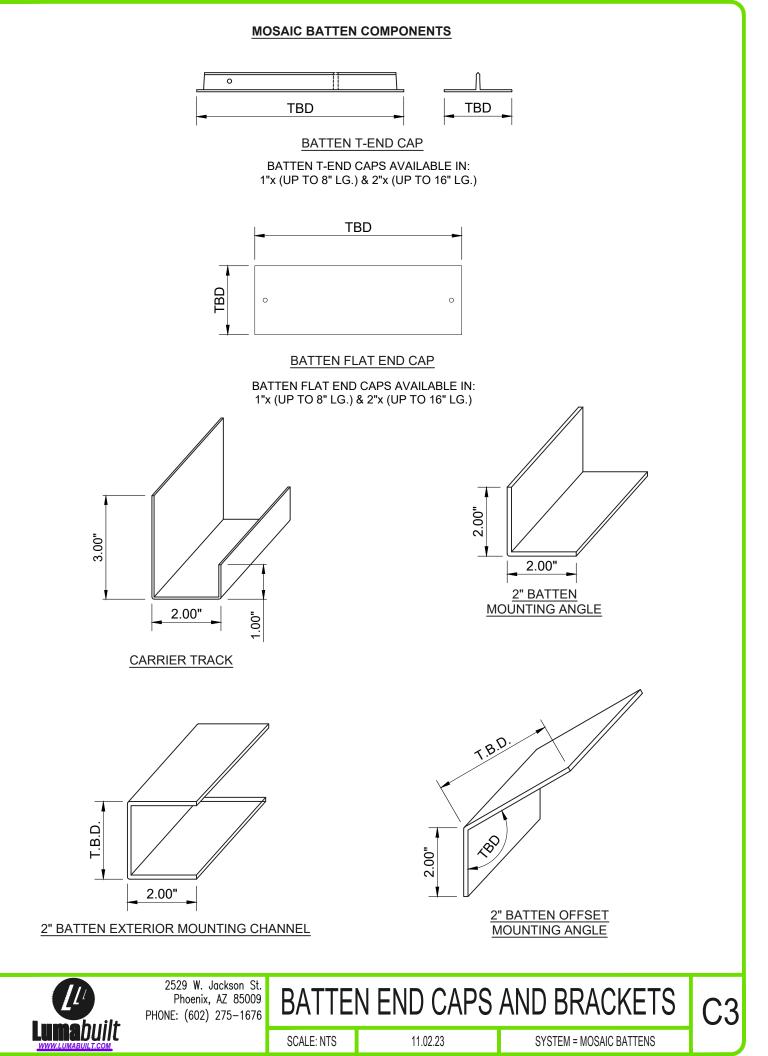
MOSAIC SOLID BATTENS

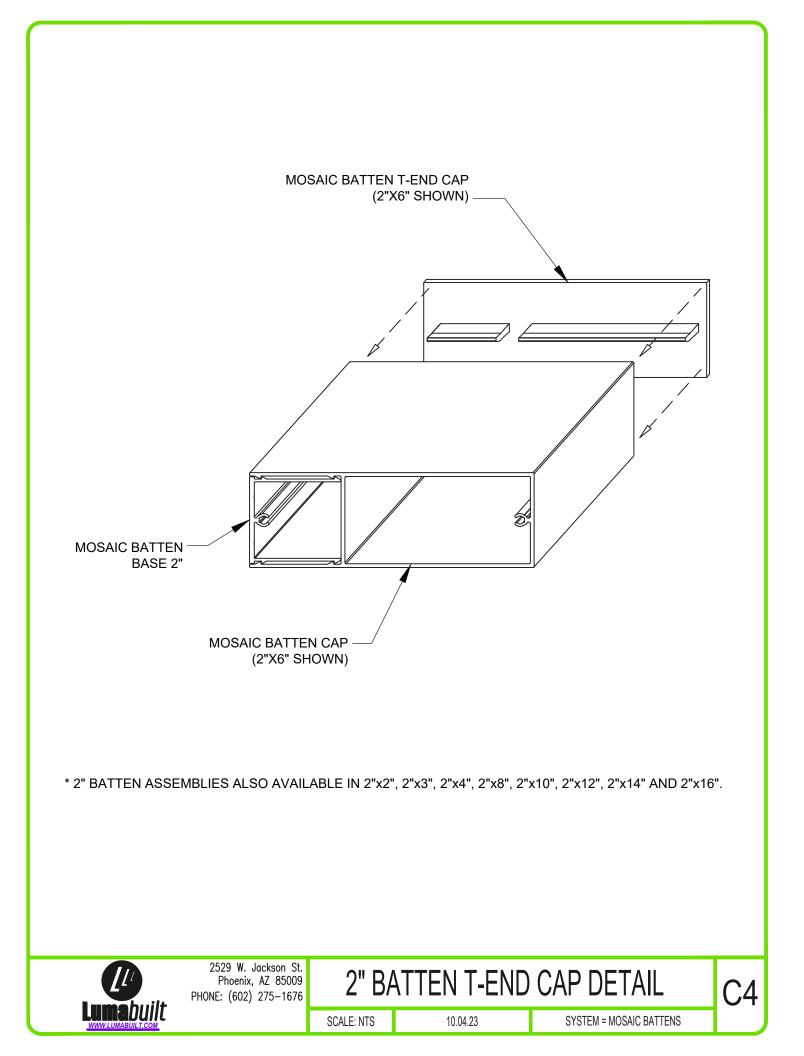


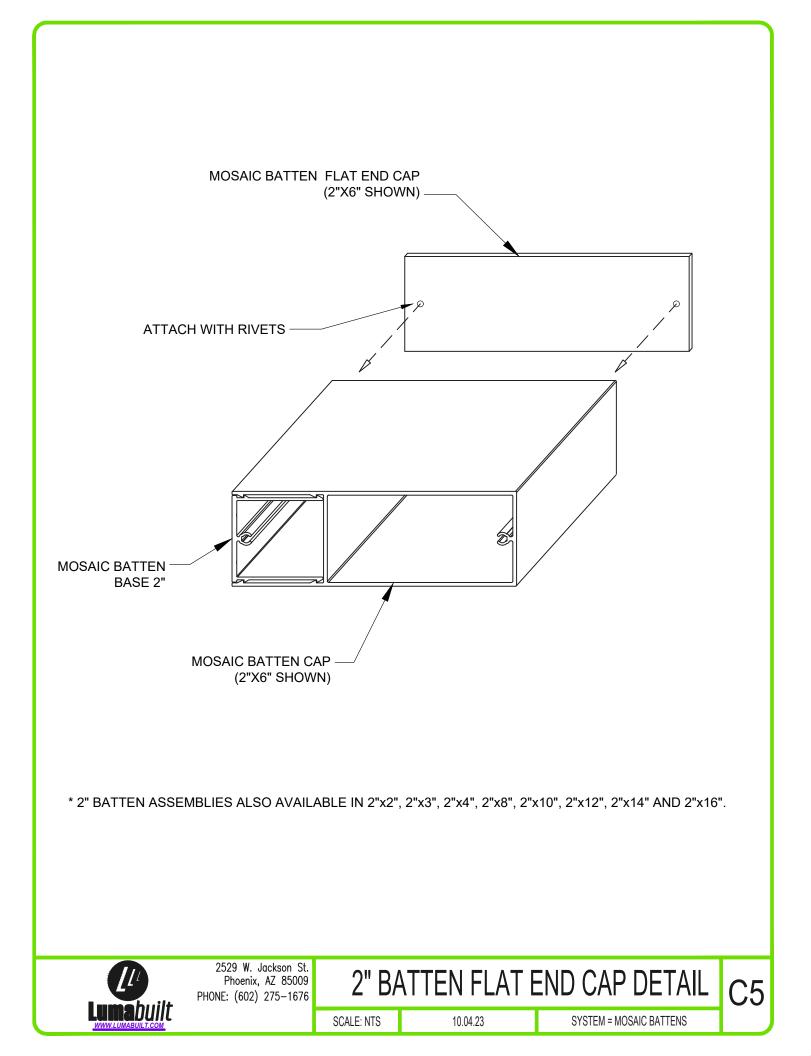
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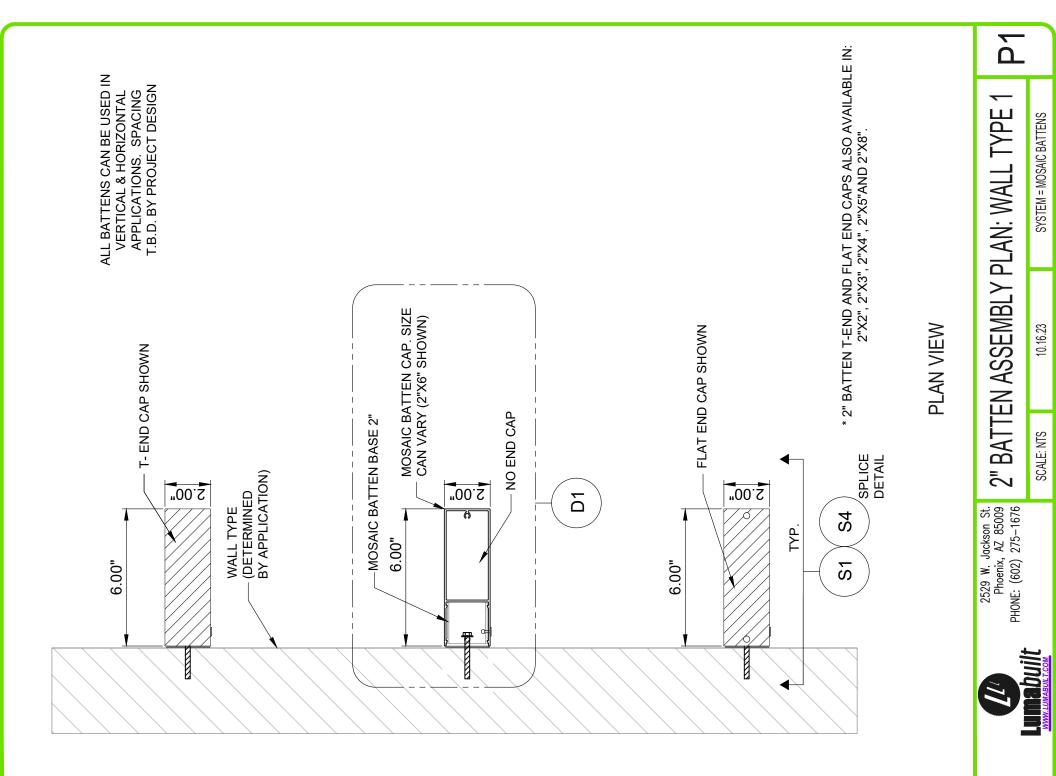
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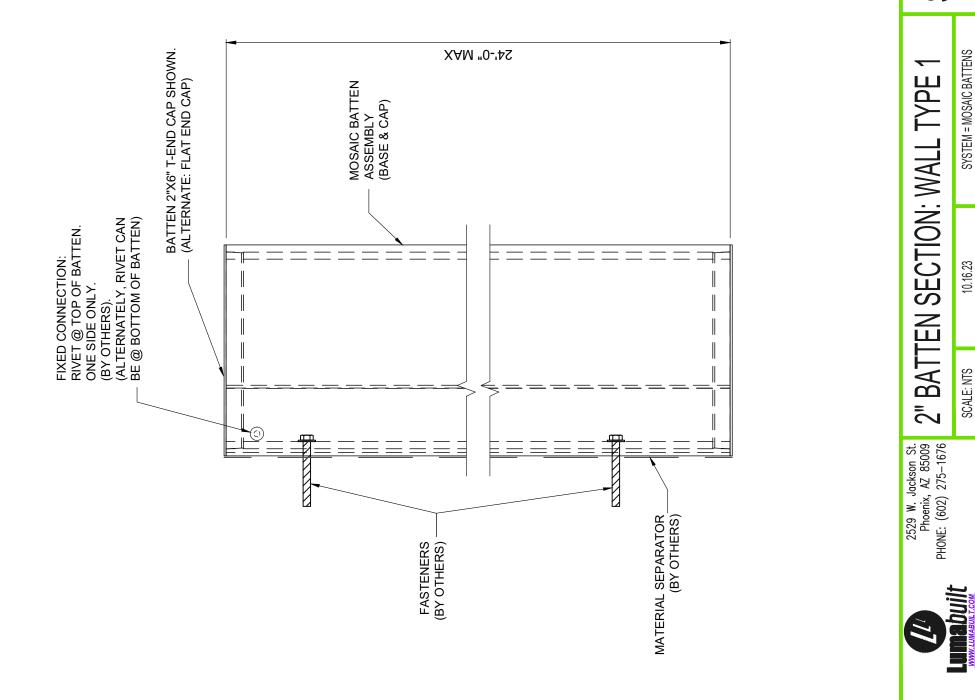
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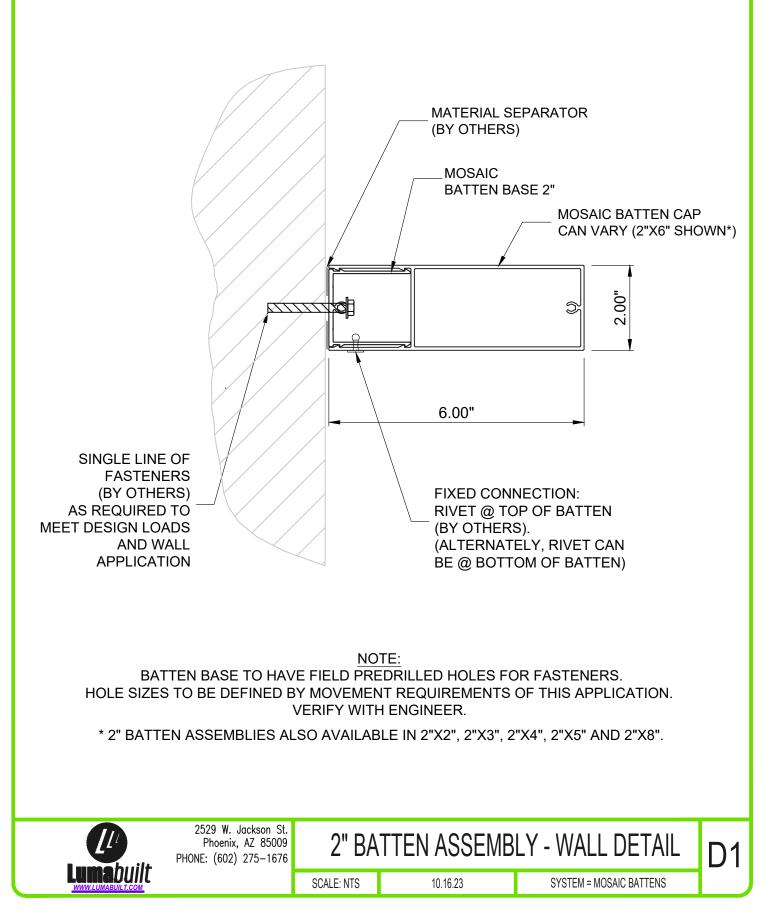


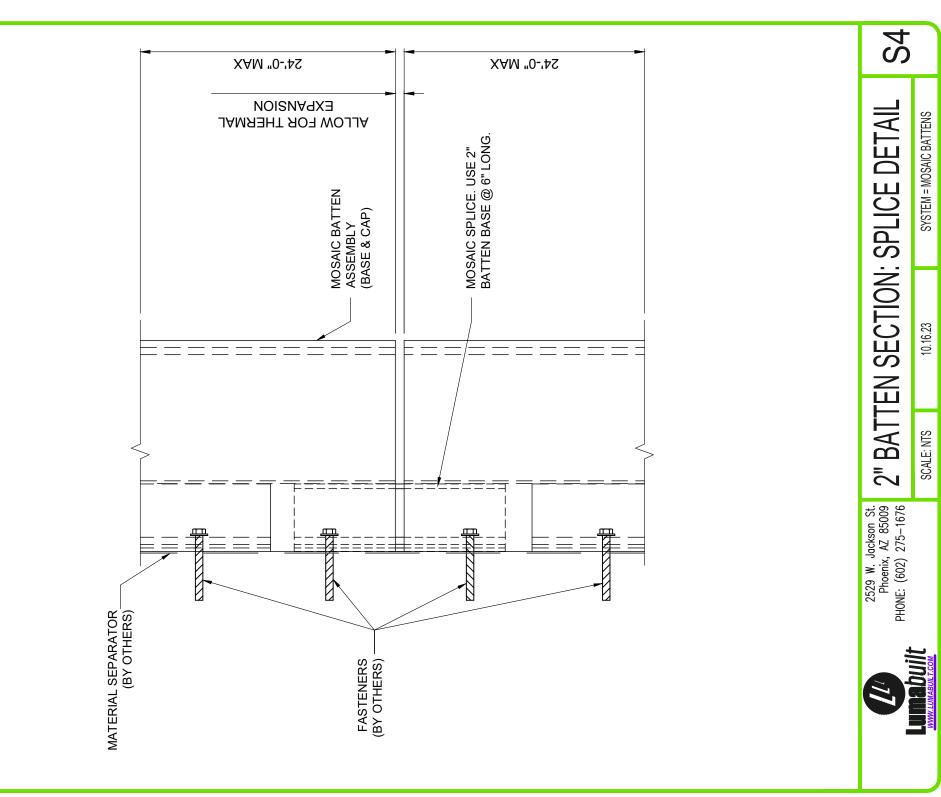


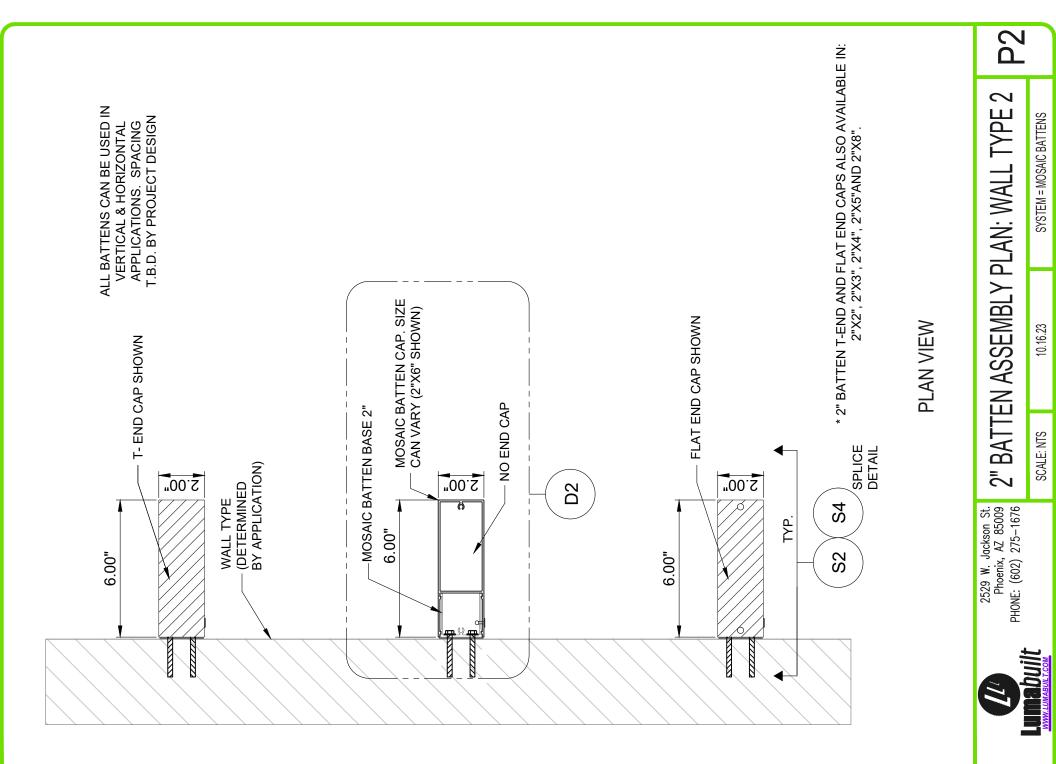


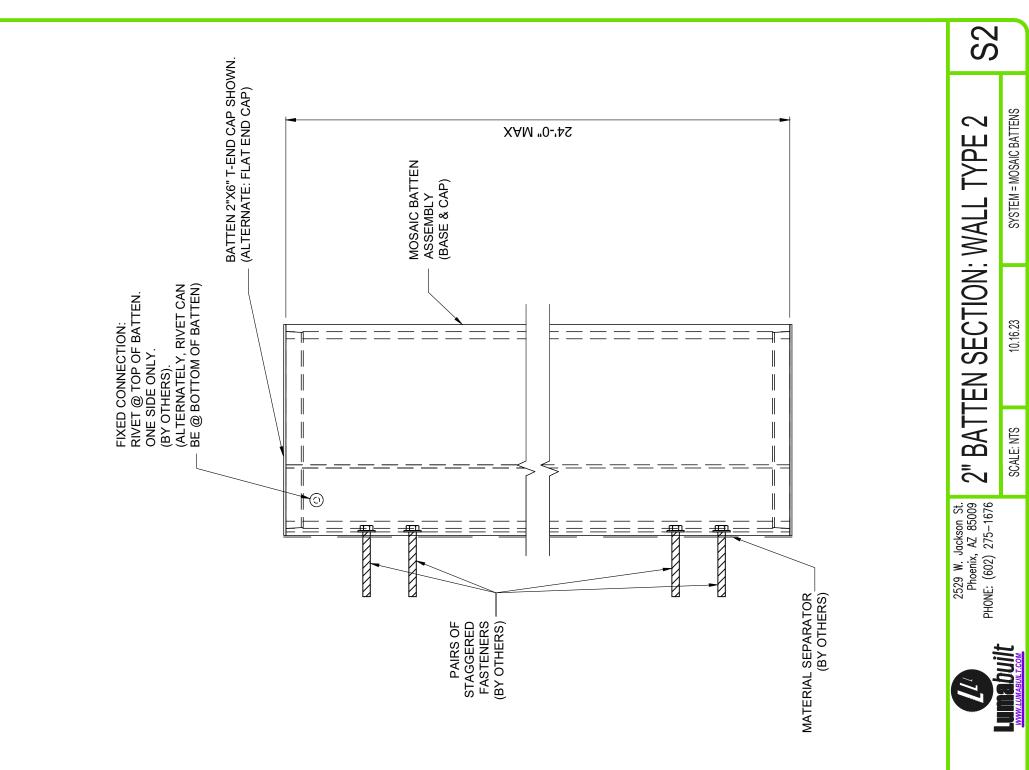


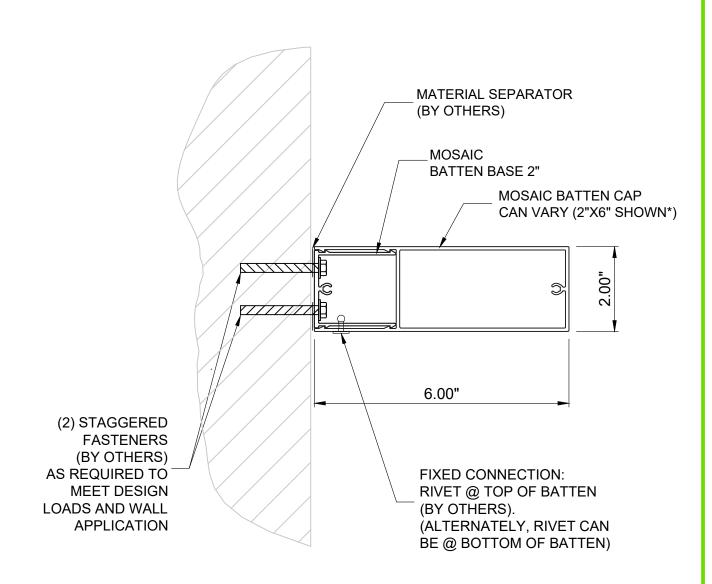
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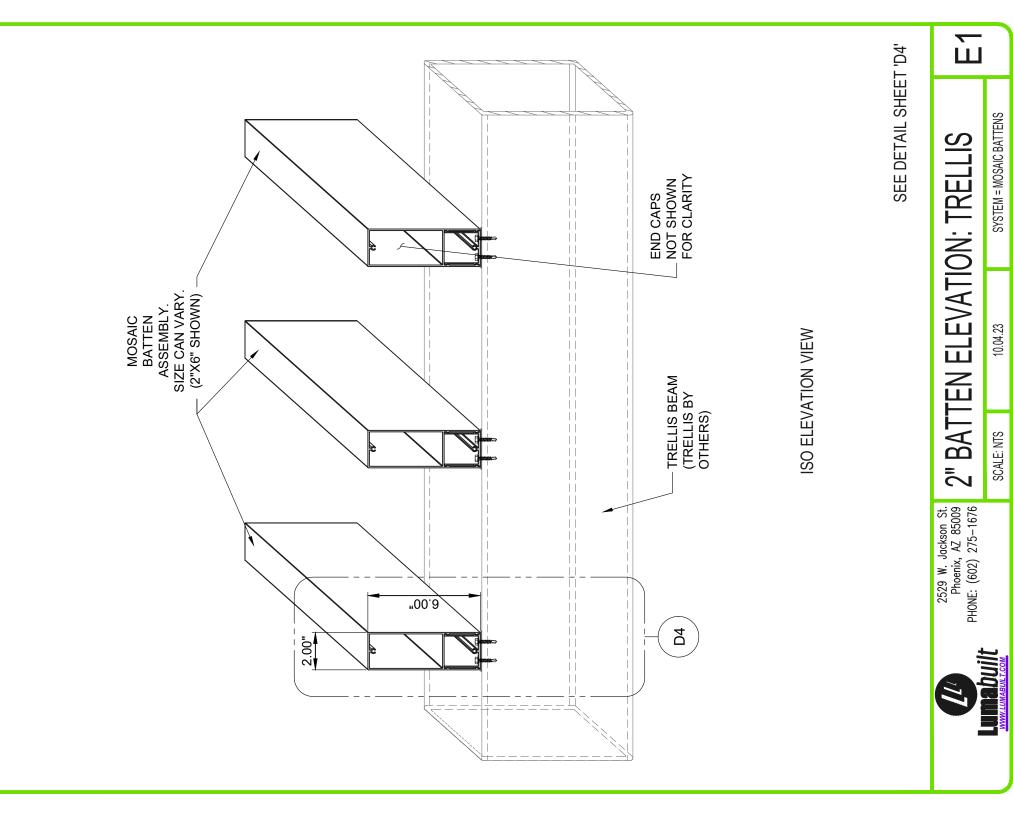


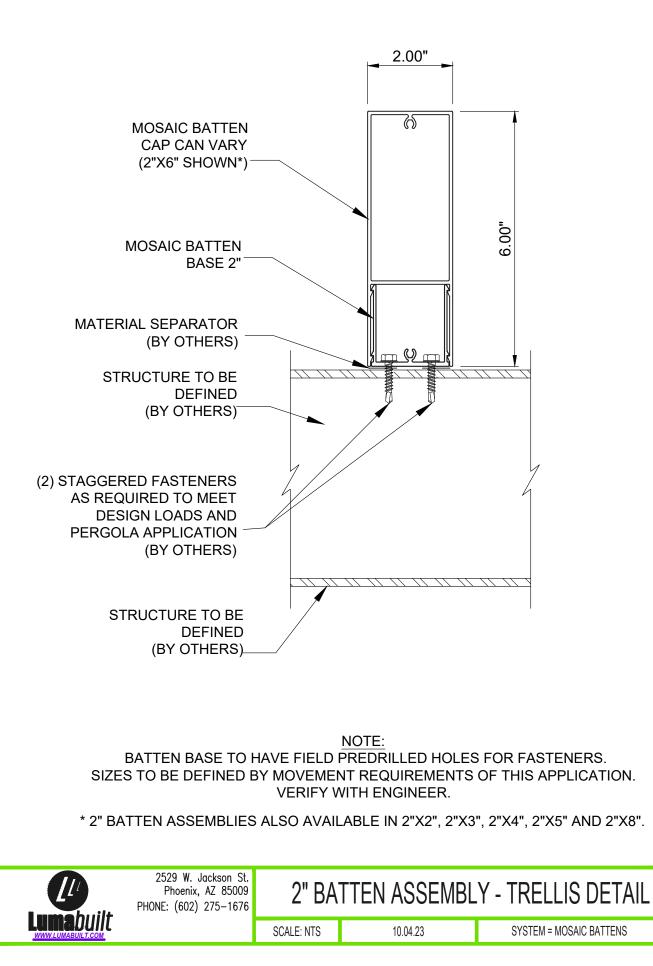


<u>NOTE:</u> BATTEN BASE TO HAVE FIELD PREDRILLED HOLES FOR FASTENERS. HOLE SIZES TO BE DEFINED BY MOVEMENT REQUIREMENTS OF THIS APPLICATION. VERIFY WITH ENGINEER.

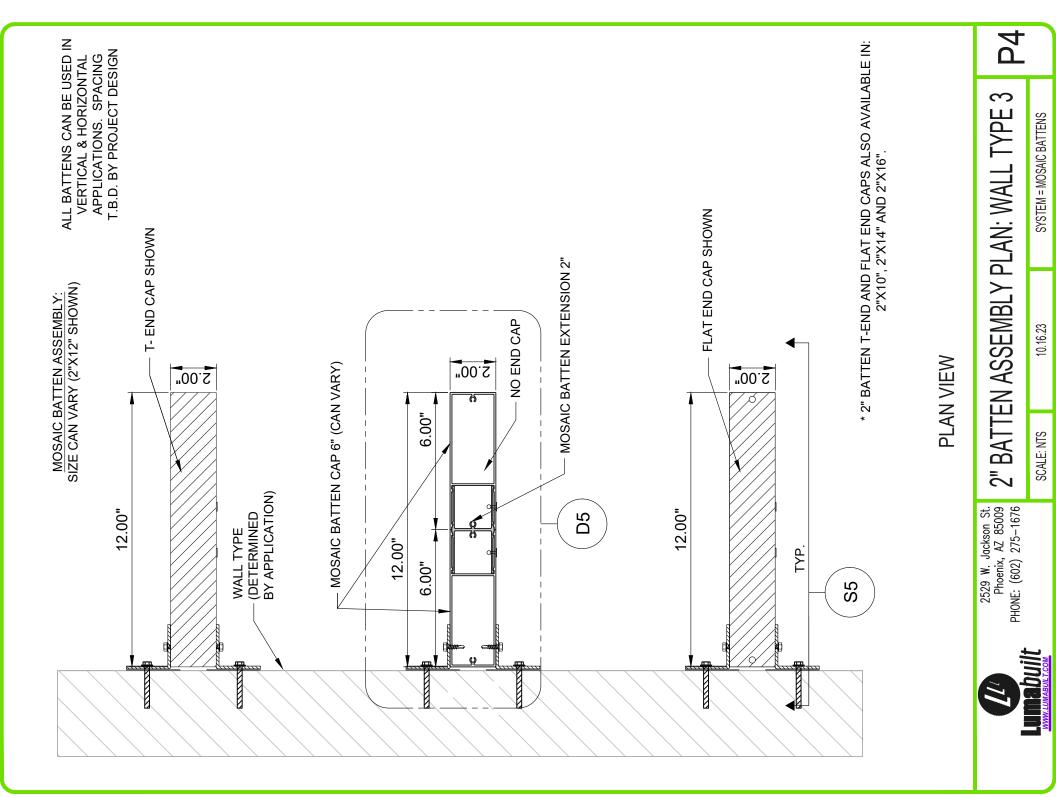
* 2" BATTEN ASSEMBLIES ALSO AVAILABLE IN 2"X2", 2"X3", 2"X4", 2"X5" AND 2"X8".

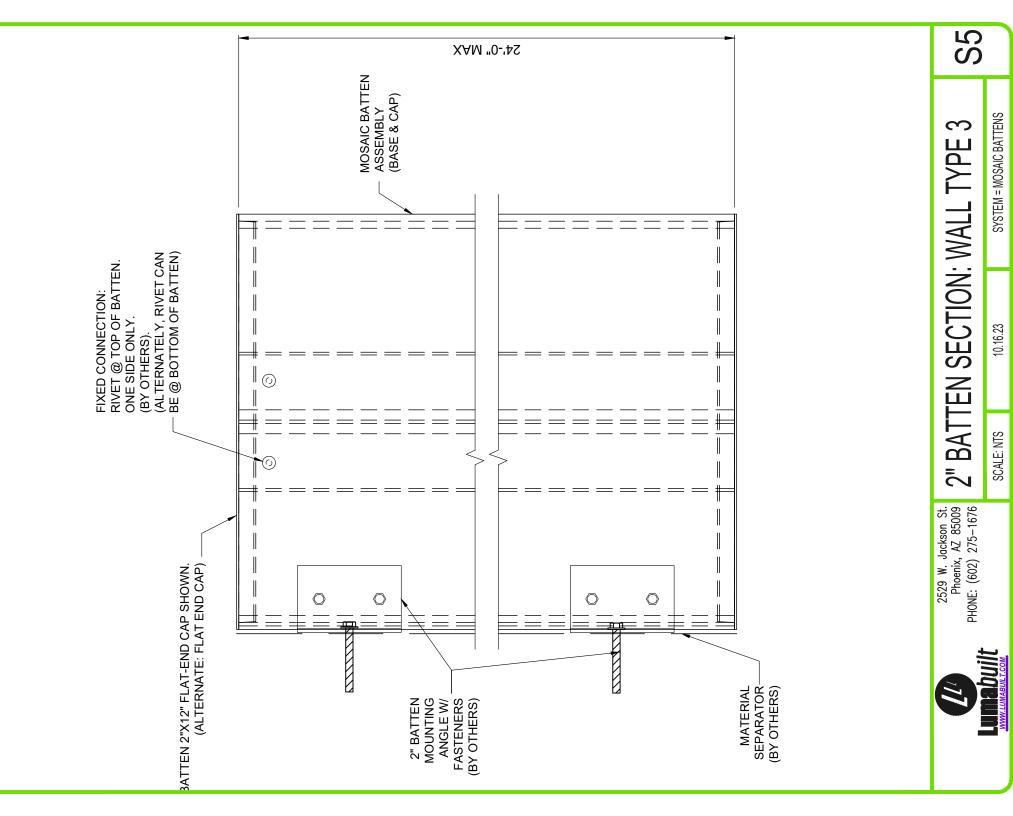


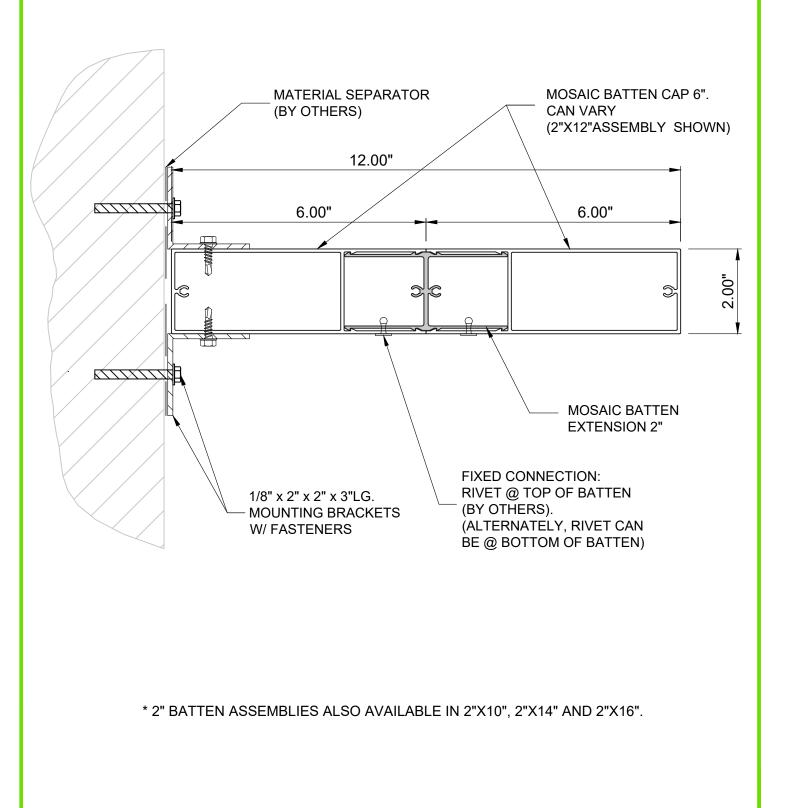




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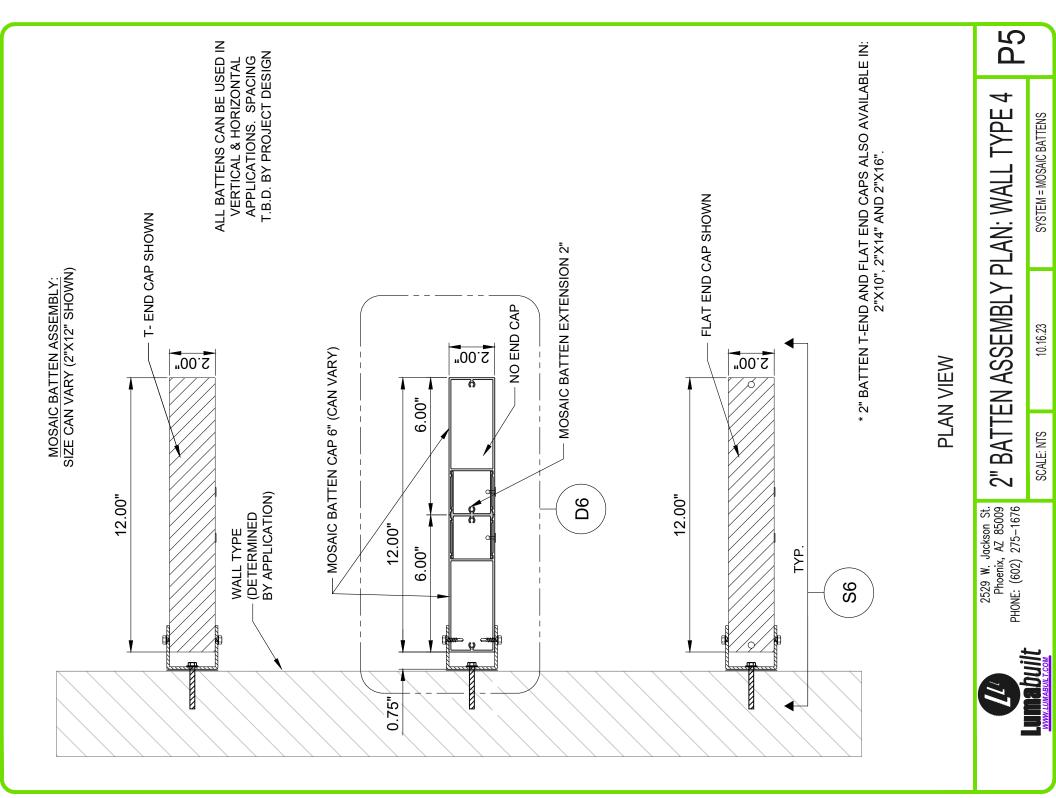
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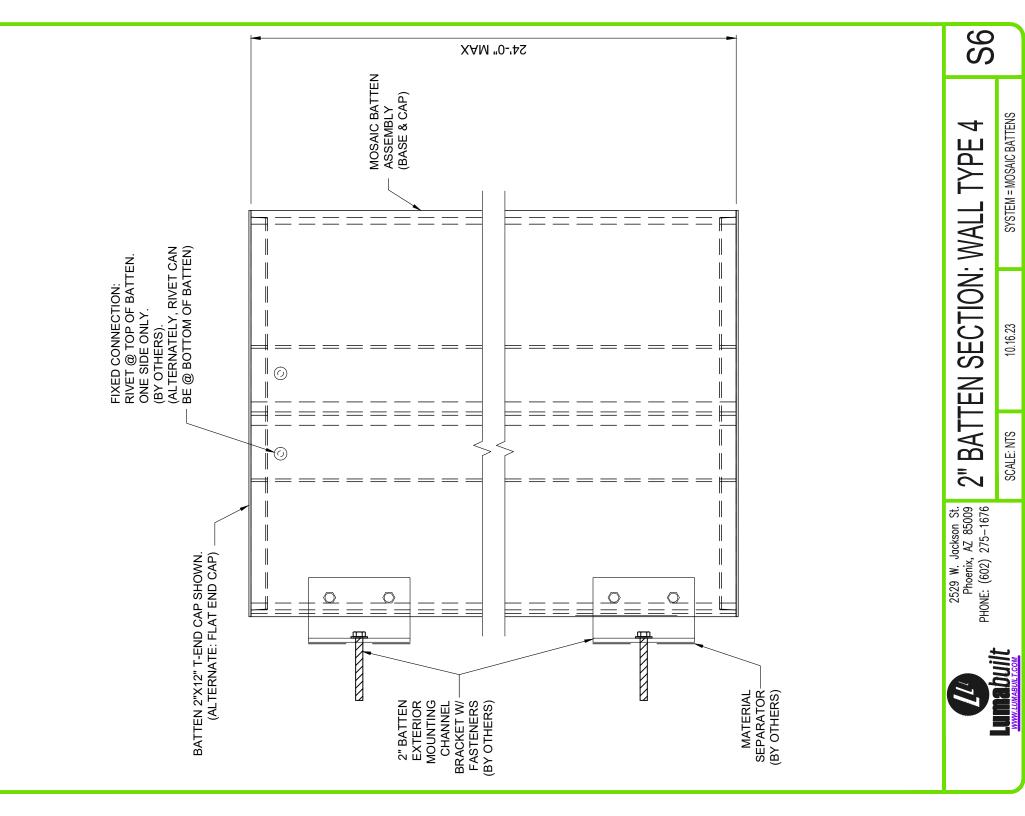
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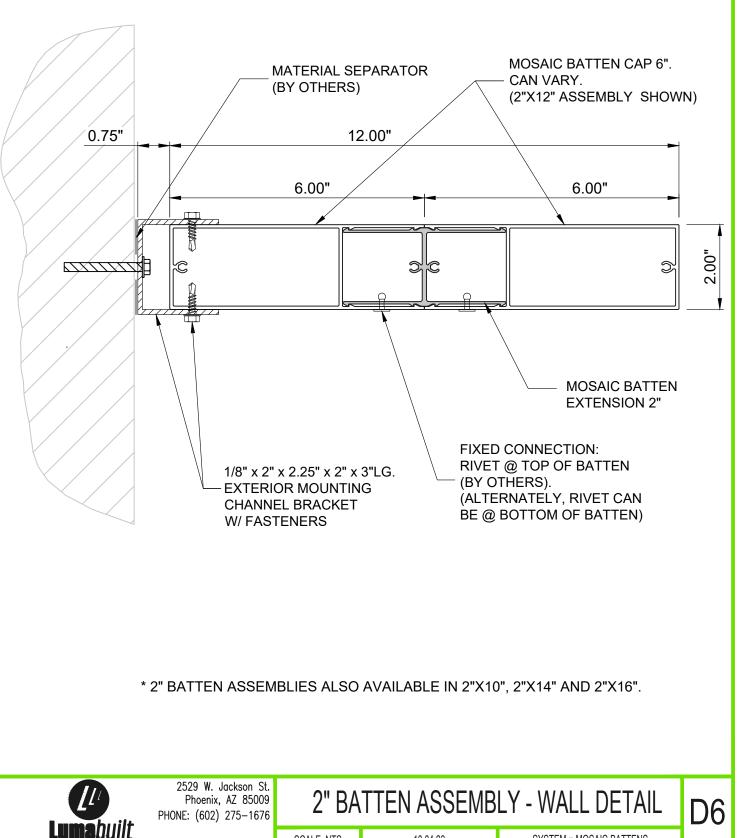
2" BATTEN ASSEMBLY - WALL DETAIL

SYSTEM = MOSAIC BATTENS

D5



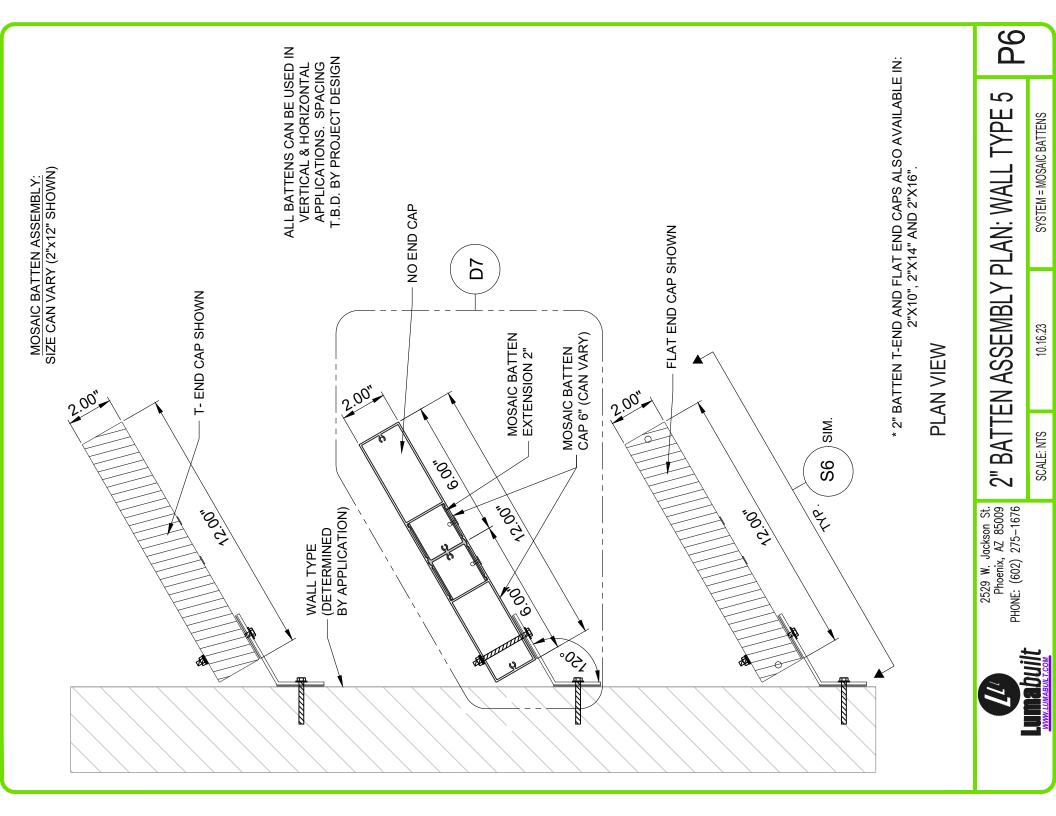


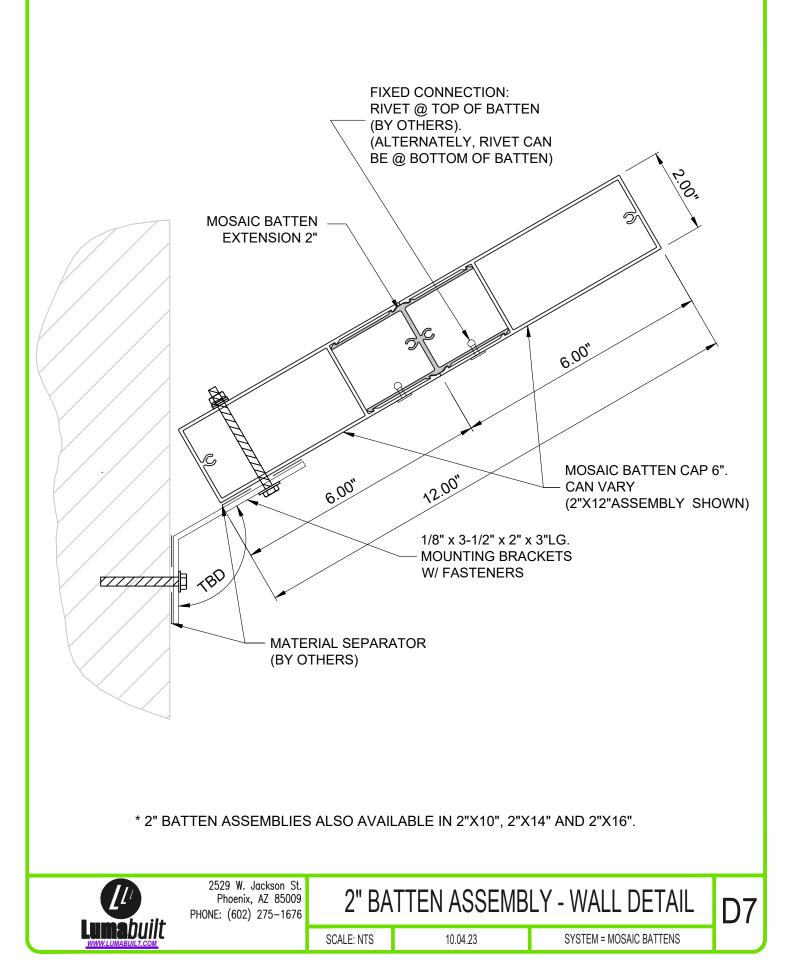


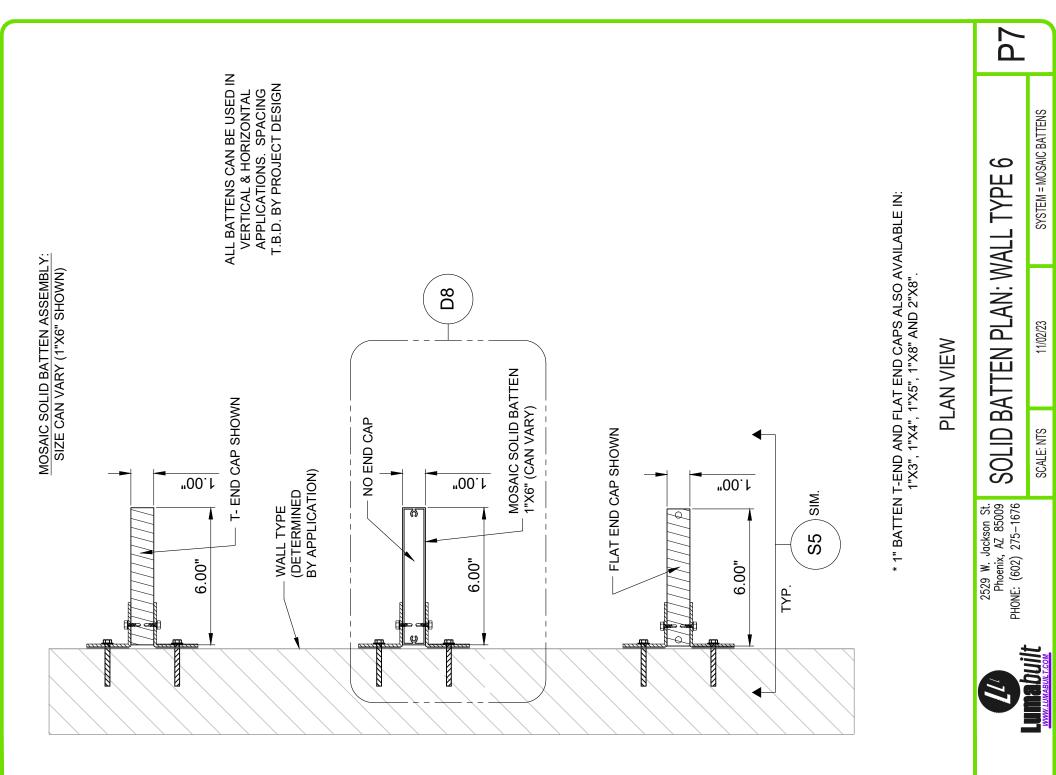
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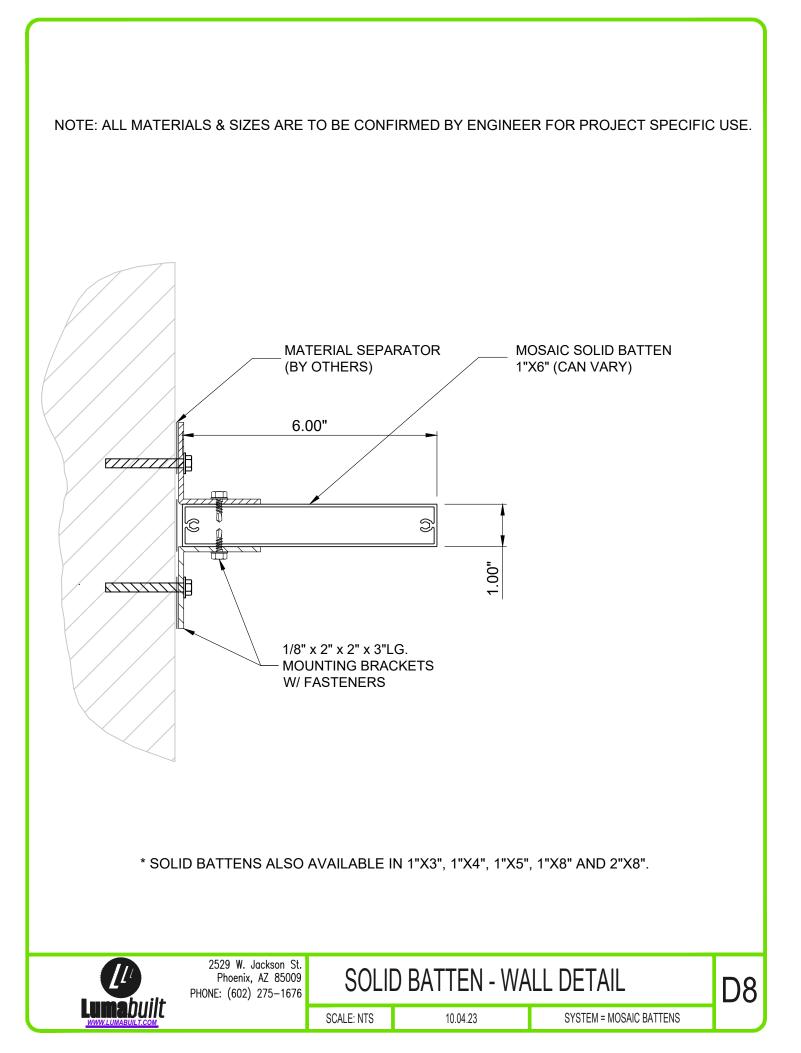
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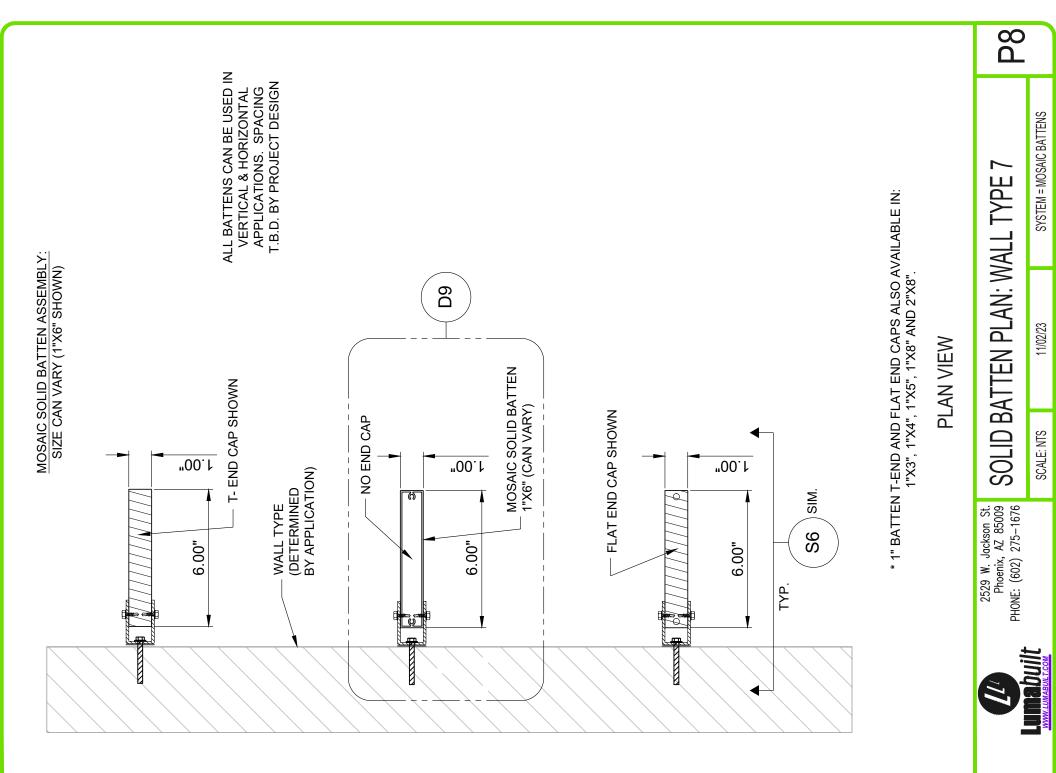
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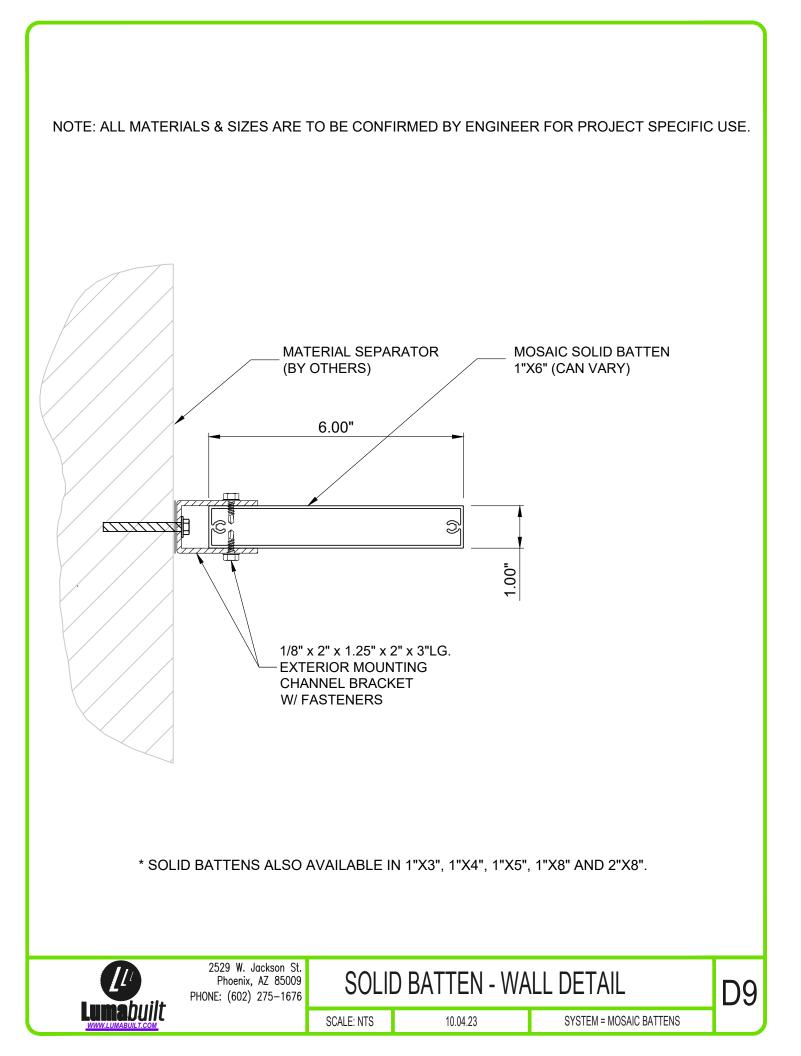


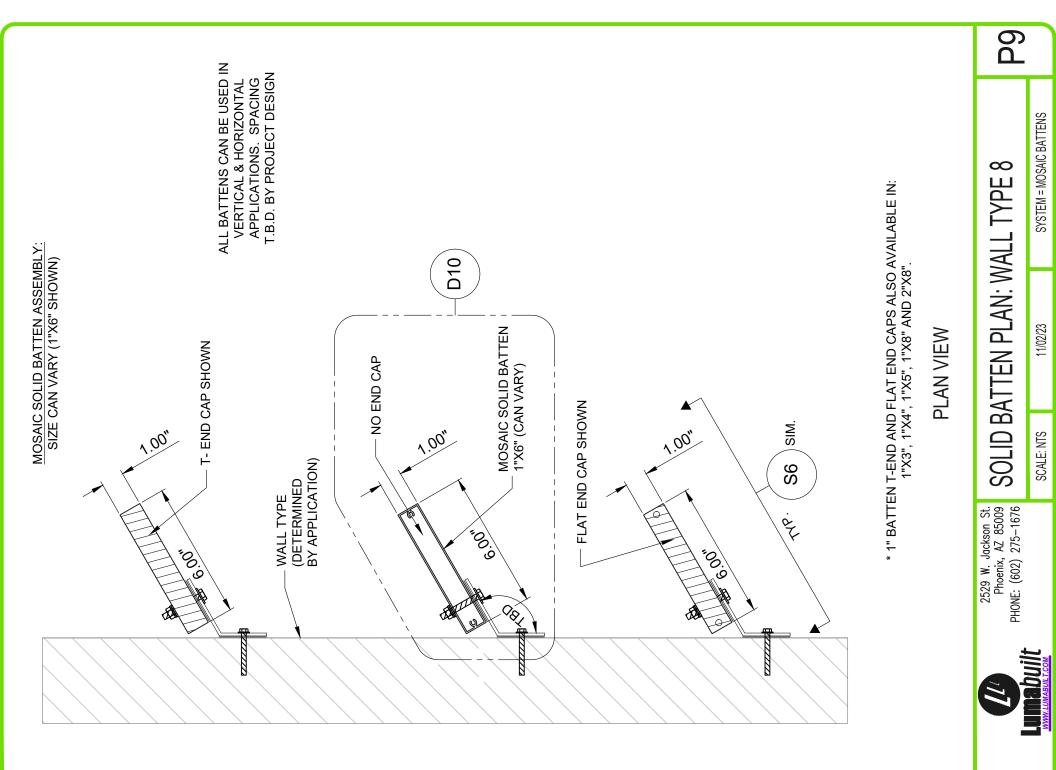


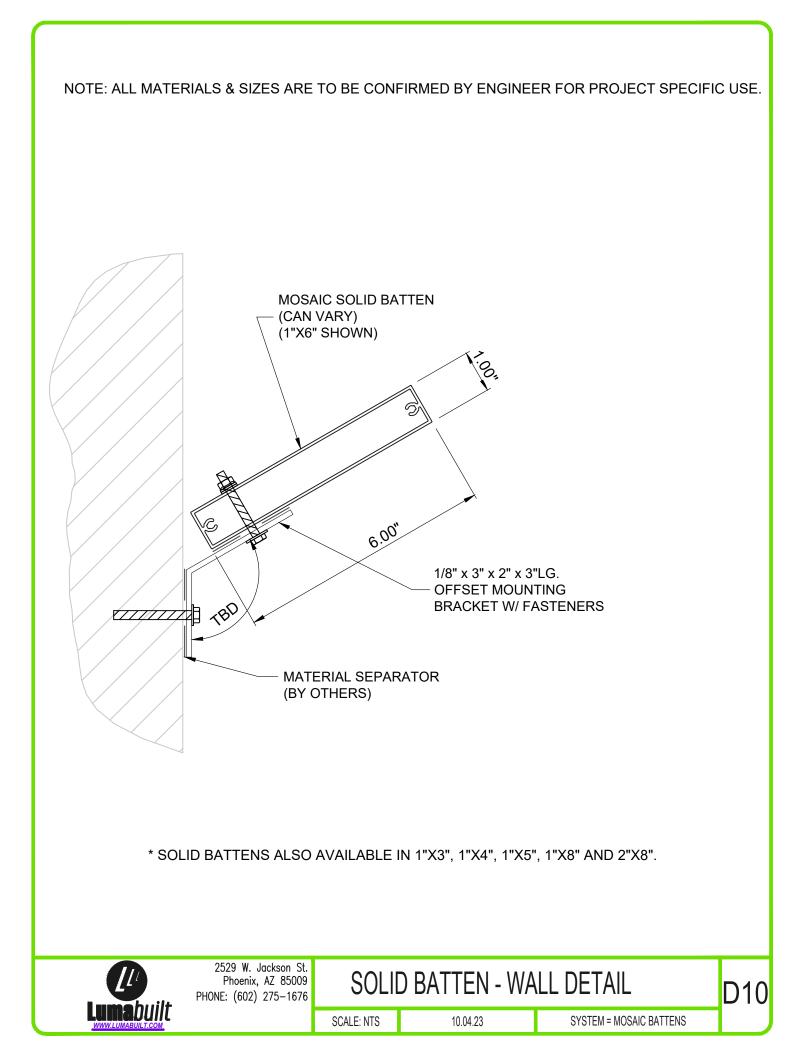


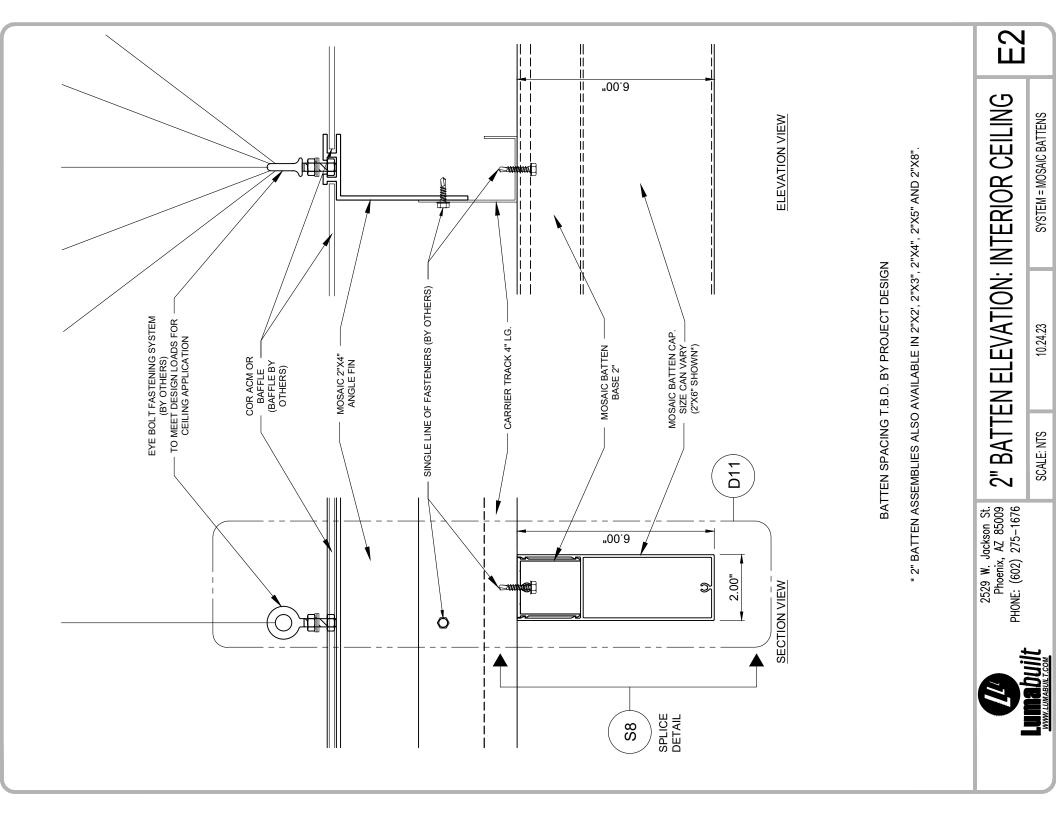


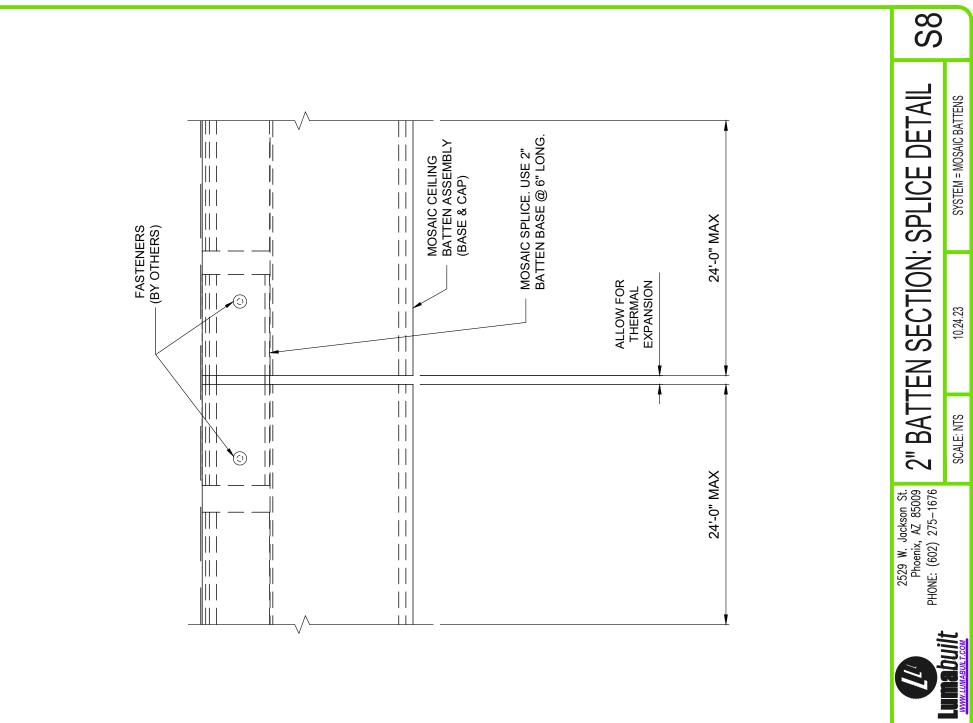




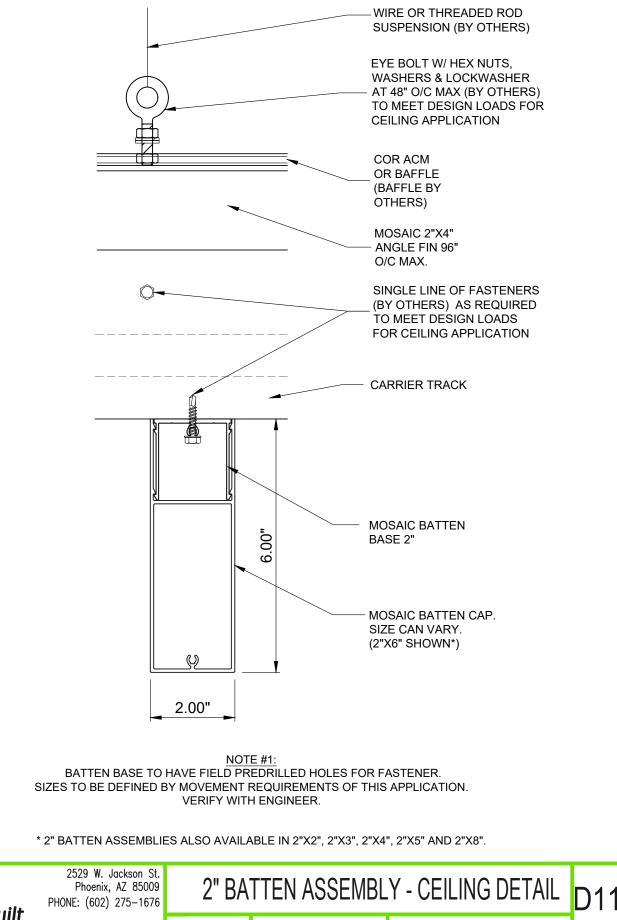








NOTE: ALL MATERIALS & SIZES ARE TO BE CONFIRMED BY ENGINEER FOR PROJECT SPECIFIC USE.

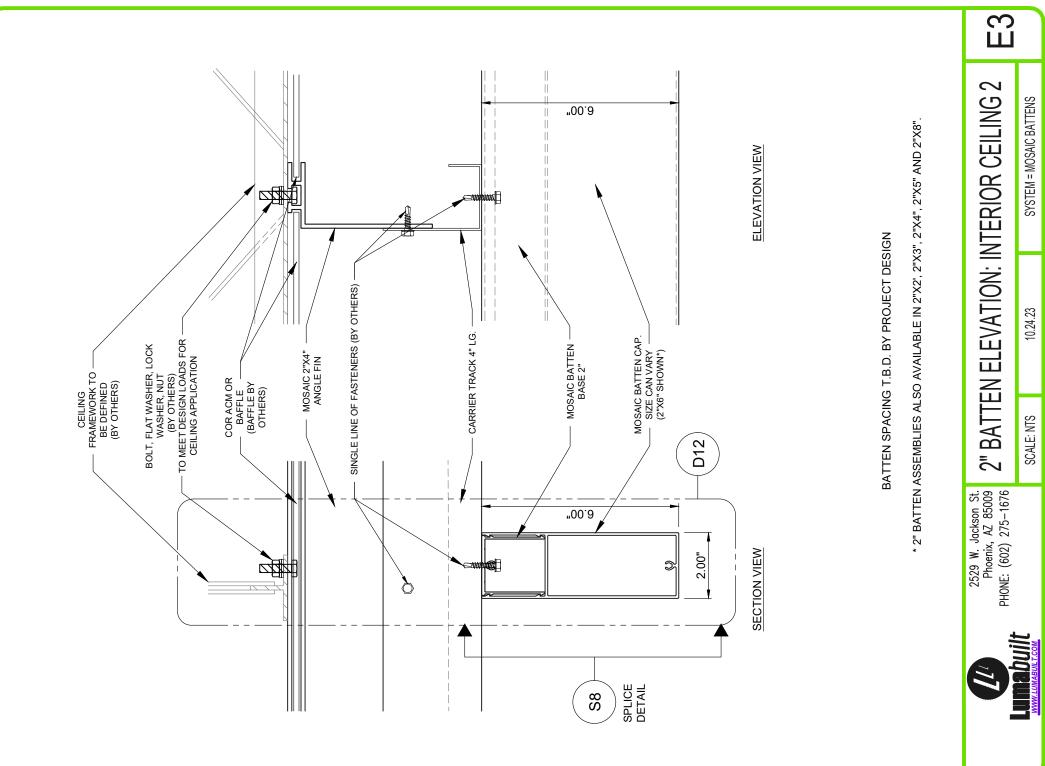


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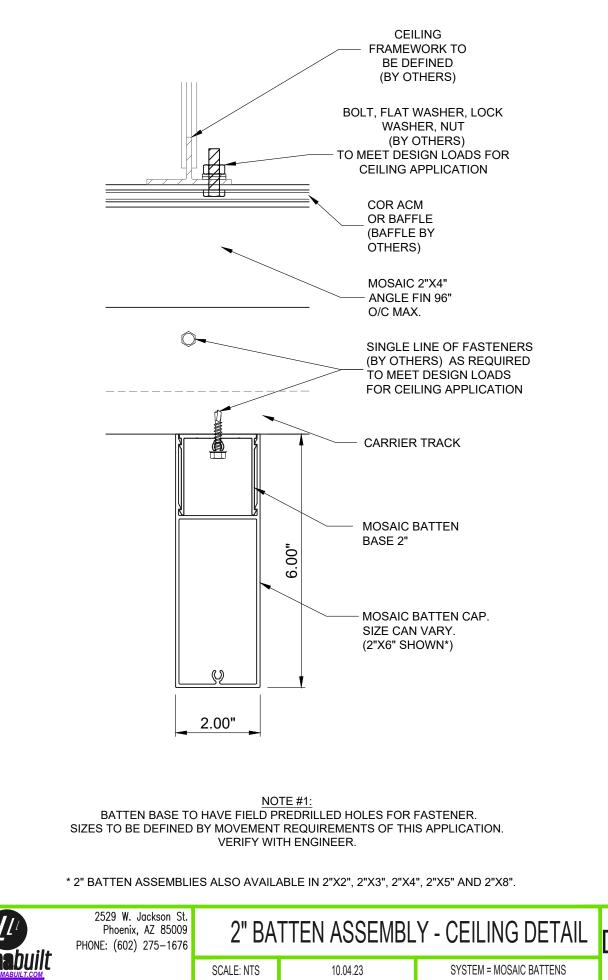
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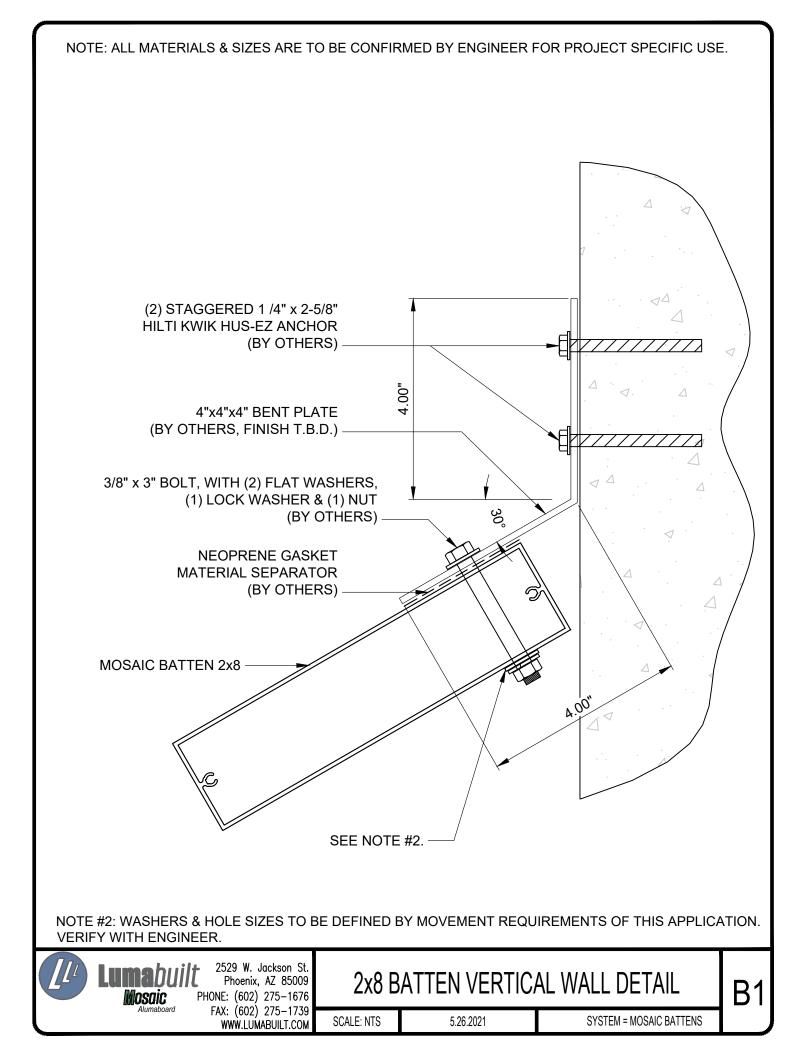
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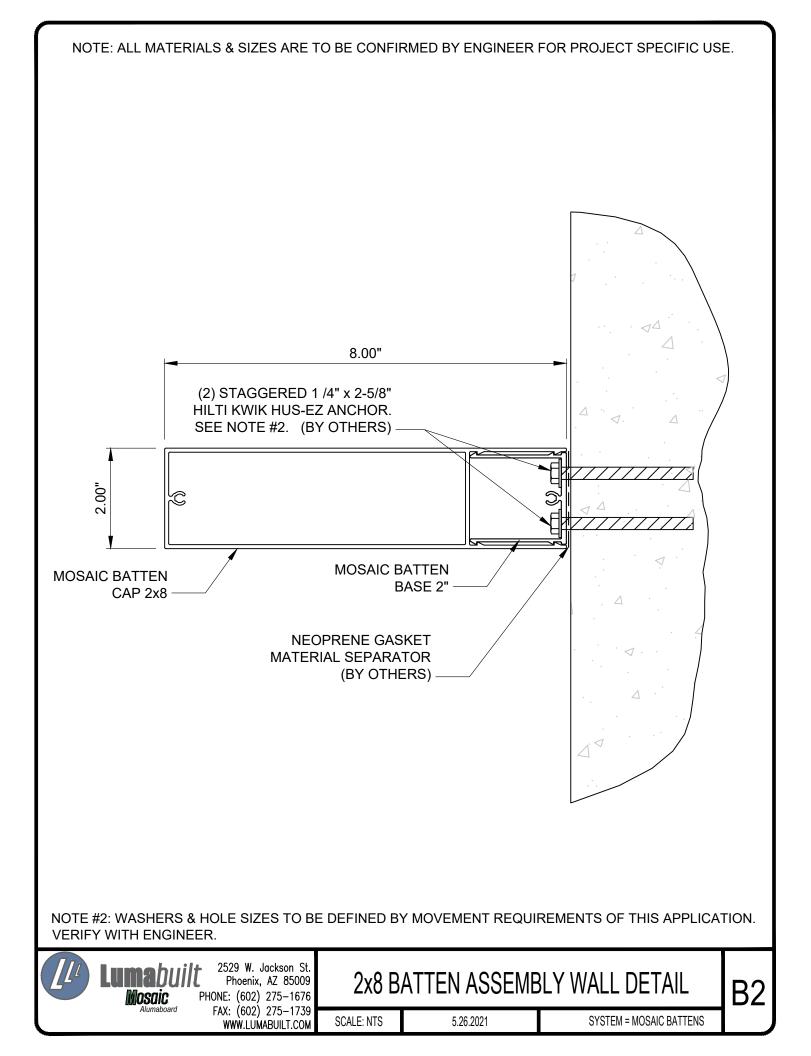


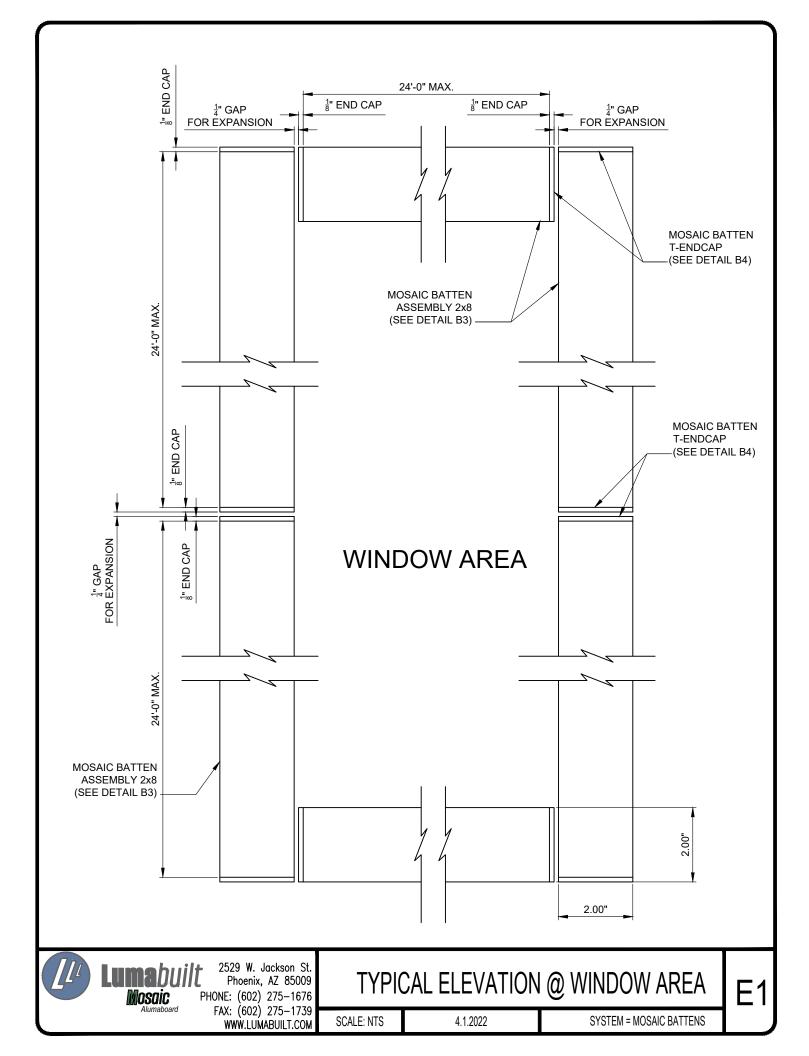
NOTE: ALL MATERIALS & SIZES ARE TO BE CONFIRMED BY ENGINEER FOR PROJECT SPECIFIC USE.



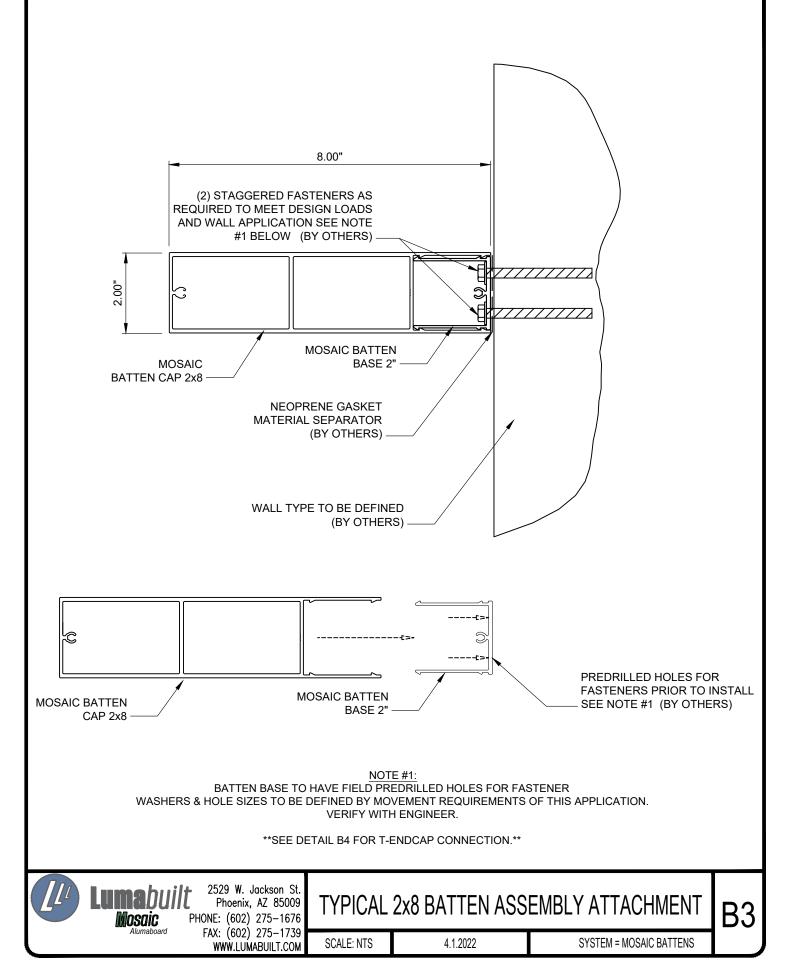
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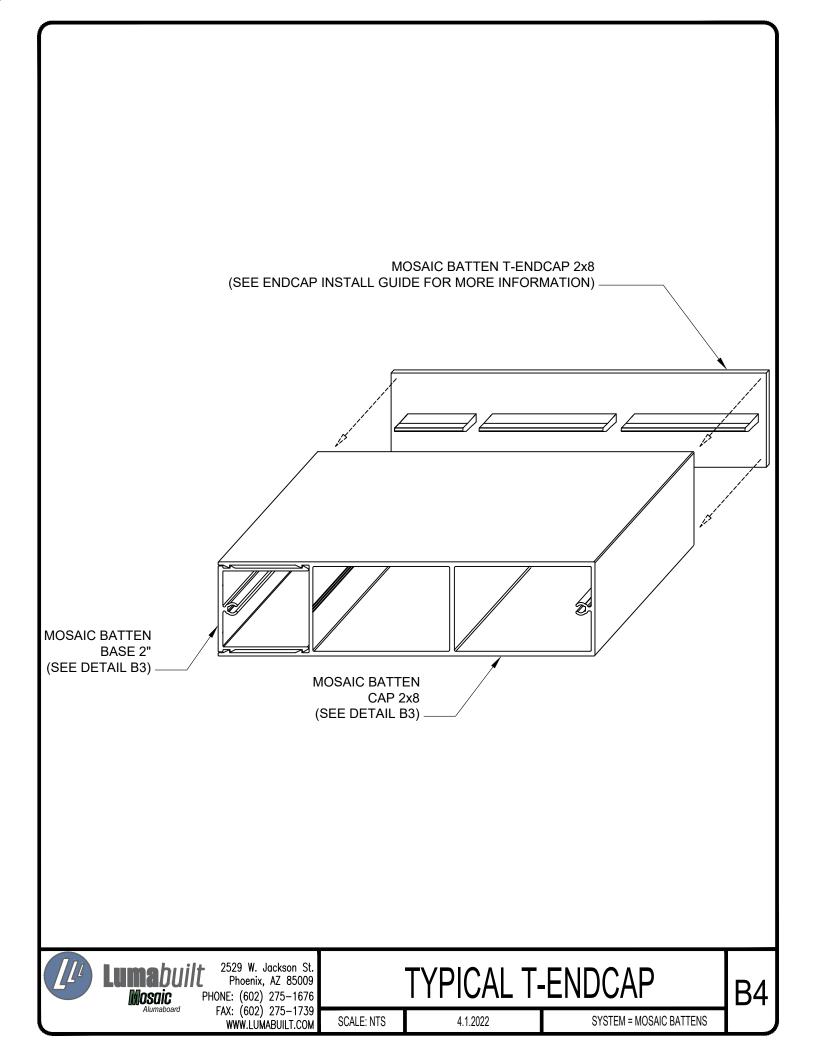






NOTE: ALL MATERIALS & SIZES ARE TO BE CONFIRMED BY ENGINEER FOR PROJECT SPECIFIC USE.





intertal	PROJECT: 2" Snap Tube Span Tables	BY:	DCC	DATE: 09/30/2019
intertek	PROJECT NO.: K2215.01-122-34	СКД	: MJT	SHEET: 1 OF 22

Span Table Analysis

2" Snap Tubes 2"x2", 2"x3", 2"x6", 2"x8"

Report K2115.01-122-34

Rendered to:

ROLLFAB METAL PRODUCTS, LLC 2529 West Jackson Street Phoenix, Arizona 85009

Prepared by:

Daniel C. Culbert, P.E. Michael J. Thorley, P.E.

Architectural Testing, Inc. 130 Derry Court York, Pennsylvania 17406 (717) 764-7700

September 30, 2019

Digitally Signed by: Daniel Craig Culbert

Daniel C. Culbert, P.E. Engineer Team Leader 2019.09.30 15:29:41 -04'00'

JJM

Digitally Signed by: Michael Thorley

Michael J. Thorley, P.E. Engineer Team Leader



<u>Scope</u>

Architectural Testing, Inc., an Intertek company, was contracted by Rollfab Metal Products, LLC to calculate allowable design pressures for extruded aluminum tube products. Various Rollfab 2" snap tubes are evaluated as shown in the referenced drawings.

The analyses performed satisfy the methods and requirements of the following:

Aluminum Design Manual 2010, The Aluminum Association, Inc., 2010.

AAMA TIR-A9-14 *Metal Curtain Wall Fasteners,* American Architectural Manufacturers Association, 2015.

The calculations presented herein are for the integrity of the structural performance of the snap tubes only. The mechanical connections and weather tightness of the installation is not addressed by this report. The air/water/structural performance of the individual products is not proven by this report.

The building substrate is assumed to have the integrity to resist the anchor loads developed by the products. Furthermore, the results of the analyses present a solution that satisfies the scope of the project, but other feasible solutions may exist.

Analyses

Section Properties

The section properties are calculated for each individual part in both the X axis and Y axis since the section may be loaded in either direction. The members are extruded 6063-T6 aluminum unless noted otherwise. Geometric properties of the members are calculated on page 7 through page 11. Table 1 below summarizes the self-weight of the parts. Table 2 and 3 provide the moment of inertia (I), maximum centroid distance (c_{max}), and minimum section modulus (S_{min}) of parts for loading in either the X axis or Y axis. Table 4 (page 4) combines the 2"x base with the various 2x snap caps to provide total I and S for each section.

Part	Area (in²)	Weight (lb/ft)
2"x Snap Tube Base	0.4462	0.5221
2"x2" Snap Tube Cap	0.4652	0.5443
2"x3" Snap Tube Cap	0.6693	0.7831
2"x6" Snap Tube Cap	1.2706	1.4866
2"x8" Snap Tube Cap	1.7383	2.0338

Table 1: Area and Self Weight of Tube Parts

Table 2: X Axis Section Properties of Individual Parts

Part	l (in ⁴)	C _{max} (in)	S _{min} (in ³)
2"x Snap Tube Base	0.1632	1.3679	0.1193
2"x2" Snap Tube Cap	0.1958	1.3317	0.1470
2"x3" Snap Tube Cap	0.6085	1.9278	0.3156
2"x6" Snap Tube Cap	4.3730	3.3396	1.3094
2"x8" Snap Tube Cap	9.9778	4.3640	2.2864

Table 3: Y Axis Section Pro	operties of Individual Parts
-----------------------------	------------------------------

Part	I (in⁴)	C _{max} (in)	S _{min} (in ³)
2"x Snap Tube Base	0.2151	0.9243	0.2327
2"x2" Snap Tube Cap	0.3125	1.0000	0.3125
2"x3" Snap Tube Cap	0.4839	1.0000	0.4839
2"x6" Snap Tube Cap	0.9498	1.0000	0.9498
2"x8" Snap Tube Cap	1.2868	1.0000	1.2868

Table 4: Combined X and Y Axis Section Properties of Combined Parts

Section	ХА	xis	Y	Axis
Section	l (in⁴)	S _{min} (in ³)	I (in⁴)	S _{min} (in³)
2"x2" Snap Tube Cap with Base	0.3590	0.2663	0.5276	0.5452
2"x3" Snap Tube Cap with Base	0.7717	0.4350	0.6990	0.7166
2"x6" Snap Tube Cap with Base	4.5362	1.4287	1.1649	1.1825
2"x8" Snap Tube Cap with Base	10.1410	2.4057	1.5019	1.5195

Allowable Design Pressure Analysis

Stress and deflection analyses were conducted for the free-spanning members. The members were analyzed as a simply supported beam. The sections were analyzed for spans from 2 feet to 10 feet in 1 foot increments and load widths from 1 foot to 4 foot in six inch increments. The proposed geometry is used to verify that the deflections are less than $\ell/240$. In addition, the member stresses are checked against the allowable stress design (ASD) values. The allowable design pressure at each span and load width is back calculated for the limiting case between the stress and the deflection. Additionally, end reactions are calculated for the sections based on the span, spacing, and calculated design pressure. The design pressures are limited to a maximum of 75 psf to keep reactions to a reasonable limit. A representative calculation is provided on page 12 through page 13 and all of the analyses are summarized in tables on page 14 through page 21.

Limitations

This report is intended only to address the structural capacity of the snap tubes. The connection of the individual snap tube piece to each other is outside the scope of this report. The anchorage of the snap tubes to project substrates should be checked for exact project spans and design loads on a project by project basis. All attributes of the tube system beyond the structural loads (i.e. air water, fire, durability, weathering, thermal) are outside the scope of this report. This report is provided for informational purposes and project specific calculations on design loads, spans, tributary widths, and anchorage should be calculated prior to installation.

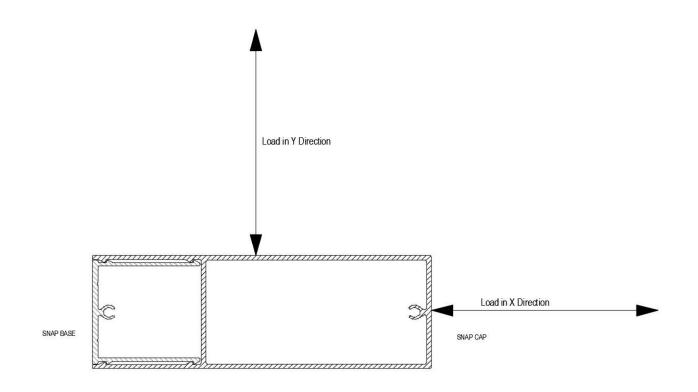
Referenced Drawings

The referenced drawings are the basis of the analysis presented herein and may not reflect the requirements established by this analysis.

2x Snap Tube. RollFab Metal Products. Revision 0, 09/07/17 (5 pages)

intertok	PROJECT: 2" Snap Tube Span Tables	BY: DCC DA	TE: 09/30/2019
intertek	PROJECT NO.: K2215.01-122-34	CKD: MJT SH	EET: 6 OF 22

Typical Load Direction



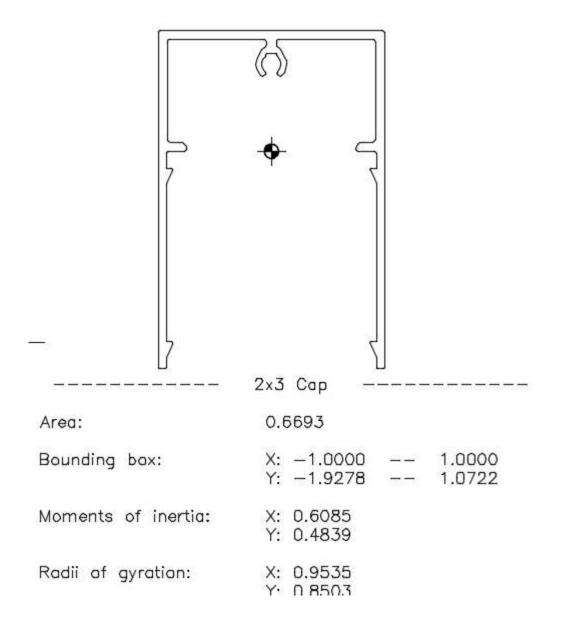
intertek	PROJECT: 2" Snap T	ube Span Tables	BY: DCC DATE: 09/30/2019
Uncercek	PROJECT NO.: K221	5.01-122-34	CKD: MJT SHEET: 7 OF 22
		• 2× Base	
Area:		0.4462	
Bounding	box:	X: -0.9243 Y: -0.5521	0.9239 1.3679
Moments	of inertia:	X: 0.1632 Y: 0.2151	
Radii of q	gyration:	X: 0.6048 Y: 0.6944	

intertok	PROJECT: 2" Snap Tube Span Tables	BY: DCC DATE: 09/30/2019
intertek	PROJECT NO.: K2215.01-122-34	CKD: MJT SHEET: 8 OF 22

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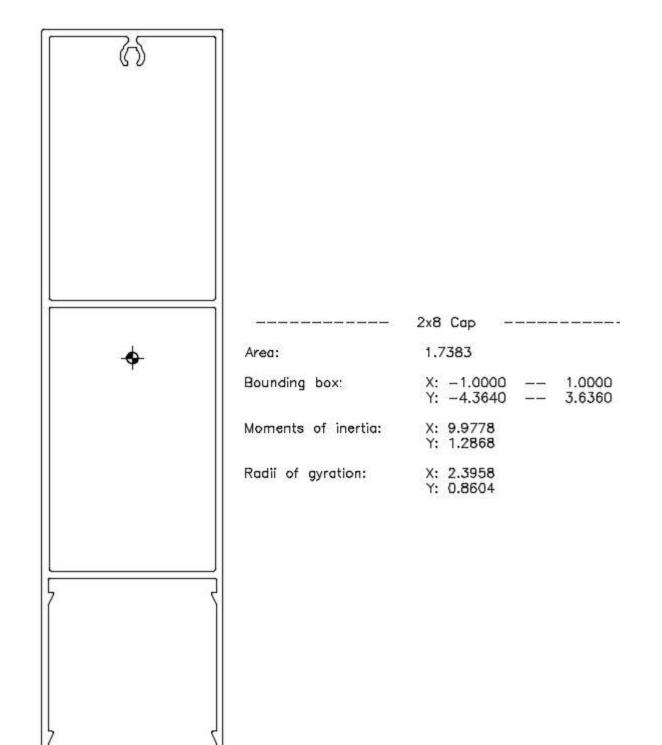
7	\$ \$
	2x2 Cap
Area:	0.4652
Bounding box:	X: -1.0000 1.0000 Y: -1.3317 0.6683
Moments of inertia:	X: 0.1958 Y: 0.3125
Radii of gyration:	X: 0.6488 Y: 0.8196

intertok	PROJECT: 2" Snap Tube Span Tables	BY: DCC DATE: 09/30/2019
intertek	PROJECT NO.: K2215.01-122-34	CKD: MJT SHEET: 9 OF 22



intertek	PROJECT: 2" Snap T	ube Span Tables		BY: DCC	DATE	: 09/30/2019
UICEICEN	PROJECT NO.: K221	5.01-122-34		CKD: MJT	SHEE	r : 10 OF 22
		Area: Bounding box: Moments of inertia: Radii of gyration:	1.270 X: — Y: —,	06 1.0000 3.3396 3730 9498 8552		1.0000 2.6604

intertek	PROJECT: 2" Snap Tube Span Tables	BY: DCC	DATE: 09/30/2019
	PROJECT NO.: K2215.01-122-34	СКD: МЈТ	SHEET: 11 OF 22



intertek	PROJECT: 2" Snap Tube Span Tables	BY: DCC DATE: 09/30/2019
Uncercek	PROJECT NO.: K2215.01-122-34	CKD: MJT SHEET: 12 OF 22

Example Calculation

2x Base Tube with 2x2 Snap Tube Cap Loaded in X Direction

Analyze a 4-0 Span With 3-0 Load Width

Assuming Pinned-Pinned End Conditions and Uniform Loading

6063-T6 Aluminum

E = 10,000,000 psi

Fb = 15,152 psi

Deflection Limit is L/240

Stress

Fb = M/S

 $M = W L^{2}/8 = DP(width) L^{2}/8$

Combine and Solve For DP

 $DP = 8 F_b S / Width L^2$

 $DP = (8)(15,152 \text{ psi})(0.2663 \text{ in}^3)/(36")(48")^2$

DP = 0.4378 psi (63.0 psf)

intertek	PROJECT: 2" Snap Tube Span Tables	BY: DCC	DATE: 09/30/2019
	PROJECT NO.: K2215.01-122-34	CKD: MJT	SHEET: 13 OF 22

Example Calculation (Continued)

Deflection

 $\Delta_{max} = L/240 = 5 \text{ w } L^4 / 384 \text{ EI}$

W = DP x Width

Combine and Solve For DP

 $DP = 384 \text{ EI} / 5 \text{ width } L^3 240$

DP = 384 (10,000,000 psi)(0.3590 in⁴)/ (5)(36")(48")³(240)

DP = 0.2885 psi (41.6 psf)

Limiting Deflection

Minimum of Stress and Deflection

Top out at 75 psf for practical design limit

Minimum (63.0 psf, 41.6 psf, 75.0 psf) = 41.6 psf

Reaction

R = V = wL/2

R = DP width L/2

 $R = (41.6 \text{ psf})(1 \text{ ft}^2/144 \text{ in}^2)(36'')(48''/2)$

R = 250 lb

2x Base with 2x2 Snap Cap

Loaded in X Axis

				Tributary Width								
_		12''	18''	24''	30''	36''	42''	48''				
	24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf				
	24	75	113	150	188	225	263	300				
	36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	74 psf				
	30	113	169	225	281	338	394	443				
	48''	>75 psf	>75 psf	62 psf	50 psf	42 psf	36 psf	31 psf				
	40	150	225	249	249	249	249	249				
	60''	64 psf	43 psf	32 psf	26 psf	21 psf	18 psf	16 psf				
an		160	160	160	160	160	160	160				
Product Span	72''	37 psf	25 psf	18 psf	15 psf	12 psf	11 psf	9 psf				
onpo		111	111	111	111	111	111	111				
Pro	84''	23 psf	16 psf	12 psf	9 psf	8 psf	7 psf	6 psf				
	84	81	81	81	81	81	81	81				
	96''	16 psf	10 psf	8 psf	6 psf	5 psf	4 psf	4 psf				
	90	62	62	62	62	62	62	62				
	100!!	11 psf	7 psf	5 psf	4 psf	4 psf	3 psf	3 psf				
	108''	49	49	49	49	49	49	49				
	1201	8 psf	5 psf	4 psf	3 psf	3 psf	2 psf	2 psf				
	120''	40	40	40	40	40	40	40				

2x Base with 2x2 Snap Cap

Loaded in Y Axis

				Ī	ributary Wid	t <u>h</u>		
_		12''	18''	24''	30''	36''	42''	48''
	24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	24	75	113	150	188	225	263	300
	36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	30	113	169	225	281	338	394	450
	48''	>75 psf	>75 psf	>75 psf	73 psf	61 psf	52 psf	46 psf
	40	150	225	300	366	366	366	366
	60''	>75 psf	63 psf	47 psf	38 psf	31 psf	27 psf	23 psf
		188	234	234	234	234	234	234
	72''	54 psf	36 psf	27 psf	22 psf	18 psf	16 psf	14 psf
nnc		163	163	163	163	163	163	163
ž	84''	34 psf	23 psf	17 psf	14 psf	11 psf	10 psf	9 psf
	84	120	120	120	120	120	120	120
	061	23 psf	15 psf	11 psf	9 psf	8 psf	7 psf	6 psf
	96''	92	92	92	92	92	92	92
	1001	16 psf	11 psf	8 psf	6 psf	5 psf	5 psf	4 psf
	108''	72	72	72	72	72	72	72
	1201	12 psf	8 psf	6 psf	5 psf	4 psf	3 psf	3 psf
	120''	59	59	59	59	59	59	59

2x Base with 2x3 Snap Cap

Loaded in X Axis

Member DP (psf) Member End Reactions (lbs) at Maximum Calculated DP

		Tributary Width								
	12''	18''	24''	30''	36''	42''	48''			
24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
24	75	113	150	188	225	263	300			
36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
50	113	169	225	281	338	394	450			
48''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	67 psf			
40	150	225	300	375	450	525	536			
60''	>75 psf	>75 psf	69 psf	55 psf	46 psf	39 psf	34 psf			
60	188	281	343	343	343	343	343			
72''	>75 psf	53 psf	40 psf	32 psf	26 psf	23 psf	20 psf			
12	225	238	238	238	238	238	238			
84''	50 psf	33 psf	25 psf	20 psf	17 psf	14 psf	12 psf			
04	175	175	175	175	175	175	175			
96''	33 psf	22 psf	17 psf	13 psf	11 psf	10 psf	8 psf			
90	134	134	134	134	134	134	134			
108''	24 psf	16 psf	12 psf	9 psf	8 psf	7 psf	6 psf			
TUS	106	106	106	106	106	106	106			
120"	17 psf	11 psf	9 psf	7 psf	6 psf	5 psf	4 psf			
120''	86	86	86	86	86	86	86			

Product Span

2x Base with 2x3 Snap Cap

Loaded in Y Axis

Member DP (psf) Member End Reactions (lbs) at Maximum Calculated DP

				Ī	ributary Widt	: <u>h</u>		
		12''	18''	24''	30''	36''	42''	48''
	24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	24	75	113	150	188	225	263	300
	36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	50	113	169	225	281	338	394	450
	48''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	69 psf	61 psf
		150	225	300	375	450	485	485
	60''	>75 psf	>75 psf	62 psf	50 psf	41 psf	36 psf	31 psf
		188	281	311	311	311	311	311
	72''	72 psf	48 psf	36 psf	29 psf	24 psf	21 psf	18 psf
		216	216	216	216	216	216	216
	84''	45 psf	30 psf	23 psf	18 psf	15 psf	13 psf	11 psf
	84	159	159	159	159	159	159	159
	96''	30 psf	20 psf	15 psf	12 psf	10 psf	9 psf	8 psf
	30	121	121	121	121	121	121	121
	100!!	21 psf	14 psf	11 psf	9 psf	7 psf	6 psf	5 psf
	108''	96	96	96	96	96	96	96
	1201	16 psf	10 psf	8 psf	6 psf	5 psf	4 psf	4 psf
-	120''	78	78	78	78	78	78	78

Product Span

2x Base with 2x6 Snap Cap

Loaded in X Axis

				Т	ributary Widt	th		
_		12''	18''	24''	30''	36''	42''	48''
	24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	24	75	113	150	188	225	263	300
	36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	50	113	169	225	281	338	394	450
	48''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	40	150	225	300	375	450	525	600
	60''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
an		188	281	375	469	563	656	750
Product Span	72''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
npc		225	338	450	563	675	788	900
Pro	84''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	73 psf
	04	263	394	525	656	788	919	1029
	96''	>75 psf	>75 psf	>75 psf	>75 psf	66 psf	56 psf	49 psf
	90	300	450	600	750	788	788	788
	108''	>75 psf	>75 psf	69 psf	55 psf	46 psf	40 psf	35 psf
	109	338	506	622	622	622	622	622
	120''	>75 psf	67 psf	50 psf	40 psf	34 psf	29 psf	25 psf
	120	375	504	504	504	504	504	504

2x Base with 2x6 Snap Cap

Loaded in Y Axis

				Ī	ributary Widt	t <u>h</u>		
		12''	18''	24''	30''	36''	42''	48''
	24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	24	75	113	150	188	225	263	300
	36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	50	113	169	225	281	338	394	450
	48''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	40	150	225	300	375	450	525	600
	60''	>75 psf	>75 psf	>75 psf	>75 psf	69 psf	59 psf	52 psf
an		188	281	375	469	518	518	518
Product Span	72''	>75 psf	>75 psf	60 psf	48 psf	40 psf	34 psf	30 psf
onpo		225	338	360	360	360	360	360
Pro	84''	>75 psf	50 psf	38 psf	30 psf	25 psf	22 psf	19 psf
	84	263	264	264	264	264	264	264
	96''	51 psf	34 psf	25 psf	20 psf	17 psf	14 psf	13 psf
	90	202	202	202	202	202	202	202
	108''	36 psf	24 psf	18 psf	14 psf	12 psf	10 psf	9 psf
	108	160	160	160	160	160	160	160
	120"	26 psf	17 psf	13 psf	10 psf	9 psf	7 psf	6 psf
	120''	129	129	129	129	129	129	129

2x Base with 2x8 Snap Cap

Loaded in X Axis

Member DP (psf) Member End Reactions (lbs) at Maximum Calculated DP

		Tributary Width								
	12''	18''	24''	30''	36''	42''	48''			
24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
24	75	113	150	188	225	263	300			
36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
30	113	169	225	281	338	394	450			
48''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
48	150	225	300	375	450	525	600			
60''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
60	188	281	375	469	563	656	750			
72''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
12	225	338	450	563	675	788	900			
84''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
84	263	394	525	656	788	919	1050			
0.011	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
96''	300	450	600	750	900	1050	1200			
100	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf			
108''	338	506	675	844	1013	1181	1350			
1201	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	64 psf	56 psf			
120''	375	563	750	938	1125	1127	1127			

Product Span

2x Base with 2x8 Snap Cap

Loaded in Y Axis

				Ī	ributary Widt	<u>th</u>		
_		12''	18''	24''	30''	36''	42''	48''
	24''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	24	75	113	150	188	225	263	300
	36''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	30	113	169	225	281	338	394	450
	48''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf
	40	150	225	300	375	450	525	600
	60''	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	>75 psf	67 psf
an		188	281	375	469	563	656	668
Product Span	72''	>75 psf	>75 psf	>75 psf	62 psf	52 psf	44 psf	39 psf
onpo		225	338	450	464	464	464	464
Pro	84''	>75 psf	65 psf	49 psf	39 psf	32 psf	28 psf	24 psf
	04	263	341	341	341	341	341	341
	96''	65 psf	43 psf	33 psf	26 psf	22 psf	19 psf	16 psf
	90	261	261	261	261	261	261	261
	108''	46 psf	31 psf	23 psf	18 psf	15 psf	13 psf	11 psf
	108	206	206	206	206	206	206	206
	1201	33 psf	22 psf	17 psf	13 psf	11 psf	10 psf	8 psf
	120''	167	167	167	167	167	167	167

intertek	PROJECT: 2" Snap Tube Span Tables	BY: DCC	DATE: 09/30/2019
ntertek	PROJECT NO.: K2215.01-122-34	CKD: MJT	SHEET: 22 OF 22

Revision Log

<u>Rev. #</u>	Date	Page(s)	Revision(s)

0 09/30/19 N/A

Original report issue







THE USE OF LUMABUILT PRODUCTS MAY CONTRIBUTE TO THE LEED CREDITS

Lumabuilt produces and supplies aluminum extruded products for our valued customers made from both primary and secondary 6XXX series aluminum alloys. In total, approximately 40% of our extruded products are produced with recycled secondary aluminum (32% being post-consumer content and 8% being from pre-consumer content); this material is received and recycled by local suppliers. The remaining percentage of our production is processed from primary billet which typically contains 3 - 5% recycled aluminum. All of Lumabuilt's end aluminum products are 100% recyclable with no downgrading of the material qualities.



THE USE OF LUMABUILT PRODUCTS MAY CONTRIBUTE TO THE LEED CREDITS

Lumabuilt LEED v4 Exterior Systems Summary

LEED CREDIT	DESCRIPTION	POINTS
MR2.1 and 2.2: Construction waste management	Aluminum recycling	1-2 points
MR4.1 and 4.2: Recycled Content	Recycled content in aluminum extrusions	1-2 points
MR5.1 and 5.2: Regional Materials	Recycled content recovered, reprocessed near project	1-2 points
ID1: Innovation in Design	For use of Cradle-to-Cradle certified materials	1 point



2529 W. Jackson St. | Phoenix, AZ 85009 602.275.1676 | Info@Lumabuilt.com For more info visit: Lumabuilt.com

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MOSAIC BATTEN END CAP INSTALLATION GUIDE

- 1. Ensure you have designed your layout to accommodate an end cap install. You must have clearance on the end of the batten to install the End Cap. If your desired install is to be close to a surface, then you must install end caps prior to installing the batten base on the wall
- 2. When using an end cap, the batten must be located 1/8" distance from the desired finished end
- 3. If you are using a two-piece batten you must ensure that both batten base and cap are cut square and to the same length prior to end cap installation

T-SHAPED END CAP (NO EXPOSED FASTENERS)



- •Ensure the extrusion end is cut square to the extrusion shape •Remove any metal burrs
- •Apply touch up paint on bare aluminum edges if desired
- •Apply a small drop of clear silicone in each screw boss location at the end of the extrusion just prior to inserting the precut end cap into place
- •Use a rubber mallet to seat the end cap to its final flush location
- •This will be a firm fit and will complete the install

PRE-PUNCHED END CAP (FASTENERS REQUIRED TO INSTALL)



- •Ensure the extrusion end is cut square to the extrusion shape
- •Remove any metal burrs
- Apply touch up paint on bare aluminum edges if desired
- •Crimp the screw boss end slightly to increase the grip of the customer supplied rivet
- •Customer supplied rivet shall be an 1/8" dia. Aluminum or Stainless Steel
- •Apply a small drop of clear silicone in each screw boss location at the end of the extrusion just prior to inserting the pre-punched end cap into place
- •Insert rivet (Customer supplied) through pre-punched hole in the end cap and secure rivet with rivet tool (customer supplied)
- •Install all rivets for provided holes to complete the installation process
- •Alternatively a #10 diameter screw may be used for attachment

Lumabuilt 2529 W. Jackson St. | Phoenix, AZ 85009 602.275.1676 | Info@Lumabuilt.com For more info visit: Lumabuilt.com



LumaDUIL CLEANING & MAINTENANCE INSTRUCTIONS

CLEANING INSTRUCTIONS FOR SOFFIT AND SIDING

To preserve the original beauty of Mosaic (Alumaboard) products a regular cleaning schedule is required with the warranties. General surface cleaning will prevent dirt and other particles from accumulating. These build-ups and deposits take away from the original beauty of Mosaic (Alumaboard) Products.

After installation you will need to thoroughly clean your Mosaic (Alumaboard) products to remove all construction elements that may have accumulated.

- Clean the finish surface with water and a soft cloth or sponge until it is free of debris. Avoid excessive rubbing as this will alter the finish.
- If required the finish surface may be also cleaned with a mild detergent (pH 5-9) or a cleaning agent diluted to 1:50 parts of water.
- Certain cleaning agents may damage the paint finish. If you are unsure about possibly damaging the surface, do a spot test on an area that is not easily visible. If the solution causes any damage or changes the look of the paint finish or gloss, immediately discontinue use.
- Always observe the recommended safety precautions including appropriate skin and eye protection to prevent irritations or burns.
- After each cleaning occurs, the surface must thoroughly be rinsed with water to remove any cleaner residue.
- To minimize the appearance of water spots and streaking, the surface should be wiped dry with a clean, soft, dry cloth.

LUMABUILT RECOMMENDED CLEANING SCHEDULE

Active Construction Site	Monthly
Industrial Area	Quarterly
Pools	Quarterly
Coastal Areas	Quarterly
Tropical Areas	Bi-Yearly
All Other Areas	Yearly

CAUTION

- Do NOT use a pressure washer.
- Do NOT use steel wool, abrasive pads or dirty rags.
- Do NOT use acetone, paint thinner or any type of stripper/remover.
- Do NOT use highly acidic or alkaline solutions of any kind especially any that react with metal.
- Do NOT clean in freezing temperatures or in extreme heat.



Alumahoaro

Lumabuilt cleaning & maintenance instructions



MAINTENANCE LOG

DATE	CLEANING PRODUCT	MAINTENANCE COMPANY	MAINTENANCE PERSON	INSPECTOR SIGNATURE







MOSAIC (ALUMABOARD) PRODUCT WARRANTY

15 YEAR FINISH WARRANTY

To: (OWNER)

From: LUMABUILT

Project Name and Location: (PROJECT NAME (STREET NUMBER & NAME) (CITY, STATE ZIP)

Commencement Date of Warranty: (Date is Required)

LUMABUILT hereby warrants to the Customer that the MOSAIC (ALUMABOARD) line of products supplied by LUMABUILT to the Customer pursuant to the order placed by Customer and accepted by LUMABUILT are, at the time of shipment, free from manufacturing defects.

When soffits and siding are applied according to the MOSAIC (ALUMABOARD) Installation instructions and properly maintained, such product is guaranteed against the following:

A. Aluminum Materials and workmanship, within the warranty period of Fifty (50) years.

- Buckling: The product itself will be free of any buckling that is not associated with the substrate and/or structure to which the MOSAIC (ALUMABOARD) system is attached. Buckling shall be defined as warping of the product(s) exceeding one sixteenth of an inch out of plane per linear foot, for the purpose of this warranty.
- 2. **Rusting and Corrosion:** When applied according to LUMABUILT instructions and properly maintained per LUMABUILT guidelines, MOSAIC (ALUMABOARD) products are guaranteed against rusting and corrosion, subject to the limitations set out in section **C**.
- 3. LUMABUILT Responsibility: If, within the Limited Warranty Period, the Product(s) are defective in material or workmanship, LUMABUILT will; at its sole discretion; either repair or replace the defective portion of the Product(s), or, during the first 1st through the 50th year, LUMABUILT will reimburse the Covered Party for the original retail cost of the defective portion of the MOSAIC (ALUMABOARD) Product(s). Upon the 51st year, from the original retail sales date, this Limited Warranty will expire and shall no longer be applicable. If the original retail cost cannot be established by the Covered Person to LUMABUILT's reasonable satisfaction, the cost value shall be determined by LUMABUILT at its sole and reasonable discretion. LUMABUILT's reimbursement or replacement of the defective





Product(s) covered by this Limited Warranty, are the exclusive remedy for the Covered Party with regards to any defect in materials or workmanship only. LUMABUILT WILL NOT REFUND OR PAY ANY ASSOCIATED COSTS, CHARGES, OR FEES WITH REGARDS TO DELIVERY COST, INSTALLATION LABOR, OR ACCESSORY MATERIALS.

B. Paint Finishes, within the warranty period of Fifteen (15) years.

- 1. **Checking and Cracking:** There will be no clearly visible checking or cracking of the Painted Finish on the Product(s) installed on the building.
- 2. **Chalking Resistance:** There will be no chalking of the Painted Finish on the Product(s), installed on the building, in excess of that represented by the "No.8 rating" based on ASTM D4214.
- 3. Color Retention: There will be no color change of the Painted Finish on the building greater that 5 CIE Lab AE units calculated in accordance with ASTM 2244; Section 6.3. Color changes shall be measured on the exposed painted surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the original retained batch Product(s) (Product(s) are stored in the dark at temperatures below 30° C).
- 4. Gloss Retention: The coated surface will exhibit gloss retention to a minimum of 30% from the original gloss. Gloss retention shall be measured on the exposed painted surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the original retained batch Product(s) (Product(s) are stored in the dark at temperatures below 30° C).
- 5. **Paint Adhesion:** Adhesion of Painted Finish when initially applied to test panels and measured by reference to AAMA 2604-02; Clause 7.4.2 will show no evidence of film removal.

C. Warranty Terms and Conditions.

- 1. Registration of the purchased Product(s) is required for this warranty to be in effect. This warranty is valid to the original purchaser and one owner of the structure, where the Product(s) have been installed.
- "Normal atmospheric conditions" excludes corrosive or aggressive atmospheres such as those contaminated with chemical fumes, salts, or other corrosive elements, including areas within proximity of a body of salt water. LUMABUILT recommends freshwater cleaning and maintenance program(s) be in effect to prevent corrosion from accumulated deposits.
- 3. The warranty will not extend or cover:
 - a. Damages to the coated metal caused by handling, shipping, processing and/or installation; or
 - b. Damages to the coated metal caused by scratching or abrading after installation; or
 - c. Damages to the coated metal as a result of standing water in horizontal installations.
 - d. The warranty will not be applicable to damage or failure, which is caused by acts of God, falling objects, external forces, explosions, fire, riots, civil commotion's, acts of war, or other such similar or dissimilar occurrences beyond LUMABUILT's control.
 - e. Customer shall make available to LUMABUILT the dates of the installation of the coated metal, the maintenance records including details of washing and cleaning procedures in compliance with the annual cleaning requirements as stated in the "Required





Maintenance" section of this warranty. Customers that demonstrate the failure of the coated metal was due to a breach of the warranty stated herein.

- f. Claims must be made in writing to LUMABUILT within 30 days of the discovery of a problem and authorization obtained prior to beginning any repair and/or refinishing work. The claimant must provide proof of coverage. Claims must be made by writing and can be sent to the customer service department at LUMABUILT. After receiving such notice, LUMABUILT must be given a reasonable opportunity to inspect and verify the claim.
- g. LUMABUILT's exclusive liabilities, under this warranty, or otherwise, will be limited to refinishing and/or repairing, at LUMABUILT's sole discretion, the defective powder coating. The warranty on any refinished, repaired or replaced coated metal supplied hereunder shall be for the remainder of the warranty period applicable to the originally coated metal. All warranty work will be performed by a company or contractor selected by LUMABUILT. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.
- 6. This warranty represents the entire agreement between all parties in relation to its subject matter and supersedes any previous agreement whether written or oral between the parties in relation to its subject matter. The limited warranties state the entire liability of LUMABUILT with respect to the Product(s) covered by them. LUMABUILT shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of LUMABUILT except as expressly set forth above, and any such statement shall not be binding on LUMABUILT except as expressly set forth above. LUMABUILT makes no warranty of any kind, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Warranties shall be the duration of this limited warranty, or such shorter duration as provided under applicable local law. These limited warranties give you specific legal rights, and you may also have other rights which vary from region to region and state by state.
- 7. NOTHING WITHIN THIS WARRANTY SHALL BE CONSTRUED AS A WARRANTY OF THE WORKMANSHIP OF ANY INSTALLER OR AS IMPOSING ON LUMABUILT ANY LIABILITY FOR UNSATISFACTORY PERFORMANCE CAUSED BY FAULTY WORKMANSHIP BEFORE, DURING, OR AFTER INSTALLATION.
- 8. It is agreed, by all parties involved, that all claims and disputes relating to this agreement, which cannot be settled through negotiation, will try in good faith to first settle the dispute by mediation administered by the American Arbitration Association (Construction Industry Mediation Procedures) as a prelude to mandatory binding arbitration. Such binding arbitration is to be conducted and administered by the Construction Industry Arbitration Rules of the American Arbitration Association. Both seller and purchaser agree to share equally in the costs of both mediation and arbitration and that such binding arbitration will be the sole and final remedial action.

D. Required Maintenance.

On a semi-annual basis, use a soft sponge or cloth with water and mild detergent or a nonabrasive soap with the pH range of 5-9 to clean the powder coated area of dirt, grime and other debris. Pressure washing and the use of harsh detergents or chemicals is not recommended and may void this warranty. Include in your maintenance records the following: date, time, specific products used, name of maintenance person and their designation, maintenance company name and observed general condition of the powder coated finish.





All notice given under or pursuant to this warranty shall be in writing in English and sent by Registered or Certified Mail, postage prepaid, return receipt requested to:

LUMABUILT 2529 West Jackson Street Phoenix, Arizona 85009

Seller: LUMABUILT				
2529 West Jackson Street	LUMABUILT Representative	LUMABUILT Representative Signature		
Phoenix, AZ 85009	Printed Name	Date		
Customer:				
	Customer Signature			
	Printed Name	Date		

LUMABUILT Warranty Number: Warranty Expiration Date:





MOSAIC (MOSAIC (ALUMABOARD)) PRODUCT WARRANTY

20 YEAR FINISH WARRANTY

To: (OWNER)

From: LUMABUILT

Project Name and Location: (PROJECT NAME (STREET NUMBER & NAME) (CITY, STATE ZIP)

Commencement Date of Warranty: (Date is Required)

LUMABUILT hereby warrants to the Customer that the MOSAIC (ALUMABOARD) line of products supplied by LUMABUILT to Customer pursuant to the order placed by Customer and accepted by LUMABUILT are, at the time of shipment, free from manufacturing defects.

When soffits and siding are applied according to the MOSAIC (ALUMABOARD) Installation instructions and properly maintained, such product is guaranteed against the following:

Aluminum Materials and workmanship, within the warranty period of Fifty (50) years.

Buckling: The product itself will be free of any buckling that is not associated with the substrate and/or structure to which the MOSAIC (ALUMABOARD) system is attached. Buckling shall be defined as warping of the product(s) exceeding one sixteenth of an inch out of plane per linear foot, for the purpose of this warranty.

Rusting and Corrosion: When applied according to LUMABUILT instructions and properly maintained per LUMABUILT guidelines, MOSAIC (ALUMABOARD) products are guaranteed against rusting and corrosion, subject to the limitations set out in section C.

LUMABUILT Responsibility: If, within the Limited Warranty Period, the Product(s) are defective in material or workmanship, LUMABUILT will; at its sole discretion; either repair or replace the defective portion of the Product(s), or, during the first 1st through the 50th year, LUMABUILT will reimburse the Covered Party for the original retail cost of the defective portion of the MOSAIC (ALUMABOARD) Product(s). Upon the 51st year, from the original retail sales date, this Limited Warranty will expire and shall no longer be applicable. If the original retail cost cannot be established by the Covered Person to LUMABUILT's reasonable satisfaction, the cost value shall be determined by LUMABUILT at its sole and reasonable discretion. LUMABUILT's reimbursement or replacement of the defective Product(s)

LUMABUILT Warranty Number: Warranty Expiration Date:





covered by this Limited Warranty, are the exclusive remedy for the Covered Party with regards to any defect in materials or workmanship only. LUMABUILT WILL NOT REFUND OR PAY ANY ASSOCIATED COSTS, CHARGES, OR FEES WITH REGARDS TO DELIVERY COST, INSTALLATION LABOR, OR ACCESSORY MATERIALS.

Paint Finishes, within the warranty period of Twenty (20) years.

Checking and Cracking: There will be no clearly visible checking or cracking of the Painted Finish on the Product(s) installed on the building.

Chalking Resistance: There will be no chalking of the Painted Finish on the Product(s), installed on the building, in excess of that represented by the "No.8 rating" based on ASTM D4214 test method A.

Color Retention: There will be no color change of the Painted Finish on the building greater that 5 Δ E units as measured by Hunter Lab color difference as set forth per AAMA 2604 specifications as of the application date and in such way as to significantly adversely affect the appearance of the surface to which the product has been applied and result in damage to the surface. Color changes shall be measured on the exposed painted surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the original retained batch Product(s) (Product(s) are stored in the dark at temperatures below 30° C).

Gloss Retention: The coated surface will exhibit gloss retention to a minimum of 30% from the original gloss using a 60-degree reading per AAMA 2604 specifications. Gloss retention shall be measured on the exposed painted surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the original retained batch Product(s) (Product(s) are stored in the dark at temperatures below 30° C).

Paint Adhesion: Adhesion of Painted Finish when initially applied to test panels and measured by reference to AAMA 2604-02; Clause 7.4.2 will show no evidence of film removal.

Warranty Terms and Conditions.

- 1. Registration of the purchased Product(s) is required for this warranty to be in effect. This warranty is valid to the original purchaser and one owner of the structure, where the Product(s) have been installed.
- 2. "Normal atmospheric conditions" excludes corrosive or aggressive atmospheres such as those contaminated with chemical fumes, salts, or other corrosive elements, including areas within proximity of a body of salt water. LUMABUILT recommends freshwater cleaning and maintenance program(s) be in effect to prevent corrosion from accumulated deposits.
- 3. The warranty will not extend or cover.
 - a. Damages to the coated metal caused by handling, shipping, processing and/or installation; or
 - b. Damages to the coated metal caused by scratching or abrading after installation; or







- c. Damages to the coated metal as a result of standing water in horizontal installations.
- d. The warranty will not be applicable to damage or failure, which is caused by acts of God, falling objects, external forces, explosions, fire, riots, civil commotion's, acts of war, or other such similar or dissimilar occurrences beyond LUMABUILT's control.
- e. Customer shall make available to LUMABUILT the dates of the installation of the coated metal, the maintenance records including details of washing and cleaning procedures in compliance with the annual cleaning requirements as stated in the "Required Maintenance" section of this warranty. Customers that demonstrate the failure of the coated metal was due to a breach of the warranty stated herein.
- f. Claims must be made in writing to LUMABUILT within 30 days of the discovery of a problem and authorization obtained prior to beginning any repair and/or refinishing work. The claimant must provide proof of coverage. Claims must be made by writing and can be sent to the customer service department at LUMABUILT. After receiving such notice, LUMABUILT must be given a reasonable opportunity to inspect and verify the claim.

LUMABUILT's exclusive liabilities, under this warranty, or otherwise, will be limited to refinishing and/or repairing, at LUMABUILT's sole discretion, the defective powder coating. The warranty on any refinished, repaired or replaced coated metal supplied hereunder shall be for the remainder of the warranty period applicable to the originally coated metal. All warranty work will be performed by a company or contractor selected by LUMABUILT. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.

This warranty represents the entire agreement between all parties in relation to its subject matter and supersedes any previous agreement whether written or oral between the parties in relation to its subject matter. The limited warranties state the entire liability of LUMABUILT with respect to the Product(s) covered by them. LUMABUILT shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of LUMABUILT except as expressly set forth above, and any such statement shall not be binding on LUMABUILT except as expressly set forth above. LUMABUILT makes no warranty of any kind, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Warranties shall be the duration of this limited warranty or such shorter duration as provided under applicable local law. These limited warranties give you specific legal rights, and you may also have other rights which vary from region to region and state by state.

NOTHING WITHIN THIS WARRANTY SHALL BE CONSTRUED AS A WARRANTY OF THE WORKMANSHIP OF ANY INSTALLER OR AS IMPOSING ON LUMABUILT ANY LIABILITY FOR UNSATISFACTORY PERFORMANCE CAUSED BY FAULTY WORKMANSHIP BEFORE, DURING, OR AFTER INSTALLATION.

It is agreed, by all parties involved, that all claims and disputes relating to this agreement, which cannot be settled through negotiation, will try in good faith to first settle the dispute by mediation administered by the American Arbitration Association (Construction Industry Mediation Procedures) as a prelude to mandatory binding arbitration. Such binding arbitration is to be conducted and administered by the Construction Industry Arbitration Rules of the American Arbitration Association. Both seller and





purchaser agree to share equally in the costs of both mediation and arbitration and that such binding arbitration will be the sole and final remedial action.

Required Maintenance.

On a semi-annual basis, use a soft sponge or cloth with water and mild detergent or a non-abrasive soap with the pH range of 5-9 to clean the powder coated area of dirt, grime and other debris. Pressure washing and the use of harsh detergents or chemicals is not recommended and may void this warranty. Include in your maintenance records the following: date, time, specific products used, name of maintenance person and their designation, maintenance company name and observed general condition of the powder coated finish.

All notice given under or pursuant to this warranty shall be in writing in English and sent by Registered or Certified Mail, postage prepaid, return receipt requested to:

LUMABUILT

2529 West Jackson Street

Phoenix, Arizona 85009

Seller: LUMABUILT			
2529 West Jackson Street	LUMABUILT Representative Signature		
Phoenix, AZ 85009	Printed Name	Date	
Customer:			
	Customer Signature		
	Printed Name	Date	

LUMABUILT Warranty Number: Warranty Expiration Date:



Please note that RMP Rollfab Architectural Solutions has been rebranded as Lumabuilt.

Product names have also been changed; the product specifications, warranties, accessories, and all things related to the products, have not changed. The products have been rebranded in name only.

Rebranding began June 26, 2023.

Mosaic is now the new product name for Alumaboard for Planks and Battens.





Technical Data Sheet

BEIGE SERIE 700 RAGG	Cod. <mark>DS 716</mark>
Powder Coatings:	TGIC FREE POLYURETHANE
Use:	Outdoor
Suggested for:	Base coat for heat transfer process
Application	Corona Charging
Curing Cycle:	25' X 195°C (Metal Temperature) 25' X 383 °F 20' X 200°C (Metal Temperature) 20' X 392 °F 15' X 205°C (Metal Temperature) 15 X 401°F

Chemical and Mechanical Properties

1 - Packing	20 Kg. Boxes wi	20 Kg. Boxes with PE-bag, palletized and shrink-wrapped			
2- Shelf-life	In a dry place wi	In a dry place with a temperature lower than 35 °C - 95°F			
	for 12 months				
3 - Specific weight	1.27 ± 0.03 g/cm3				
4 – Yield m2/Kg. considering	13,1 m²/Kg				
60 microns film thickness					
5 - Appearance	Rough				
	RIF Standard	Miniumum Tollerance Limit	Result		
6 - Gloss (Gardner 60°)	ISO 2813	8 ± 3	OK		
7 - Buchholz hardness	ISO 2815	minimum 80	OK		
8 - Adhesion	ISO 2409	No loss of Adhesion	OK		
9 - Thickness (Minim. thickness)	ISO 2360	60 microns	OK		
10 - Direct Impact Test *	ASTM D2794	2,5 N*m	No Coating detaching		
11 - Reverse Impact Test	ASTM D2794	2,5 N*m	No Coating detaching		
12 - Erichsen Identation *	ISO 1520	5 mm	No Coating detaching		
13 - Bending *	ISO 1519	mandrino 5 mm mandrel 5mm	No Coating detaching		
14 - Kesternich Test	ISO 3231	No Coating detaching or	OK		
14 - Resternich Test	150 3231	penetration higher than 1 mm.			
15 - Humidity Test**	DIN 50017	No blistering/coating detaching	OK		
16 - Acetic acid - Salt Spray Test **	ISO 9227	Corrosion lower than 4 mm.	OK		
17 - Accellerated weathering Test	ISO 11341	Rit. di Brill. >50% ΔE < 2	OK		
18 - Pressure Cooker Test	Cap.Qualicoat	No blistering/coating detaching	OK		
19 - Lime Resistence	Cap.Qualicoat	No blistering/coating detaching	ОК		

* Tests carried out on 1 mm. thickness alloy AA5005 H24 chromate aluminium sheets and 60 microns coating layer .

** Tests carried out on AA6060 extruded alloy

Note importanti:

Important information:

La brillantezza del film di vernice è influenzata dalla spessore della polvere applicata e dalle condizioni di polimerizzazione.

Brightness of powder coating layer could change by applied thickness and by the curing process.

Per ottenere le migliori performance di resistenza ai raggi uv il valore di brillantezza del film di vernice deve rispettare i valori indicati nella scheda tecnica.

To obtain best UV ray resistance performance, the powder coating brightness must comply technical data sheet value.

This technical information is reliable to the best of our and our customers' experience but non warranty or guarantee is implied. Users will assume responsibility for the application of the product testing its characteristics on their own equipment and carriers.

Emission Date

20/07/2004

Revision Date Revision 06 25/09/2007



Technical Data Sheet

MARRONE 349 SER	E 700 RAGG Cod. DS 733
Powder Coatings:	TGIC FREE POLYURETHANE
Use:	Outdoor
Suggested for:	Base coat for heat transfer process
Application	Corona Charging
Curing Cycle:	25' X 195°C (Metal Temperature) 25' X 383 °F 20' X 200°C (Metal Temperature) 20' X 392 °F 15' X 205°C (Metal Temperature) 15 X 401°F

Chemical and Mechanical Properties

1 - Packing	20 Kg. Boxes with PE-bag, palletized and shrink-wrapped			
2- Shelf-life	In a dry place wi	In a dry place with a temperature lower than 35 °C - 95°F		
	for 12 months			
3 - Specific weight	1.27 ± 0.03 g/cm3			
4 – Yield m2/Kg. considering	13,1 m²/Kg	13,1 m ² /Kg		
60 microns film thickness				
5 - Appearance	Rough			
	RIF Standard	Miniumum Tollerance Limit	Result	
6 - Gloss (Gardner 60°)	ISO 2813	8 ± 3	OK	
7 - Buchholz hardness	ISO 2815	minimum 80	OK	
8 - Adhesion	ISO 2409	No loss of Adhesion	OK	
9 - Thickness (Minim. thickness)	ISO 2360	60 microns	OK	
10 - Direct Impact Test *	ASTM D2794	2,5 N*m	No Coating detaching	
11 - Reverse Impact Test	ASTM D2794	2,5 N*m	No Coating detaching	
12 - Erichsen Identation *	ISO 1520	5 mm	No Coating detaching	
13 - Bending *	ISO 1519	mandrino 5 mm	No Coating detaching	
		mandrel 5mm		
14 - Kesternich Test	ISO 3231	No Coating detaching or	OK	
		penetration higher than 1 mm.		
15 - Humidity Test**	DIN 50017	No blistering/coating detaching	OK	
16 - Acetic acid - Salt Spray Test **	ISO 9227	Corrosion lower than 4 mm.	OK	
17 - Accellerated weathering Test	ISO 11341	Rit. di Brill. >50% $\Delta E < 2$	OK	
18 - Pressure Cooker Test	Cap.Qualicoat	No blistering/coating detaching	OK	
19 - Lime Resistence	Cap.Qualicoat	No blistering/coating detaching	OK	

 * Tests carried out on 1 mm. thickness alloy AA5005 H24 chromate aluminium sheets and 60 microns coating layer .

** Tests carried out on AA6060 extruded alloy

Note importanti:

Important information:

La brillantezza del film di vernice è influenzata dalla spessore della polvere applicata e dalle condizioni di polimerizzazione.

Brightness of powder coating layer could change by applied thickness and by the curing process.

Per ottenere le migliori performance di resistenza ai raggi uv il valore di brillantezza del film di vernice deve rispettare i valori indicati nella scheda tecnica.

To obtain best UV ray resistance performance, the powder coating brightness must comply technical data sheet value.

This technical information is reliable to the best of our and our customers' experience but non warranty or guarantee is implied. Users will assume responsibility for the application of the product testing its characteristics on their own equipment and carriers.

Emission Date

20/07/2004

Revision Date Revision

06 25/09/2007



Product Name

Mosaic 2"x6" Architectural Batten Assembly

Manufacturer

Lumabuilt Lumabuilt.com

Product Description

Mosaic Architectural Battens work beautifully as sunshades, grilles, privacy screens, signage, decorative elements, screen wall and fencing. The design capabilities are endless with the versatility of Mosaic. The product is lightweight, durable and our licensed proprietary sublimation process will make its low maintenance beauty last for years.

Finishes: Woodgrains, solid colors and specialty finishes available.

Installation

Mosaic batten assemblies attach with concealed or exposed fasteners. Matching finish on press fit End Caps are available. If using an end cap ensure you have designed your layout to accommodate an end cap install. Refer to installation instructions for full details.

PRODUCT DATA SHEET 2" X 6" ARCHITECTURAL BATTEN ASSEMBLY



Technical Data

- Class "A" Fire Rating.
- Paint finish testing: AAMA 2605
- Extruded aluminum shape
- Standard panel length is 24'-0".
- Lengths less than 24'-0" available upon request
- Weight 2.060 pounds/LF
- See Batten Extrusion Line Card for additional components.
- Tee shaped end cap offers no exposed fasteners
- Pre-punched end caps require fasteners to install

Warranty

Wood grains 15 year standard warranty. Wood Grains 20 year specialty warranties on request. Solid Colors 20 year standard warranty. Refer to warranty form for full details.

Maintenance

To preserve the original beauty of Mosaic products a regular cleaning schedule is suggested. Clean the finish surface with water and a soft brush or sponge until it is free of debris. If required the finish surface may be also cleaned with a mild detergent (pH 6-7) or a cleaning agent diluted to 1:50 parts of water. Refer to cleaning instructions for full details.



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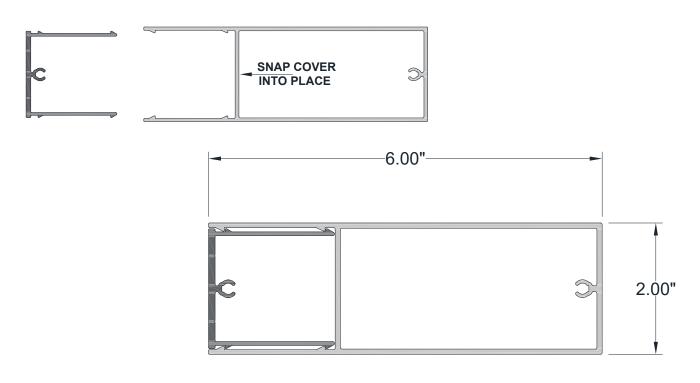


PRODUCT DATA SHEET 2" X 6" ARCHITECTURAL BATTEN ASSEMBLY



Product Information

- Architectural Batten Profile for sunshades, grilles, privacy screens, signage, decorative elements, screen wall & fencing
- Mechanically attach with concealed or exposed fasteners
- Finishes: Solid colors, woodgrains and specialty finishes available
- Matching finish on press fit End Caps available
- Extruded aluminum shape
- Paint finish testing: AAMA2605
- Class "A" Fire Rating
- Standard profile length is 24'-0"
- Lengths less than 24'-0" available upon request
- See Batten Extrusion Line Card for other Components



2" x 6" BATTEN ASSEMBLY

