J'CARA MULTI-FACE WALL SYSTEM

The U-Cara® Advantage

Customizable fascia panel colors, textures and layout

Easy-to-handle backer blocks and panels

Complete hardscape solution for retaining walls, and verticals and foundation cladding

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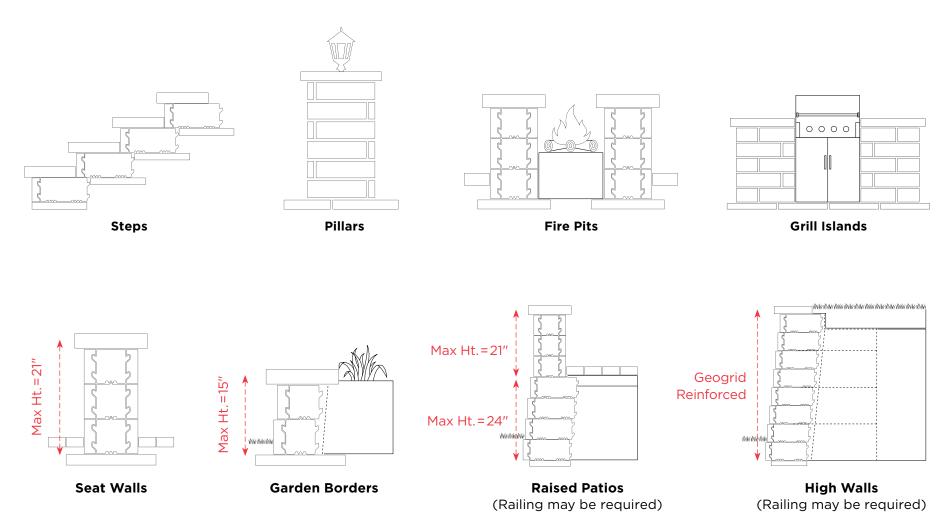
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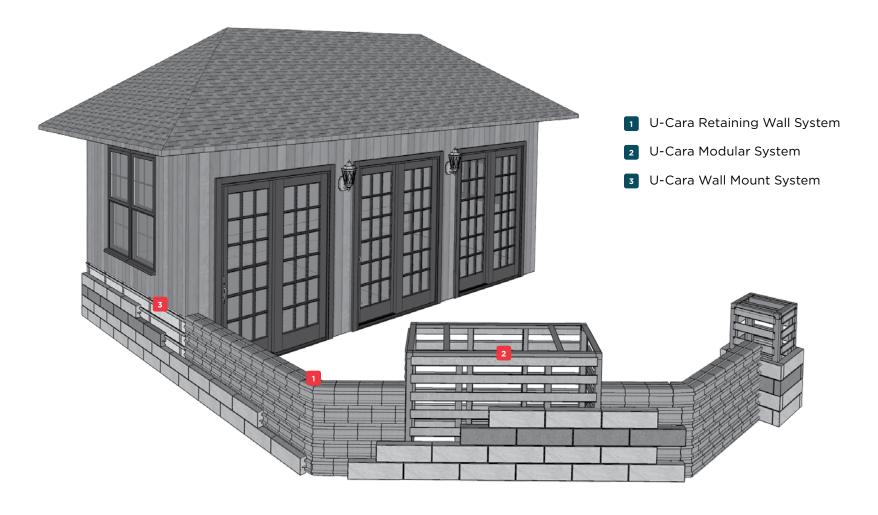
Visit the Unilock Hardscape Education Center for videos and other information.

Build Any Hardscape Verticals



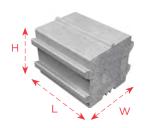
Virtually any landscape wall or feature can be built using the U-Cara Multi-Face Wall System. U-Cara's dimensions, sizes and technology make it the most flexible and easy to install system on the market. This manual will illustrate how to construct some of the most common walls and features. The more you work with it, the more you'll discover U-Cara's application flexibility.

Combine All Three U-Cara Systems

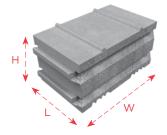


By combining all three U-Cara systems you can create a cohesive design for the entire project. The modular cabinets allow you to construct verticals fast, and they match up perfectly to the U-Cara Blocks and Fascia Panels used to construct the rest of the project. Enhance your project further by using the U-Cara Wall Mount System to cover up areas of exposed concrete on residences or outbuildings.

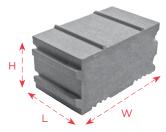
U-Cara® Retaining Wall System



STANDARD SURE TRACK® BACKER 6"Hx8"Lx6"W 15 cm x 20 cm x 15 cm



CORNER/LARGE SURE TRACK BACKER 6"Hx7"Lx12"W $15 \, \text{cm} \, \text{x} \, 17.5 \, \text{cm} \, \text{x} \, 30 \, \text{cm}$



LARGE BACKER 6"Hx7"Lx12"W 15 cm x 17.5 cm x 30 cm



reddot award 2019 winner

The Red Dot Award is an international design award event that appraises the best products created each year. Awards are only given to those products which exhibit the highest level of design and engineering ingenuity.



UNIVERSAL BASE UNIT 2"Hx19"Lx14"W 5.5 cm x 48.2 cm x 35.5 cm



UNIVERSAL COPING 2.75" H x 19" L x 14" W 7 cm x 48.2 cm x 35.5 cm



SURE TRACK CORNER INSERT L = 2''(5 cm)



U-CARA® STANDARD FASCIA PANEL 6" H x 18.5" L x 2.36" W 15 cm x 46.6 cm x 6 cm



U-CARA CLOSED-END FASCIA CORNER PANEL 6"Hx20.9"Lx2.36"W 15 cm x 53 cm x 6 cm



U-CARASTANDARD FASCIA HALF PANEL 6"Hx9.25"Lx2.36"W 15 cm x 23.3 cm x 6 cm



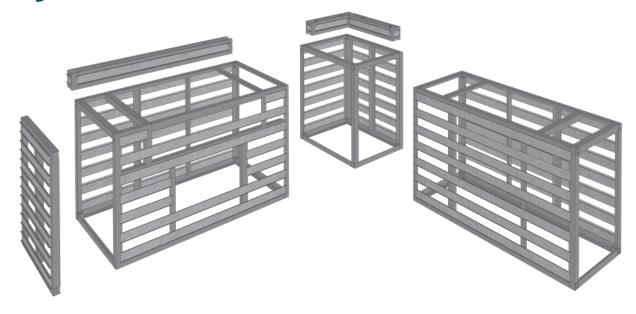
U-CARA 3" PANEL 3"Hx9.25"Lx2.36"W 7.5 cm x 23.3 cm x 6 cm

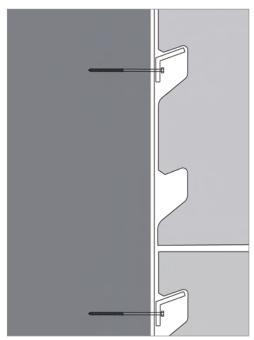
All measurements are nominal.

U-Cara Modular System

U-Cara Modular Units are a brilliant complement to the U-Cara System. These aluminum framed cabinets offer up both a labor-saving and time-saving solution for constructing a variety of outdoor living features, such as grill islands, bars and columns.

What usually would take 2 days to build, can now be constructed in only a few hours. The framing of these units are 100% aluminum making them rust free and easily transported into a difficult access locations.



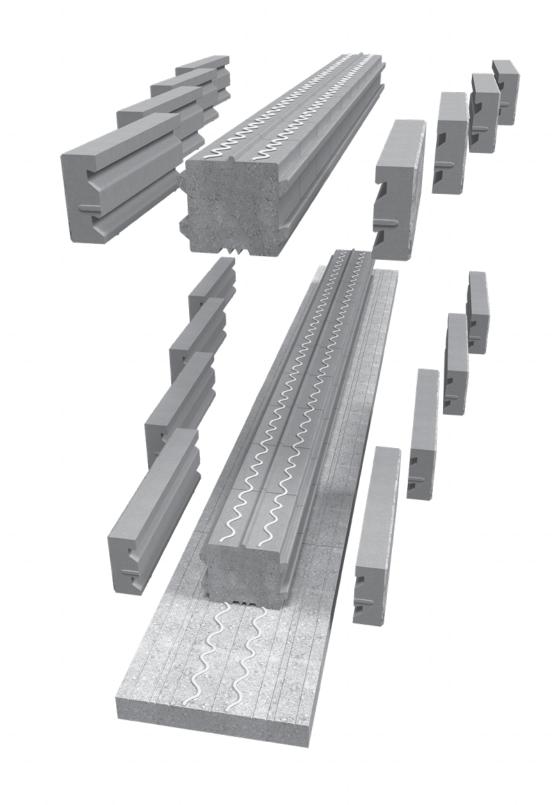


U-Cara Wall Mount System

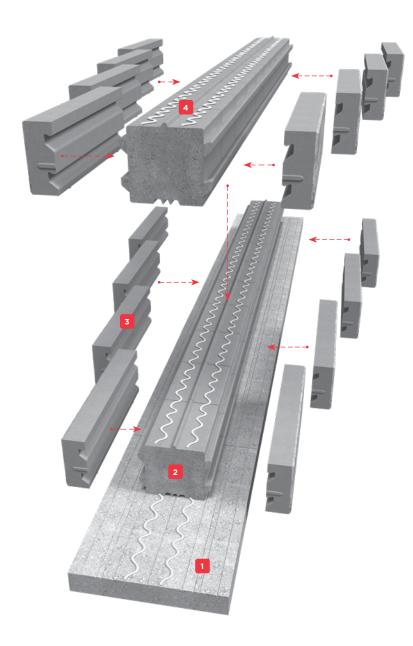
The U-Cara Wall Mount System is comprised of angled rails mounted on any vertical substrate using an alignment bar system so you can easily clad foundations, garages or cabanas with the same U-Cara Panels used elsewhere in your design creating a cohesive overall design.

J'CARA RETAINING WALL COMPONENTS

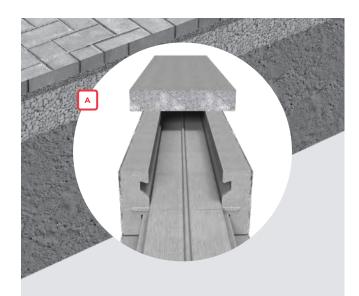
U-Cara retaining walls are basically made up of two components, Sure Track® Backer Blocks and U-Cara Fascia panels. The backer blocks provide the structure and the fascia panels provide the look. The system also comes with corners units, accent fascias and U-Grip Base Pads for rapid installation.



Seat Walls



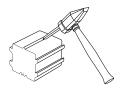
- Universal Base Unit (or poured in place concrete pad).
- Standard Backers must be glued to concrete base pad.
- Hang fascia panels before glue sets.
- Use concrete glue between all course of backer blocks.



A LOCK-BONDING

When a fascia panel straddles two courses of backer blocks, the wall will automatically be strengthened by a mechanical connection called, "lock-bonding". The resulting channel on the top row can be used to run utilities.

Two-sided seat wall - assembly



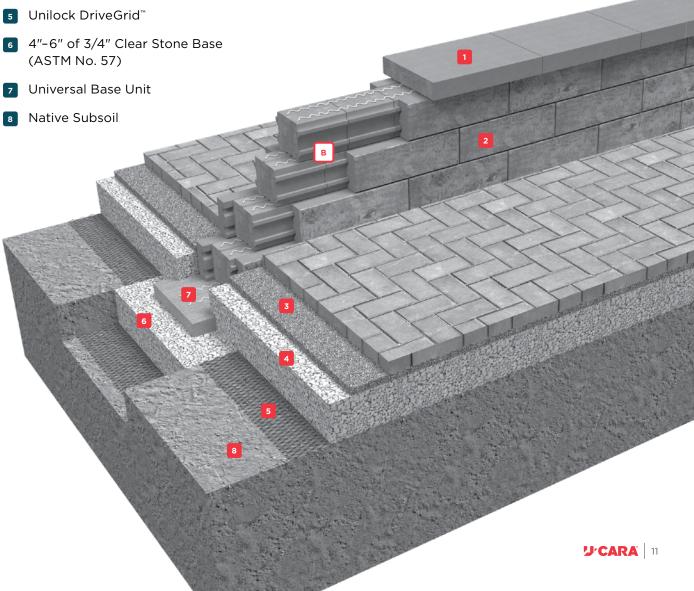
Sure Track Backer Blocks offer various options for positioning U-Cara Fascia Panels. Fascia panels can be placed anywhere and on any track vertically or horizontally. This can only be done when the backers are stacked vertically.

Remove the alignment key from the top row of backers to properly adhere the coping.

- 1 Universal 14" x 19" Coping (1.75" overhang each side)
- U-Cara Fascia Panels (on both sides)
- Paver Bedding Course 1/4" Clear Chip Stone (ASTM No. 8 or 9)
- 4"-6" of 3/4" Clear Stone Base (ASTM No. 57)



Always offset each row of backers horizontally by half of a block width.



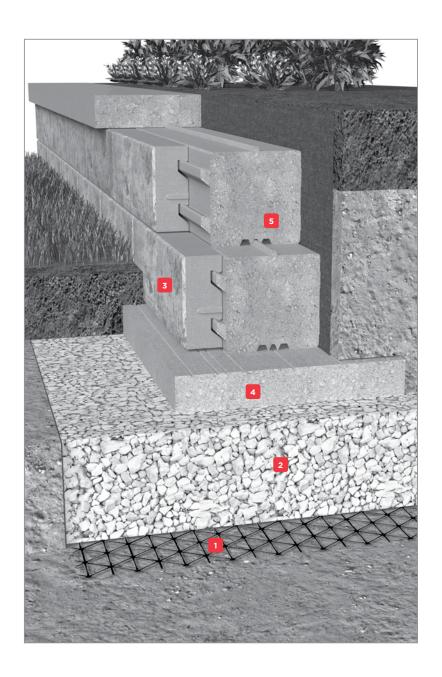
Low Walls and Planters

- DriveGrid or geotextile fabric.
- ³/₄" Clear Stone (ASTM No. 57) or Road Base (6" thick).
- ½ block height is required below grade.
- Universal Base Units (U-Grip™) or poured concrete pad.
- 5 Set back the blocks with provided alignment channel to add strength to the wall or planter.

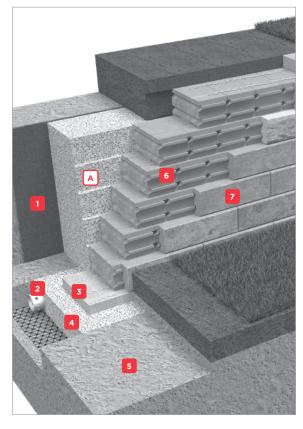
NOTE:

Base trench must be deep enough to accommodate min 4" (100mm) of open -graded gravel, the universal base unit and ½ of the block height below finished grade.

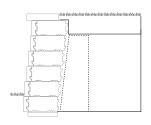
Be sure to remove all topsoil or any loose subsoil.



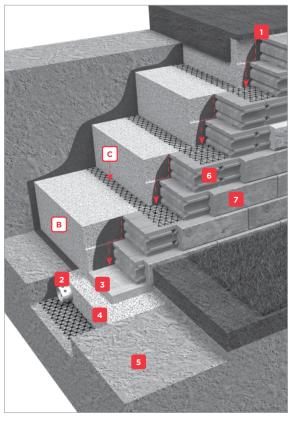
High Walls



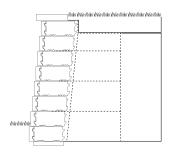
Gravity Wall



Gravity Wall with Large Sure Track® Backer Blocks



Geogrid Wall



Geogrid Reinforced Wall with Large Sure Track® Backer Blocks

- Filter Fabric
- Perforated Drainage Pipe
- Universal Base Unit
- 3/4" Clear Stone (ASTM No. 57) or Road Base (6" thick)
- 5 Subsoil
- 6 Large Sure Track Backer Block
- 7 U-Cara Fascia Panel

Gravity Wall

A 3/4" Clear Stone (ASTM No. 57) Backfill min. 12" wide

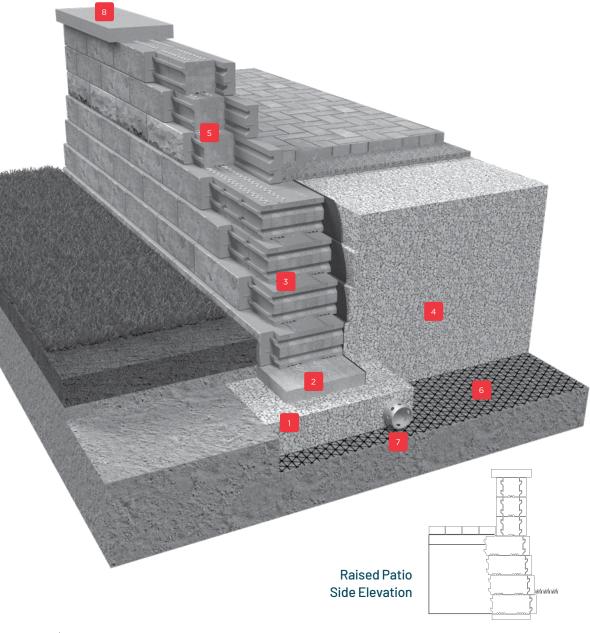
Geogrid Wall

- **B** Compacted Granular Fill as specified by engineer
- Approved Geogrid

NOTE:

For more information on engineering high walls see page 21.

Raised Patios



- Minimum 6" (150mm) thick 3/4" clear (ASTM No. 57) gravel base.
- 2 Adhere first row of Large Backers to Universal Base Units or poured concrete pad.
- Install Large Backers in the set-back position.
- Line with filter fabric and backfill patio area with 3/4" clear (ASTM No. 57) gravel
- Install Standard Backers vertically for the seat wall portion. Glue each row.
- DriveGrid or geotextile fabric.
- 4" perforated drain. Must daylight for complete drainage.
- Glue coping with concrete adhesive.

NOTE:

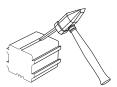
This wall may require a railing. Always follow prevailing building codes.

Fire Pits

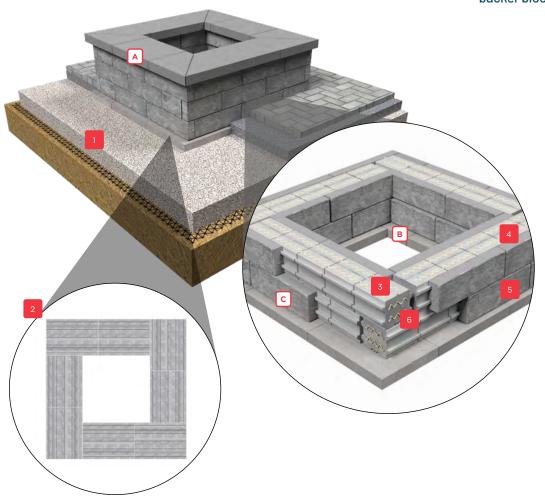
- Minimum 6" (150mm) thick 3/4" clear (ASTM No. 57) gravel base.
- Install 8 Universal Base units.
- Remove alignment keys as required to construct corners or to adhere coping.
- All Backer Blocks must be glued with heat rated glue (1200 F).
- 5 Clad each course with U-Cara Fascia Panels.
- Glue corner fascia panels where no rail exists.

Tips

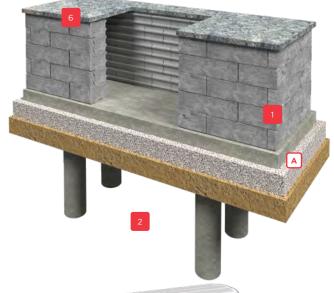
- A Only use construction adhesive rated for high-heat applications. A 1200°F minimum rating is recommended.
- If you are building a gas fire pit, make sure that you run your gas line to the center of the pit area before installing the base units.
- Always apply adhesive between the bottom of the first row of fascia panels and the Universal Base Unit.



Remove alignment key from top row of backer blocks.

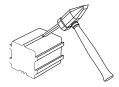


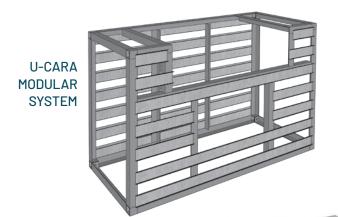
Grill Islands





Remove alignment key from top row of backer blocks.





NOTE:

Build grill islands faster with U-Cara Modular Systems. These aluminum frame cabinets will trim days down to hours. See page 27.



- Reinforced poured concrete pad 6" (150mm) thick
- 10" (250mm) Dia. Sono Tube supports required for frost protection
- Minimum 6" (150mm) 3/4" clear (ASTM No. 57) gravel base
- Use Standard Backers to build main structure. Glue all courses.
- Use Large Backers to construct corners
- **Granite Countertop**

- A Install gas lines right after drilling into the piers and before pouring the concrete pad.
- Order the grill in advance of constructing the grill island so that you will know the exact dimensions for the opening in the grill island and the counter top.

Pillars

Pillars should be constructed on 6" (15 cm) to 12" (30 cm) of clear open graded gravel. The pillar embedment should never be less than 12" (30 cm) below grade.

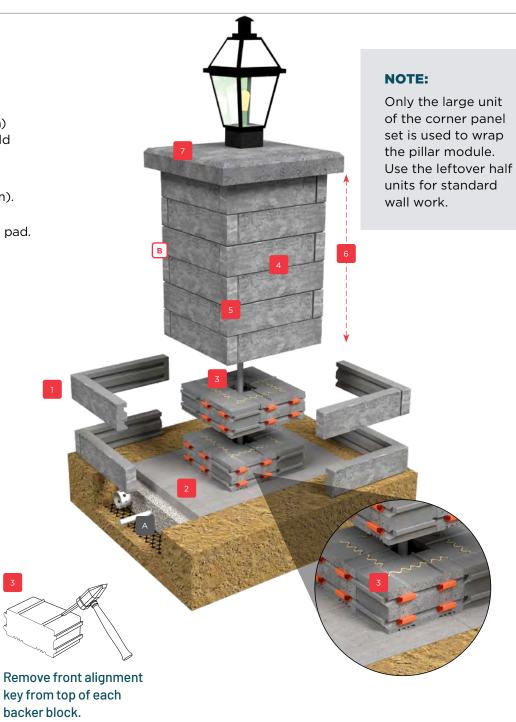
- Minimum pillar embedment below grade = 12" (300mm).
- Installs on 4 Universal Base Units or a poured concrete pad.
- Remove alignment keys from all 32 Large Backers.
- Square up each layer of 4 Large Backers with carpenter's square.
- Alternate each course with left and right U-Cara Corner Panels.
- Maximum height above grade 60" (1800mm).
- 7 Pillar Cap

NOTE:

Build Pillars faster with U-Cara Modular Systems. These aluminum frame cabinets will trim days down to hours.

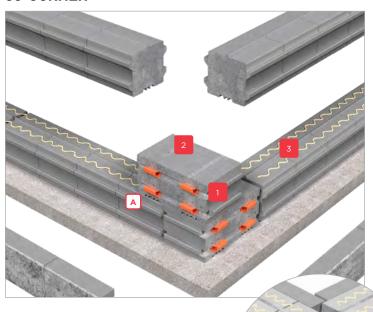
See page 27.





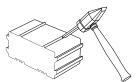
Corners

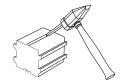
90° CORNER



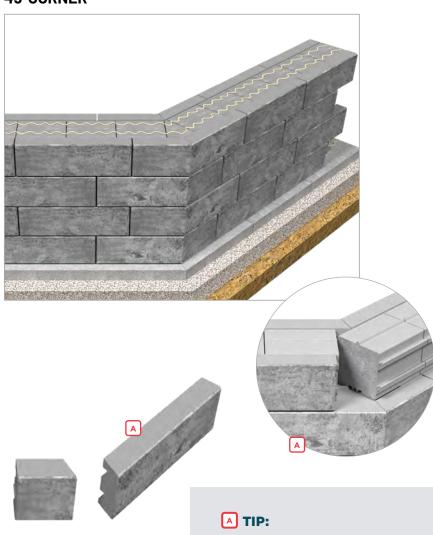
- Use Large/Corner Backers to construct corners
- 2 Remove alignment key "log cabin" corners
- 3 Always use adhesive when constructing corners
- Alternate corner can be constructed using Standard Backers

Remove alignment keys from corner backer blocks.

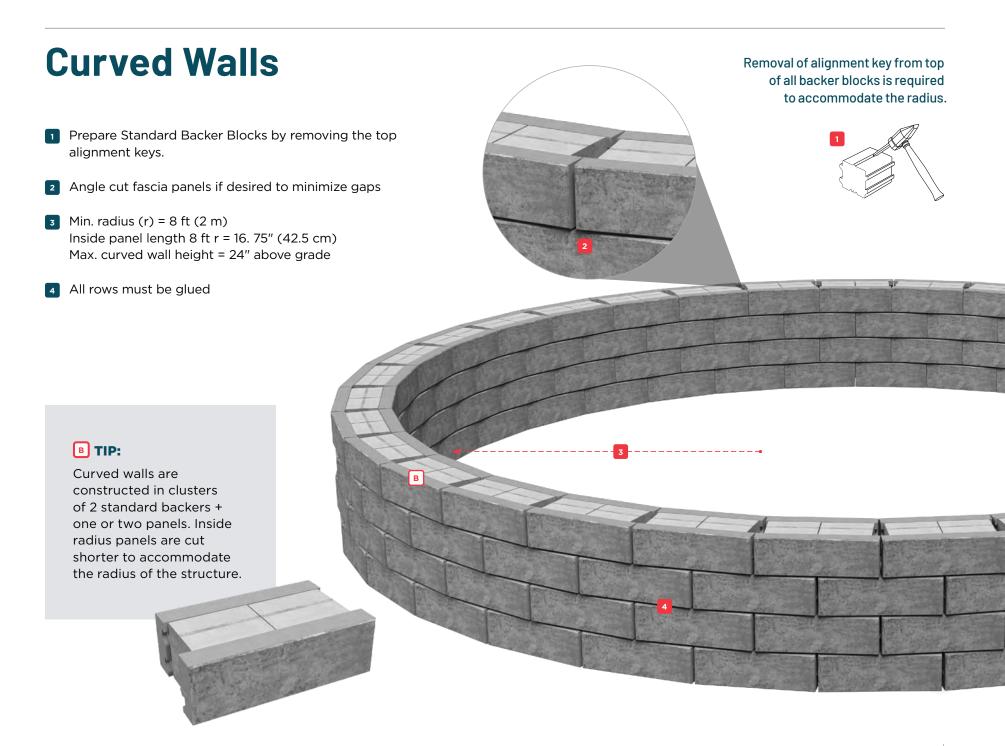




45° CORNER



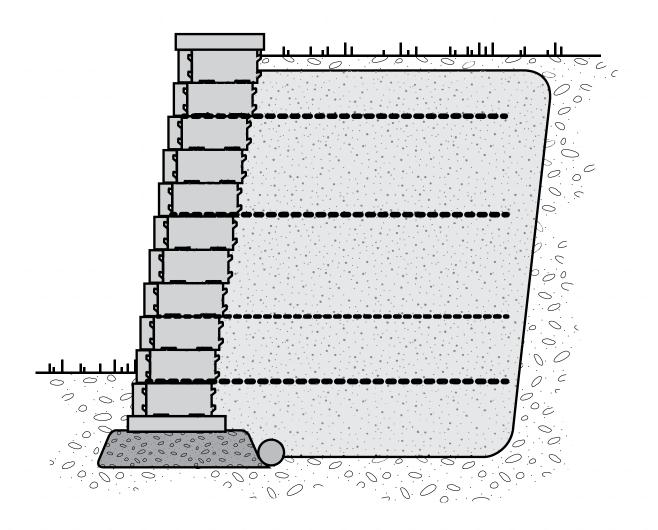
Gaps between Backer Blocks are easily covered with the fascia panels



J'CARA ENGINEERED RETAINING WALLS

Structural retaining walls and walls over 3ft (1m) must be engineered to suit the application. U-Cara retaining walls incorporate geogrid as the primary reinforcement component of the wall.

The following wall height charts provide preliminary guidance as to how much geogrid may be required for various wall heights. These charts are for planning purposes only.



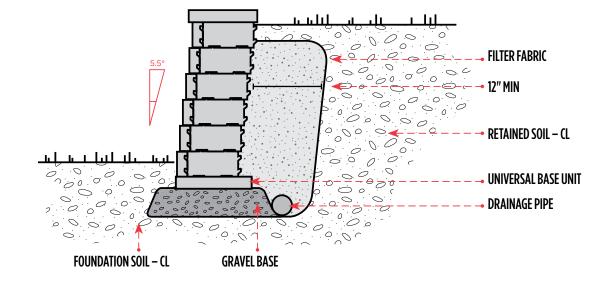
NOTE:

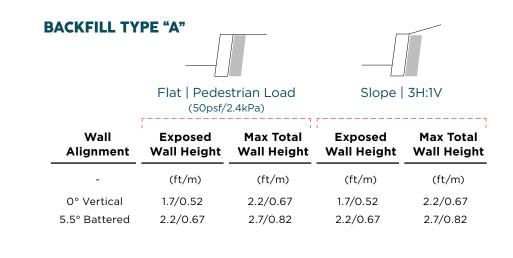
Unilock can help provide you with site-specific engineering so you can construct your retaining wall project with confidence and as always, we are happy to drop the jobsite where possible, to get you started on the right foot.

Gravity Walls STANDARD BACKFILL

A gravity wall with "standard backfill" is backfilled with a vertical column of free draining gravel directly behind the block wall. This construction is generally used when the location of the wall requires that the embankment be cut in (excavated) first.

SEE HEIGHT CHART BELOW.





DISCLAIMER:

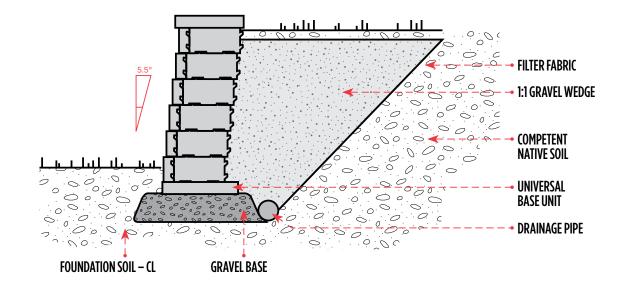
The above design information is being provided for preliminary estimate and feasibility purposes only, and should not be used for construction. Prior to wall construction, a Final Design must be supplied by a qualified Engineer licensed in the applicable State/Province.

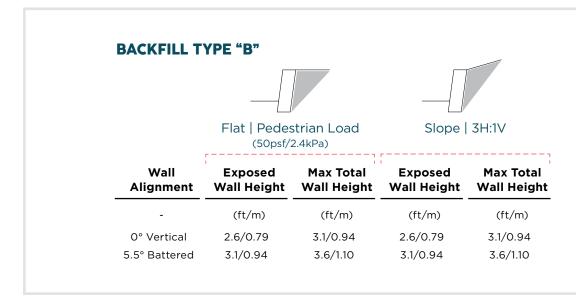
Handrails and/or traffic barriers are not shown but are typically required and may influence the wall design. The above design is not to be used with the terraced structures, water applications or within the line of influence of other permanent structures.

Gravity Walls WEDGE BACKFILL

A gravity wall with "wedge backfill" is backfilled with a wedge shaped area of free draining gravel directly behind the wall filling in the area between the wall blocks and a sloped embankment. This construction method has superior drainage and load capacity.

SEE HEIGHT CHART BELOW.



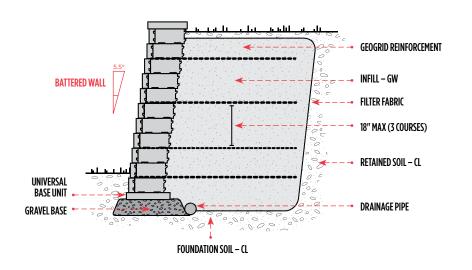


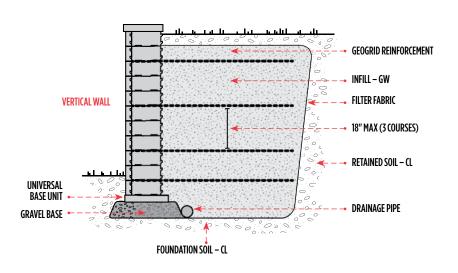
NOTE:

Backfill gravel to be freedraining material in accordance with NCMA recommendations. A minimum embedment of 0.5 ft./0.15 m

Geogrid Reinforced Walls

TYPICAL CROSS SECTION





Soil Condition	Description		0-degrees	Unit Weight (g-lb/cu.ft)	
Infill (Reinforced)	GW	Well graded gravel, gravel sand, max 5% fine content	35	140	
Retained	CL	Inorganic Clays, low-med plasticity	28	125	
Foundation	CL	Inorganic Clays, low-med plasticity	28	125	

DISCLAIMER:

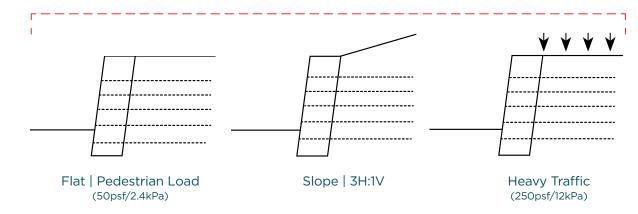
Geogrid Reinforcement to be Strategrid 200 or approval equivalent. The above design information is being provided for preliminary estimate and feasibility purpose only, and should not be used for construction. Prior to wall construction, a Final Design must be supplied by a qualified Engineer licensed in the applicable State/Province. Handrails and/or traffic barriers are not shown but are typically required and may influence the wall design. The above design is not to be used with the terraced structures, water applications or within the line of influence of other permanent structures.

Geogrid Reinforced Walls

TYPICAL GRID LENGTH

Top of Wall Load Conditions

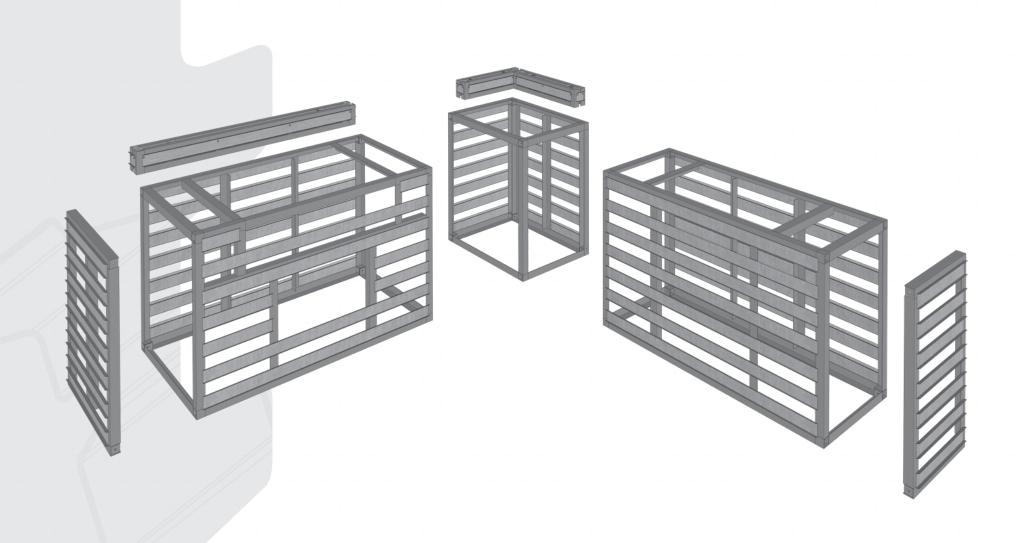
- Geogrid Length
- Wall Embedment
- Load Conditions



Embedment	Total Wall Height	No. Geogrid Layers	Flat Pedestrian Load (50psf/2.4kPa)	Slope 3H:1V	Heavy Traffic (250psf/12kPa)
(ft/m)	(ft/m)		Grid Length (ft/m)	Grid Length (ft/m)	Grid Length (ft/m)
0.5/0.15	3.7/1.12	2	4.0/1.22	4.0/1.22	4.0/1.22
0.5/0.15	4.2/1.27	2	4.0/1.22	4.0/1.22	4.0/1.22
0.5/0.15	4.7/1.42	3	4.0/1.22	4.5/1.37	4.5/1.37
0.5/0.15	5.2/1.56	3	4.5/1.37	4.5/1.37	4.5/1.37
0.6/0.17	5.6/1.72	3	4.5/1.37	5.0/1.52	5.0/1.52
0.6/0.19	6.1/1.87	4	5.0/1.52	5.5/1.68	5.5/1.68
0.7/0.20	6.6/2.02	4	5.0/1.52	5.5/1.68	5.5/1.68
0.7/0.22	7.1/2.17	4	5.5/1.68	6.0/1.83	6.0/1.83
0.8/0.23	7.6/2.32	5	6.0/1.83	6.5/1.98	6.5/1.98
0.8/0.25	8.1/2.47	5	6.0/1.83	7.0/2.13	7.0/2.13
0.9/0.26	8.6/2.62	5	6.5/1.98	7.0/2.13	7.0/2.13
	(ft/m) 0.5/0.15 0.5/0.15 0.5/0.15 0.5/0.15 0.6/0.17 0.6/0.19 0.7/0.20 0.7/0.22 0.8/0.23 0.8/0.25	Wall Height (ft/m) (ft/m) 0.5/0.15 3.7/1.12 0.5/0.15 4.2/1.27 0.5/0.15 4.7/1.42 0.5/0.15 5.2/1.56 0.6/0.17 5.6/1.72 0.6/0.19 6.1/1.87 0.7/0.20 6.6/2.02 0.7/0.22 7.1/2.17 0.8/0.23 7.6/2.32 0.8/0.25 8.1/2.47	Wall Height Layers (ft/m) (ft/m) 0.5/0.15 3.7/1.12 2 0.5/0.15 4.2/1.27 2 0.5/0.15 4.7/1.42 3 0.5/0.15 5.2/1.56 3 0.6/0.17 5.6/1.72 3 0.6/0.19 6.1/1.87 4 0.7/0.20 6.6/2.02 4 0.7/0.22 7.1/2.17 4 0.8/0.23 7.6/2.32 5 0.8/0.25 8.1/2.47 5	Wall Height Layers Load (50psf/2.4kPa) (ft/m) (ft/m) Grid Length (ft/m) 0.5/0.15 3.7/1.12 2 4.0/1.22 0.5/0.15 4.2/1.27 2 4.0/1.22 0.5/0.15 4.7/1.42 3 4.0/1.22 0.5/0.15 5.2/1.56 3 4.5/1.37 0.6/0.17 5.6/1.72 3 4.5/1.37 0.6/0.19 6.1/1.87 4 5.0/1.52 0.7/0.20 6.6/2.02 4 5.0/1.52 0.7/0.22 7.1/2.17 4 5.5/1.68 0.8/0.23 7.6/2.32 5 6.0/1.83 0.8/0.25 8.1/2.47 5 6.0/1.83	Wall Height Layers Load (50psf/2.4kPa) (ft/m) (ft/m) Grid Length (ft/m) Grid Length (ft/m) 0.5/0.15 3.7/1.12 2 4.0/1.22 4.0/1.22 0.5/0.15 4.2/1.27 2 4.0/1.22 4.0/1.22 0.5/0.15 4.7/1.42 3 4.0/1.22 4.5/1.37 0.5/0.15 5.2/1.56 3 4.5/1.37 4.5/1.37 0.6/0.17 5.6/1.72 3 4.5/1.37 5.0/1.52 0.6/0.19 6.1/1.87 4 5.0/1.52 5.5/1.68 0.7/0.20 6.6/2.02 4 5.0/1.52 5.5/1.68 0.7/0.22 7.1/2.17 4 5.5/1.68 6.0/1.83 0.8/0.23 7.6/2.32 5 6.0/1.83 6.5/1.98 0.8/0.25 8.1/2.47 5 6.0/1.83 7.0/2.13

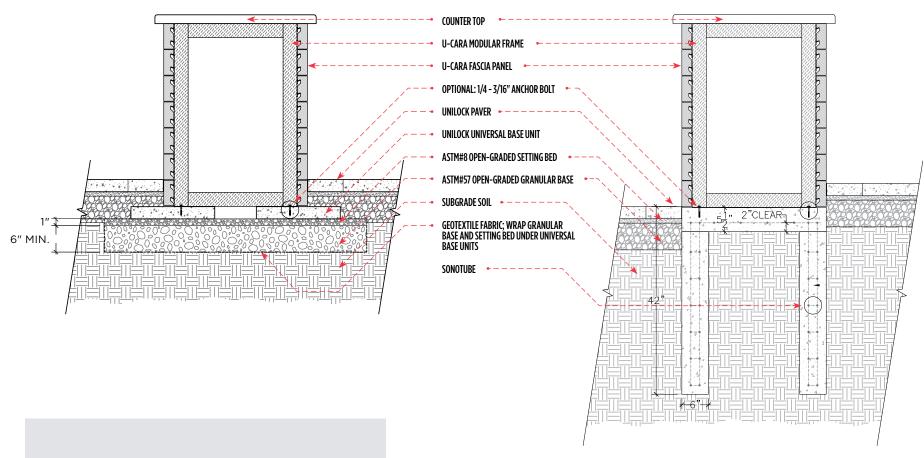
J'CARA MODULAR SYSTEM

U-Cara Modular System is comprised of precision manufactured aluminum cabinets and panels which are used to rapidly build outdoor living features such as grill islands, fire features and columns in a fraction of the time compared to using conventional backer blocks. Easy to transport, assemble and clad with U-Cara fascia panels these modules are a hardscape game-changer.



Modular System Base

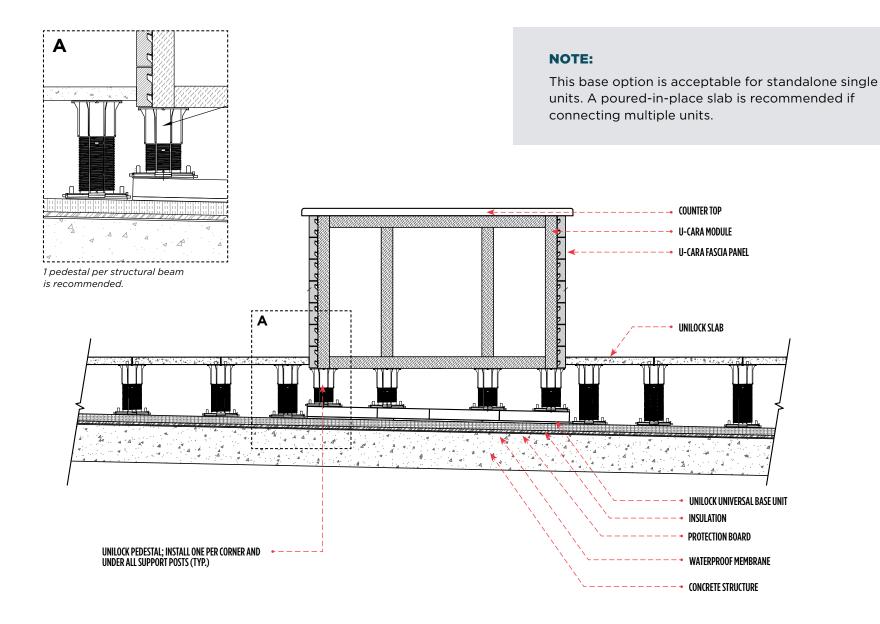
TYPICAL



NOTE:

When connecting multiple modules together, a reinforced poured-in-place slab is required.

Modular System Base ROOFTOP APPLICATIONS



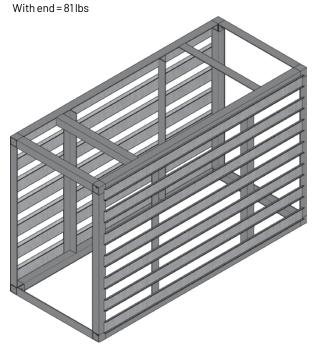
Base Module COMPONENTS

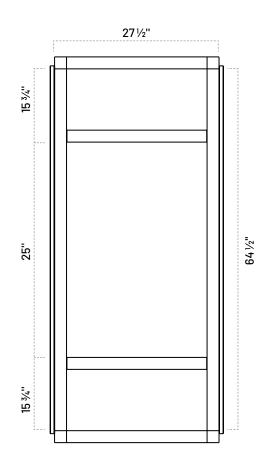
DIMENSIONS

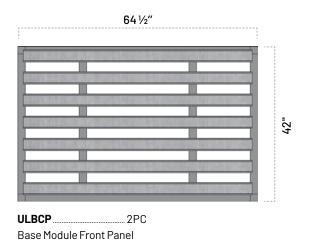
32 1/2" X 69 1/2" (Outside To Outside)

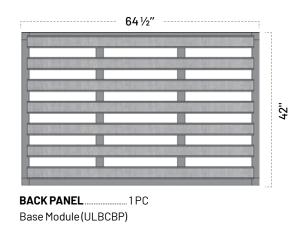
WEIGHT

Without end = 59 lbs





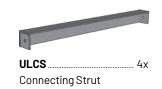












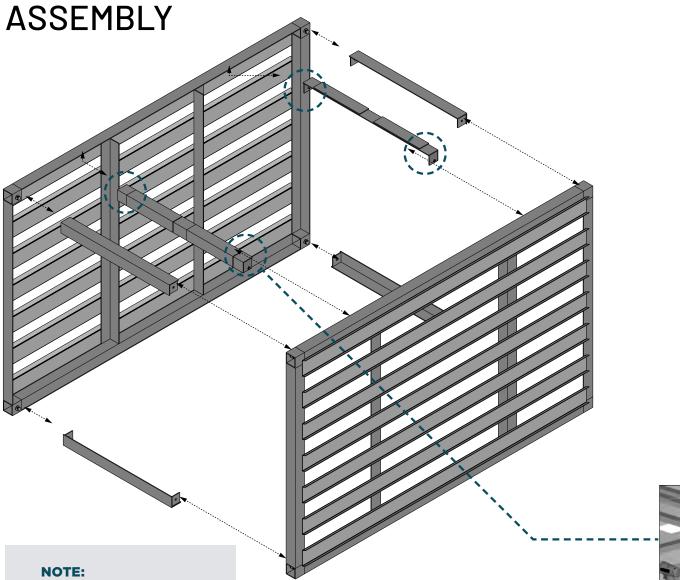


If oversized stand-alone

bar unit is desired,

Kits are required (UL-ECK-OS).

2 Oversized End Clad



NOTE:

FULLY

ASSEMBLED

Base module has 2 open ends (no rails) to accommodate connections.

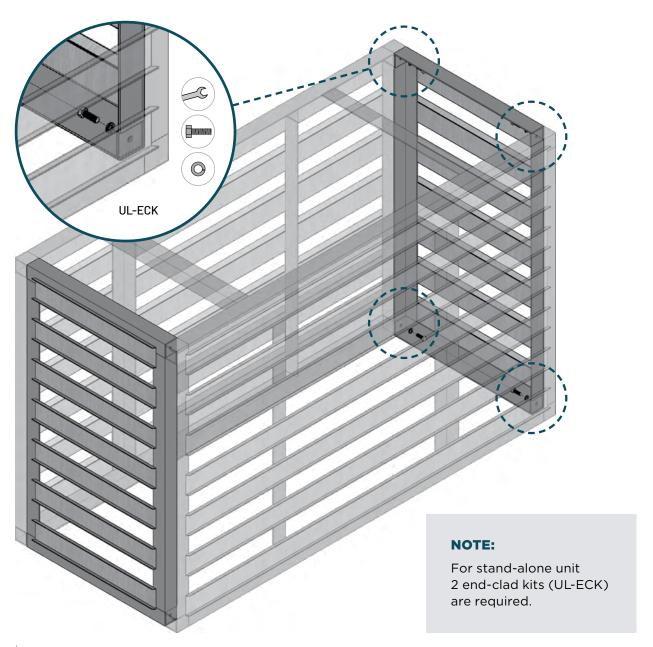


Connect with self-tapping screw (ST02)



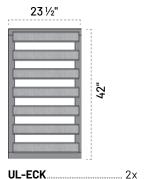
Braces are attached via tab and a self-tapping screw

STAND ALONE UNIT (WITH END CLADDING)

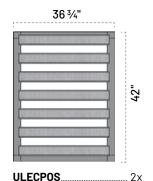


NOTE:

Remove connecting struts and replace with end-clad panel using existing hardware.

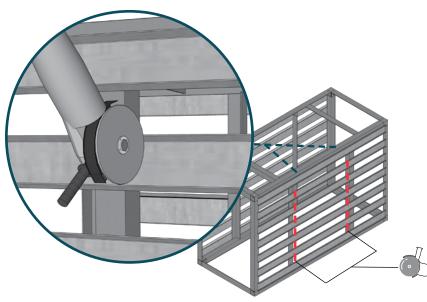


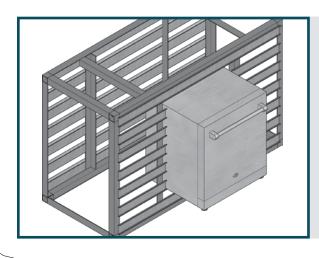
Standard End-Clad Panel



Oversized End-Clad Panel

REFRIGERATOR CUT-OUT OPTION





NOTE:

Cut opening to provide sufficient clearance for refrigerator. (Max opening 25"). Top and bottom support beams should not be cut.

FIRETABLE

NOTE:

Use adjustable rail to provide support for fire pan.

A CAUTION:

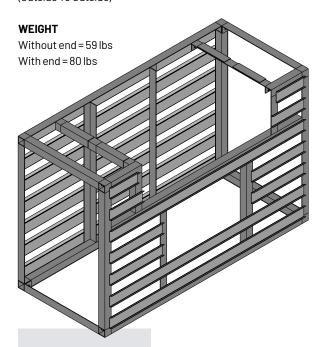
Refer to manufacturer requirements for clearances and ventilation needed for Natural Gas/ Propane burner insert.



Grill Module COMPONENTS

DIMENSIONS WITH FASCIA PANEL

32 1/2" X 69 1/2" (Outside To Outside)



271/2" 113/4" 64 1/2" 1.1 11 34"

NOTE:

Grill module has 2 open ends to accommodate connections.

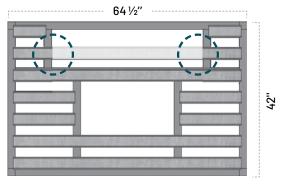




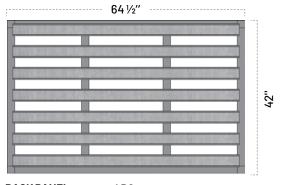


NOTE:

Rail is removed by unscrewing the self-tapping screws to accommodate various grills.



FRONT PANEL......1PC Grill Module (ULGCFP)



BACK PANEL.... Grill Module (ULGCFP)





ASSEMBLY - STANDARD WIDTH



Connect with self-tapping screw (ST02)

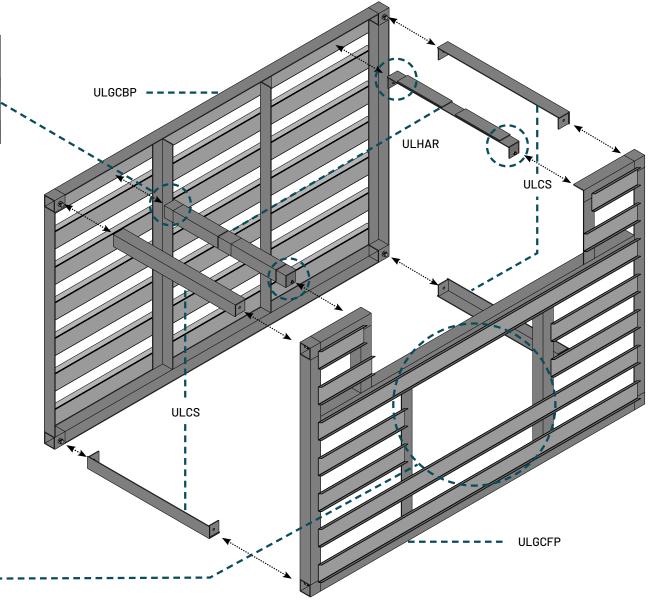


Braces are attached via tab and a self-tapping screw

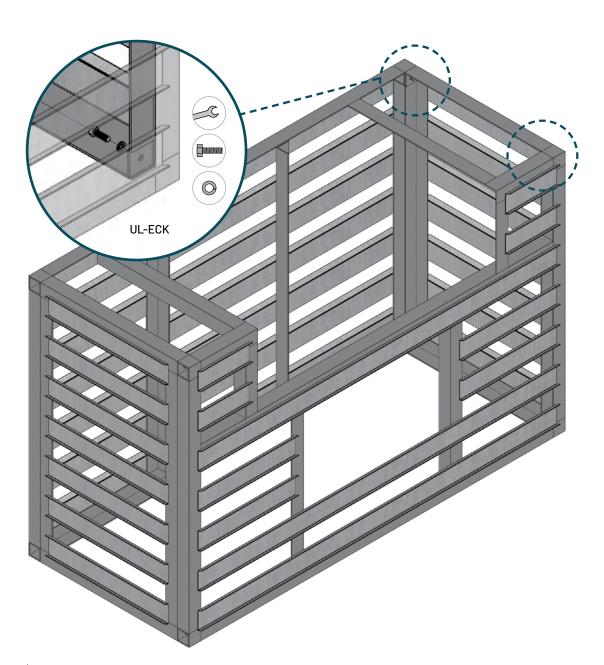
NOTE:

ROUGH DOOR OPENING

173/8" H x 271/16" W. U-Cara 27" stainless steel DBL door available to fit opening without metal modification.



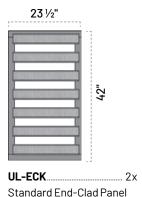
STAND-ALONE UNIT

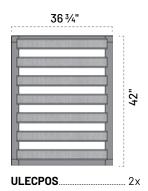


NOTE:

Grill Module has 2 open ends (no rails) to accommodate connections.

If stand-alone grill is desired, 2 End-Clad Kits (ECK) are required.





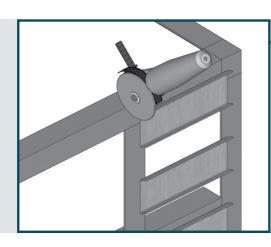
Oversized End-Clad Panel

CUT-OUT FOR GRILL

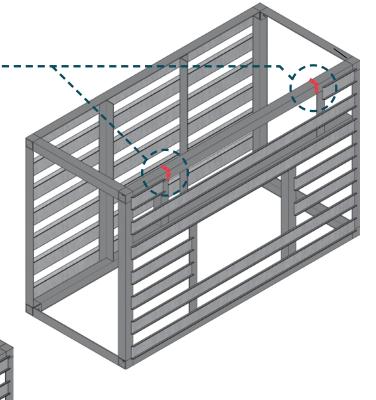
NOTE:

Typical cut for 42" drop in grill. Decrease cut-out dimension for smaller grills.

Grill module can accommodate 30" to 42" drop in grill.



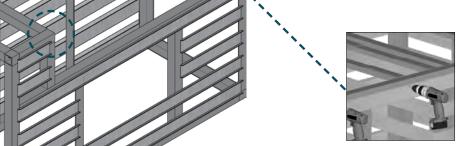
MAKE CUT-OUT FOR GRILL ON UL-GC



NOTE:

Typical cut for 42" drop in grill. Decrease cut-out dimension for smaller grills.

Grill module can accommodate 30" to 42" drop in grill.

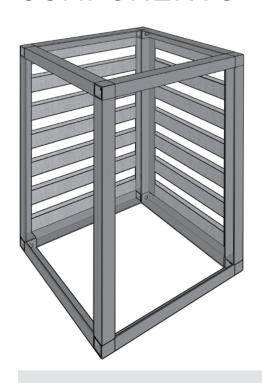


Connect with self-tapping screw (ST02)



Braces are attached via tab and a self-tapping screw

Corner Module COMPONENTS



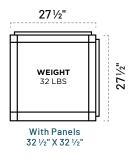
NOTE:

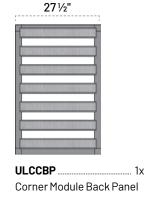
Can be used to extend the length of a base/grill module or to connect modules and change layout direction.

Oversized (OS) module will accommodate backsplash and or wider countertops.

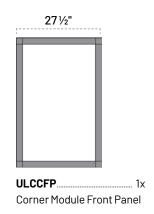
Corner back panel (ULCCBP) can be utilized to assemble a 3-sided unit.

STANDARD WIDTH

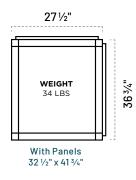




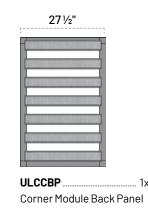


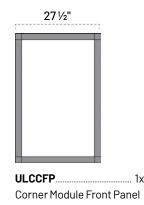


OVERSIZED WIDTH











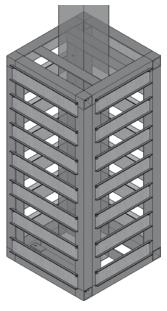






Pillar Module

STANDARD AND OVERSIZED

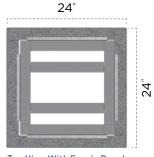


MODULE **DIMENSIONS**

18 ½" x 18 ½"

DIMENSIONS WITH FASCIA PANELS

24" x 24" (Outside To Outside)



Top View With Fascia Panels



END-CLAD PANEL



ULPUECP14.375...

183/8"



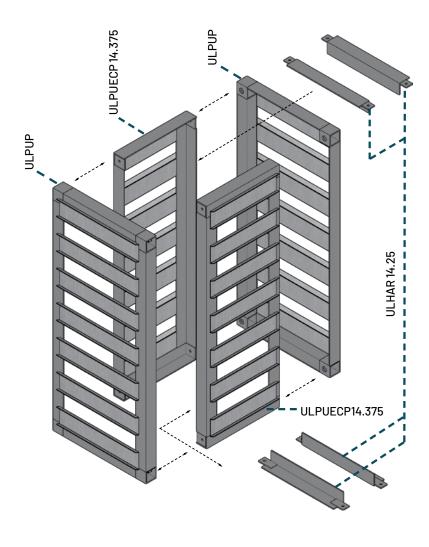


B01...

3/8" Bolt



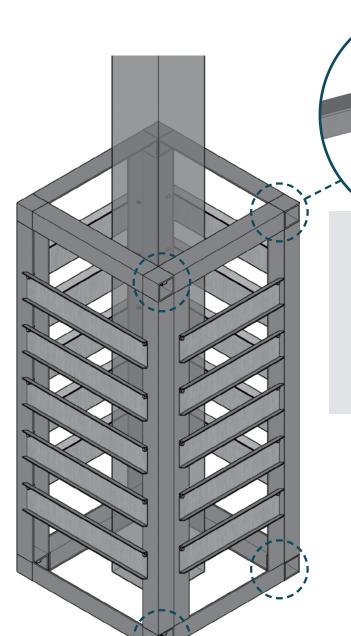




NOTE:

28" x 28" pillar cap required if not wrapping post.

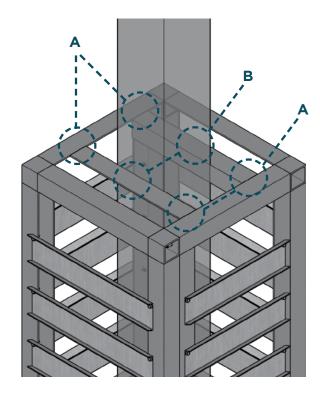
ASSEMBLY



NOTE:

Rails are removed to allow for access for post connection. Reconnect removed rails after beam connection has been made.

Use connecting struts to secure to pillar with interior beam.



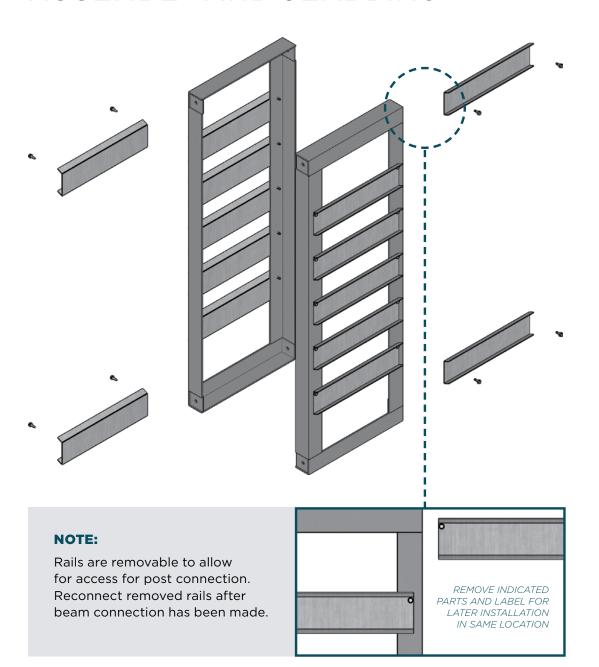


Connect with self-tapping screw (ST02)



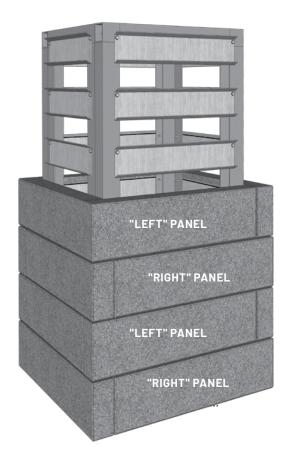
Braces are attached via tab and a self-tapping screw

ASSEMBLY AND CLADDING



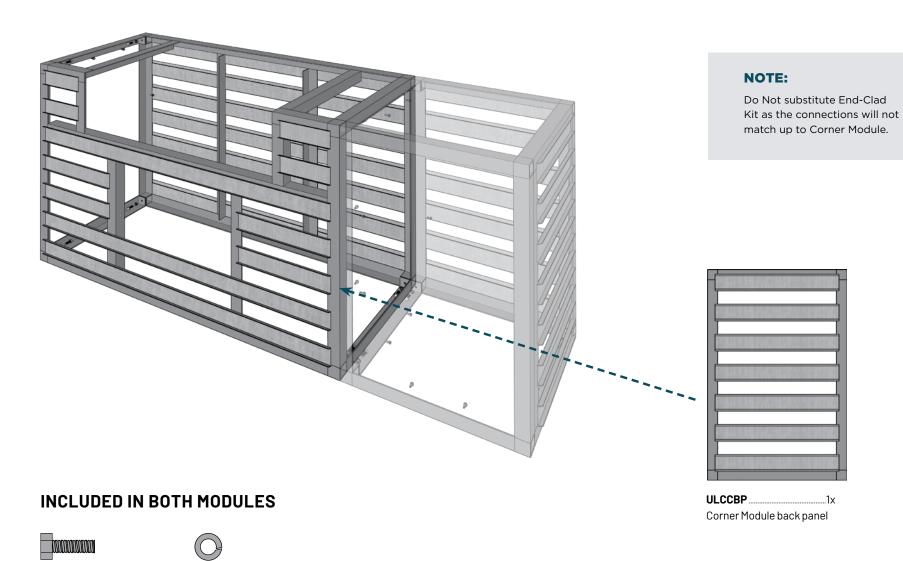
NOTE:

Only the large unit of the corner panel set is used to wrap the pillar module. Use the leftover half units for standard wall work.



Back Corner

(Used to convert both Corner Module and Oversized Corner Module to a three-sided unit)

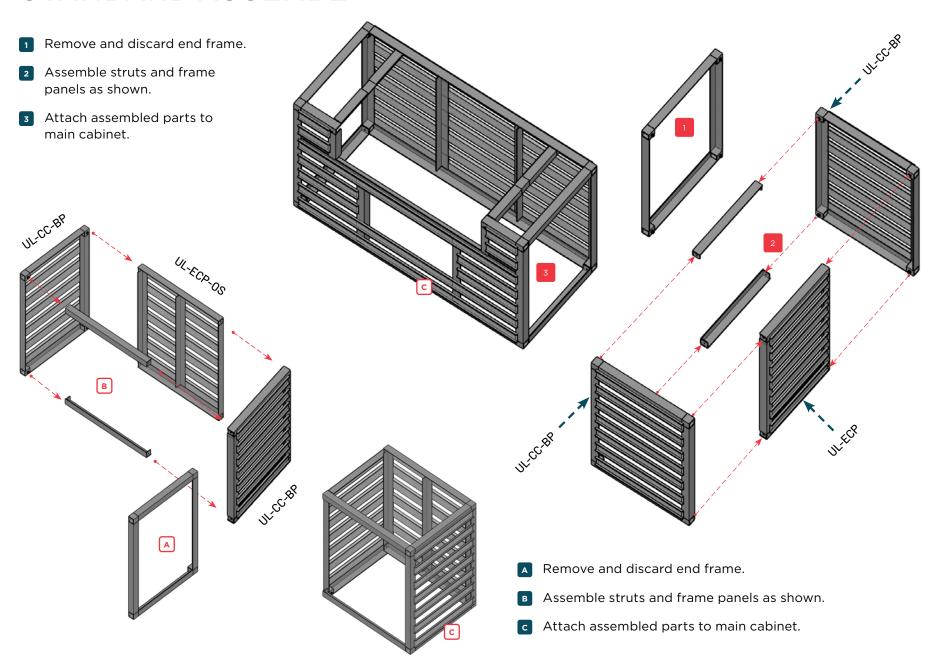


Lock Washer

3/8" Bolt

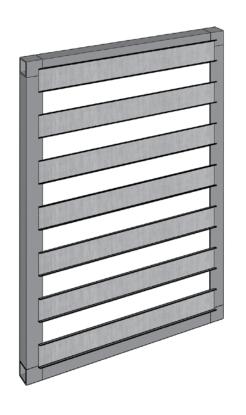
Back Corner

STANDARD ASSEMBLY



End-Clad Kits

(Used to convert base & grill module into stand-alone units)



STANDARD WIDTH



OVERSIZED WIDTH

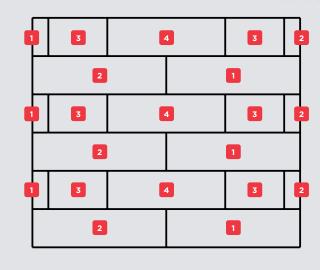
36 3/4"

WEIGHT: 16 LBS

OVERSIZED CABINET FRAME

- Right Corner
- 2 Left Corner
- 3 Half Panel
- 4 Standard Panel



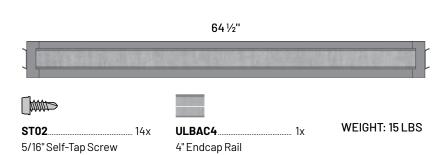


Backsplash Kits



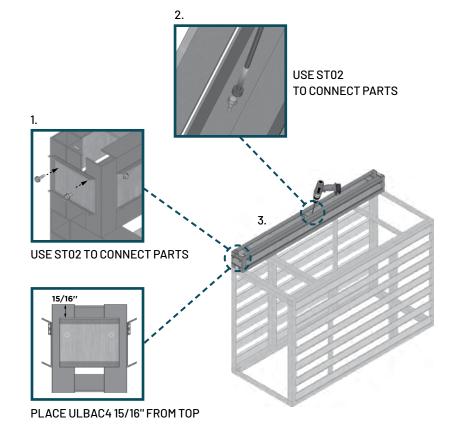
NOTE:

Backsplash Width = 101/4" including thickness of front and back fascia panels.

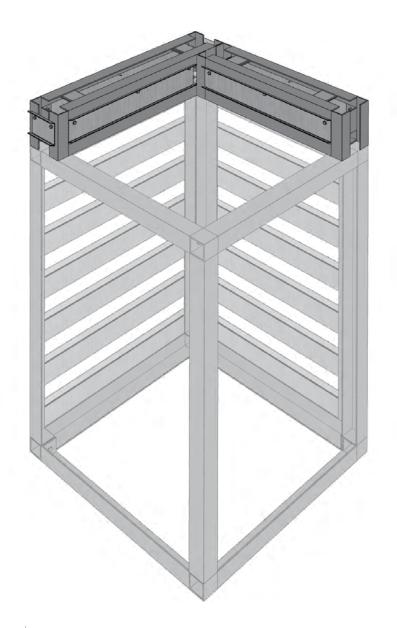


NOTE:

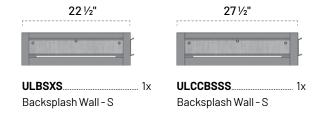
- 1. An additional end-cap rail has been provided so that you can finish the end of the blacksplash unit (if you are not extending or connecting to another unit).
- 2. Multiple units can be connected to each other or use included end rail to make a stand alone unit with 4 finished sides.
- 3. Each backsplash will accommodate 1 module per unit.



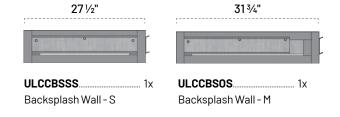
Corner Backsplash Kit COMPONENTS



STANDARD WIDTH



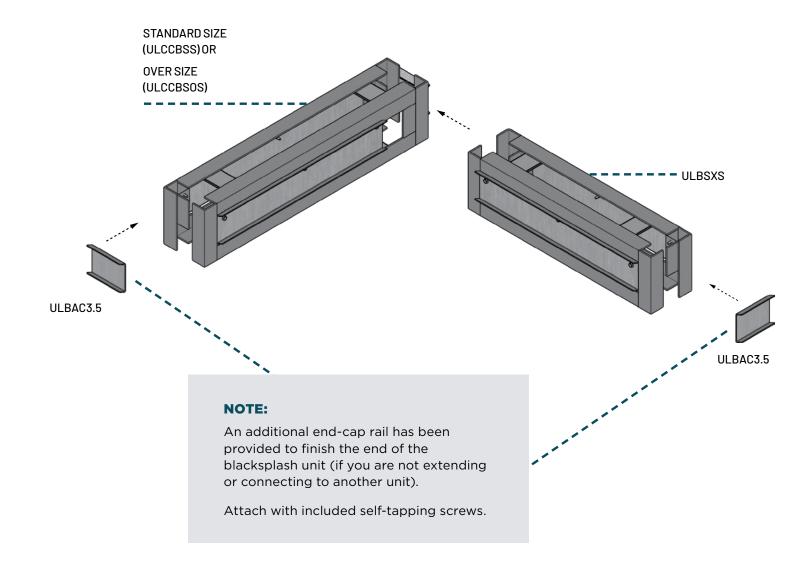
OVERSIZED WIDTH



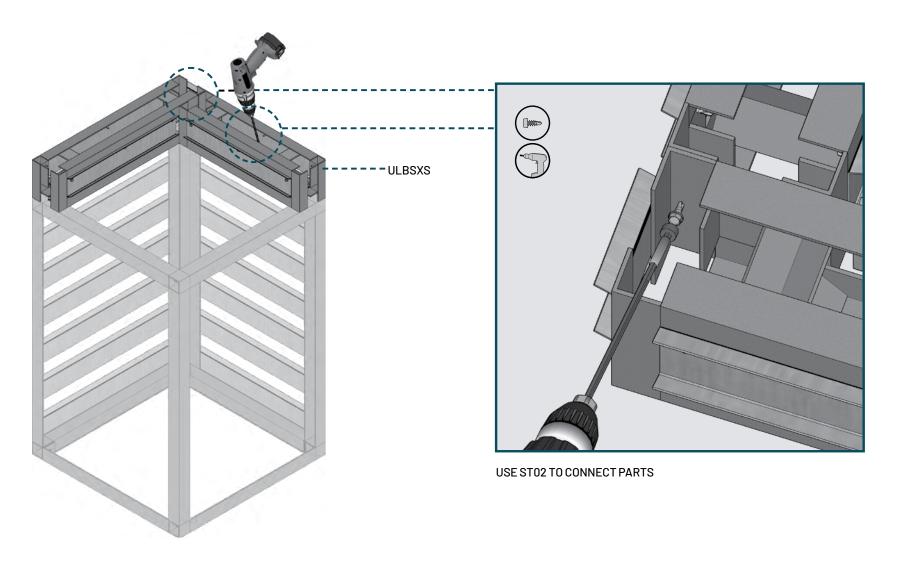
WHATS INCLUDED IN BOTH KITS

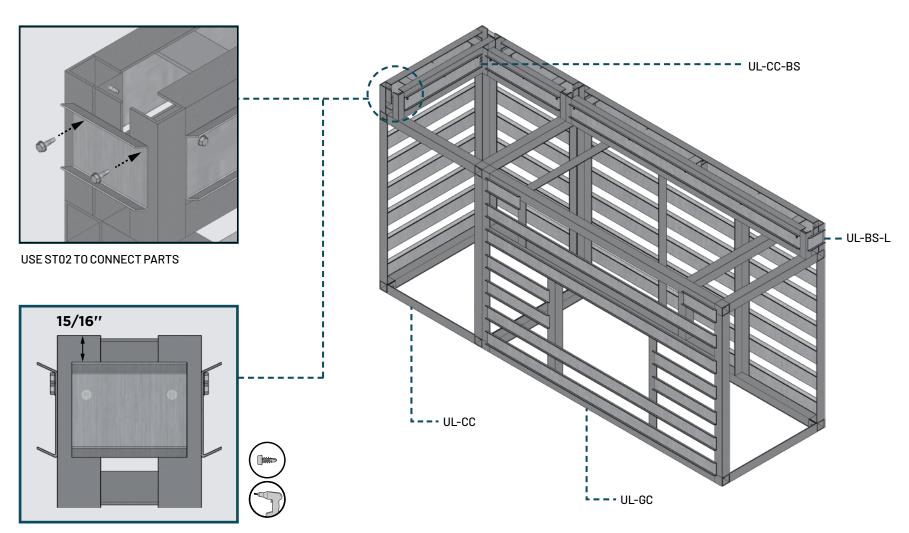


Corner Backsplash Kit



Corner Backsplash Kit

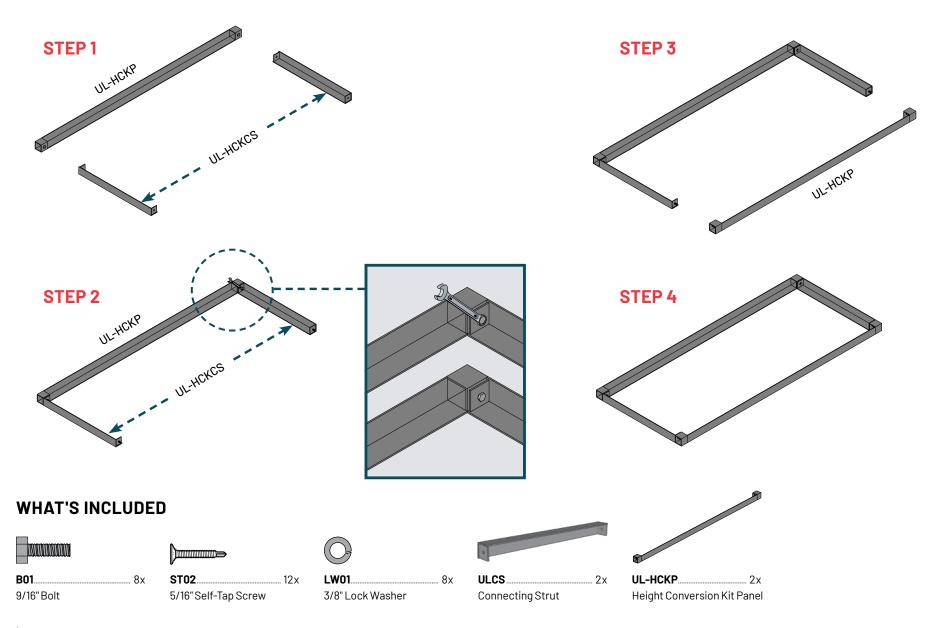


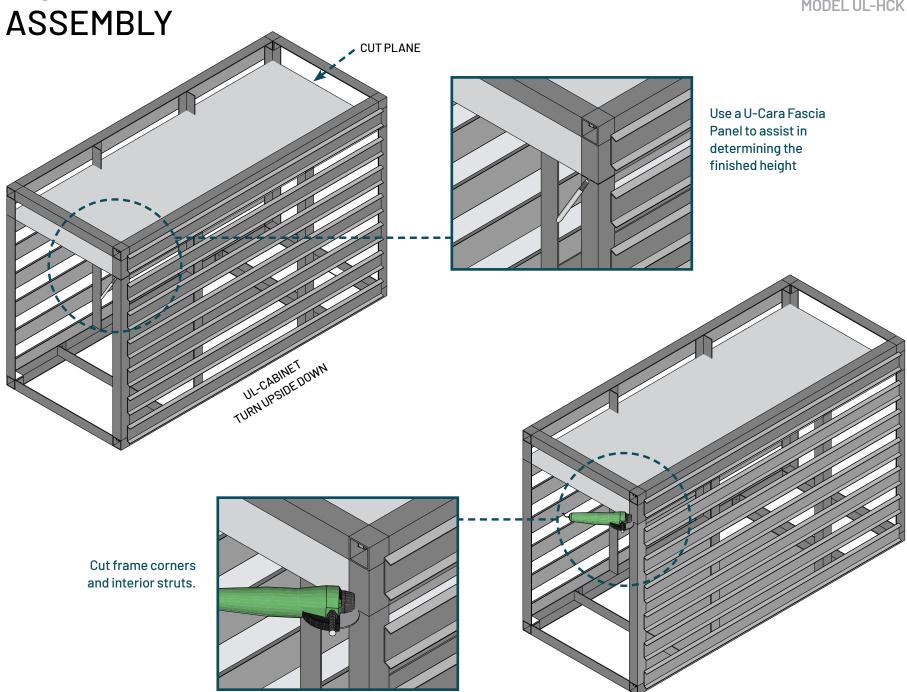


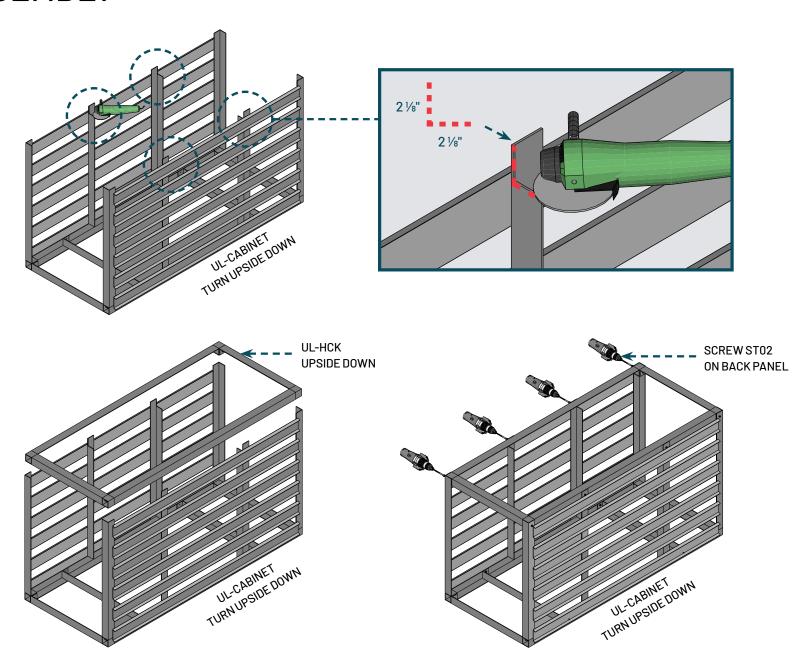
PLACE ULBAC3.5 15/16" FROM TOP

Height Conversion Kit

COMPONENTS





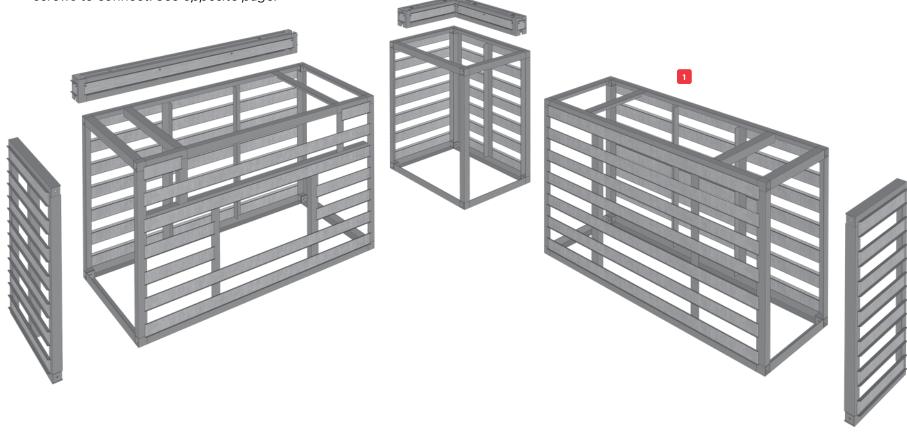


ASSEMBLY

Once new frame is attached, cabinet can be flipped over and UL-HAR can attached. **UL-CABINET** 35 5/8" ST02@1/8" **BELOW EXT**

Connecting Modules STEP-BY-STEP PROCESS

- Fully assemble all individual modules prior to connecting.
- Arrange the modules into the desired layout.
- Clamp adjoining modules and use included self-tapping screws to connect. See opposite page.

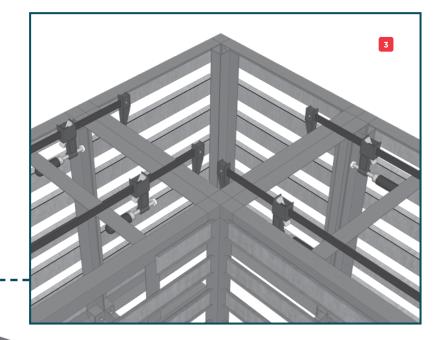


NOTE:

When connecting several modules, additional cross bracing may be required to stabilize the frame.

Use two self-tapping screws (included) per frame length to make connections.

Always square up, plumb and level before connecting with self-tapping screws.



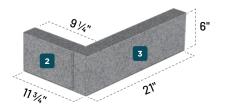


ST02....12x 5/16" Self-Tap Screw

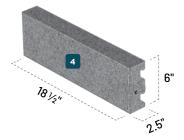
Module Dimensions CALCULATIONS

Fascia panels are approximately 2 ½" thick. RIGHT CORNER PANEL SET This width must be added to the aluminum frame dimensions for all visible sides. 914 Example: 64 ½" (Grill) + 27 ½" (Corner Module) = 92" Total Length 92" + 5" (2 Panel width) = 97" NO-CUT PANEL LAYOUT

LEFT CORNER PANEL SET



STANDARD PANEL

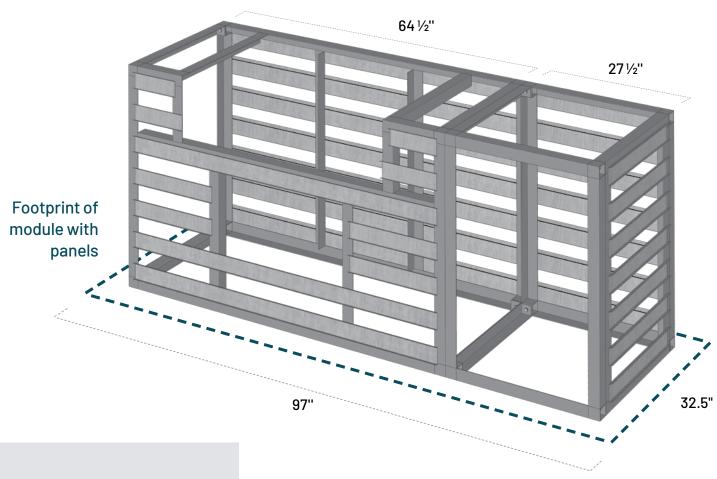


NOTE:

Always start with right corner sets since there are 7 more right panel sets in a bundle than left panel sets.

Grill Module

FOOTPRINT

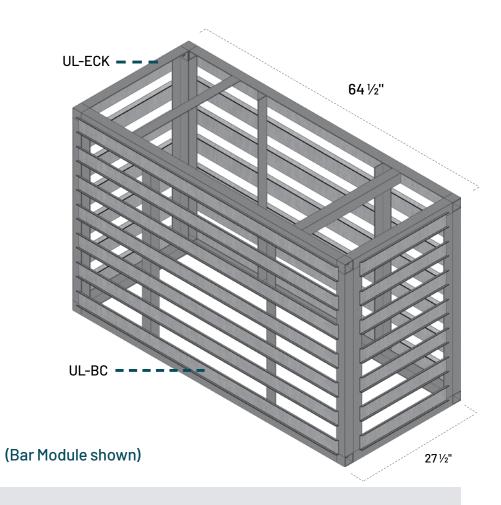


NOTE:

All dimensions are nominal. Always assemble modules and hang a few panels prior to finalizing footprint measurements.

Standalone Unit

BAR - FIRE TABLE



NOTE:

Quantities are estimated and may vary depending on modifications made to accommodate cut-outs/appliances. Contractor should field verify for accuracy.

U-CARA® MODULAR SYSTEM

- 1 Base Module-UL-BC
- 2 End Clad Kit-UL-ECK

U-CARA FASCIA PANELS

Standard Panels

28

Corner Sets

28



RIGHT CORNER PANEL SET

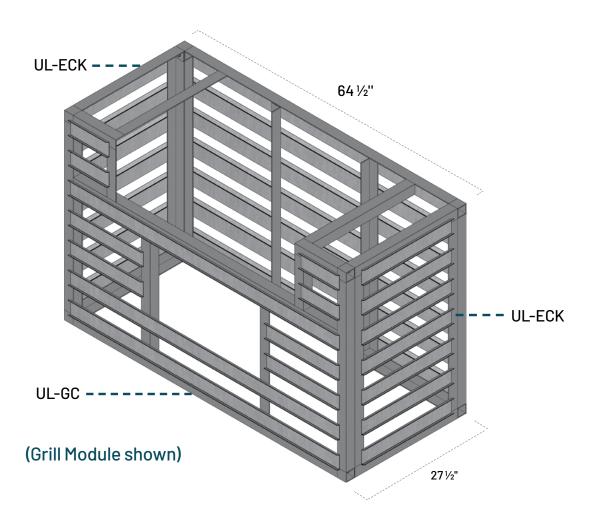


LEFT CORNER PANEL SET



STANDARD PANEL

Standalone Unit GRILL



U-CARA® MODULAR SYSTEM

- 1 Grill Module UL-GC
- 2 End Clad Kit UL-ECK

U-CARA FASCIA PANELS

Standard Panels

28

Corner Sets

28



RIGHT CORNER PANEL SET

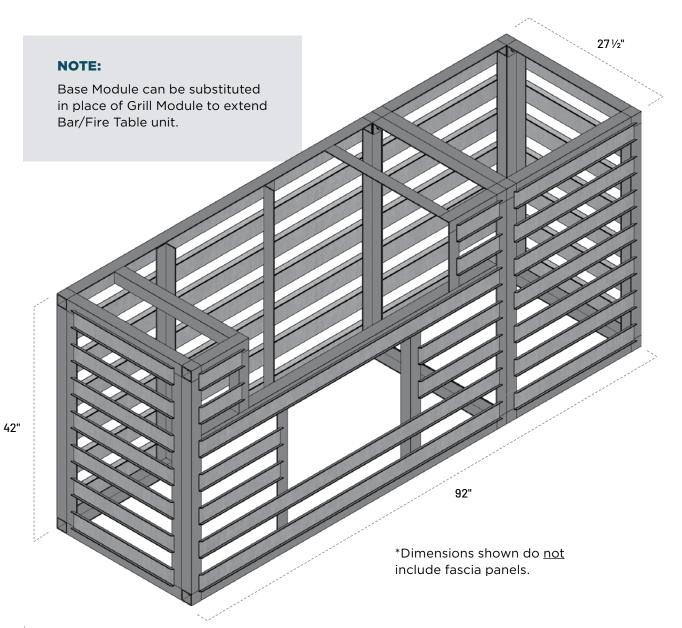


LEFT CORNER PANEL SET



STANDARD PANEL

Extending Modules GRILL EXTENSION



U-CARA® MODULAR SYSTEM

- 1 Grill Module UL-GC
- 1 Corner Module UL-CC
- 1 End Clad Kit UL-ECK
- 1 Back End Panel UL-BP

U-CARA® FASCIA PANELS

Standard Panels

49

Corner Sets

28



RIGHT CORNER PANEL SET



LEFT CORNER PANEL SET

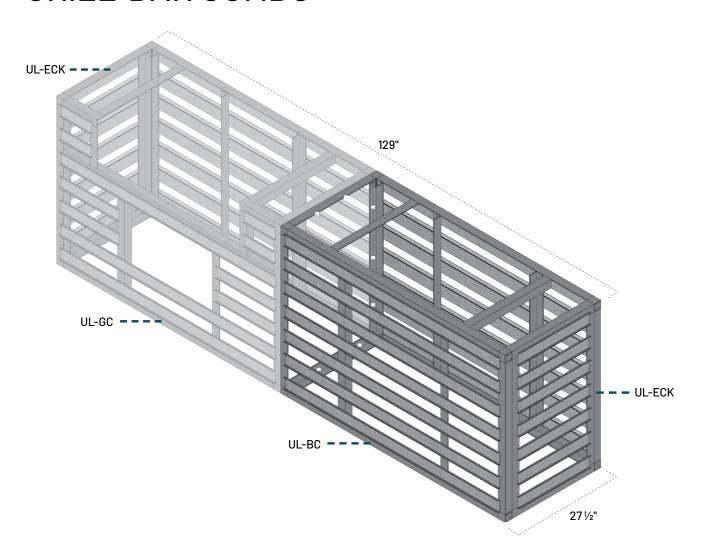


STANDARD PANEL

MODEL UL-GC/UL-BC/UL-ECK

Extending Modules

GRILL-BAR COMBO



U-CARA® MODULAR SYSTEM

1 Grill Module UL-GC

1 Base Module UL-BC

2 End Clad Kit UL-ECK

U-CARA® FASCIA PANELS

Standard Panels

56

Corner Sets

28



RIGHT CORNER PANEL SET

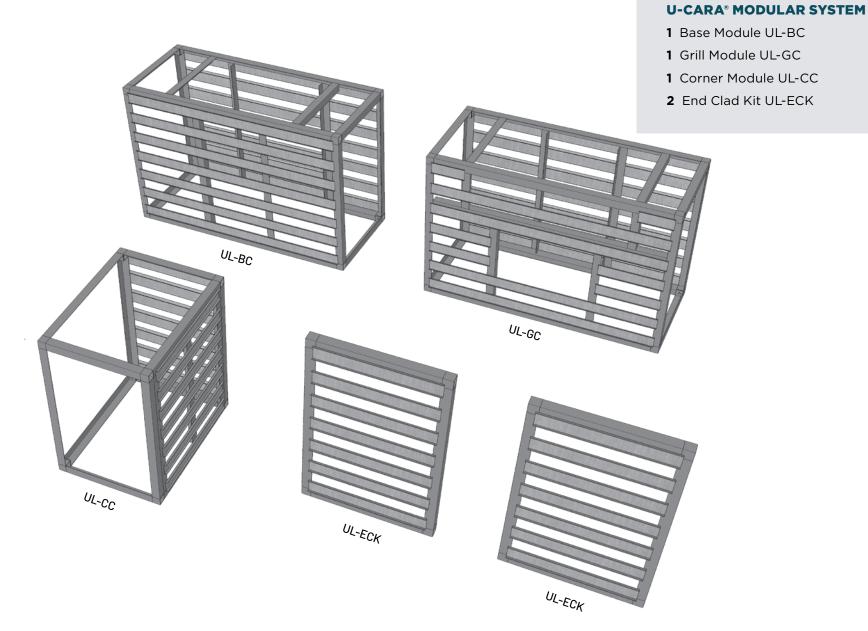


LEFT CORNER PANEL SET

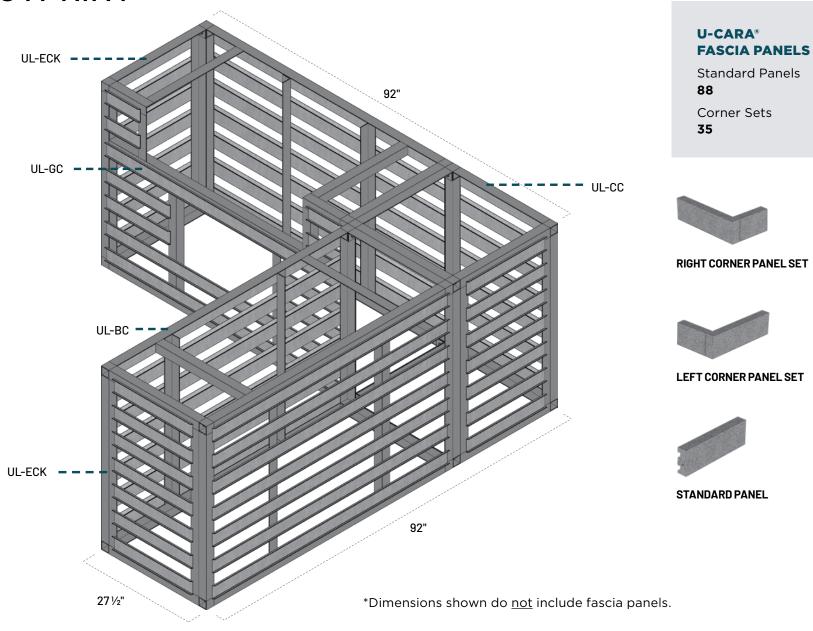


STANDARD PANEL

L-Shaped Kitchen



FOOTPRINT



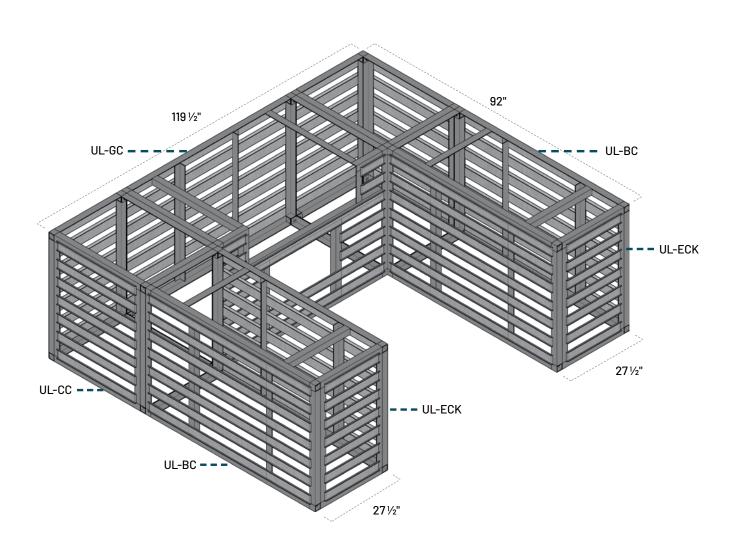
U-Shaped Kitchen

1 Corner Module UL-CC 2 End Clad Kit UL-ECK UL-GC UL-CC UL-CC UL-ECK UL-ECK

U-CARA® MODULAR SYSTEM

2 Base Module UL-BC 1 Grill Module UL-GC

ASSEMBLY



U-CARA® FASCIA PANELS

Standard Panels

147

Corner Sets

42



RIGHT CORNER PANEL SET



LEFT CORNER PANEL SET



STANDARD PANEL

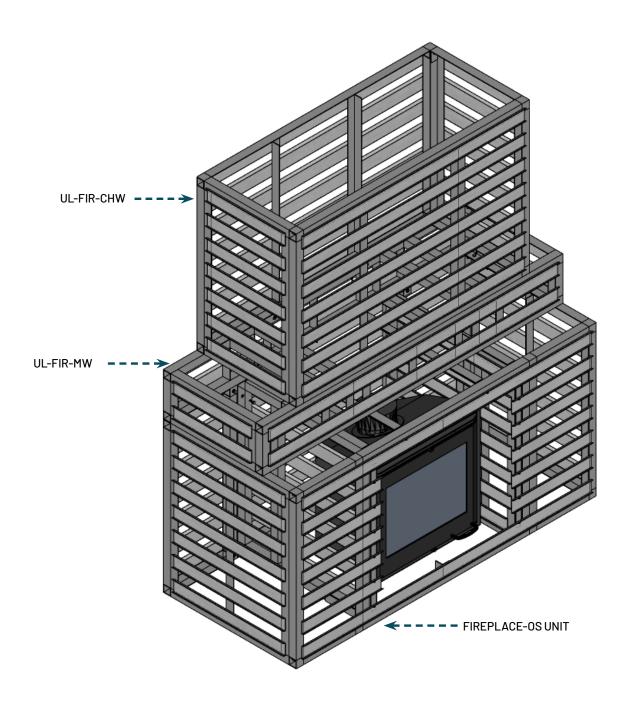
Fireplace WOOD BURNING

This truly revolutionary U-Cara Modular Fireplace is easily constructed in one day with only a handful of basic tools. The ability to mix and match several panel color and/or textures allows you to be creative while maintaining the theme of the project overall.

NOTE:

Complete assembly instructions can be downloaded from unilock.com

Always observe local building codes.



Fireplace GAS

Gas Fireplaces make a wonderful addition to any urban landscape especially where access is limited and/or where wood burning is prohibited.

Construct one-sided or two-sided fireplaces in a matter of hours.

NOTE:

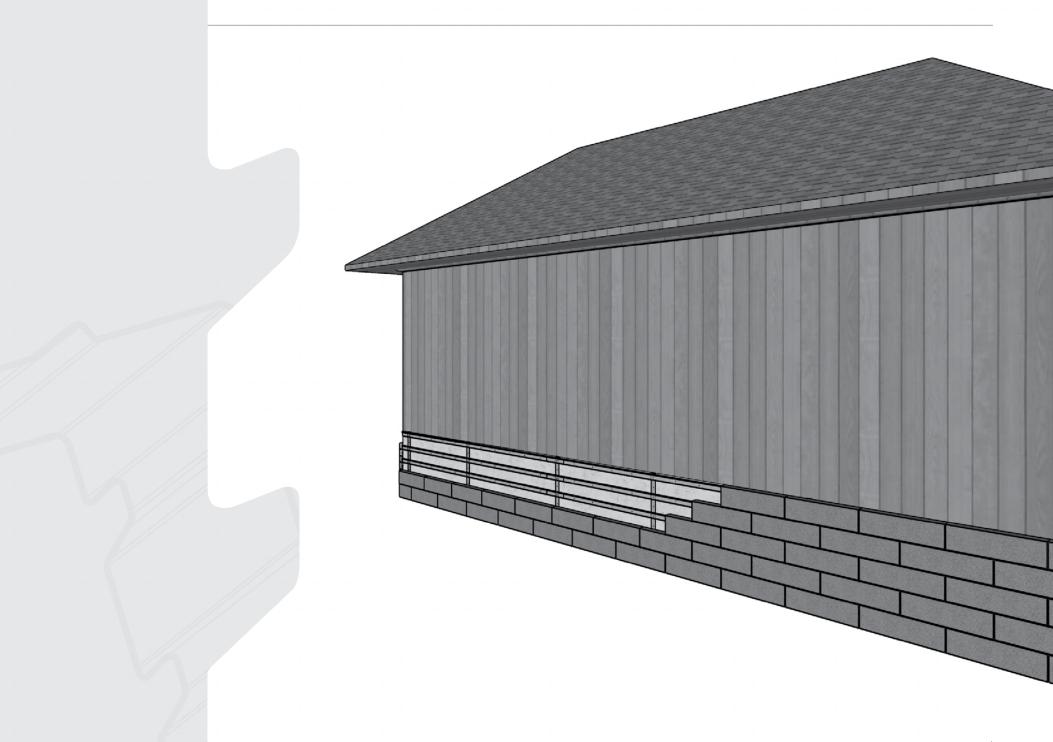
Complete assembly instructions can be downloaded from unilock.com

Always observe local building codes.



J'CARA WALL MOUNT SYSTEM

By using the U-Cara Wall Mount System, you can extend the landscape look and feel to any vertical structure or building within your project. Easily hang U-Cara Fascia Panels to horizontal rails which can be attached to concrete or wood substructures.



U-Cara Wall Mount System COMPONENTS

The U-Cara Wall Mount System allows for the cladding of concrete foundation walls, existing poured-in-place retaining walls as well as cladding wooden structures such as deck skirts, cabanas and tool sheds. The simplicity of this 3-part system allows for rapid installation practically anywhere in your project to complete a cohesive design with the other U-Cara walls and vertical modules on site.

The colored ends of

the alignment bars must all orient to the

top or the bottom.

Vertical Alignment Bar

The purpose of the alignment bar is to allow for the accurate placement of the horizontal rails which support the U-Cara Fascia Panels to the substrate. This eliminates the need to measure spacing and speeds up installation time.

- Material: Galvanized Steel
- Vertical length: 38 %" (981mm)
- Placement: 32" O.C. (813mm)
- Mounting hole spacing: 3" (76mm) accommodates 3" (75mm) or 6" (150mm)
- Packaging: 10pcs/Bundle

Horizontal Mounting Rails

The horizontal mounting rails are used to support the fascia panels to the vertical substrate.

- Material: Galvanized Steel
- Horizontal length: 96" (2438mm)
- Placement: 3" (75mm) or 6" (150mm)
- Mounting hole spacing: 8" (200mm) O.C.
- Packaging: 10 pcs/Bundle

Fascia Panels

The same U-Cara fascia panels used for retaining walls or modules can be used on the Wall Mount System.

Material: EnduraColor Concrete



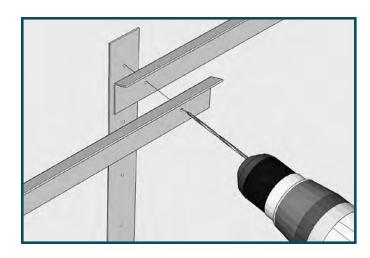
U-Cara Wall Mount System CONCRETE FOUNDATION APPLICATION

- U-Cara Fascia Panel
- 2 Galvanized Steel U-Cara Rail
- Masonry Screw 3/16 x 1 3/4 inch, min 16" O.C. (see specification below)
- 4 High Strength Concrete Adhesive in dollops to add additional strength. (Do not run continuous bead)
- 5 Galvanized Steel U-Cara Alignment Bar
- Building concrete foundation

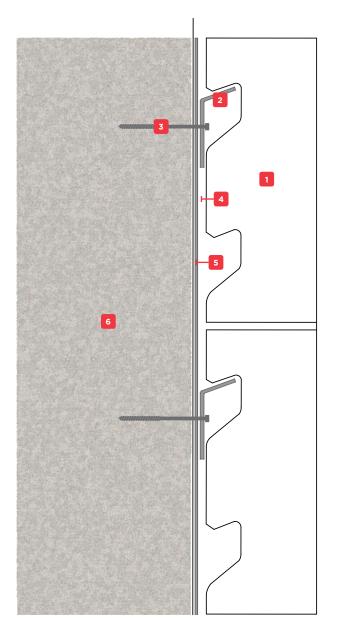
Masonry Screw Specification:

Simpson strong-tie (or equivalent)

Titan 2 Concrete & Masonry Screw Model No. TTN2-1813H with hex head. Zinc plated w/baked on Ceramic coating 3/16 x 1 3/4 inch, min 16" O.C.



Always adhere to local building codes.



U-Cara Wall Mount System WOOD SUBSTRATE APPLICATION

- U-Cara Fascia Panel
- 2 Galvanized Steel U-Cara Rail
- Wood Anchor Screw 3/16 x 1 3/4 inch, min 16" O.C.
- Plywood Substrate with applied waterproofing (see note below)
- 5 Galvanized Steel U-Cara Alignment Bar
- 6 Wood Frame

Waterproofing Specification:

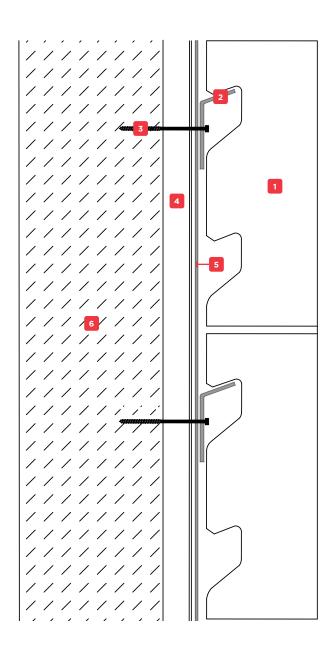
Seal all membrane punctures or use self-healing membrane or coatings

- Application as low as 15 Degrees F (-8° C)
- Damp surface tolerant; reliable all-season installation
- Single coat application
- Fire-retardant
- Low VOC
- Air and watertight.

NOTE:

Alignment bars are screwed into studs every 32" and the rails are screwed in every stud. (16" O.C.)

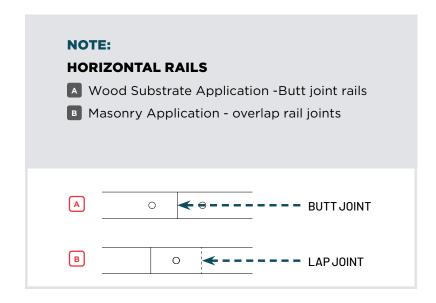
Always adhere to local building codes.

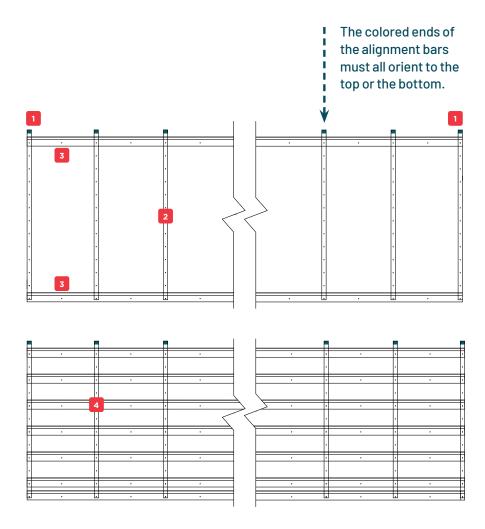


U-Cara Wall Mount System INSTALLATION

Setting up Alignment Bars and Horizontal Rails

- 1 Establish desired starting height and use leveling device to plot and position vertical alignment bars. Transfer this same measurement to middle and end points. Use chalk line to mark all starting points for alignment bars. Use one screw to attach both alignment bar and rail into vertical substrate.
- Install one vertical alignment bar every 16" O.C. for wood substrate, or 32" O.C. for concrete substrate.
- Install an upper and lower U-Cara rail to help anchor vertical alignment bars to establish starting grid.
- Install balance of horizontal rails at intervals according to fascia panel size.





Calculate

CALCULATION:

This example seat wall and pillar will give you an idea of how to calculate the panels required.

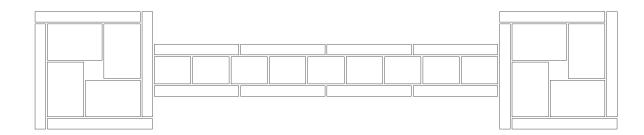
PILLARS:

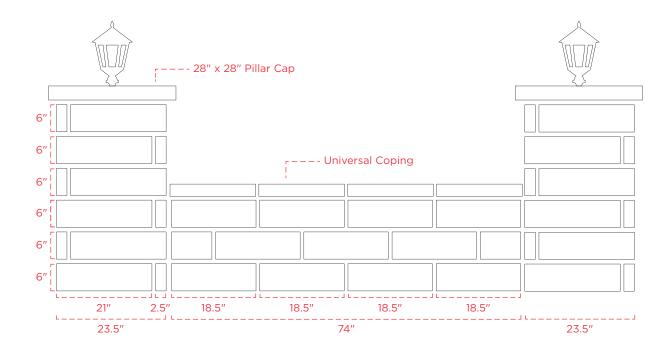
- 4 Large Backer Blocks per layer = 24 units per pillar x 2 = 48 units total
- 4 Standard U-Cara Closed-End Corner Panels per layer = 24 units per pillar x 2 = 48 units total
- 2 Pillar Caps
- 96 Sure Track* Corner Inserts
- 8 Tubes of Concrete Adhesive (10 oz Approx.)

WALL:

- 9 Standard Sure Track Backer Blocks per layer = 27 units total
- 12 Standard U-Cara Fascia Panels per side = 24 units total
- 4 Universal Coping units

SIMPLIFY AND SPEED UP YOUR CALCULATIONS WITH SPEED-CALCT





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U-CARA SYSTEM IS PROTECTED UNDER
US PAT. 9,453,341 (INTERNATIONAL
PATENTS PENDING) U-CARA MODULAR
SYSTEMS-PATENT PENDING-GRILLNETICS,
FORT COLLINS, CO.

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