Longboard LEED v4.1 Exterior Systems Summary Sheet – Building
Design and Construction (BD+C)

Item No.	Category	Applicable products	LEED Credit, Intent, Pathway, and Longboard Contribution	Points
1.	Energy & Atmosphere	• The Hitch™ cladding attachment system • SimpL Clip system	**EA Credit: Optimized Energy Performance** All Pathways **Intent:** To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use. **Requirements:** Analyze efficiency measures during the design process and account for the results in design decision-making. Use energy simulation of efficiency opportunities, past energy simulation analyses for similar buildings, or published from analyses for similar buildings. Points based on percentage improvement in energy performance. **Solution:** Save energy by using the Longboard Cladding Attachment systems which allows for exterior insulation. Exterior insulation has proven to be 40% more effective than interior cavity insulation, decreasing demand on the building HVAC system. **Supporting Documents:** Morrison Hershfield and RDH Report on Thermal Performance.	BD+C: 1-20 points ID+C: 1-24 points
2.	Materials & Resources	• All Longboard Exterior Systems-Extruded Aluminum Products • All Longboard ECO™ Products	**MR Credit: Building Life Cycle Impact reduction** BD+C Option 4. Whole-Building Life-Cycle Assessment ID+C Option 3. Building Interiors Life-Cycle Assessment **Intent:** To encourage adaptive reuse and optimize the environmental performance of products and materials. **Requirements:** Conduct a life-cycle assessment of the project's structure and enclosure, or interior (based on LEED rating system). Earn points based on percentage reduction of LEED's impact category points. **Solution:** Longboard products have lower embodied carbon when compared to industry average. Use Longboard third party-certified Product EPD for Whole Building LCA Calculations. **Supporting Documents:** Longboard Product-specific Type III EPDs: • **Primary:** https://longboardproducts.com/s/LONGBOARD-EPD_PRIMARY-ALUMINUM.pdf • **ECO:** https://longboardproducts.com/s/LONGBOARD-EPD_RECYCLED-ALUMINUM.pdf	BD+C: 1-4 points ID+C: 1-3 points
3.	Materials & Resources	• All Longboard Exterior Systems-Extruded Aluminum Products • All Longboard ECO™ Products	**MR Credit: Building Product Disclosure and Optimization – Environmental Product Declaration** Option 1. Environmental Product Declaration (EPD) **Intent:** To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. **Requirements:** Use permanently installed products sourced from different manufacturers that meet LEED's LCA and EPD criteria. Required number of products and manufacturers depend on building and project type. **Solution:** Longboard's Product-specific Type III EPDs are valued as 1.5 products for the purposes of credit achievement calculation.	BD+C: 1-2 points ID+C: 1-2 points

			Supporting Documents: Longboard Product-specific Type III EPDs: • **Primary:** https://longboardproducts.com/s/LONGBOARD-EPD_PRIMARY-ALUMINUM.pdf • **ECO:** https://longboardproducts.com/s/LONGBOARD-EPD_RECYCLED-ALUMINUM.pdf	
4.	Materials & Resources	• All Longboard ECO™ Products	**MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials** Recycled Content **Intent:** To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. **Requirements:** 20-40% of products, by cost, sourced from different manufacturers based on LEED's responsible sourcing and extraction criteria. Recycled content is the sum of postconsumer recycled content plus one-half the pre-consumer recycled content, based on weight. **Solution:** Longboard ECO™ products offer a minimum 50% pre-consumer recycled content. **Supporting Documents:** Contact your Longboard for recycled material option selection, and for Supplier Letter confirming recycled content.	BD+C: 1-2 points ID+C: 1-2 points
5.	Materials & Resources:	• All Longboard Exterior Systems-Extruded Aluminum Products • All Longboard ECO™ Products	**MR Credit: Building Product Disclosure and Optimization – Material Ingredients** Option 1. Material Ingredient Reporting **Intent:** To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. **Requirements:** Use permanently installed products sourced from different manufacturers that used LEED's approved programs that demonstrate product chemical inventory. Required number of products and manufacturers depend on building and project type. **Solution:** All Longboard products meet the Declare Label "Red List Free" status. **Supporting Documents:** Longboard Declare Product Label ID MYN-0001 - https://declare.living-future.org/products/longboard-products-plank-dauntless-link-and-lock-beam-system	BD+C: 1-2 points ID+C: 1-2 points

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