

Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01

Project: Webster ISB Substitution Request Number: _____
From: Doug Mayhew
To: Melissa Pirtle stl-
cac@cannondesign.com Date: 4-14-16
Re: _____ Contract For: Toilet Partitions

Specification Title: Plastic Toilet Compartments Description: _____
Section: 102113.19 Page: 1-4 Article/Paragraph: _____

Proposed Substitution: Hadrian added to list of allowed manufacturers
Trade Name: Toilet Compartments
Model No.: HDPE Solid Plastic
Manufacturer: Hadrian Manufacturing Inc.
Address: 7420 Clover Ave
Mentor, OHIO 44060
Phone: 800-536-1469 Manufacturer Web Page: www.hadrian-inc.com

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

Savings to Owner for
accepting substitution: _____ (\$ _____)

Proposed substitution
changes Contract Time: ☒ No ☐ Yes [Add] [Deduct] _____ days.

The Undersigned Bidding General Contractor/Construction Manager Certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified products.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

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- The following supporting data is attached to this request and verifies the above statements:

☒ Drawings
☒ Product Data
☐ Samples
☐ Tests
☐ Reports
☒ Other (explain) LEED DATA, Warranty, Maintenance

Submitted by: _____

Signed by: _____

Contractor: _____

Address: _____

Phone: _____ Email: _____

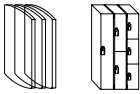
Review and Action

- ☒ Substitution approved – Make submittals in accordance with the Specifications.
☐ Substitution approved as noted – Make submittals in accordance with the Specifications.
☐ Substitution rejected – Use specified materials.
☐ Substitution received too late – Use specified materials.

Comments: Product /manufacturer is ok. Note that submittal is required to meet specifications and drawings.

Signed by: Lynn Grossman Date: 04.26.16

Toilet Partition Specification Package



Project Name: Webster University ISB

Project Type: School

Project Location: Webster Groves, MO

Architect: Cannon Design

Contractor: PARIC Corp

Authorized Distributor: KB Install, LLC

Contact Name: Jennifer Witte

Contact Phone: 636-379-9207

Contact Email: jwitte@kbinstall.net

Drawn By: TM

Date Printed: Apr 14, 2016

Notes:

Floor-Mounted/Overhead Braced, Class B Certified, High Density Polyethylene (HDPE) Solid Plastic. Stainless Steel Continuous Channel Brackets at all connections. Stainless Shoes. Wrap Door Hinges. Heat-Sink Strips. Aluminum Overhead Bracing. 14 Color Selections. 6 are 'Quick Ship'.

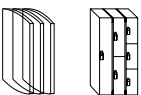
Submittal Notes

Toilet Partition Notes

1. Compartment widths on drawings are shown at center line of panels.
2. Compartment depths on drawings are shown from front face of pilaster to finished wall.
3. Cut headrail in field to suit (if applicable).
4. "X" on drawings indicates that backing is required.
5. Fabrication will not commence until approval has been received.
6. Material supplied will conform to the dimensions indicated on drawings.
7. Scale of drawings - none.

Locker Notes

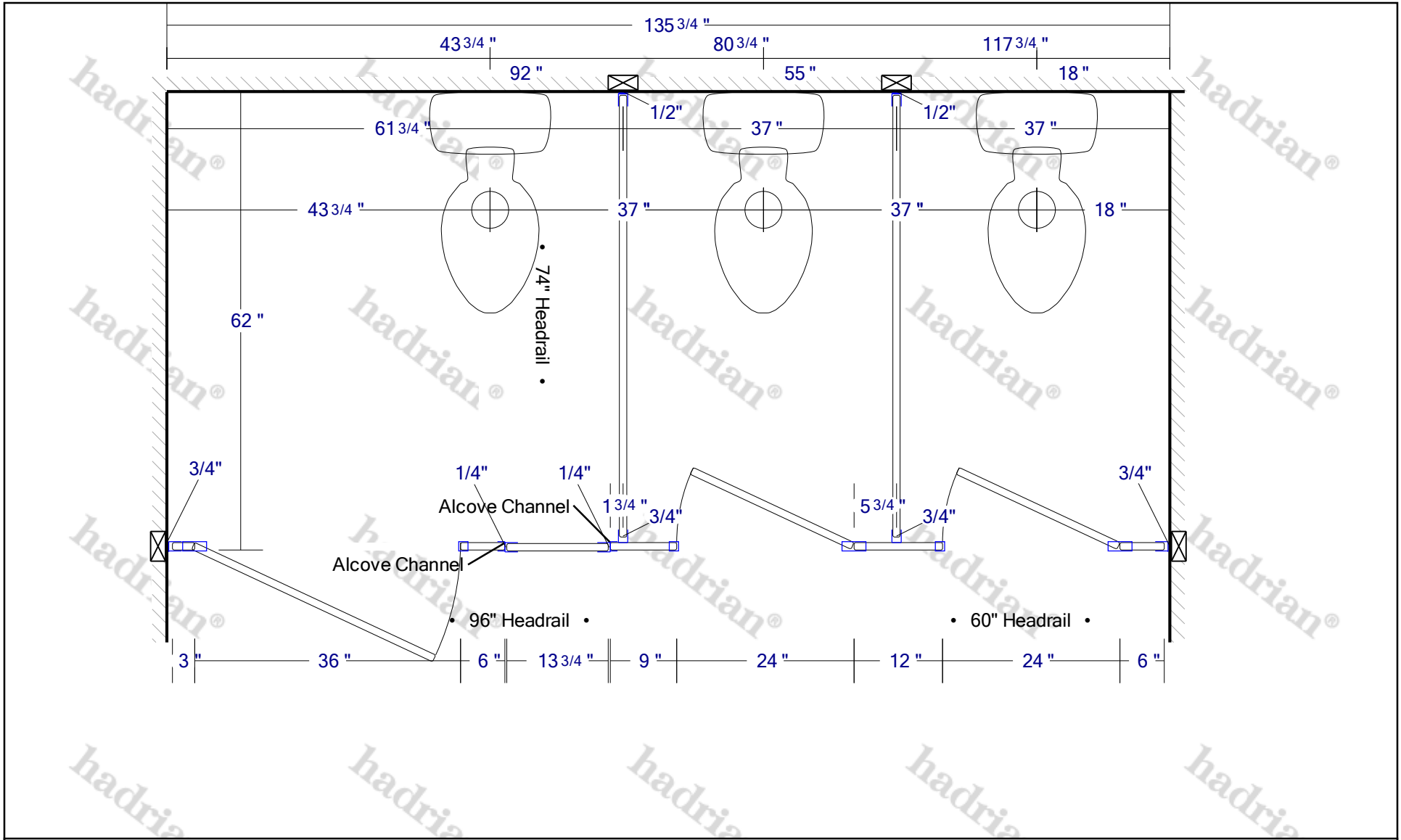
1. Locker growth is 1/32" (0.8mm) per locker.



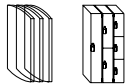
Hadrian Manufacturing Inc., 965 Syscon Road, Burlington, ON, L7L 5S3 • Tel: (905) 333-0300 • Fax: (905) 333-1841

Hadrian Inc., 7420 Clover Avenue, Mentor, OH, 44060 • Tel: (440) 942-9118 • Fax: (440) 942-9618

www.hadrian-inc.com



Product: Toilet Partitions **Material:** Solid Plastic **Finish:** ### - Color TBA **Type:** Headrail Braced **AFF:** 14" **Hinge:** Wrap **Hardware:** Stainless Channels Only - Use Stainless Steel Shoes
Options: Heatsink Strips



hadrian®

www.hadrian-inc.com

Project Title: Webster University ISB
Drawing Title: Women's 177
Drawn By: TM
Date Printed: Apr 14, 2016

ID: 1969231
Revision 0: Apr 14, 2016

- Unit widths are shown at center line of panels.
- Unit depths are shown from front face of pilaster to finished wall.
- Cut headrail to suit (if necessary).
-  indicates that backing is required.
-  indicates location of pilaster reinforcing channel(s).
- Material supplied will conform to the dimensions indicated.
- Scale = none.

- Unit widths are shown at center line of panels.
- Unit depths are shown from front face of pilaster to finished wall.
- Cut headrail to suit (if necessary).
-  indicates that backing is required.
-  indicates location of pilaster reinforcing channel(s).
- Material supplied will conform to the dimensions indicated.
- Scale = none.

Material Specification

Headrail Braced Solid Plastic Toilet Partitions

1.01 Construction Features

Doors, panels and pilasters shall be certified CLASS B polyethylene solid plastic. The material shall contain no foaming agents, which can cause the formation of air pockets. The self-lubricating surface is resistant to marking and can be maintained effectively with ordinary household cleaners. Material is ideal for toilet partition installations, especially in high abuse and high moisture environments.

1.02 Doors

Shall be (25mm) 1" thick by (1397mm) 55" high straight cut with fine radius edges.

1.03 Panels

Shall be (25mm) 1" thick by (1397mm) 55" high straight cut with fine radius edges.

1.04 Pilasters

Shall be (25mm) 1" thick by (2083mm) 82" high straight cut with fine radius edges.

1.05 Headrail

Shall be 32mm (1.25") by 44mm (1.75") extruded anodized aluminum with anti-grip design. Wall thickness to be 1.5mm (0.060") and shall be securely attached to wall and pilasters with manufacturer's fittings in such a way as to make a rigid installation. All joints in headrails shall be made at a pilaster.

1.06 Pilaster Fastening Method

Pilasters shall be securely and rigidly fastened to the floor with 3" (76mm) high stainless steel anchor shoes. Plastic anchor shoes are also available in colors to complement the partitions. One full-height continuous stainless steel channel shall be used at the pilaster to panel and pilaster to wall connection.

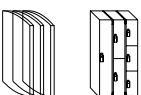
1.07 Hardware & Fittings

Doors are installed with 1/8" thick heavy extruded clear anodized aluminum hinges, which wrap around both the door and pilaster. Hinges are fastened to door and pilaster with tamper-proof 6-lobe security head stainless steel thru-bolts and fastened to the edge of the door and pilaster with a #10 x 1" screw. Top hinges have adjustable nylon cams. Strike-keeper and throw latch are stainless steel. One full-height continuous stainless steel channel shall be used at the pilaster to panel and pilaster to wall connection. Inswing doors shall be fitted with a zinc die cast, #4 brushed combined coat hook and bumper. Outswing doors shall be fitted with a #4 brushed stainless steel flat coat hook. Fasteners are theft-proof 6-lobe security head stainless steel screws. Hadrian hardware meets ADA and Canadian barrier-free requirements. One heat sink strip to be fastened to underside of panel.

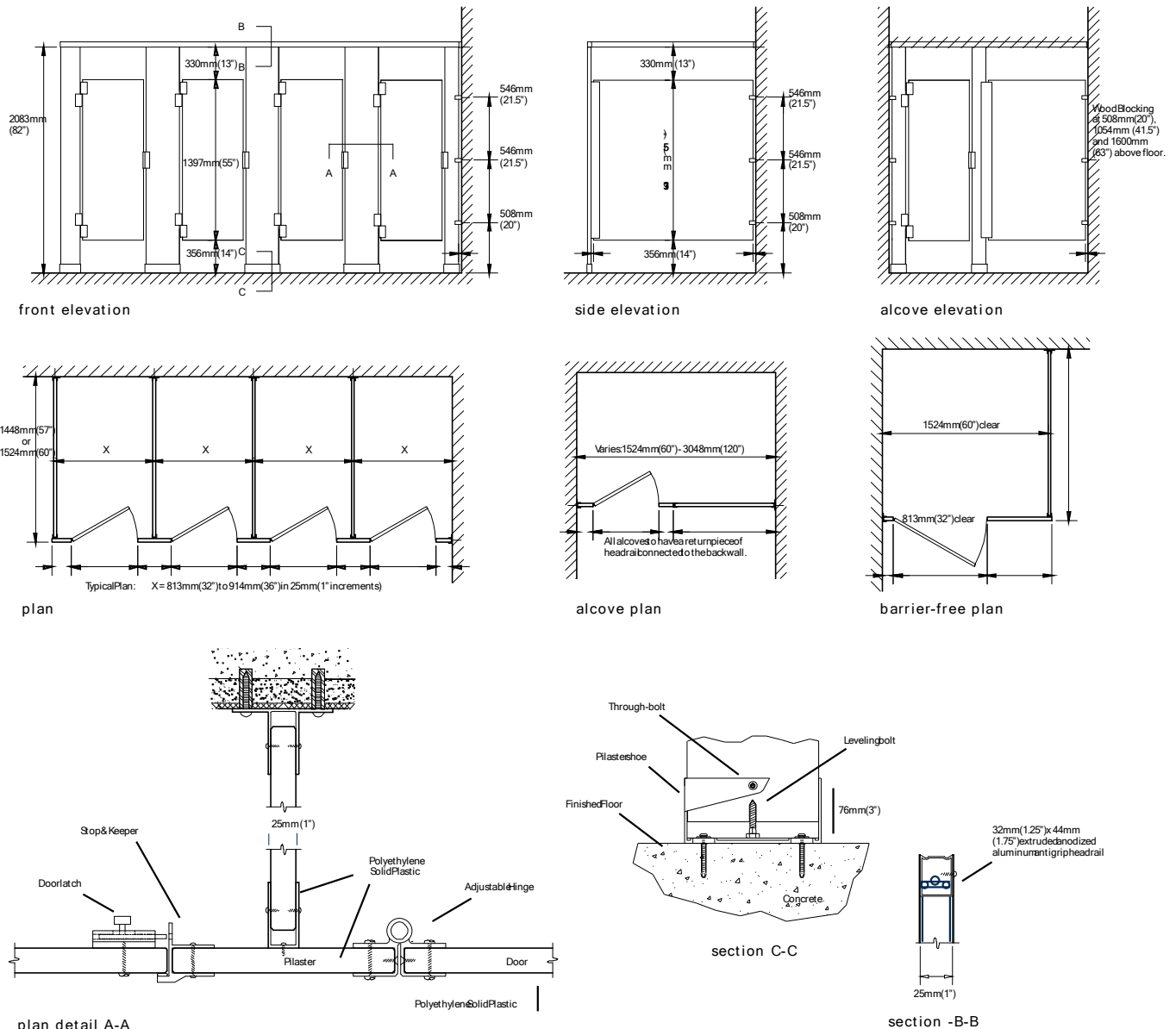
1.08 Finish

Doors, panels and pilasters shall be certified CLASS B polyethylene with uniform color throughout. Color shall be as selected from Hadrian's color card.

This specification applies to room(s): Women's 177 (p. 3), Men's 179 (p. 4)

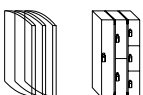


Typical Elevation Drawing: Solid Plastic, Headrail Braced-Wrap Hinge



Important Note:

Refer to final drawings for wood blocking information. Wood blocking is critical to ensure a rigid installation.



Warranty Information

Project Name: Webster University ISB

Hadrian Manufacturing Inc. ("Hadrian") provides the following warranty with respect to Hadrian toilet partitions and lockers.

Subject to the terms set out herein, the products are warranted against defects in material and workmanship from the date of receipt by the authorized Hadrian distributor for the applicable warranty periods outlined below:

- **Powder Coated Toilet Partitions:** 3 years
- **Stainless Steel Toilet Partitions:** 5 years
- **Solid Plastic Toilet Partitions:** 25 years
- **Emperor (corridor) Lockers:** 2 years
- **Gladiator (athletic) Lockers:** 5 years
- **Replacement Front Lockers:** 2 years

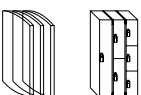
The warranty is for Hadrian material only and excludes damages caused by installation errors, vandalism, improper usage, improper maintenance, exposure to harsh environments or chemicals (such as chlorine, bromine, etc.) or failure of the building structure to adequately support the product. Site preparations (i.e. wood blocking, etc.) must meet final drawing specifications and Hadrian's recommended maintenance procedure must be followed.

The exclusive remedy under this warranty shall, at Hadrian's discretion, be replacement or repair of the defective material, Hadrian will not pay any removal, installation or other labour costs associated with the repair or replacement. Replacement material will be warranted for the unused portion of the original warranty period.

No warranty of merchantability or fitness for a particular purpose is made or implied. In no event shall Hadrian be liable for any other costs or damages, including loss of profit, loss of revenue, indirect, incidental, special or consequential damages howsoever arising, wither under warranty, contract, statute, tort, equity or otherwise.

This warranty extends only to the original customer and is non-transferable. Warranty claims must be made during the applicable warranty period and initiated by contacting Hadrian at the following coordinates: USA: 440-942-9118/CANADA: 905-333-0300.

The foregoing constitutes the entire warranty given by Hadrian and no one is authorized to change or expand this warranty on behalf of Hadrian.



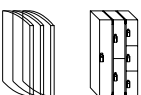
Maintenance Procedure

For Solid Plastic Toilet Partitions and Urinal Screens

Hadrian's Solid Plastic toilet partitions utilize the latest advancements in solid plastic technology. With an array of designer colors, Hadrian partitions are built to last and are ideal for high abuse areas. Hadrian's solid plastic will not chip, flake, crack, dent or delaminate and has excellent graffiti resistant qualities.

Maintenance of your toilet partitions should be a part of your regular building preventive maintenance procedure.

1. Tighten any screws that have become loose due to vibrational forces or attempted vandalism.
2. Be sure the surfaces are dry after being cleaned and rinsed with clear water (when required).
3. Partitions exposed to severe humidity should be washed and dried as needed.
4. Periodically, remove any dirt, grime or foreign matter with a soft cloth.
5. Where surfaces reveal spotting resulting from hand perspiration, soil, or grease, a thorough cleaning with warm water and a mild detergent (i.e. Ivory Soap), followed by rinsing, and removal of excess moisture, will renew the clean even surface, providing a pleasant sanitary appearance. (Use of cleaning agents containing abrasives such as household cleaning powder, steel wool, and harsh detergents or acids ARE NOT RECOMMENDED).
6. For areas of stubborn graffiti, commercial graffiti removers can be used.
7. To maintain the brilliance of hardware, these components can be periodically improved by an application of non-abrasive cleaner with a damp cloth.





LEED Version 3 (2009) Certification Information
for Hadrian Toilet Partitions and Lockers

The U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) program is intended to raise awareness, establish standards for, and stimulate green building practices. Individual building products cannot be LEED certified. However, they can contribute toward the overall LEED certification of a building.

Hadrian products can contribute points in the following categories as outlined below:

MR Credit 4: Recycled Content:

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

MR Credit 5: Regional Materials:

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

LEED CATEGORY	SECTION (& POINTS)	DESCRIPTION	POWDER COATED TOILET PARTITIONS	STAINLESS STEEL TOILET PARTITIONS	SOLID PLASTIC TOILET PARTITIONS	LOCKERS
					CLASS B	
Recycled Content	MR Credit 4 (2 possible points)	Post-consumer ¹	36%	76%	0%	36%
		Pre-consumer ²	14%	15%	Minimum of 30%	14%
		In addition to the recycled content of the material above, the honeycomb / vertical core of powder coated toilet partitions, stainless steel toilet partitions and lockers contains 9% post-consumer and 9% pre-consumer recycled content.				
		Product Weight Distribution	92% Steel 8% Honeycomb	92% Steel 8% Vertical	N/A	99% Steel 1% Honeycomb
Regional Materials	MR Credit 5 (2 possible points)	Manufacturing / final assembly location	Burlington, ON	Burlington, ON	Mentor, OH	Burlington, ON
		Material extraction / harvest location	Material extraction / harvest locations are not available.			

¹ Post-consumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose.

² Pre-consumer material (also referred to as post-industrial material) is defined as material diverted from the waste stream during the manufacturing process. Reutilization of materials (i.e., rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it) is excluded.

VOLATILE ORGANIC COMPOUNDS (VOCs)

Hadrian's powder coated paints do not contain volatile organic compounds (VOCs) and our powder coating process utilizes environmentally friendly technology as there is virtually no waste, energy consumption is low and there are no solvent emissions.

UREA FORMALDEHYDE

Hadrian products do not contain urea formaldehyde.

Hadrian's packaging materials (hardware boxes and locker end-caps) are made from 100% recycled material and our triple-ply, corrugated shipping container (USA) is 100% recyclable.