

TECHO—BLOC

INSPIRING ARTSCAPES



CONTRACTOR SUPPORT MANUAL

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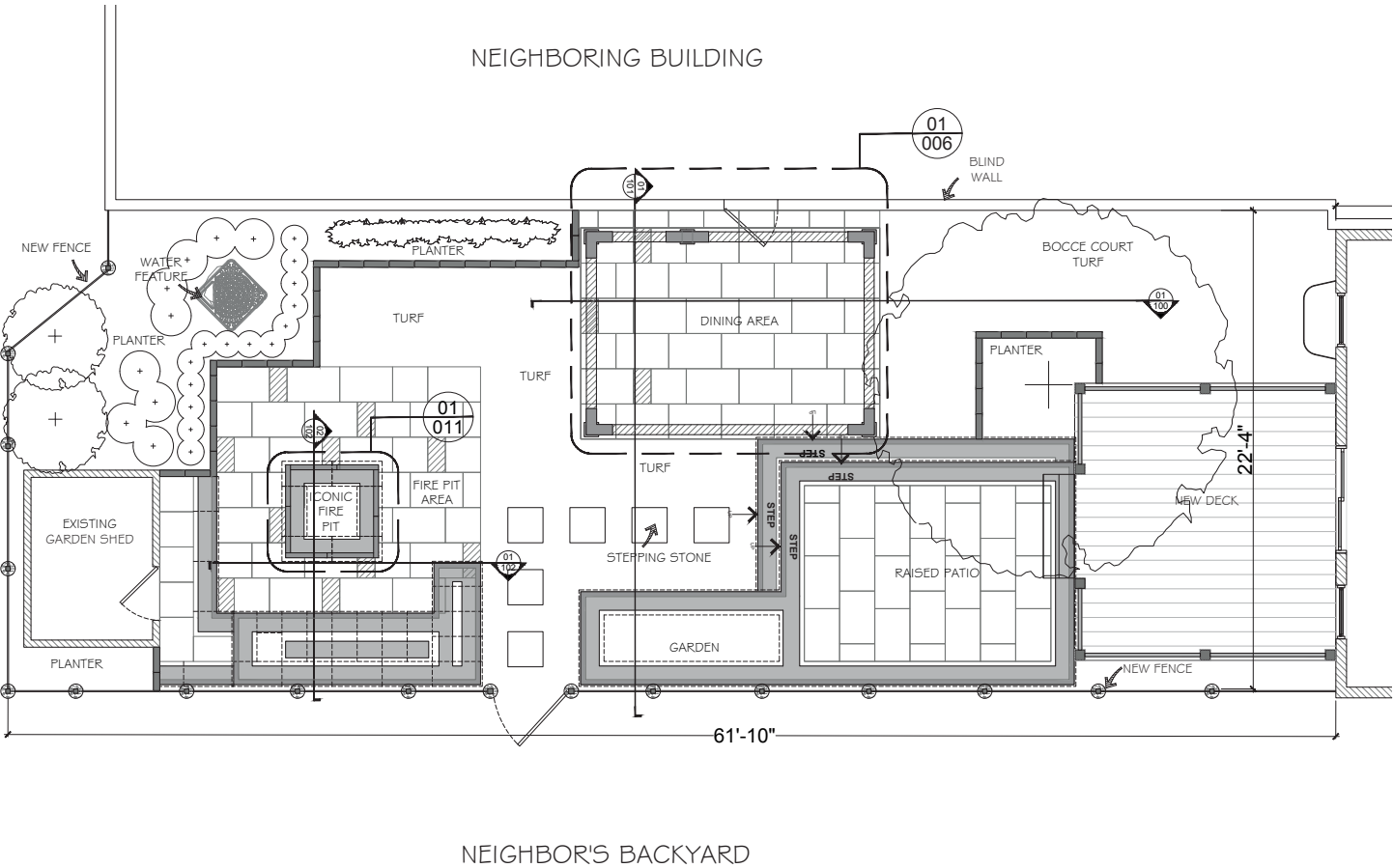
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**Download hatch patterns, color, texture and other design files for the
top hardscaper design software fo free.**



FEATURED PROJECT PLANS AND DIMENSIONS



SOIL TESTS AND AMENDMENT

Prior to bidding a project, you should be aware of the site’s soil conditions. To identify the soil type, collect a sample using a coring tool and perform the following tests:

Snake Test

This requires taking a handful of soil and attempting to roll it out on a hard surface. If it rolls out to the width of your palm or greater, you’re dealing with a high clay content soil. If the soil can’t be formed into a snake without falling apart, then that’s a good sign of a low level of cohesive particles, or low clay content.

Shake Test

The test to measure how well a soil retains water. Take a golf ball sized sample and add about a teaspoon of water to it. Then, shake the ball vigorously in your hands for a few seconds. If the water travels to the surface of the ball, the soil has a low water holding ability. You can confirm that result by pressing down on the ball with your thumb, if the water appears on the surface as you squeeze and then quickly disappears, the soil drains well. If the water does not travel to the surface, your soil is slow draining.

Patty Test

To test how the cohesive properties of a soil affect its dry strength. Take the soil sample and form it into the shape of a common hamburger patty. Next, let the sample dry out in the sun and then try to break it in half. If it breaks easily, the soil isn’t very cohesive and lacks dry strength. If the opposite occurs, then we know the soil is cohesive and has a high dry strength. This is another great indicator of clay.



Once a soil has been identified, amendment may be required. If the soil type is clay, then the following methods can be applied to prepare the site for compaction.

Chemical Amendment

Spread 50 lbs of Granular or Pulverized Lime per 100 sq. ft. of soil subgrade prior to compaction.

**Clay particles
with water**



**Water released
Bearing ability increases**



Gradation Amendment

Spread 1-2” of clean stone, preferably ASTM 57 (¾” clean, or clear stone), prior to compaction.

**Clay
particles**

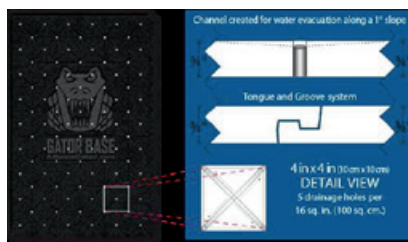
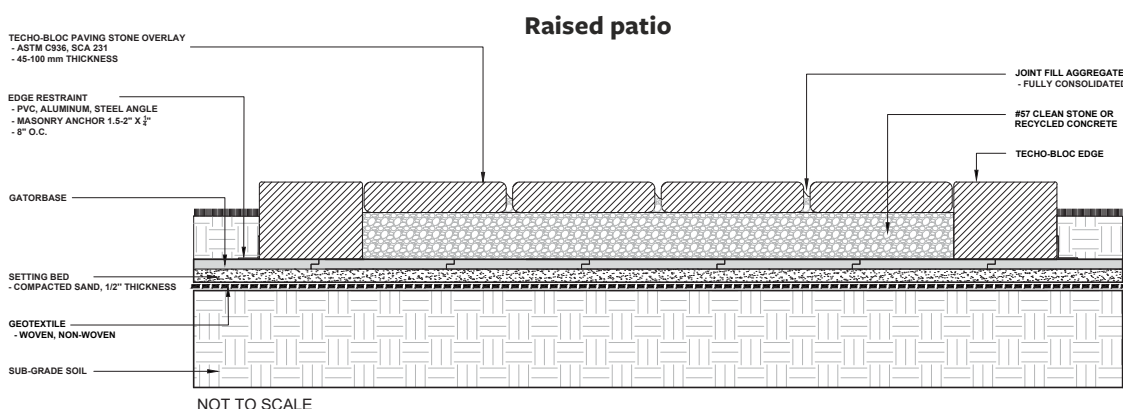
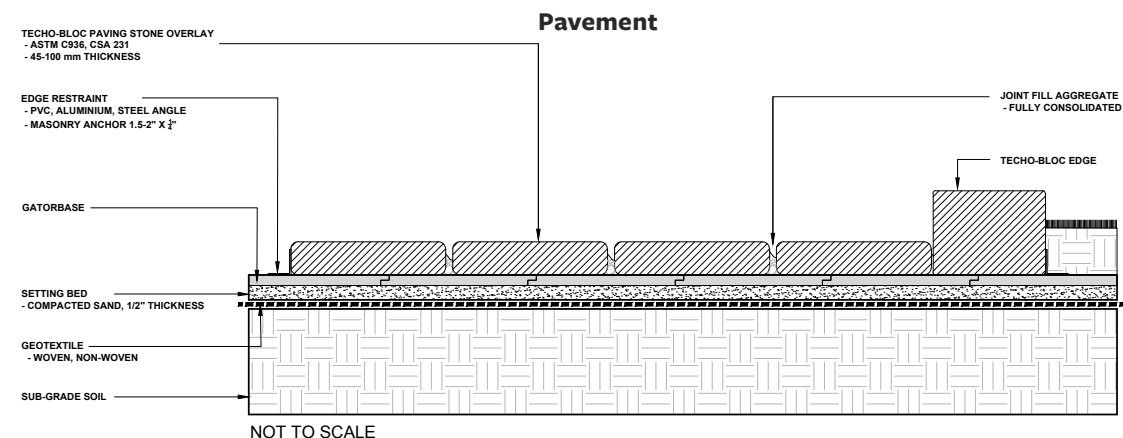


**Clay with clean stone
Bearing ability increases**



If soil is particularly damp or weak, combine both by applying chemical amendment first, then gradation. Compact after spreading both materials.

PAVEMENT AND RAISED PATIO ON SYNTHETIC BASE - CROSS-SECTION

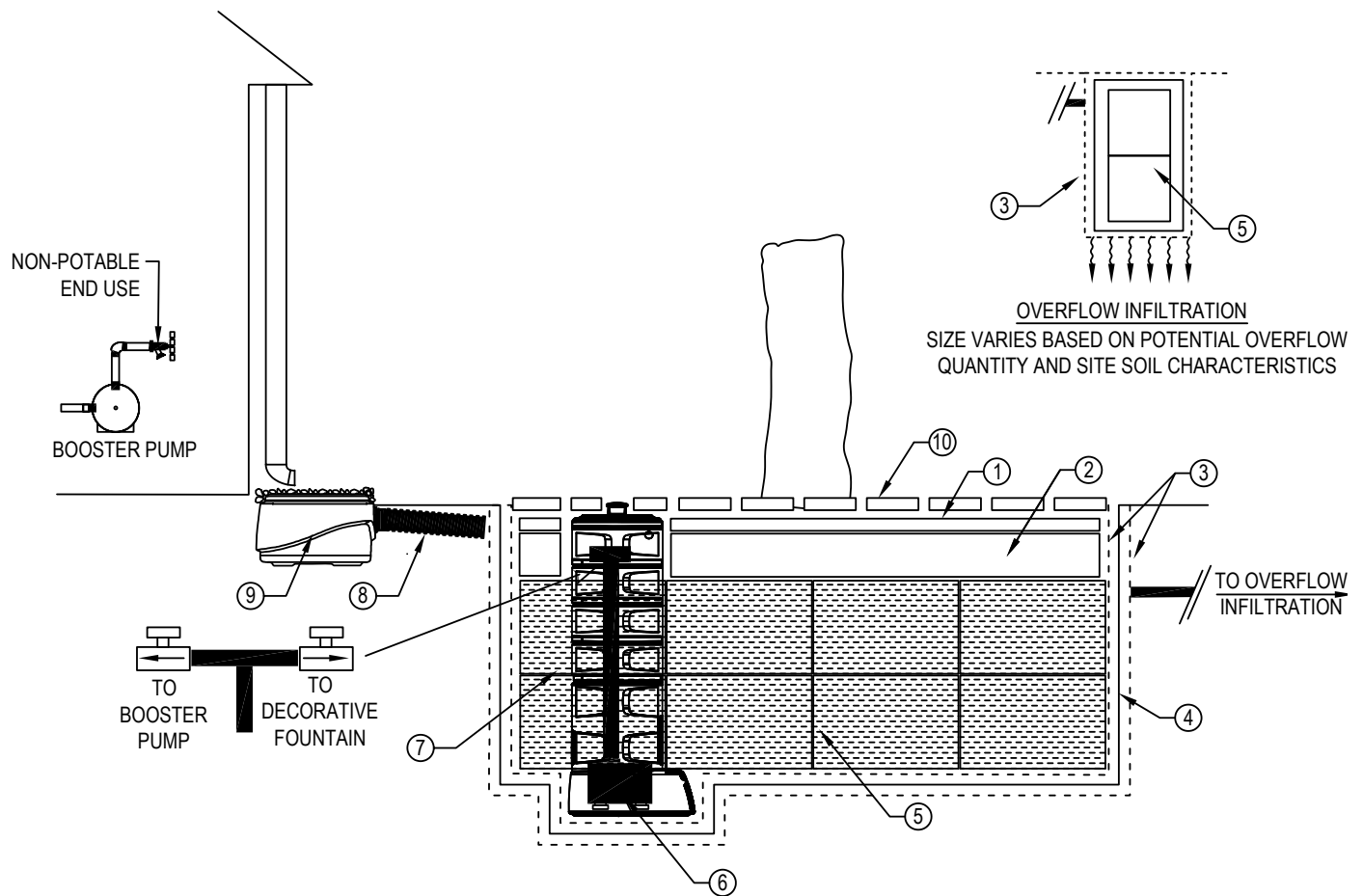


Gator Base Unit

- Equivalent to 288 lbs (130 kg) of crushed stone
- Replaces 6" (15 cm) of compacted crushed stone
- Evacuates water through the channels
- Manufactured using lightweight high-density polypropylene
- Environment-friendly and 100% recyclable
- Extremely durable, will not degrade in the ground
- Designed with LOCK-N-GO tongue and groove system
- Gator Base Insulation has an R-Value of 3.6 (per inch thickness)
- Will significantly reduce the number of freeze and thaw cycles



RAINWATER HARVESTING SYSTEM - CROSS-SECTION



Legend

1. 1/2" dia. Decorative gravel
2. 1.5" - 3" dia. Gravel
3. Non-woven geotextile
4. 45mil epdm liner
5. Aquablox® water matrix
6. Aquasurge™ water pump
7. Pondless™ waterfall vault with extensions
8. 3" - 4" corrugated drain pipe
9. Downspout filter
10. 10 concrete permeable paver

Notes:

1. Installation to be completed in accordance with manufacturer's specifications.
2. Do not scale drawing.
3. This drawing is intended for use by architects, engineers, contractors, consultants and design professionals for planning purposes only. This drawing may not be used for construction.
4. All information contained herein was current at the time of development but must be reviewed and approved by the product manufacturer to be considered accurate.
5. Drawing provided by Aquascape. For product and company information visit www.caddetails.com/info and enter reference number 037-163

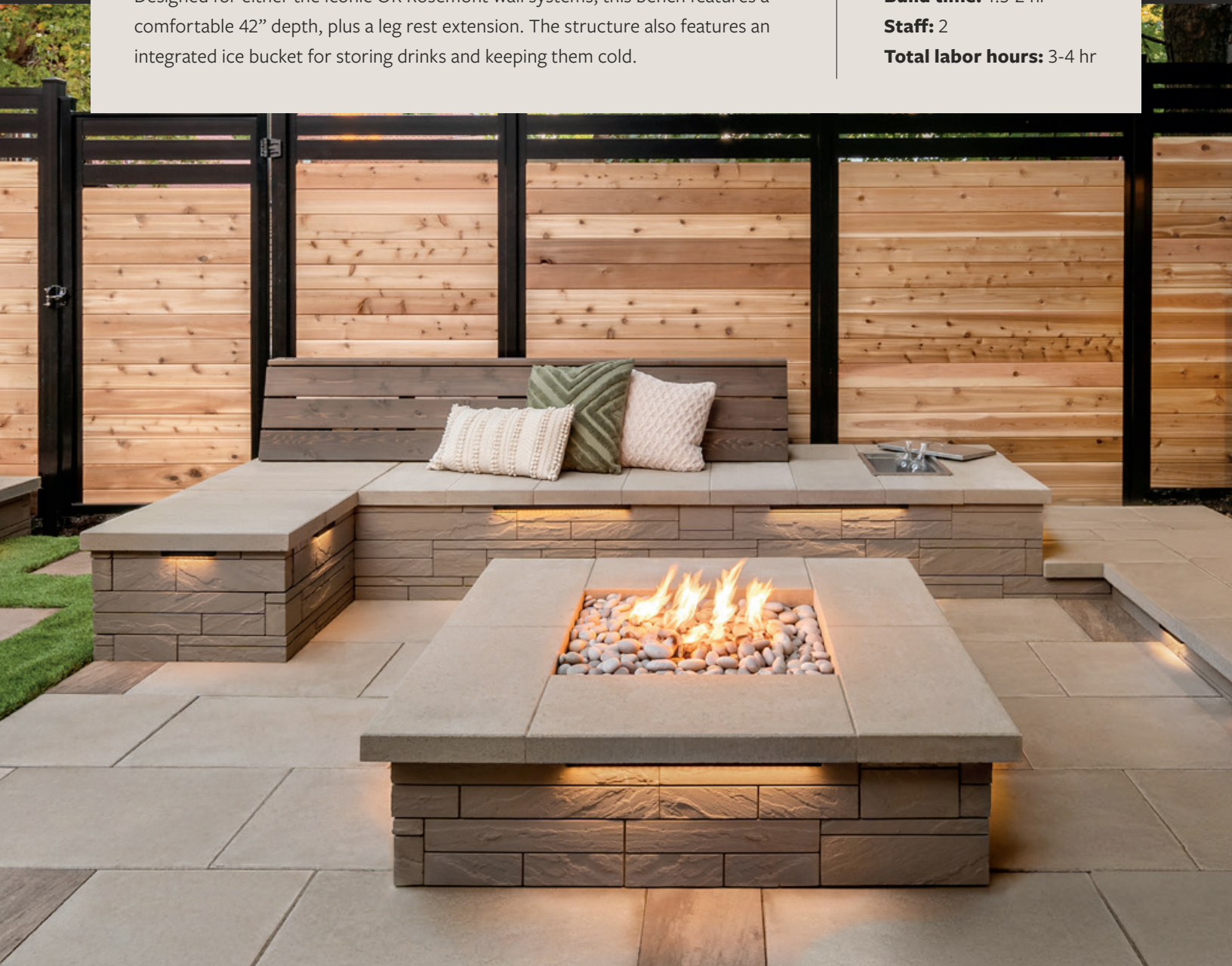
FASCIA BENCH WITH ICONIC WALL L-SHAPE

Designed for either the Iconic OR Rosemont wall systems, this bench features a comfortable 42" depth, plus a leg rest extension. The structure also features an integrated ice bucket for storing drinks and keeping them cold.

Build time: 1.5-2 hr

Staff: 2

Total labor hours: 3-4 hr



Fascia Bench with Iconic Wall L-Shape

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete) or Synthetic Base	\$_____	_____	\$_____
	ASTM #8 (¼" clean stone)	\$_____	_____	\$_____
	Fascia Base units : 21 pcs.	\$_____	_____	\$_____
	Fascia Structural Block single sided : 174 pcs.	\$_____	_____	\$_____
	Iconic (or Rosemont) Fascia Wall : 39 pcs.	\$_____	_____	\$_____
	Iconic (or Rosemont) Fascia Corners : 7 left pcs. 8 right pcs.	\$_____	_____	\$_____
	Raffinato 60mm Cap: 17 pcs.	\$_____	_____	\$_____
	Ice Bucket: 20.6"x13.6" Bbq Island Stainless Steel Drop In Ice Chest/cooler W/drain Valve by Vevor	\$_____	_____	\$_____
	Lighting, if applicable	\$_____	_____	\$_____
	Transformer, Wire, Fixtures	\$_____	_____	\$_____
	¾" conduit/sweeps	\$_____	_____	\$_____
	Wood and/or Composite for custom back rest construction	\$_____	_____	\$_____
	Framing: Stained pressure treated 2x4x8 (x6)	\$_____	_____	\$_____
	Boards: Stained 5/4x6x8 (x5), 1x6 decking or Composite	\$_____	_____	\$_____
	Flexlock Ultra / Gator Block Bond XP adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Team	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

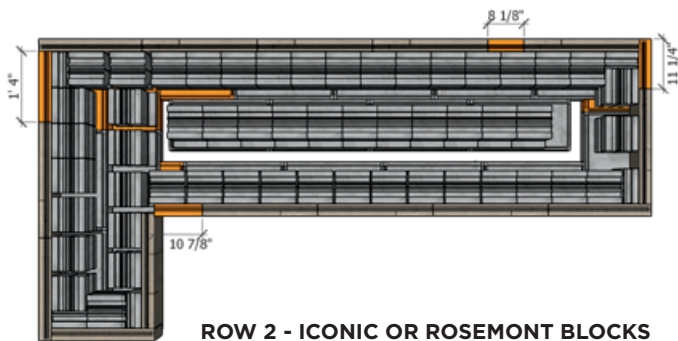
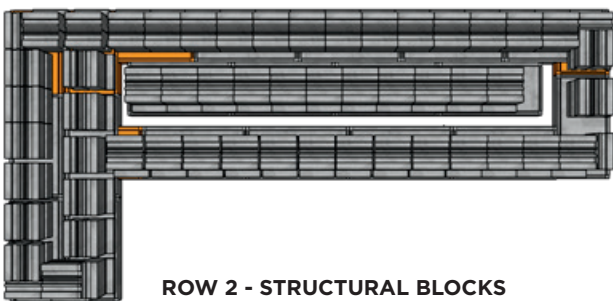
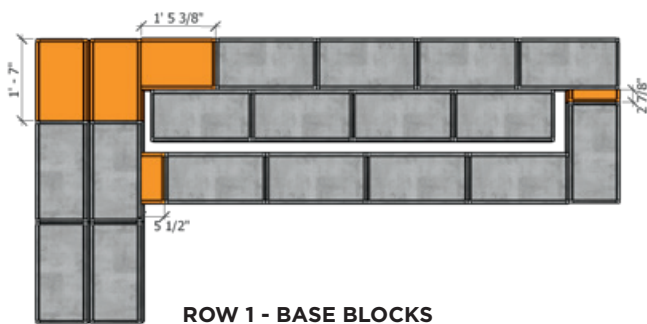
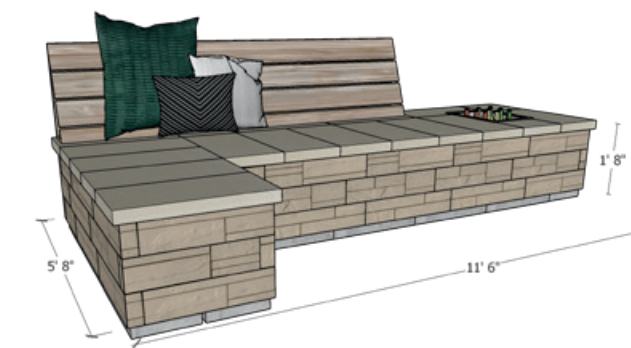
TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

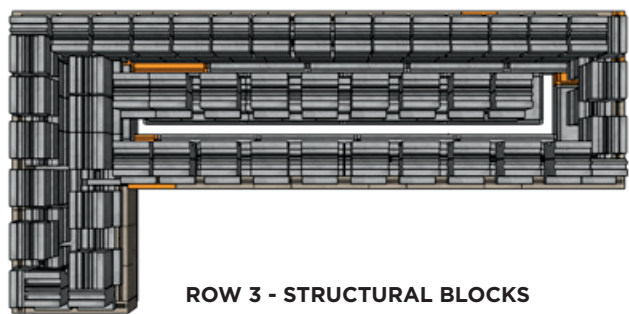
Process

- ☐ Determine location of the feature and excavate as required
- ☐ Run conduits for electricity (optional lighting or GFI outlet)
- ☐ Inspector must approve installation prior to backfilling trench (consult local bylaw)
- ☐ Classify, amend and compact soil subgrade — final surface should not have variation greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install base (open-graded: ASTM #57) minimum 6"-8" thickness (or 2" open-graded: ASTM #8 for synthetic base application)
- ☐ Screed open-graded bedding layer (or install synthetic base, if applicable)
- ☐ Split 15 single-sided or 8 double-sided Structural Block units (5 per row) to create corners
- ☐ Row 1: Cut and install 21 Base Blocks laid out, as per diagram, ensuring units are set square and level
- ☐ Row 2: Install first course of 58 Structural Block units, inserting engineered tab into corresponding groove on previously installed Base Block (note: Blocks in center to bridge cap units for top of bench)
 - ☐ Install Fascia units, 2 left corners, 3 right corners and 13 straight units
- ☐ Row 3: Install second course of 58 Structural Block units, inserting engineered tab into corresponding groove on previously installed Fascia unit (note: Blocks in center to bridge cap units for top of bench)
 - ☐ Install Fascia units, 3 left corners, 2 right corners and 13 straight units
- ☐ Row 4: Install third course of 58 Structural Block units, inserting engineered tab into corresponding groove on previously installed Base Block (note: Blocks in center to bridge cap units for top of bench)
 - ☐ Install Fascia units, 2 left corners, 3 right corners and 13 straight units
- ☐ Install optional under cap lighting
- ☐ Review dimensions for ice bucket, layout and cut cap
- ☐ Install Raffinato 60mm Cap
- ☐ Adhere units using Flexlock Ultra/Gator Block Bond XP adhesive (apply in direction of desired water/air flow)
- ☐ Construct and install back rest (pre-build in shop recommended)

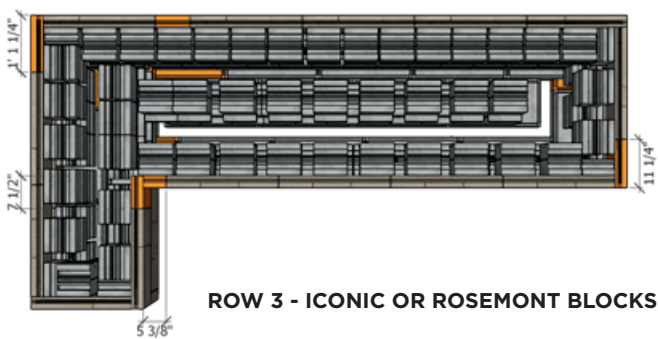
ROW-BY-ROW DRAWINGS



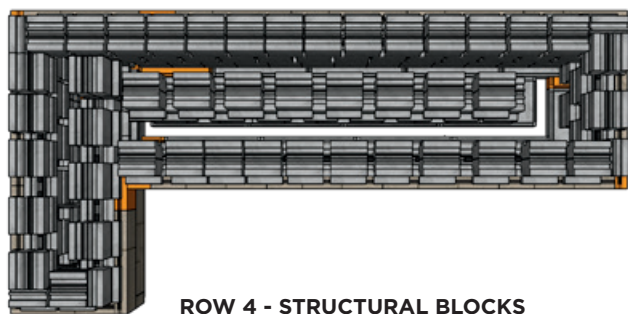
ROW-BY-ROW DRAWINGS



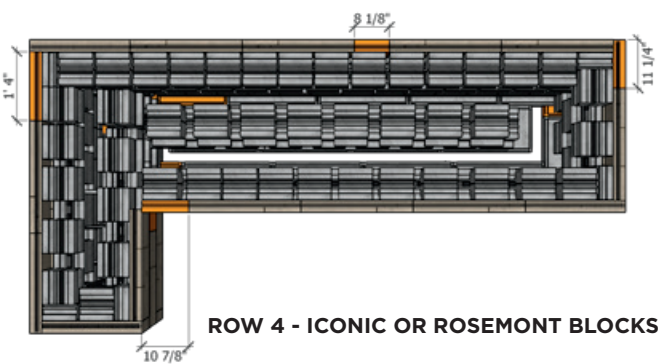
ROW 3 - STRUCTURAL BLOCKS



ROW 3 - ICONIC OR ROSEMONT BLOCKS



ROW 4 - STRUCTURAL BLOCKS



ROW 4 - ICONIC OR ROSEMONT BLOCKS

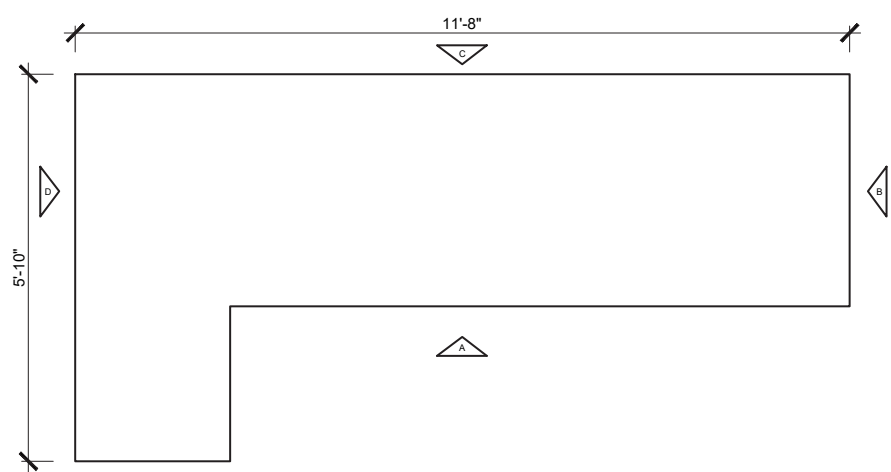


CAPS

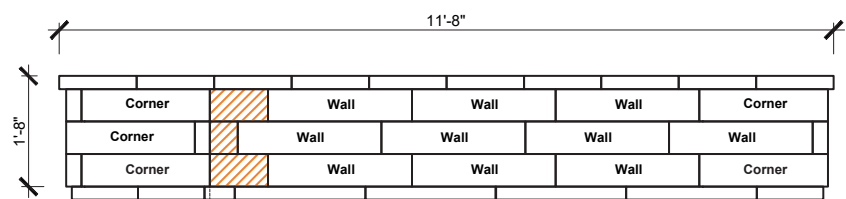


ICE BUCKET

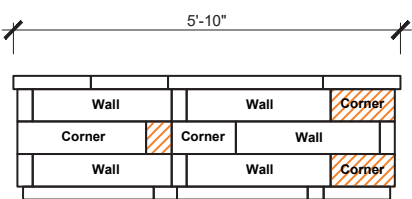
CAD DRAWING



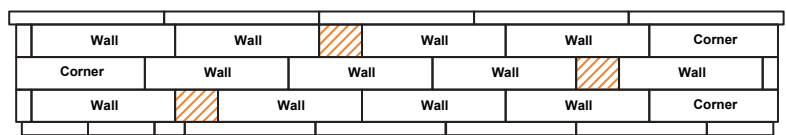
Plan view



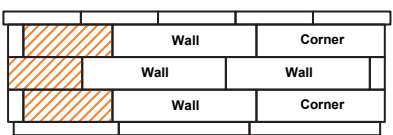
Elevation A



Elevation B



Elevation C

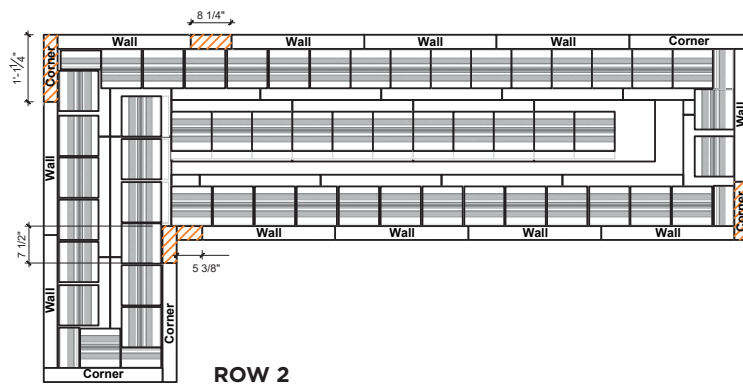
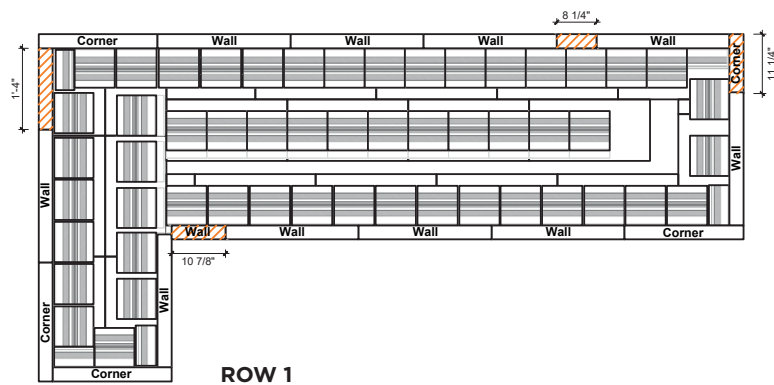
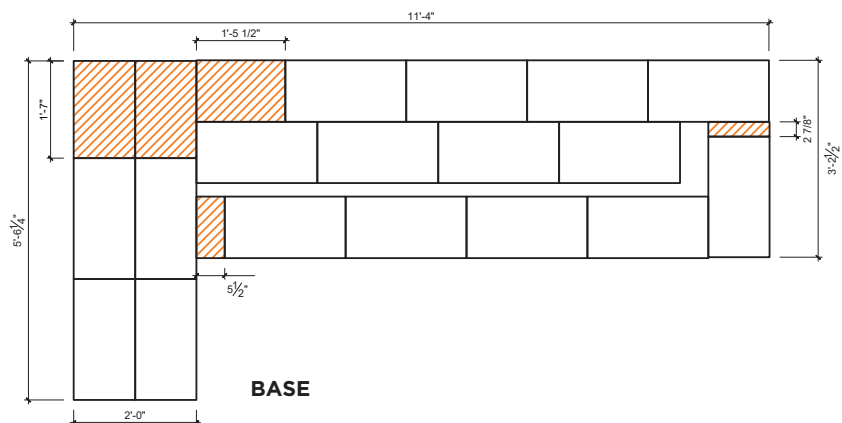


Elevation D

QUANTITY OF MATERIALS REQUIRED	
Iconic Fascia Wall	: 40 PCS
Iconic Fascia Corners	: 14 PCS
Fascia Structural Block single sided	: 175 PCS
Fascia Base units	: 21 PCS
Raffinato Caps	: 17 PCS

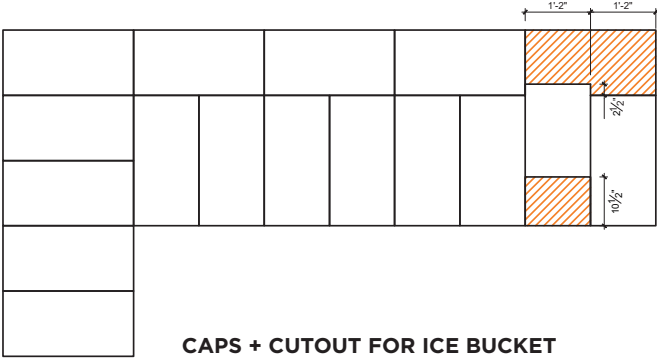
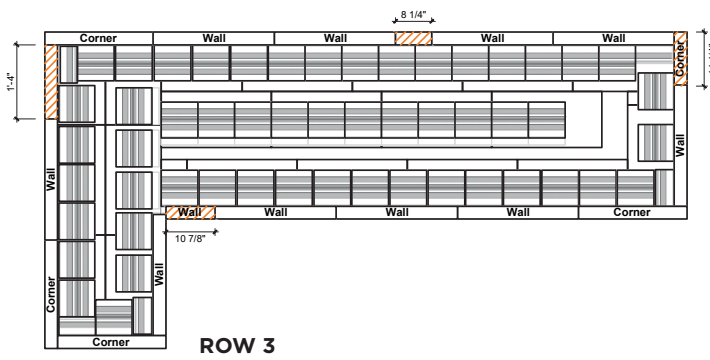
 **CUT UNITS**

CAD DRAWING



 **CUT UNITS**

CAD DRAWING



 CUT UNITS

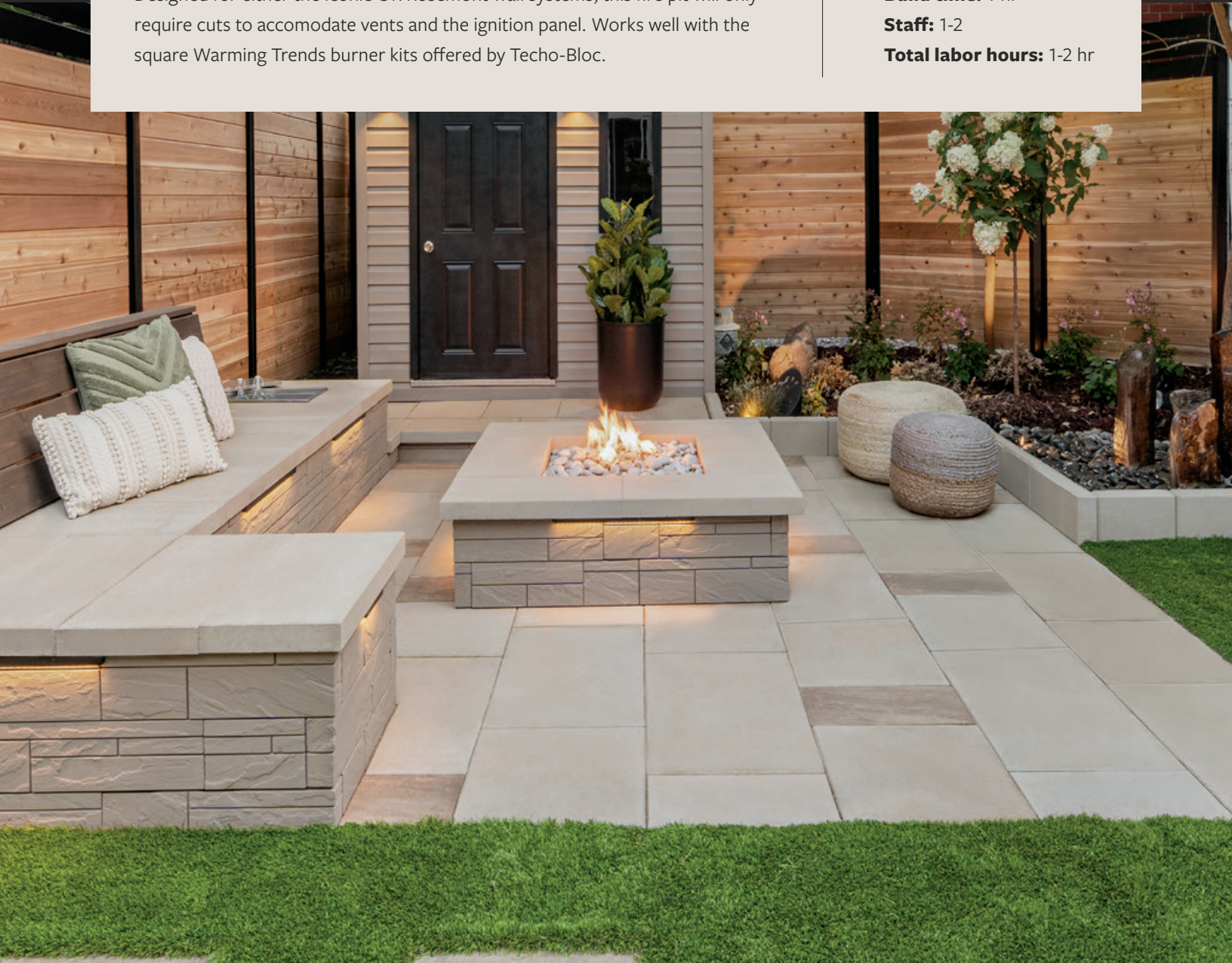
FASCIA FIRE PIT WITH ICONIC WALL

Designed for either the Iconic OR Rosemont wall systems, this fire pit will only require cuts to accommodate vents and the ignition panel. Works well with the square Warming Trends burner kits offered by Techo-Bloc.

Build time: 1 hr

Staff: 1-2

Total labor hours: 1-2 hr



Fascia Fire Pit with Iconic Wall

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete) or Synthetic Base	\$_____	_____	\$_____
	ASTM #8 (¼" clean stone)	\$_____	_____	\$_____
	Fascia Base units : 8 PCS	\$_____	_____	\$_____
	Fascia Structural Block single sided : 60 PCS	\$_____	_____	\$_____
	Iconic (or Rosemont) Fascia Wall : 12 PCS	\$_____	_____	\$_____
	Iconic (or Rosemont) Fascia Corners : 12 PCS	\$_____	_____	\$_____
	Raffinato Caps : 6 PCS	\$_____	_____	\$_____
	Warming Trends burner kit offered by Techo-Bloc	\$_____	_____	\$_____
	Optional lighting under the caps	\$_____	_____	\$_____
	Optional windscreen	\$_____	_____	\$_____
	Decorative heat resistant media: glass or stone (optional)	\$_____	_____	\$_____
	Flexlock Ultra / Gator Block Bond XP adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Team	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

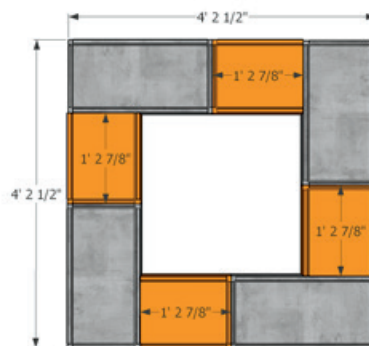
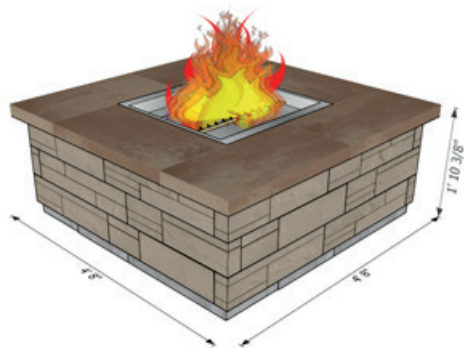
TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

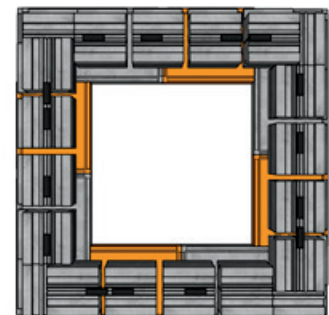
Process

- ☐ Determine location of the feature and excavate, as required
- ☐ Run conduits for gas and electricity (if installing electric ignition or optional lighting)
- ☐ With a certified and bonded gas technician, run natural gas or propane line
- ☐ Inspector must approve installation prior to backfilling trench (consult local bylaw)
- ☐ Classify, amend and compact soil subgrade — final surface should not have variation greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install base (open-graded: ASTM #57) minimum 6"-8" thickness (or 2" open-graded: ASTM #8 for synthetic base application)
- ☐ Screed open-graded bedding layer, or install synthetic base. Synthetic base can be used when installing a gas burner
- ☐ Split 8 single-sided or 2 double-sided Structural Block units (4 per row) to create corners.
- ☐ Row 1: Cut and install Base Block laid out, as per diagram, ensuring units are set square and level
- ☐ Row 2: Install first course of Structural Block, inserting engineered tab into corresponding groove on previously installed Base Block
 - ☐ Identify vent location, layout and cut Structural and Fascia units accordingly
 - ☐ Install Fascia units, 2 left corners, 2 right corners and 4 straight units
- ☐ Row 3: Install second course of Structural Block, inserting engineered tab into corresponding groove on previously installed Fascia unit
 - ☐ Install Fascia units, 2 left corner, 2 right corners and 4 straight units
- ☐ Install ignition panel in desired location (Fascia unit(s) to be cut)
- ☐ Test fit burner and pan, adjust to fit and support unit using Structural Block placed in the central opening of the structure
- ☐ Allow gas technician to connect and test burner system and secure components
- ☐ Install optional under cap lighting
- ☐ Install Raffinato 60mm Cap
- ☐ Adhere units using Flexlock Ultra/Gator Block Bond XP adhesive (apply in direction of desired air flow)
- ☐ Install decorative media and optional windscreen

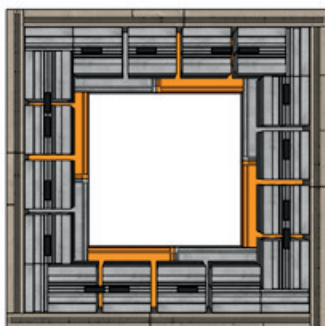
ROW-BY-ROW DRAWINGS



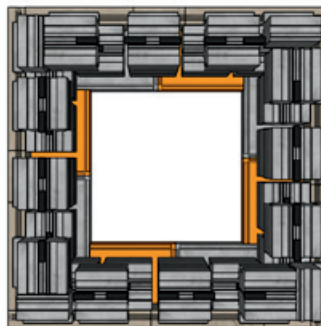
ROW 1 - BASE BLOCKS



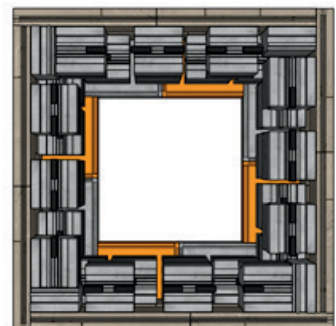
ROW 2 -
STRUCTURAL BLOCKS



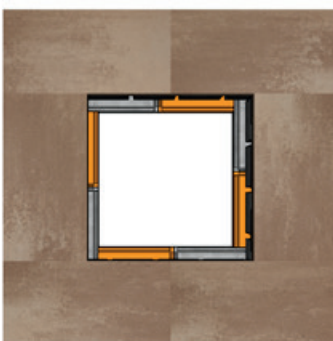
ROW 2 - ICONIC OR
ROSEMONT BLOCK



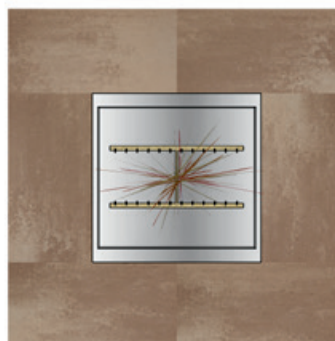
ROW 3 -
STRUCTURAL BLOCKS



ROW 3 - ICONIC OR
ROSEMONT BLOCKS

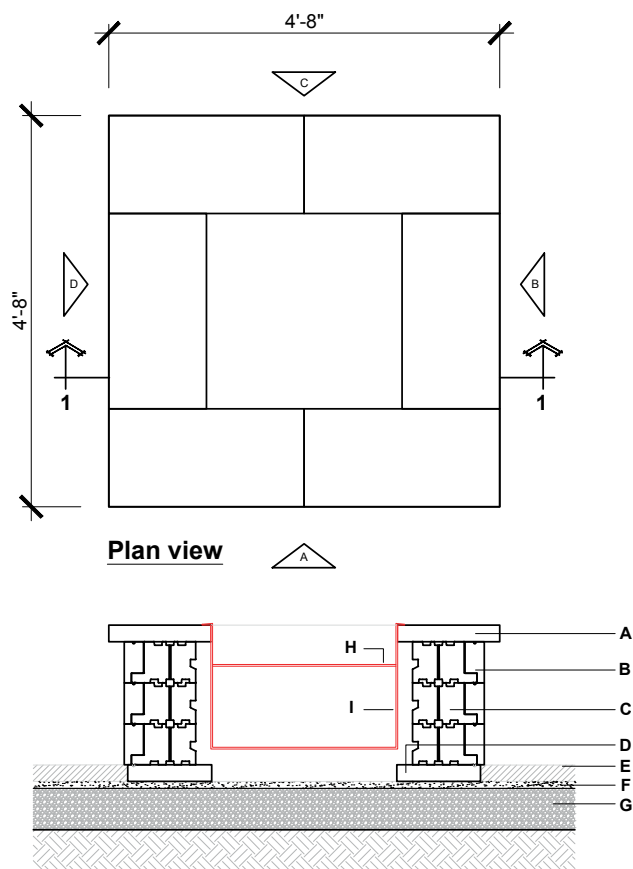


ROW 4 - CAPS



ROW 4 - STEEL INSERT,
IF WOOD-BURNING

CAD DRAWING

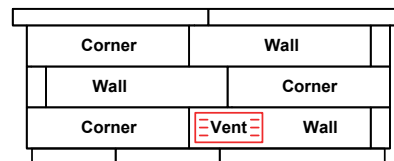


Plan view

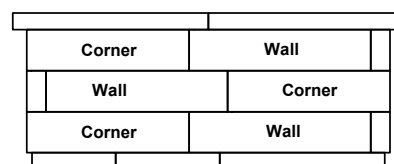
Section 1-1

QUANTITY OF MATERIALS REQUIRED
Iconic Fascia Wall : 12 PCS
Iconic Fascia Corners : 12 PCS
Fascia Structural Block single sided : 60 PCS
Fascia Base units : 8 PCS
Raffinato Caps : 6 PCS

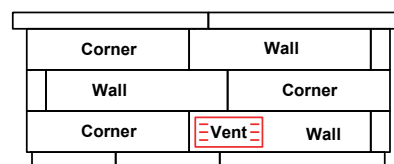
- A. RAFFINATO CAPS 60mm
B. ICONIC FASCIA WALL PANELS
C. FASCIA STRUCTURAL BLOCK SINGLE-SIDED
D. FASCIA BASE UNITS
E. TECO-BLOC PAVERS OR SLABS
F. SETTING BED 1" (25 mm)
G. COMPACTED GRANULAR 0-3/4" (0-20 mm)
H. BURNER BY WARMING TRENDS
- For natural gas or propane burner configuration only
- 2 vents required for cross-ventilation
or
I. STEEL BOX INSERT FOR WOOD BURNING APPLICATION



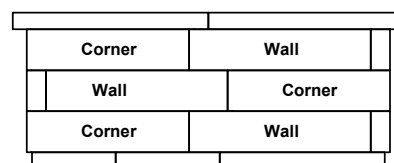
Elevation A



Elevation B



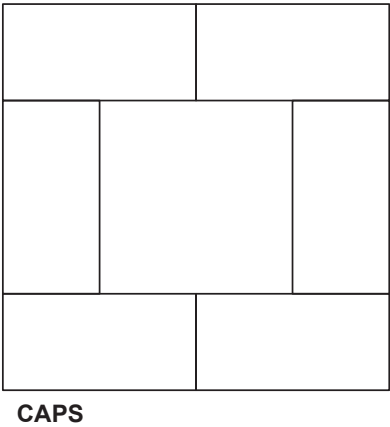
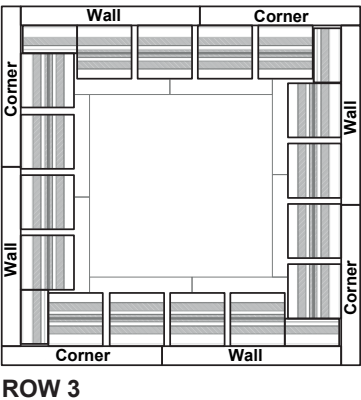
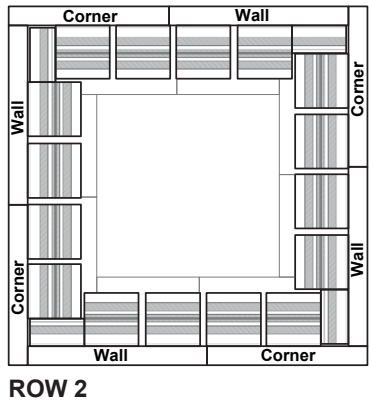
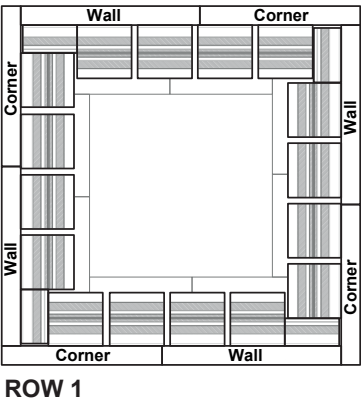
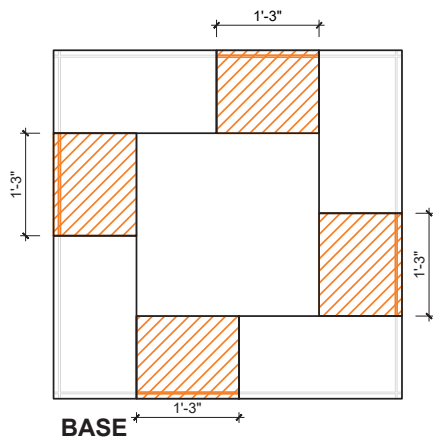
Elevation C



Elevation D

NOTE: Secure the blocks using a heat resistant concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

CAD DRAWING



 **CUT UNITS**

FASCIA BAR WITH ROSEMONT WALL

Designed for either the Iconic OR Rosemont wall systems, this bar structure can be converted to a cooking island or wet bar while preserving its original dimensions. Note: as designed, this structure should not require any cuts and should be built on a poured concrete base.

Build time: 1-1.5 hr

Staff: 2

Total labor hours: 2-3 hr



Fascia Bar with Rosemont Wall

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete)	\$_____	_____	\$_____
	Portland Cement (for slab foundation construction)	\$_____	_____	\$_____
	Concrete forms	\$_____	_____	\$_____
	Grade Pins	\$_____	_____	\$_____
	Fascia Base units : 7 PC	\$_____	_____	\$_____
	Fascia Structural Block single sided : 120 PCS	\$_____	_____	\$_____
	Rosemont (or Iconic) Fascia Wall : 24 PCS	\$_____	_____	\$_____
	Rosemont (or Iconic) Fascia Corners : 24 PCS	\$_____	_____	\$_____
	Countertop (outside dimensions: 2'6" x 6'10")	\$_____	_____	\$_____
	Flexlock Ultra / Gator Block Bond XP adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Team	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

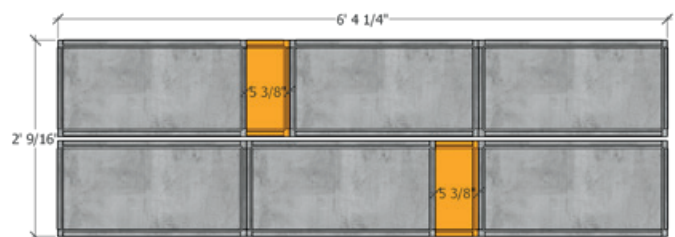
TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

- ☐ Determine location of the feature and excavate as required
- ☐ Run conduits for electricity (optional lighting or GFI outlet) and plumbing, as required
- ☐ Inspector must approve installation prior to backfilling trench (consult local bylaw)
- ☐ Classify, amend and compact soil subgrade — final surface should not have variation greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install sub-base (open-graded: ASTM #57) minimum 4"-6" thickness
- ☐ Install concrete forms to the desired size, typically, base extension beyond dimensions of the structure is not required. Secure forms with grade pins
- ☐ Mix and pour porous concrete slab (minimum 6" thickness)
- ☐ Cover with plastic sheet and allow minimum 6 hr cure time
- ☐ Remove grade pins and concrete forms
- ☐ Install skim coat levelling bed (ASTM #8 or ASTM C-33) as required
- ☐ Split 16 single sided or 8 double sided Structural Block units (4 per row) to create corners
- ☐ Row 1: Cut and install Base Block, laid out as per diagram ensuring units are set square and level
- ☐ Row 2: Install first course of Structural Block, inserting engineered tab into corresponding groove on previously installed Base Block
 - ☐ Install Fascia units, 2 left corners, 2 right corners and 4 straight units
- ☐ Row 3: Install second course of Structural Block, inserting engineered tab into corresponding groove on previously installed Fascia unit
 - ☐ Install Fascia units, 2 left corners, 2 right corners and 4 straight units
- ☐ Row 4: Install second course of Structural Block, inserting engineered tab into corresponding groove on previously installed Fascia unit
 - ☐ Install Fascia units, 2 left corner, 2 right corners and 4 straight units
- ☐ Install optional under cap lighting
- ☐ Install custom counter-top

ROW-BY-ROW DRAWINGS



BASE



ROW 1 - STRUCTURAL BLOCKS



ROW 1 - FASCIA ROSEMONT OR ICONIC



ROW 2 - STRUCTURAL BLOCKS



ROW 2 - FASCIA ROSEMONT OR ICONIC

ROW-BY-ROW DRAWINGS



ROW 3 - CORE



ROW 3 - FASCIA



ROW 4 - CORE



ROW 4 - FASCIA



ROW 5 - CORE

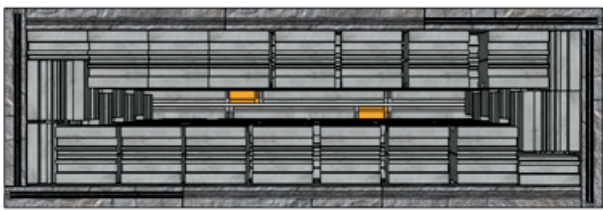


ROW 5 - FASCIA

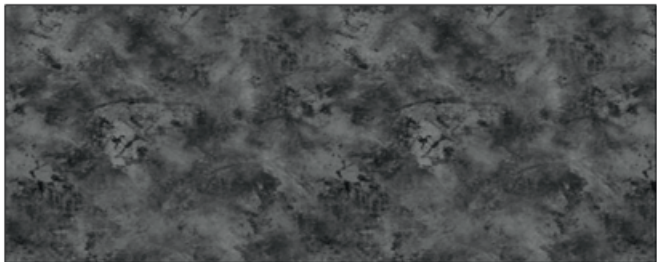
ROW-BY-ROW DRAWINGS



ROW 6 - CORE

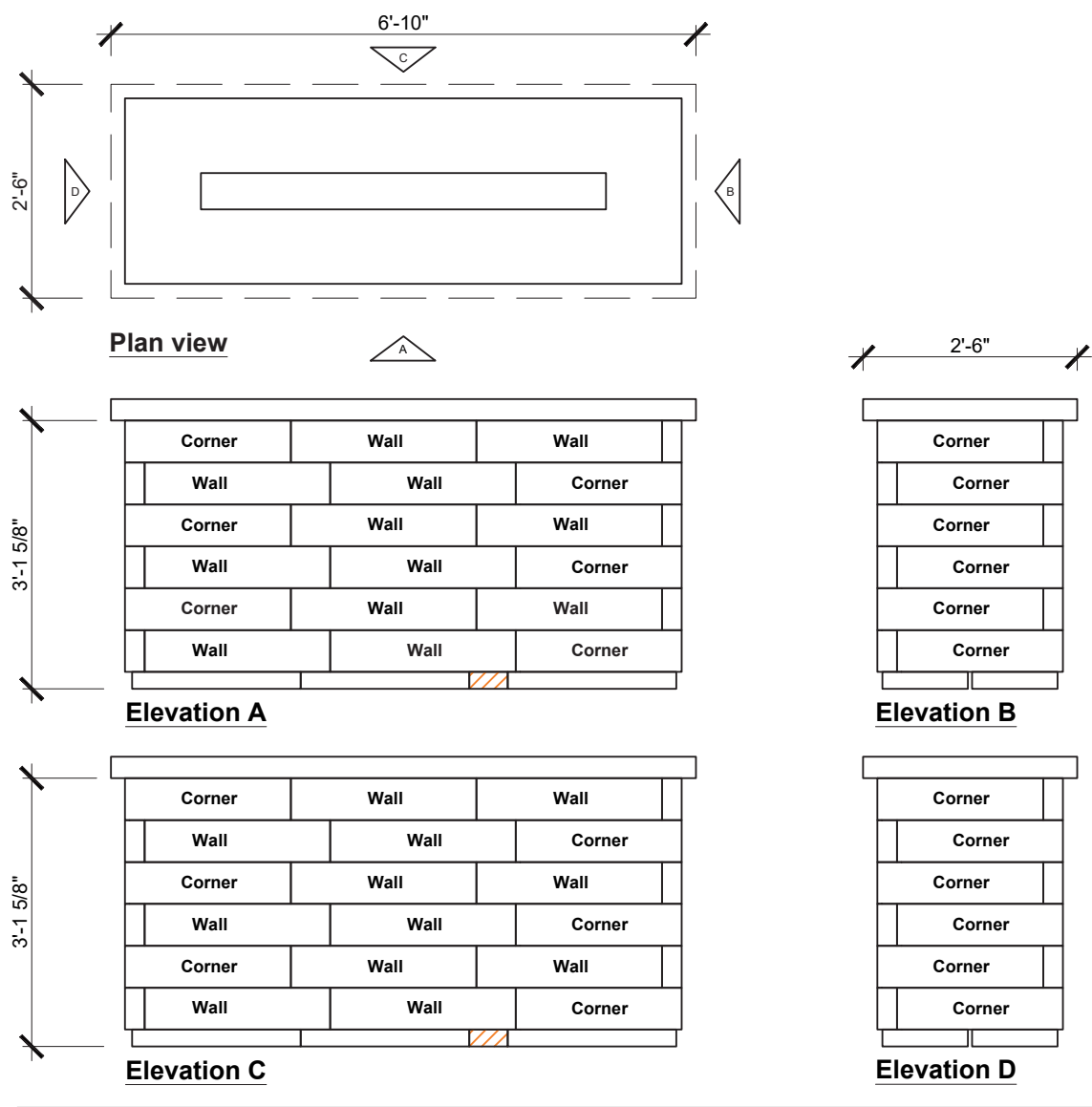


ROW 6 - FASCIA

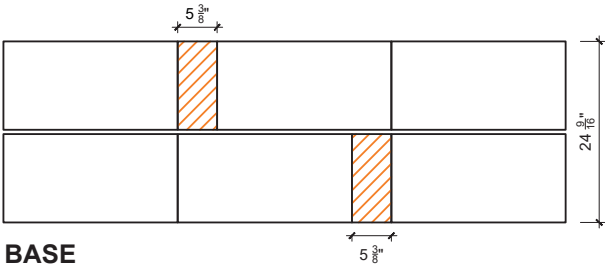


COUNTER TOP

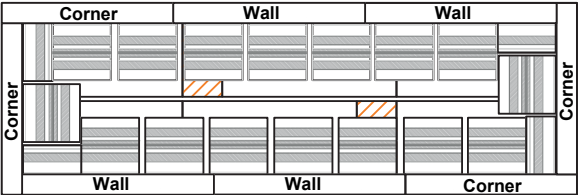
CAD DRAWING



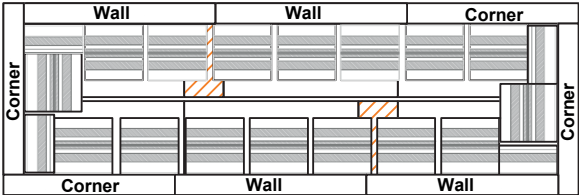
CAD DRAWING



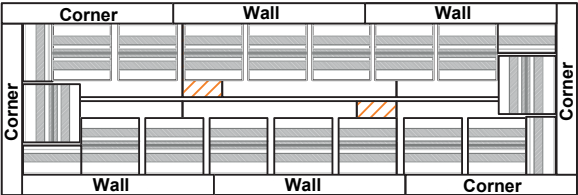
BASE



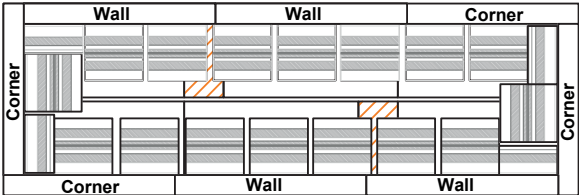
ROW 1



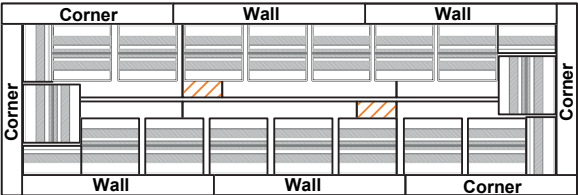
ROW 2



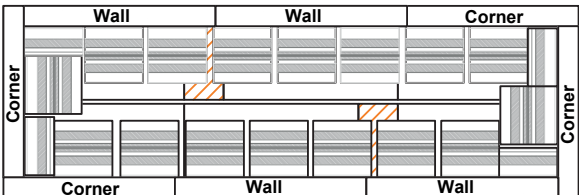
ROW 3



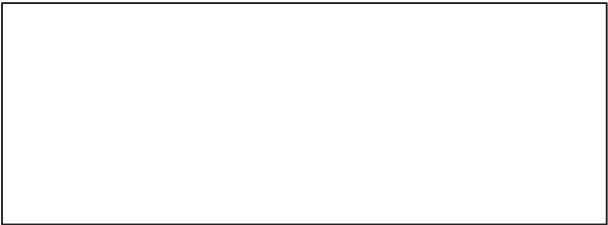
ROW 4



ROW 5



ROW 6



Counter top

 CUT UNITS

BOREALIS + GRAPHIX WALL COUNTER / BAR / GRILL ISLAND (LENGTH: 8' 8")

Constructed on a traditional or porous concrete slab for stability and uniform seasonal movement, this grill island is the perfect balance of modern and traditional building material textures.

Build time*: 6 hr

Staff: 2

Total labor hours: 12-14 hr

*excludes base construction and subcontractor time



Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete)	\$_____	_____	\$_____
	Portland Cement (for slab foundation construction)**	\$_____	_____	\$_____
	Concrete forms	\$_____	_____	\$_____
	Grade Pins	\$_____	_____	\$_____
	10 units - Borealis Wall	\$_____	_____	\$_____
	42.64 sq.ft. (104 units) - Graphix Wall	\$_____	_____	\$_____
	2 Pave Tool Quick-E Vents (2.95" height) - required for grill ventilation	\$_____	_____	\$_____
	Access doors - optional	\$_____	_____	\$_____
	Grill or other appliance	\$_____	_____	\$_____
	Countertop with exterior dimensions 8'10" x 2'10"	\$_____	_____	\$_____
	Flexlock Ultra adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

** Porous concrete mix design: 4 parts aggregate to 1 part Portland cement, mix carefully with just enough water to hydrate the cement, but not create a thick paste. The mix should hold together after being squeezed in your hand and should have a slight shine to it.

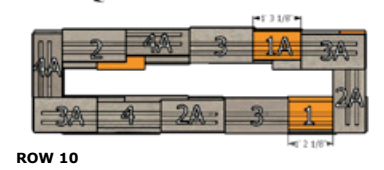
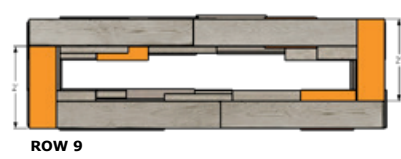
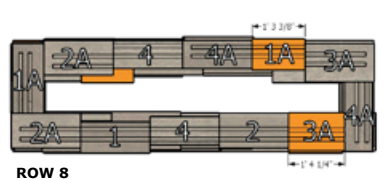
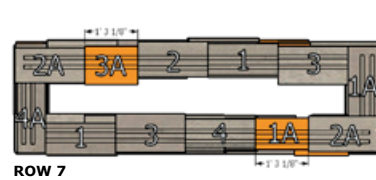
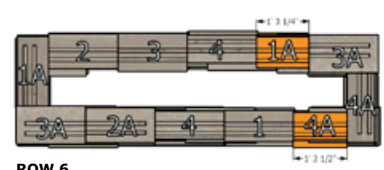
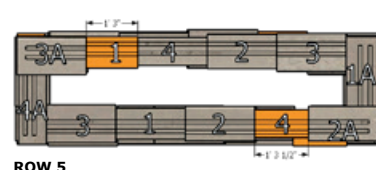
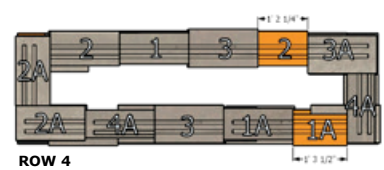
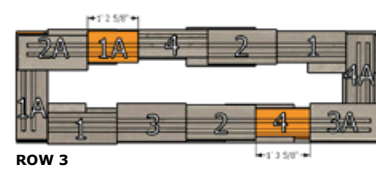
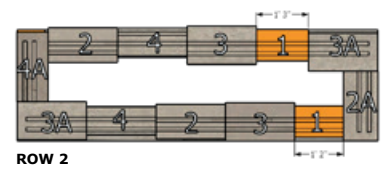
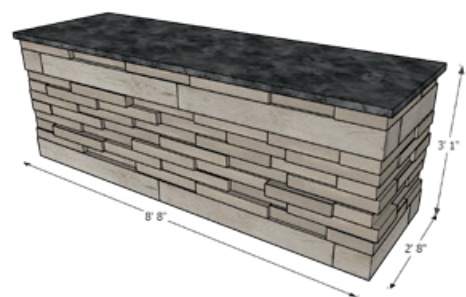
Process

- ☐ Run conduits for gas, electricity and/or water services
- ☐ With a certified and bonded gas technician, run natural gas or propane line
 - ☐ Installation must be approved by local inspector
- ☐ Install minimum 4" layer of ASTM #57 or RC-57 aggregate
- ☐ Install concrete forms, secure with grade pins
- ☐ Mix and pour porous concrete slab (minimum 6" thickness)
- ☐ Cover with plastic sheet and allow minimum 6 hr cure time
- ☐ Remove grade pins and concrete forms
- ☐ Install first course of Borealis Wall ensuring units are set square and level
- ☐ Install courses of Graphix Wall, marking and cutting as per plan (smooth faces out to replicate image above)
- ☐ Measure and cut Graphix Wall units to accommodate optional access door
- ☐ Adhere units using Flexlock Ultra adhesive (apply in direction of desired air flow)
- ☐ Install second course of Borealis Wall, ensuring correct placement of any units that need to bridge over access doors
- ☐ Install final course of Graphix Wall, mark and cut units to receive Pave Tool Quick-E Vents
- ☐ Optional: install under-cap Hyde style in-Lite lighting fixtures
- ☐ Install countertop, shim and seamseal with exterior-grade caulk, as needed
- ☐ Install Grill or other applicable appliances

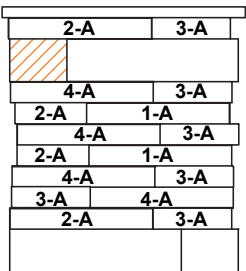
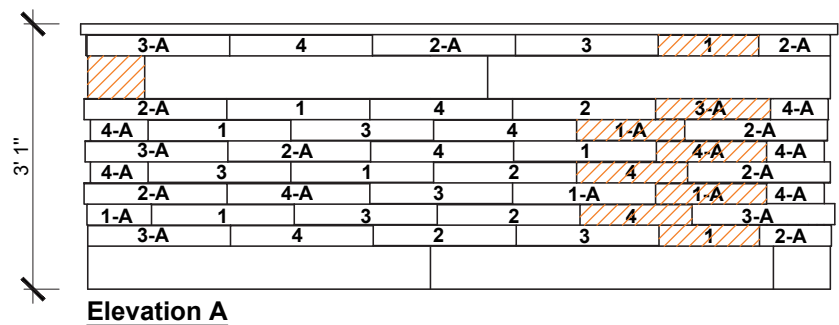
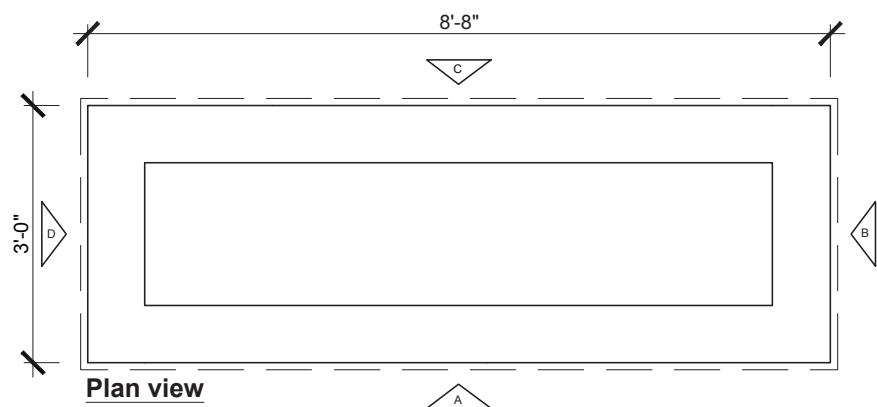


Always consult appliance manufacturer's recommendations regarding cross-ventilation and fuel requirements.

ROW-BY-ROW DRAWINGS

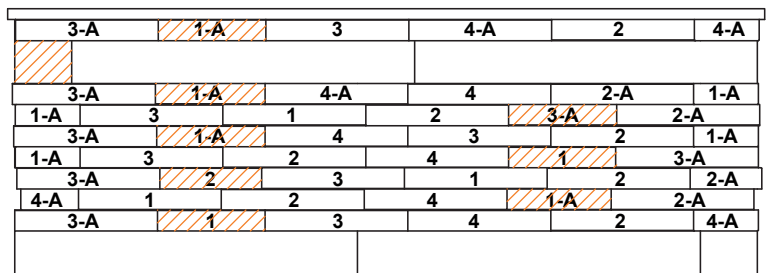


CAD DRAWING

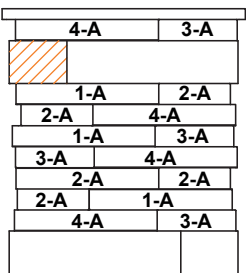


Elevation A

Elevation B



Elevation C



Elevation D

QUANTITY OF MATERIALS REQUIRED

Graphix wall : 12 Rows
Borealis wall : 3 rows
Counter top supplied by others

 CUT UNITS

FULL-SIZE GRILL ISLAND WITH RAFFINATO STEP AND BRANDON WALL INSERT COUNTER / BAR / GRILL ISLAND (LENGTH: 11' 8 ½")

This full-sized island is an entertainer's dream. And it's easy to add to most patios.

Build time*: 6 hr

Staff: 2

Total labor hours: 12-14 hr

*excludes base construction



**Full-size Grill Island with Raffinato Step
and Brandon wall insert**

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	Concrete forms	\$_____	_____	\$_____
	Ready-Mix or Porous Concrete	\$_____	_____	\$_____
	27 units Raffinato Step	\$_____	_____	\$_____
	Construction adhesive	\$_____	_____	\$_____
	4 vents (min. 18 in2 vent space required)	\$_____	_____	\$_____
	Grill	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

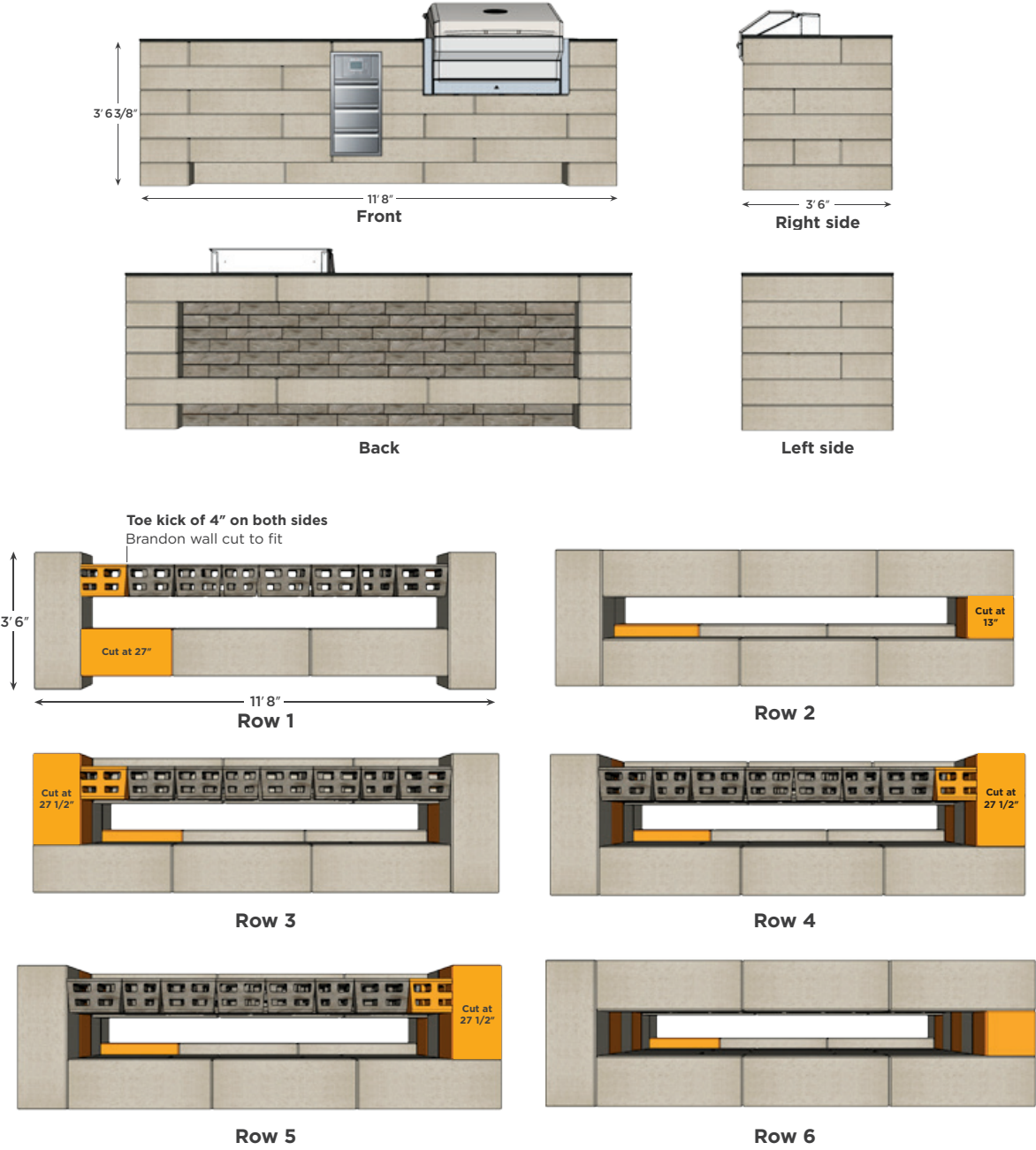
Process

- ☐ Run conduits for electrical and gas (as required)
- ☐ With certified, bonded gas technician, run propane or natural gas line
- ☐ Appropriate inspector must approve installation prior to backfilling trench
- ☐ Classify, amend and compact soil subgrade — final surface should not have variation greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install sub-base (open-graded: ASTM #57) minimum 4"-6" thickness
- ☐ Form and pour Ready-Mix or Porous Concrete (PC) pad, recommended min. 4" (fiber-reinforcement, if required)
- ☐ Install skim coat leveling bed (ASTM #8 or ASTM C-33) *if required
- ☐ Mark and cut Raffinato Step units to accomodate ventilation and assembly plan
- ☐ Mechanically install Raffinato Step units, as per plan, secured using construction adhesive. At same time, install Brandon 90mm Wall block, secured with supplied anchoring pins and construction adhesive.
- ☐ Install electrical outlets *optional
- ☐ Trial fit grill to assess required supports
- ☐ With certified, bonded gas technician connect grill to gas line and pressure test
- ☐ Insert cross-vent grates and access panels/doors/drawers
- ☐ Install custom counter-top

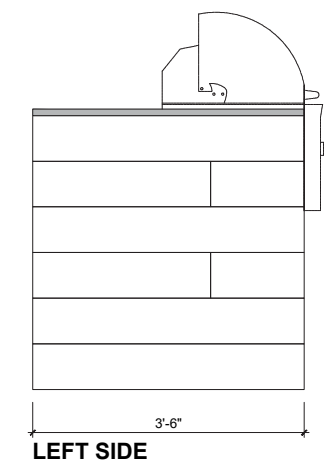
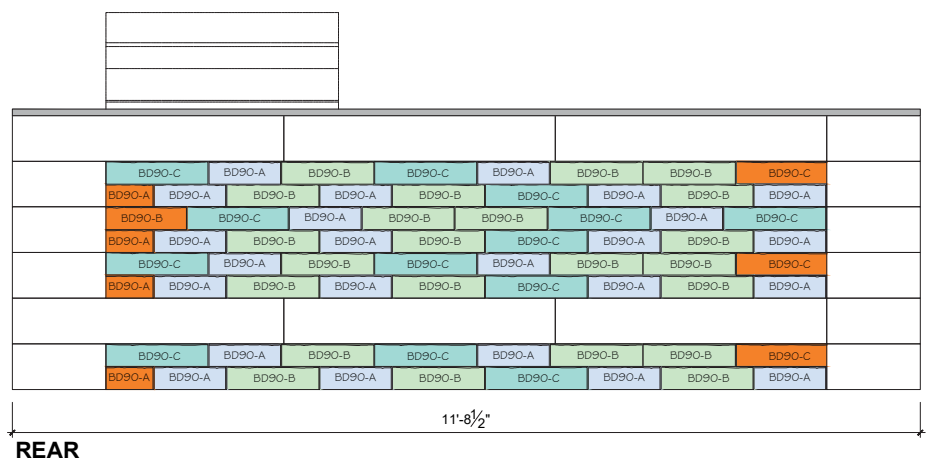
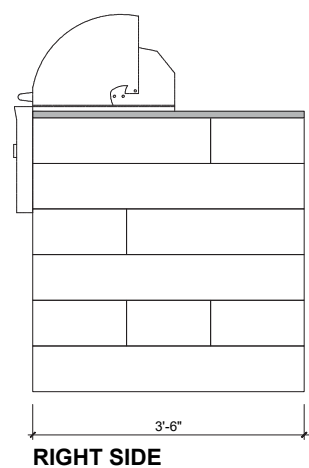
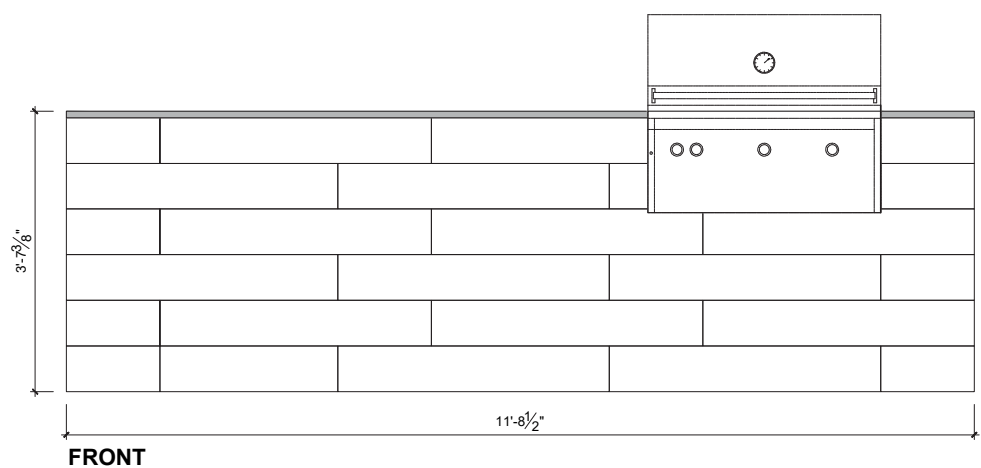


Always consult manufacturer's recommendations regarding cross-ventilation requirements.

ROW-BY-ROW DRAWINGS



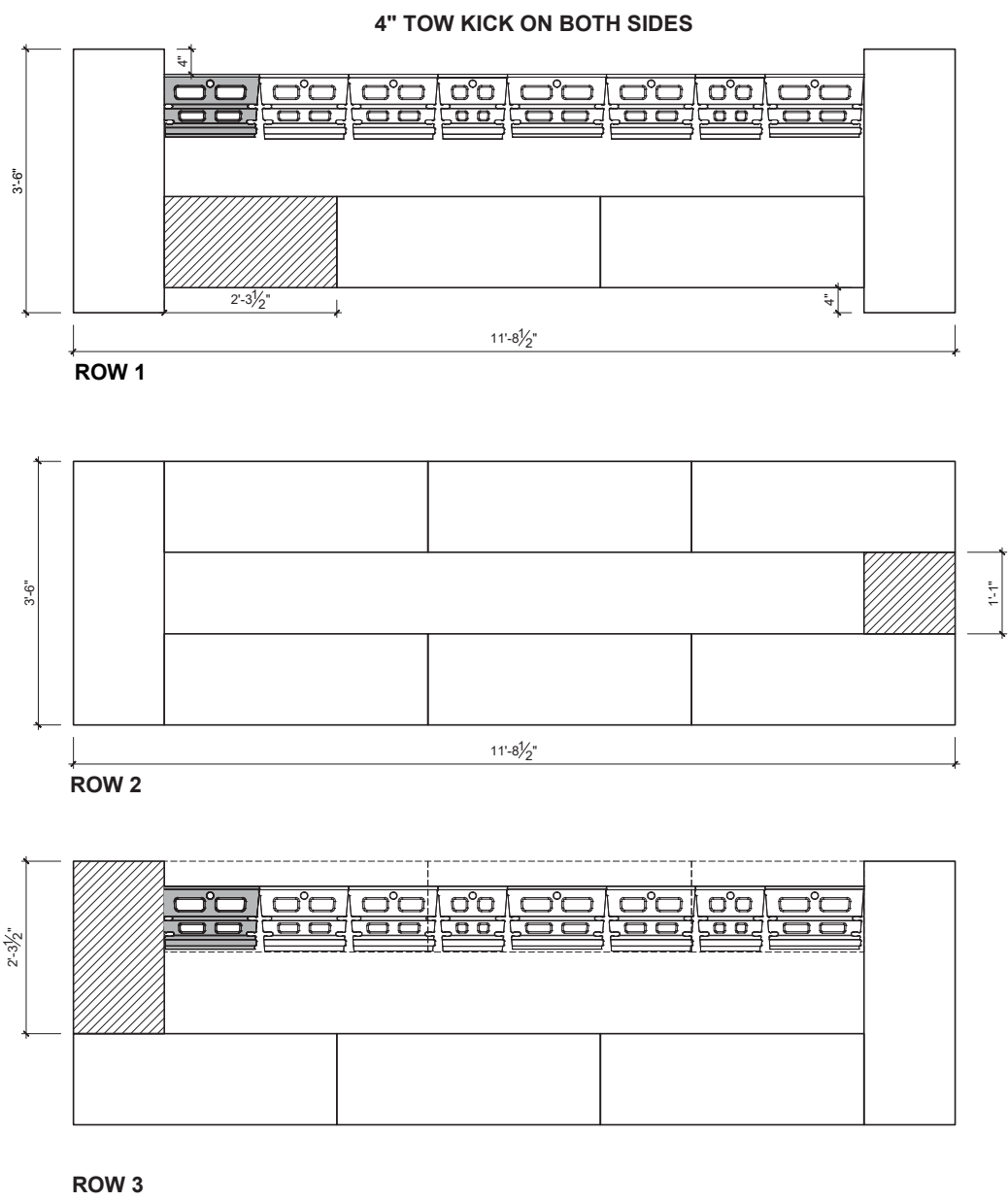
CAD DRAWING



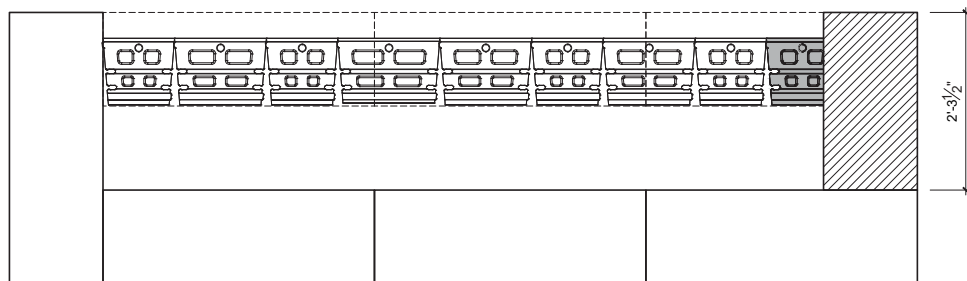
QUANTITY OF MATERIALS REQUIRED

Raffinato steps: 35 Pcs
Brandon walls: 12 Rows
Forno : 1 Unit

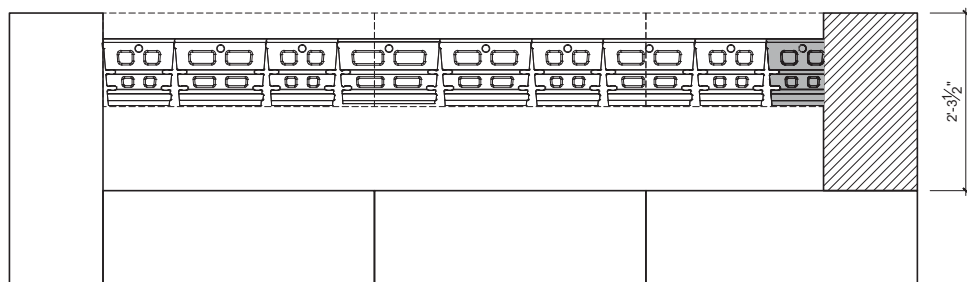
CAD DRAWING



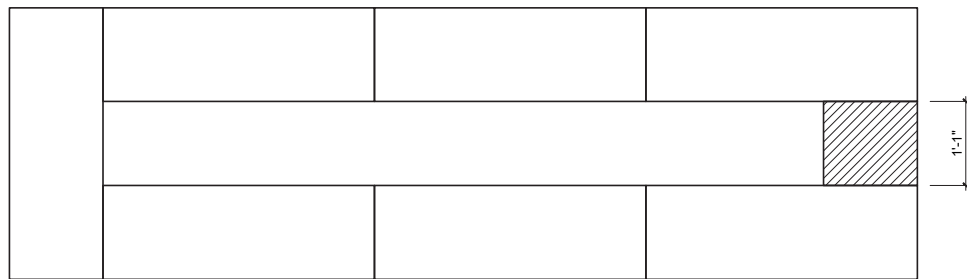
CAD DRAWING



ROW 4



ROW 5



ROW 6

RAFFINATO STEP + GRAPHIX WALL WOOD-FIRED OVEN

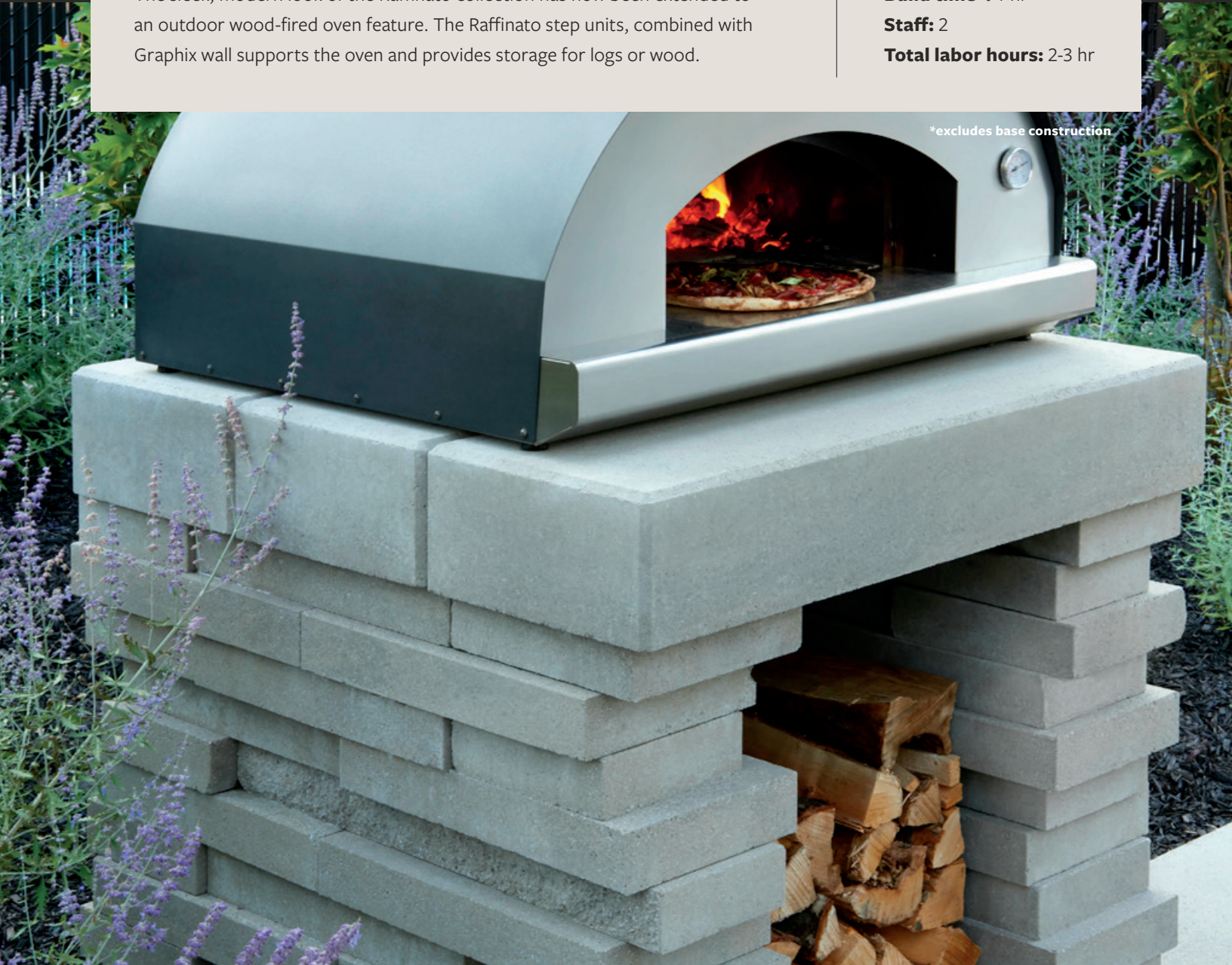
The sleek, modern look of the Raffinato collection has now been extended to an outdoor wood-fired oven feature. The Raffinato step units, combined with Graphix wall supports the oven and provides storage for logs or wood.

Build time*: 1 hr

Staff: 2

Total labor hours: 2-3 hr

*excludes base construction



Raffinato Step + Graphix Wall Wood-Fired Oven

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	Concrete forms	\$_____	_____	\$_____
	Ready-Mix or Porous Concrete	\$_____	_____	\$_____
	10 rows Graphix Wall	\$_____	_____	\$_____
	6 units Raffinato Step	\$_____	_____	\$_____
	Flexlock Ultra / Gator Block Bond XP adhesive	\$_____	_____	\$_____
	Forno pizza oven	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Team	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

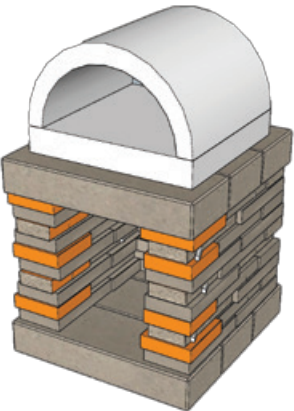
Process

- ☐ Classify, amend and compact soil subgrade — final surface should not have greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install sub-base (open-graded: ASTM #57) minimum 4"-6" thickness
- ☐ Form and pour Ready-Mix or Porous Concrete (PC) pad, recommended min. 4" thickness (fiber-reinforcement, if required)
- ☐ Install skim coat leveling bed (ASTM #8 or ASTM C-33), as required
- ☐ Mechanically install 3 Raffinato Step units, as per plan
- ☐ Install 10 rows Graphix Wall, as per plan, using supplied clips and bonded with construction adhesive
- ☐ Mechanically install 3 Raffinato Step units, as per plan
- ☐ Install Forno pizza oven

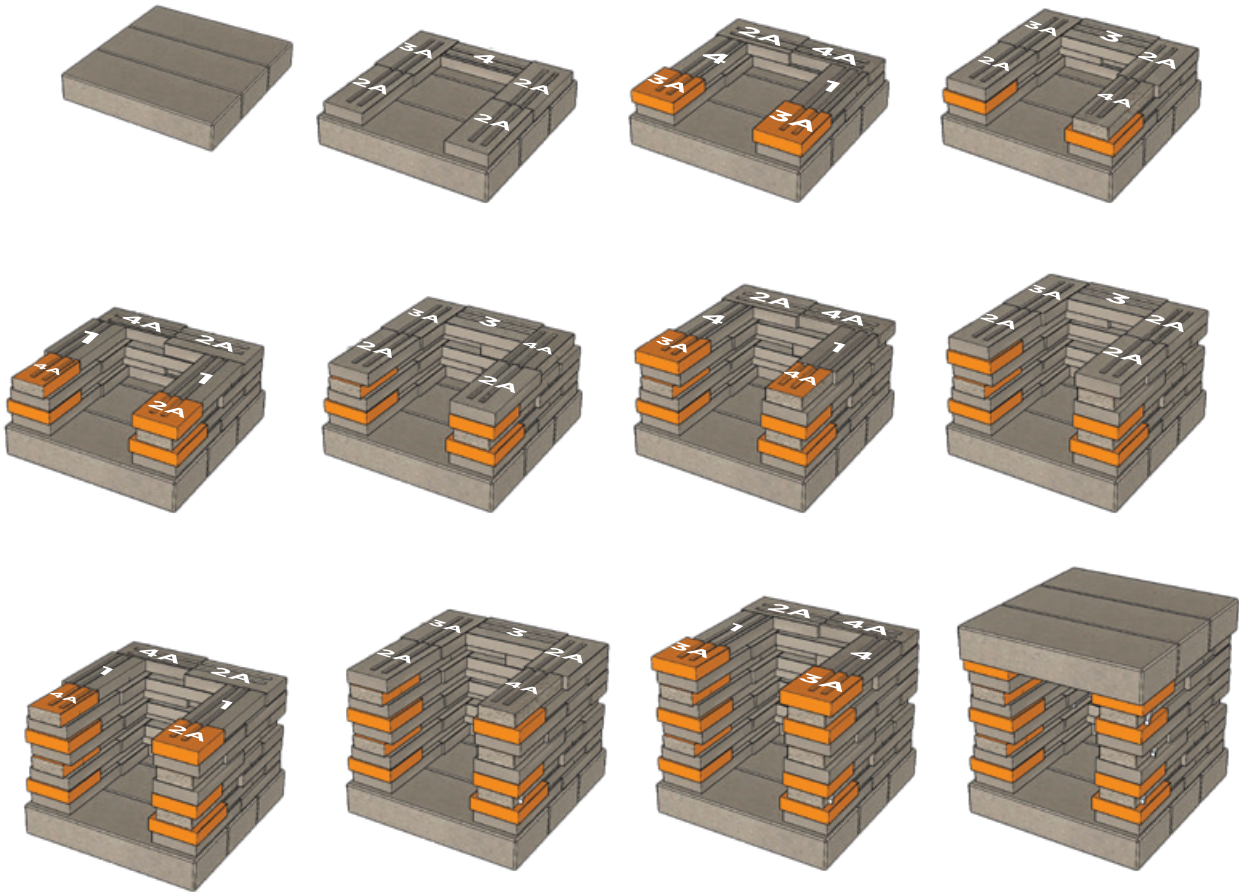


Consult local building codes to set appropriate distance from homes and other structures.

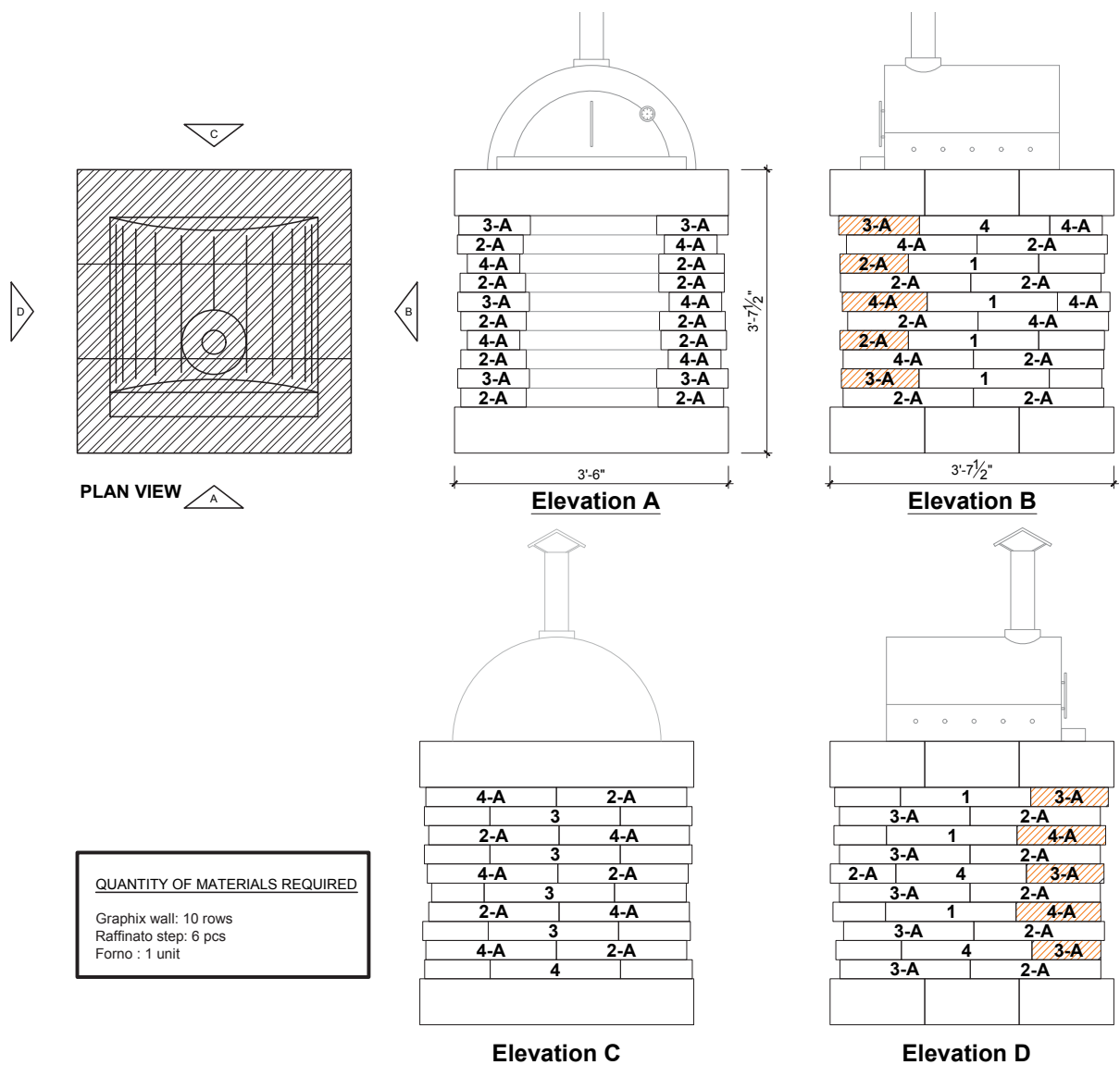
ROW-BY-ROW DRAWINGS



Length of cut units determined
at installer's discretion

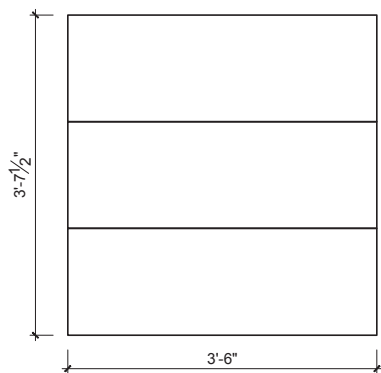


CAD DRAWING

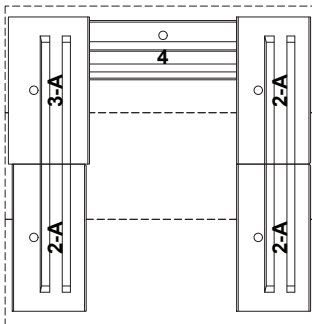


 CUT UNITS

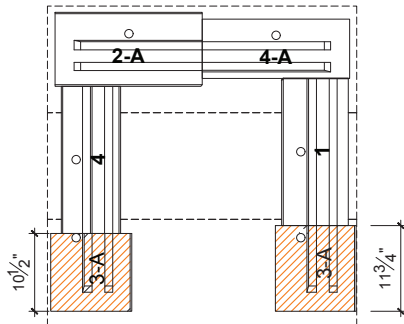
CAD DRAWING



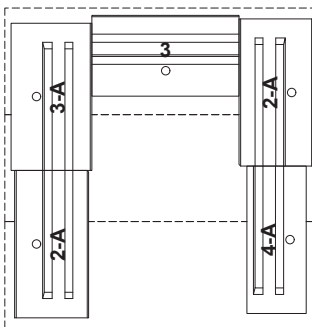
ROW 1



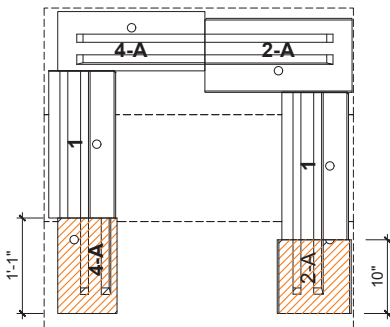
ROW 2



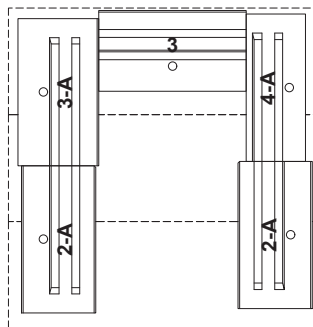
ROW 3



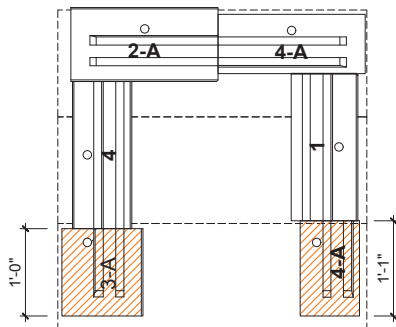
ROW 4



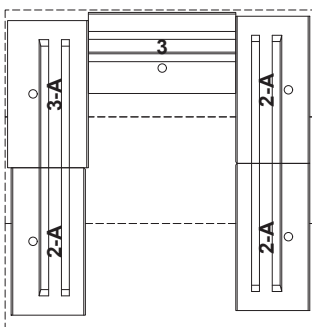
ROW 5



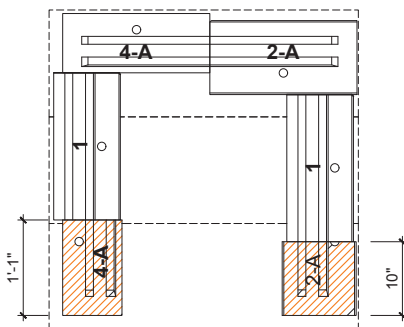
ROW 6



ROW 7



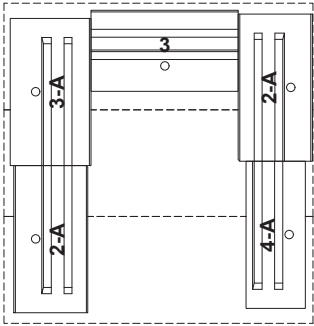
ROW 8



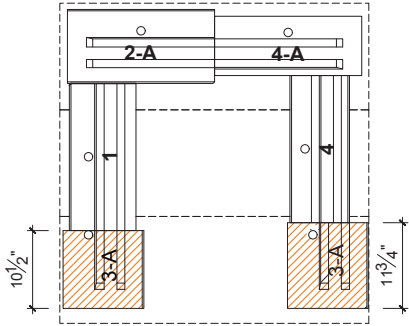
ROW 9

 CUT UNITS

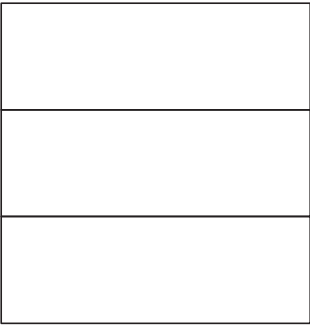
CAD DRAWING



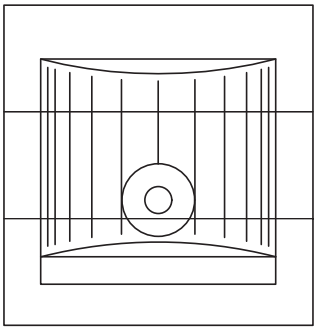
ROW 10



ROW 11



ROW 12



ROW 13 (FORNO)

 CUT UNITS

BOREALIS WALL WOOD-FIRED OVEN (LENGTH: 3' 6")

The Borealis Wall wood-fired oven is the perfect addition for any homeowner who is looking to impress. This design combines a classic look with a versatile oven that's ready to be fired up.

Build time*: 1 hr

Staff: 2

Total labor hours: 2-3 hr

*excludes base construction



Borealis wall Wood-Fired Oven

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	Concrete forms	\$_____	_____	\$_____
	Ready-Mix or Porous Concrete	\$_____	_____	\$_____
	1 pallet of Borealis Wall	\$_____	_____	\$_____
	Construction adhesive	\$_____	_____	\$_____
	Forno pizza oven	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

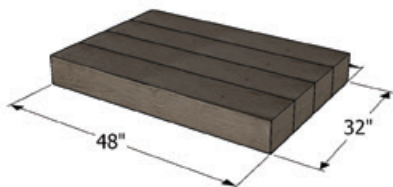
Process

- ☐ Classify, amend and compact soil subgrade — final surface should not have greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install sub-base (open-graded: ASTM #57) minimum 4"-6" thickness
- ☐ Form and pour Ready-Mix or Porous Concrete (PC) pad, recommended min. 4" (fiber-reinforcement, if required)
- ☐ Install skim coat leveling bed (ASTM #8 or ASTM C-33) *if required
- ☐ Cut Borealis Wall units, as per plan
- ☐ Install Borealis Wall units, as per plan, bond with construction adhesive
- ☐ Install Forno pizza oven



Consult local building codes to set appropriate distance from homes and other structures.

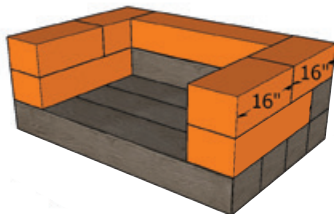
ROW-BY-ROW DRAWINGS



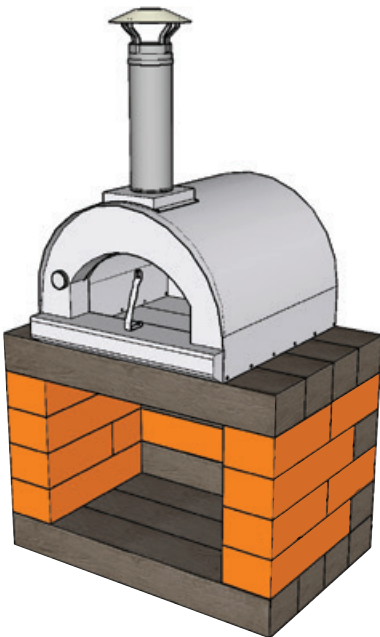
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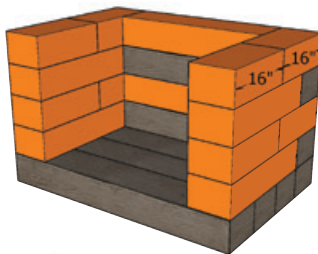
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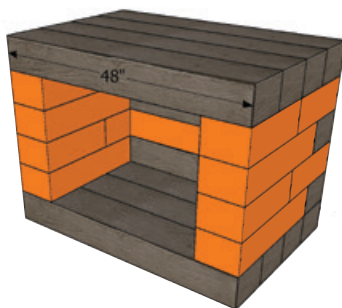
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Row 4

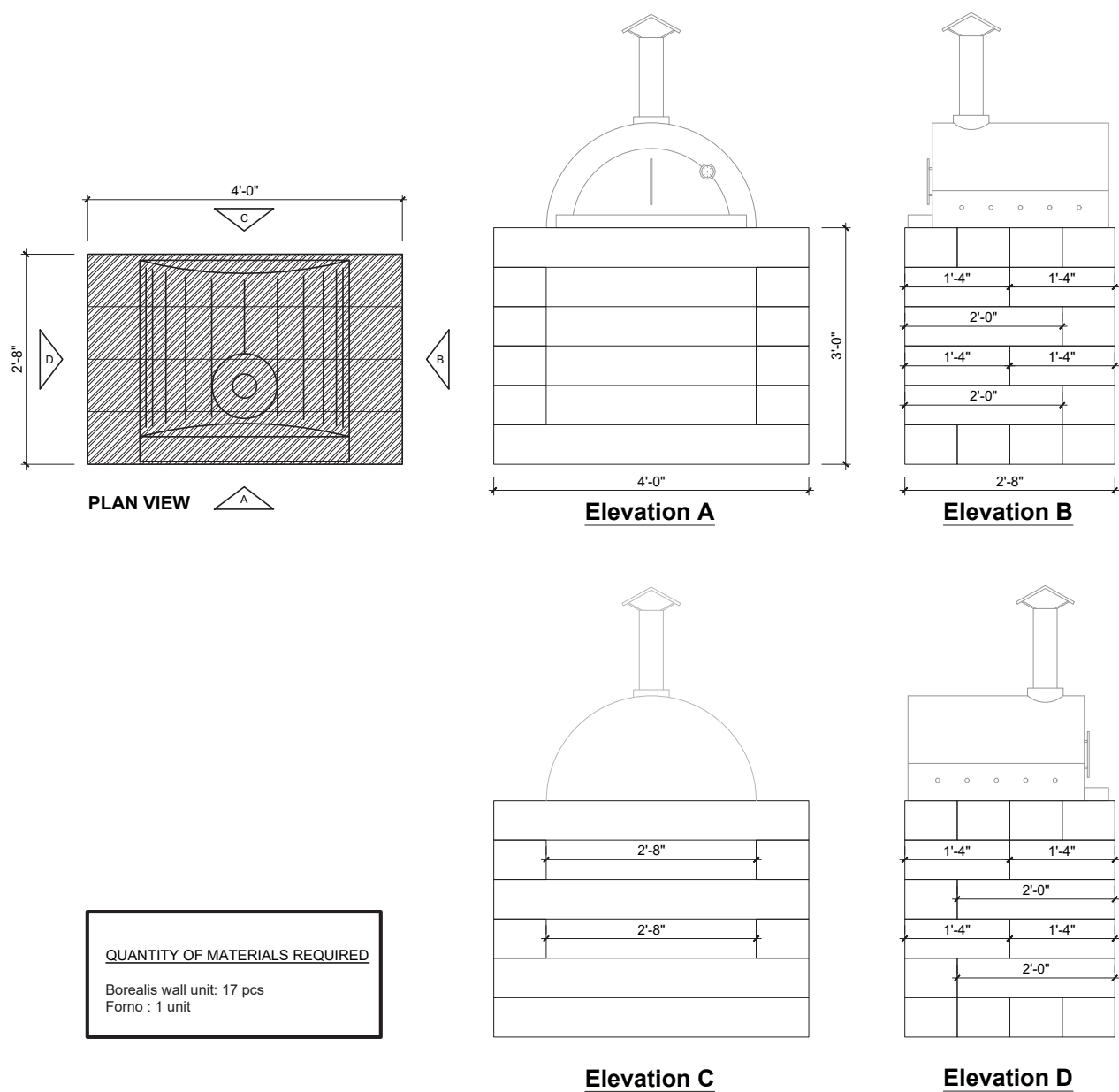


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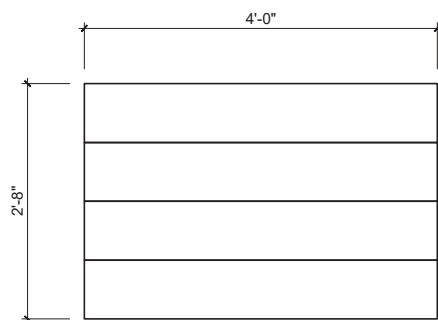
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CAD DRAWING

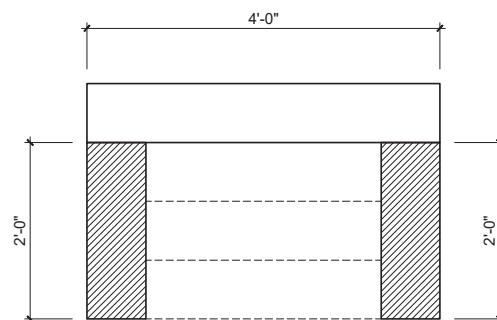


NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

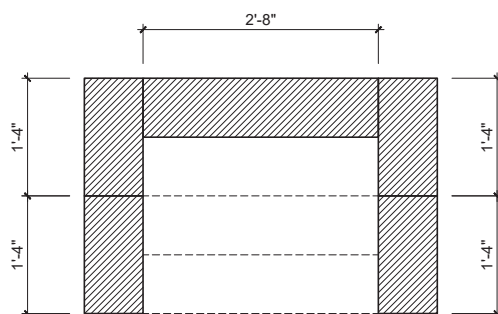
CAD DRAWING



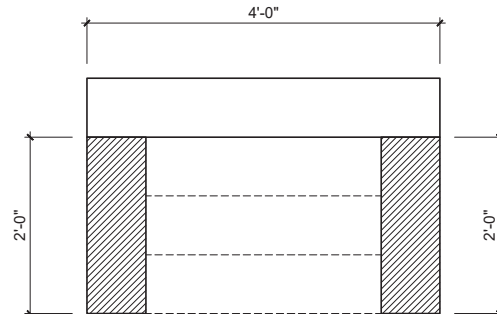
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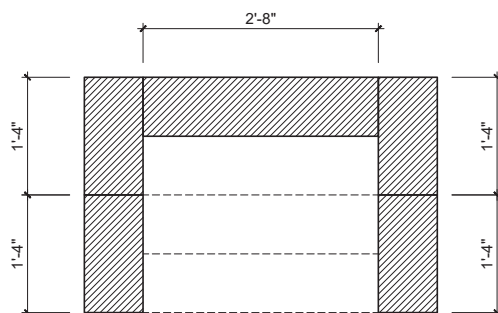
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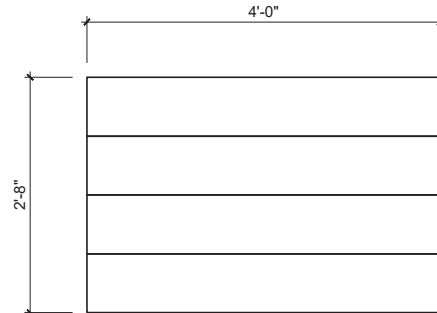
ROW 3



ROW 4



ROW 5



ROW 6

NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

RÖCKA WOOD-FIRED OVEN

Using Röcka wall to build an outdoor wood-fired oven offers your clients a beautiful, simple to execute cooking feature with storage capacity. The stack stone appearance provides a traditional look.

Build time*: 2 hrs

Staff: 2

Total labor hours: 4 hrs



Röcka Wood-Fired Oven

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or ASTM C-2940	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	Concrete Forms	\$_____	_____	\$_____
	Ready-mix or Porous Concrete	\$_____	_____	\$_____
	1 pallet Röcka Wall	\$_____	_____	\$_____
	12 units of Piedimonte Cap	\$_____	_____	\$_____
	Construction adhesive	\$_____	_____	\$_____
	Firepit feature basin & accessories	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

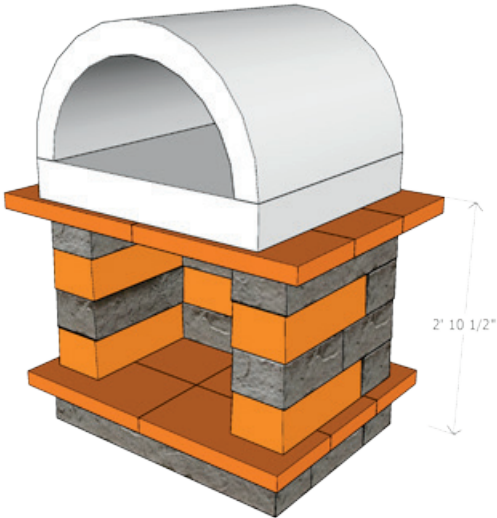
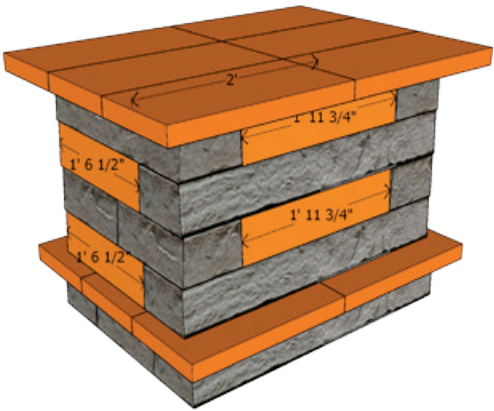
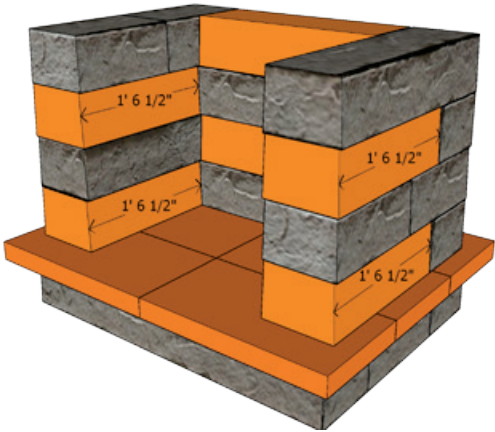
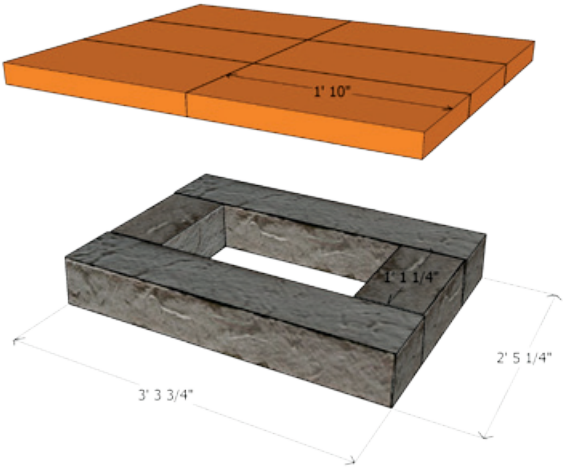
- ☐ Classify, amend and compact soil subgrade — final surface should not have greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install sub-base (open-graded: ASTM #57) minimum 4"-6" thickness
- ☐ Form and pour Ready-Mix or Porous Concrete (PC) pad, recommended min. 4" (fiber-reinforcement, if required)
- ☐ Install skim coat leveling bed (ASTM #8 or ASTM C-33) *if required
- ☐ Cut Borealis Wall units and Piedimonte Cap units, as per plan
- ☐ Install Borealis Wall and Piedimonte Cap units, as per plan, bond with construction adhesive
- ☐ Install Forno pizza oven



Consult local building codes to set appropriate distance from homes and other structures.

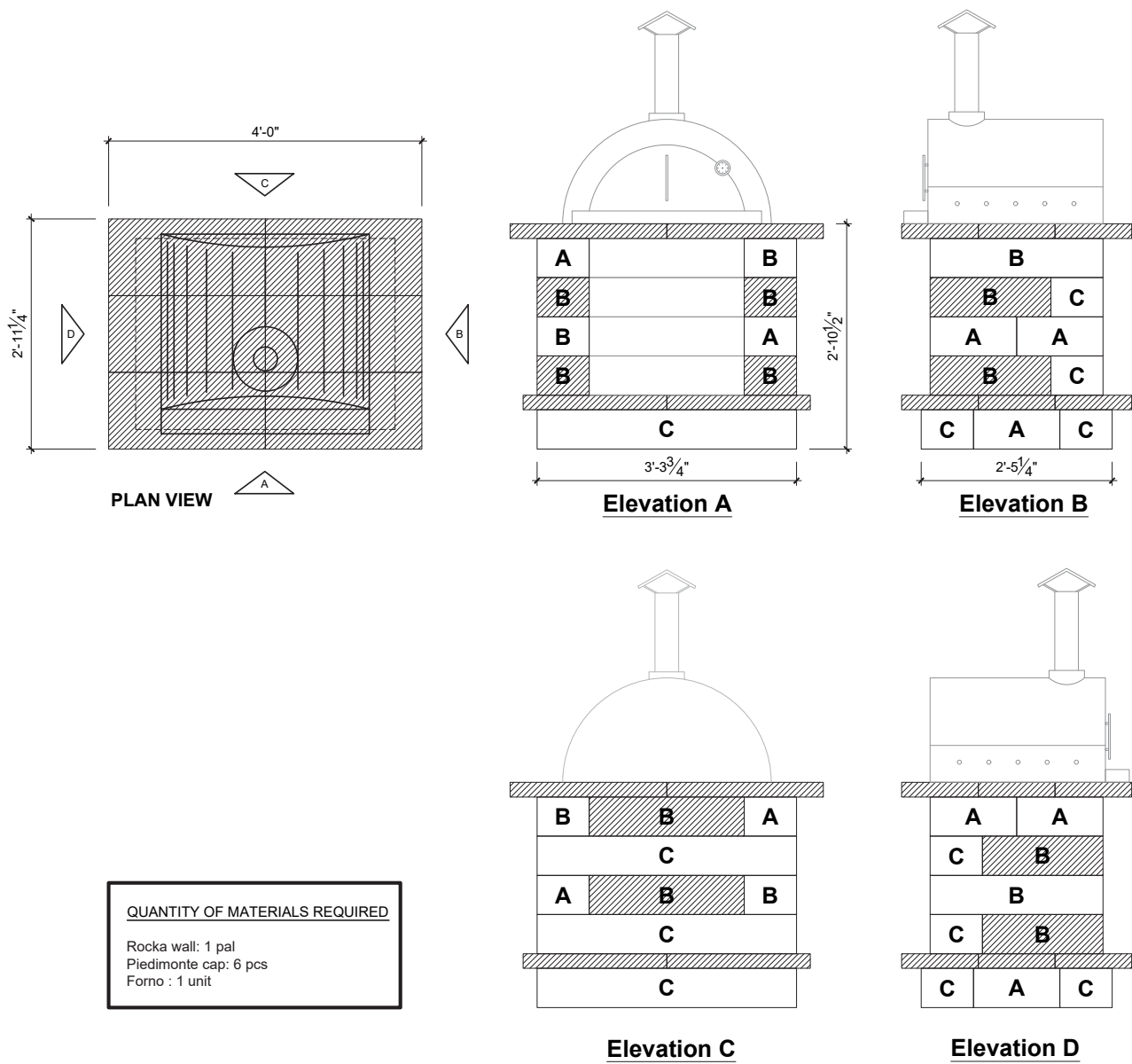
ROW-BY-ROW DRAWINGS

OPTION 1



CAD DRAWING

OPTION 1

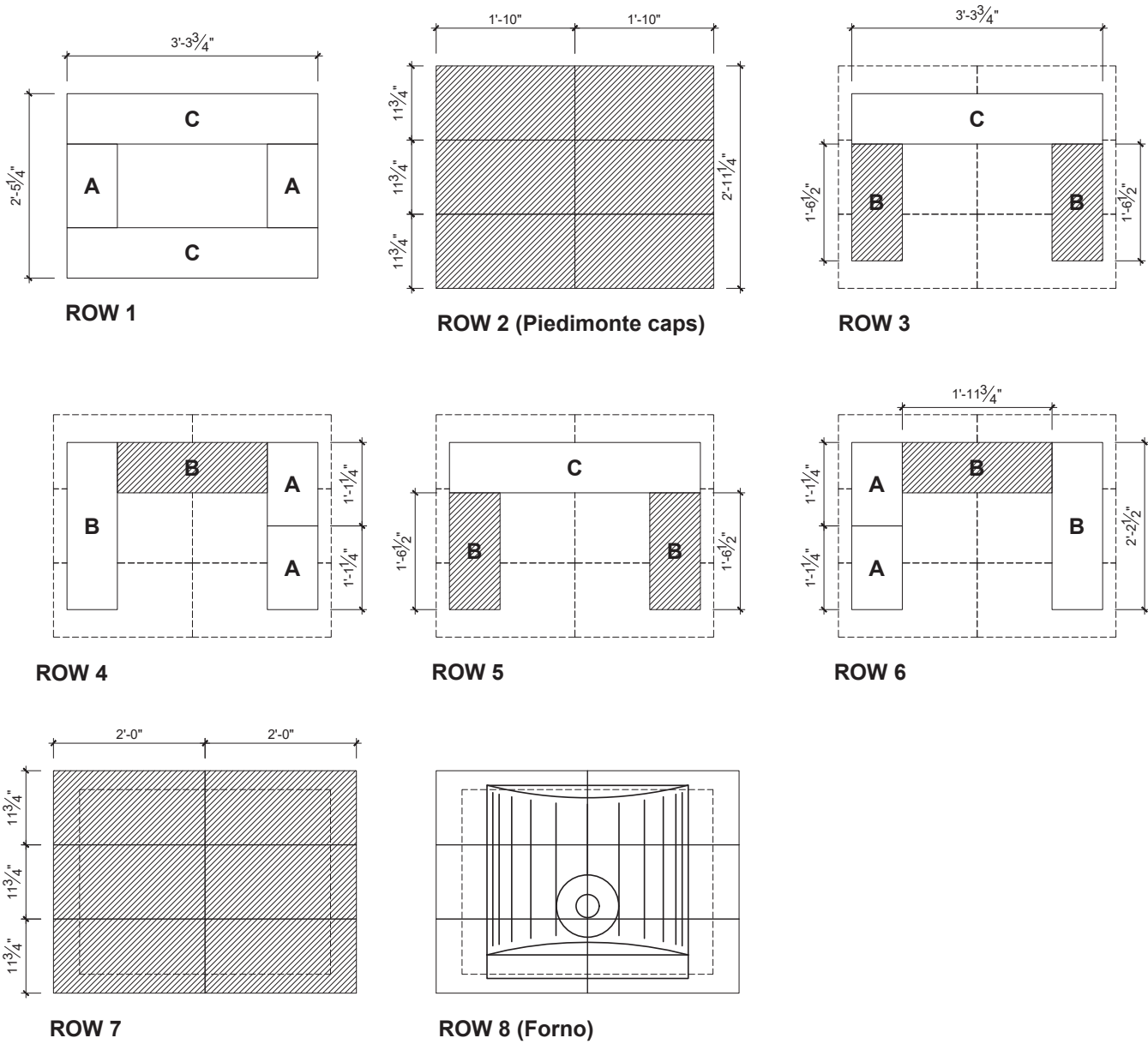


NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

 **CUT UNITS**

CAD DRAWING

OPTION 1

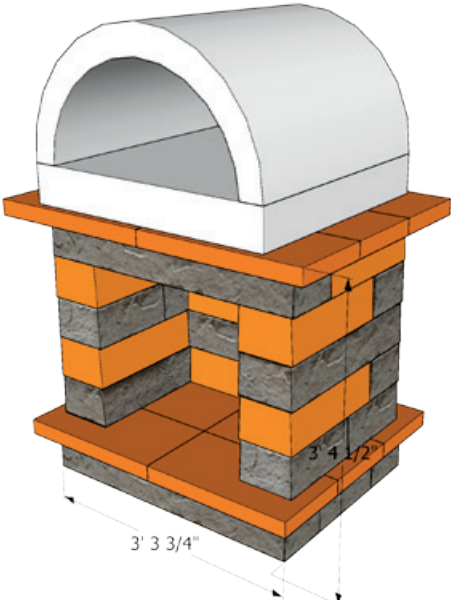
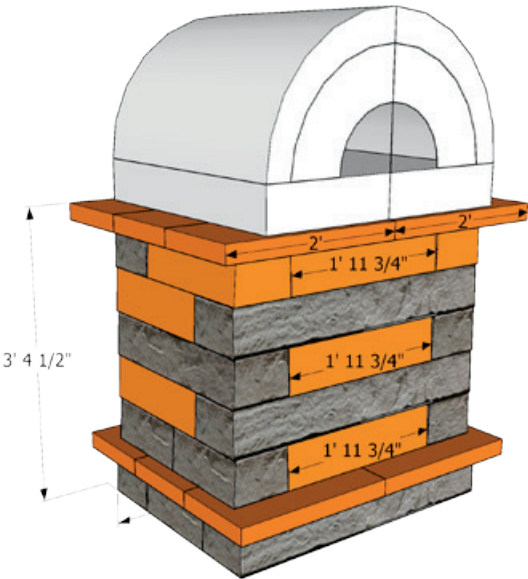
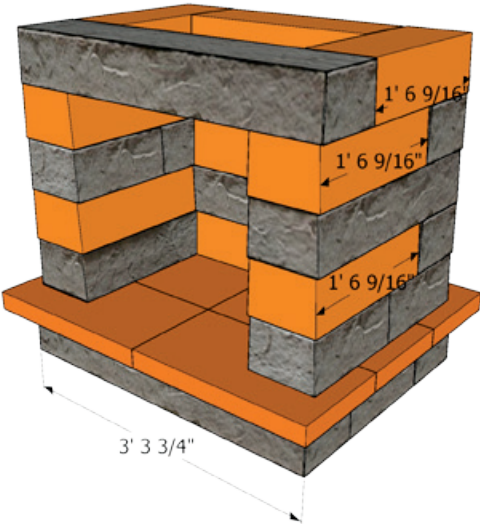
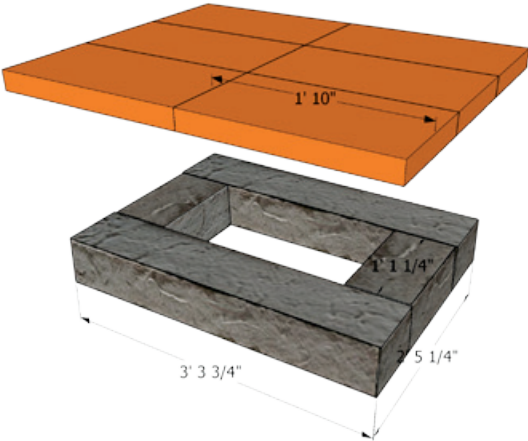


NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

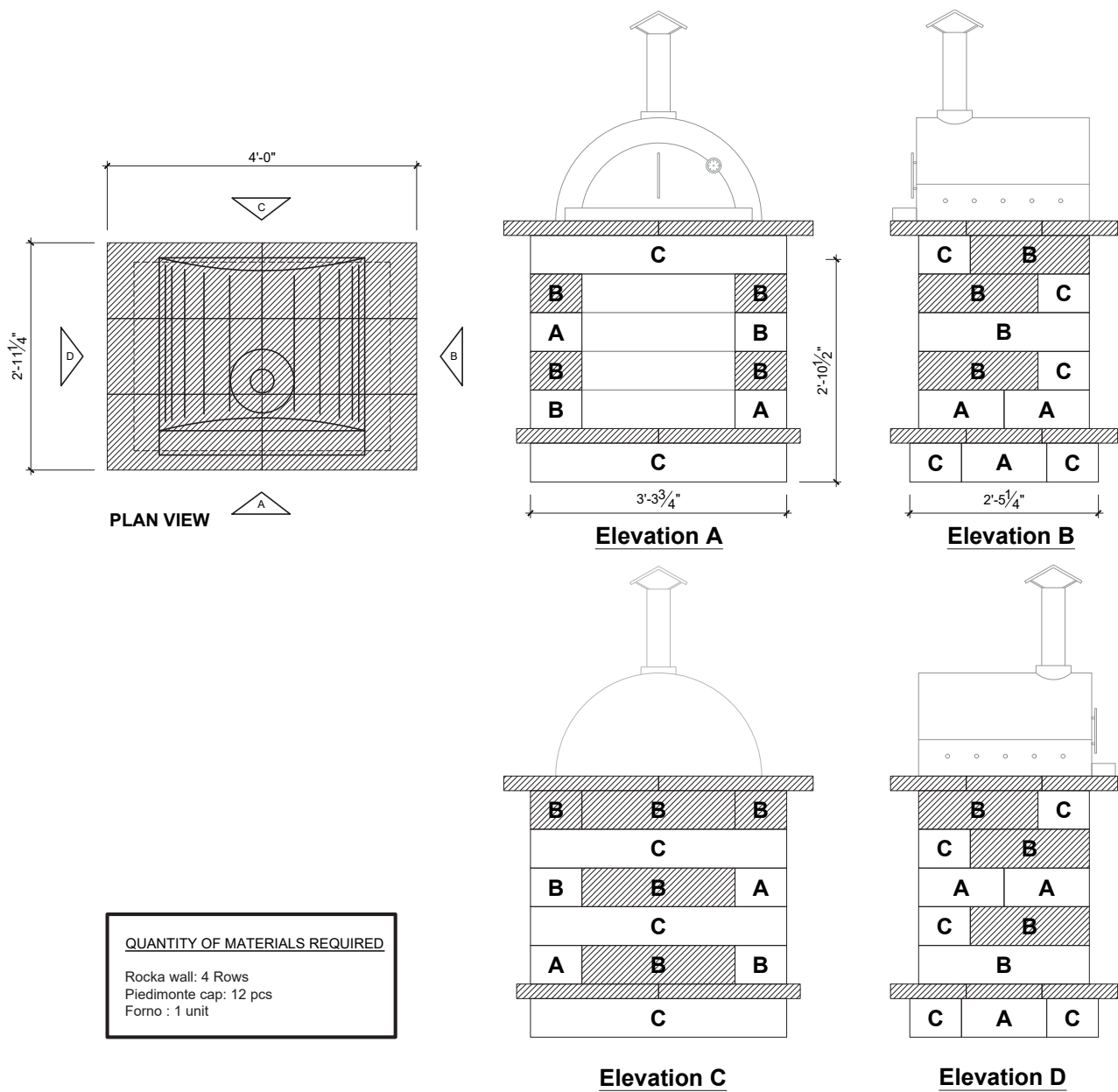
 **CUT UNITS**

ROW-BY-ROW DRAWINGS

OPTION 2



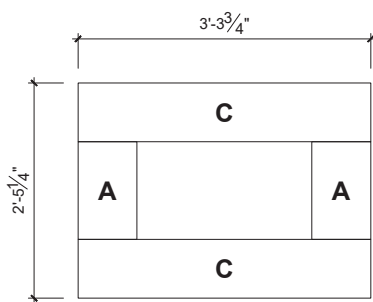
OPTION 2



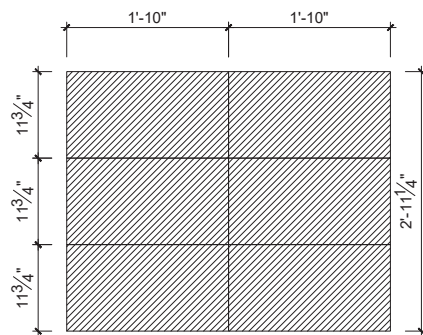
NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

 **CUT UNITS**

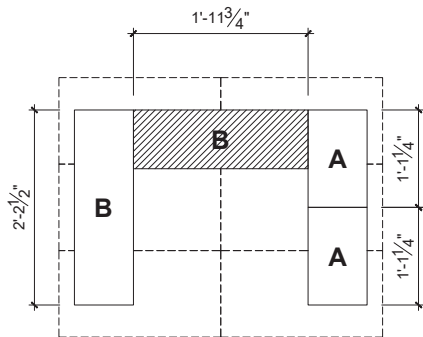
OPTION 2



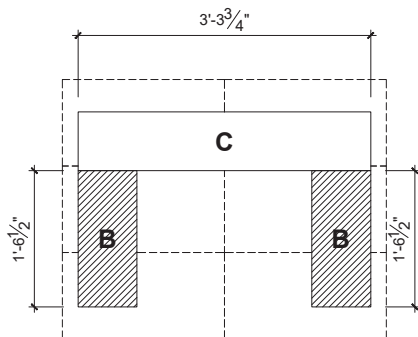
ROW 1



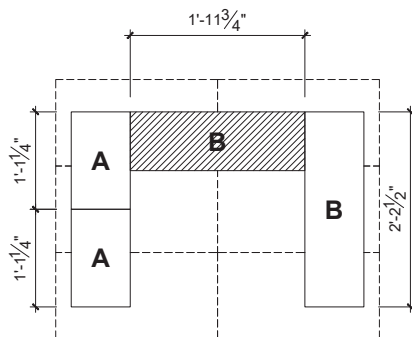
ROW 2 (Piedimonte caps)



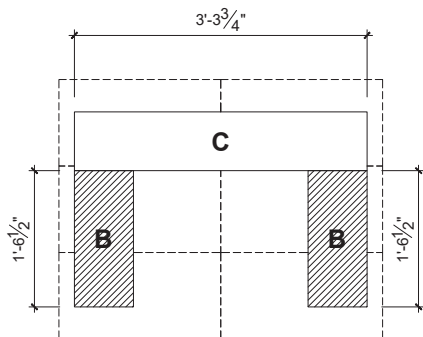
ROW 3



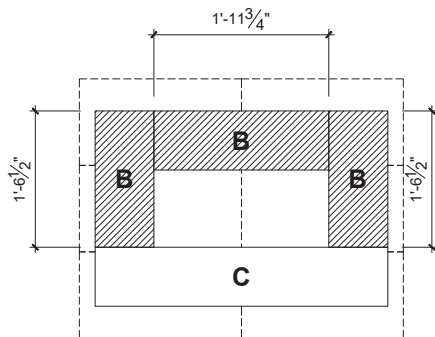
ROW 4



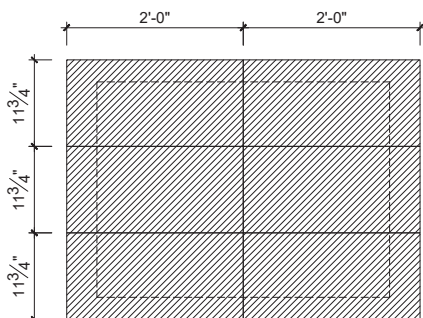
ROW 5



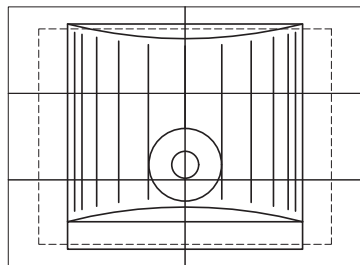
ROW 6



ROW 7



ROW 8



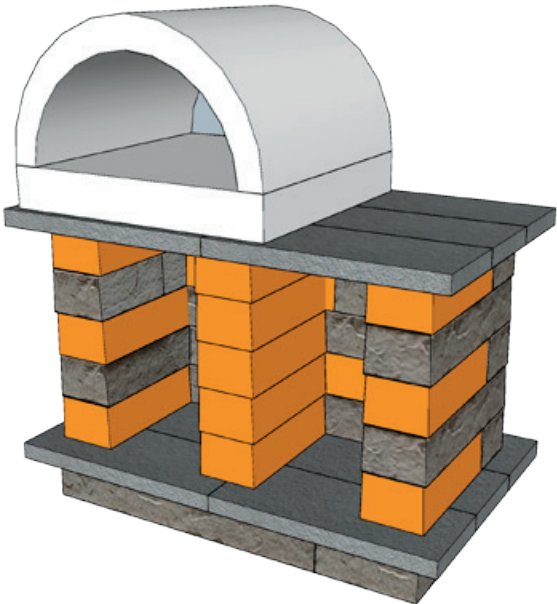
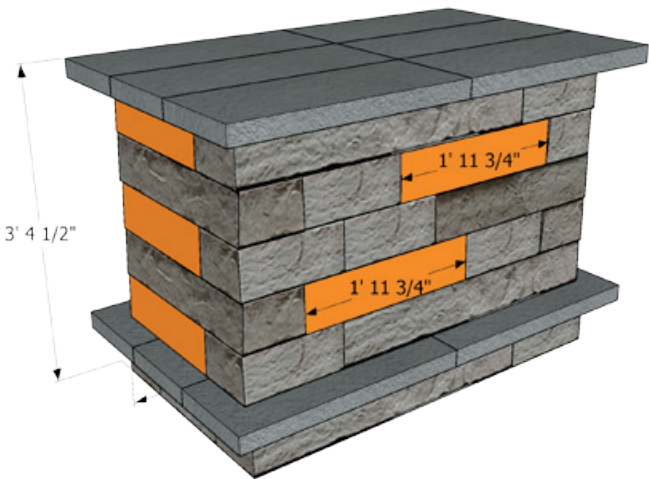
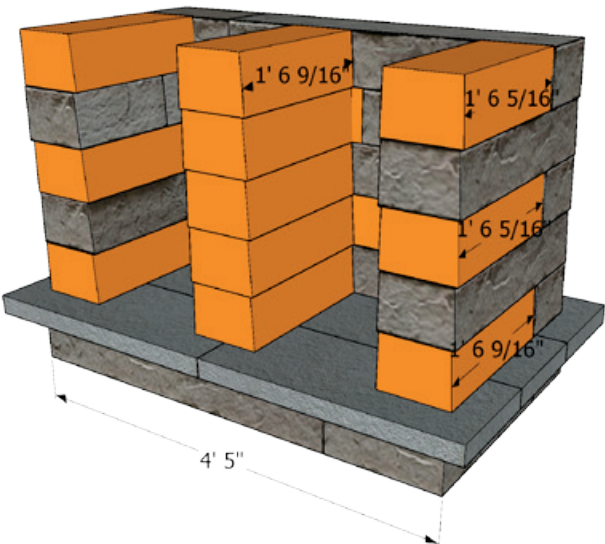
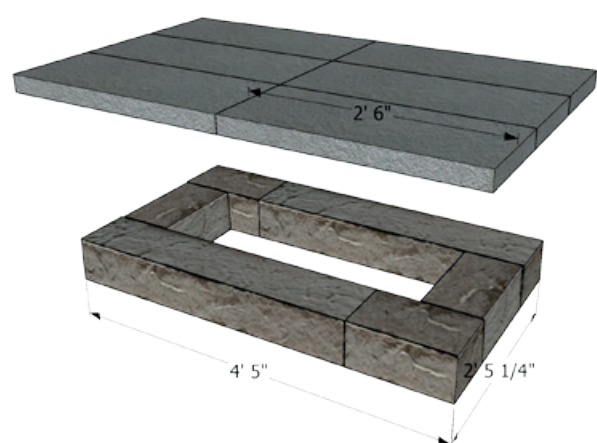
ROW 9 (Forno)

NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.



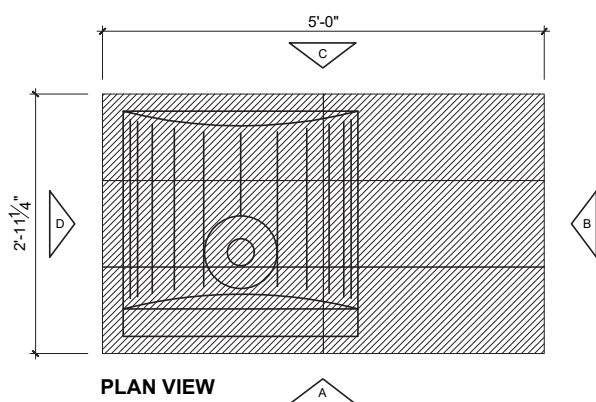
ROW-BY-ROW DRAWINGS

OPTION 3

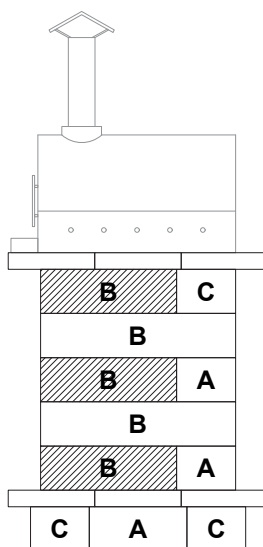


CAD DRAWING

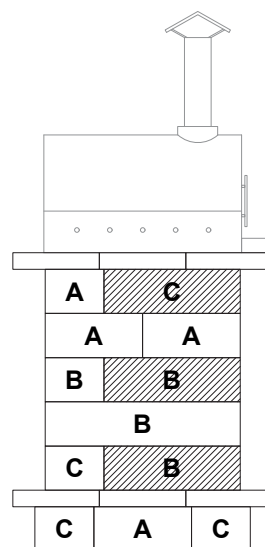
OPTION 3



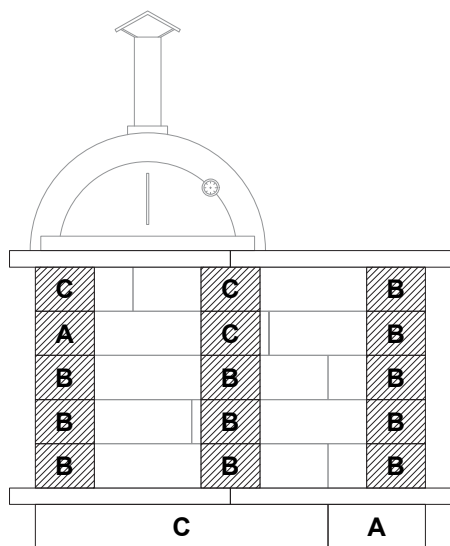
PLAN VIEW



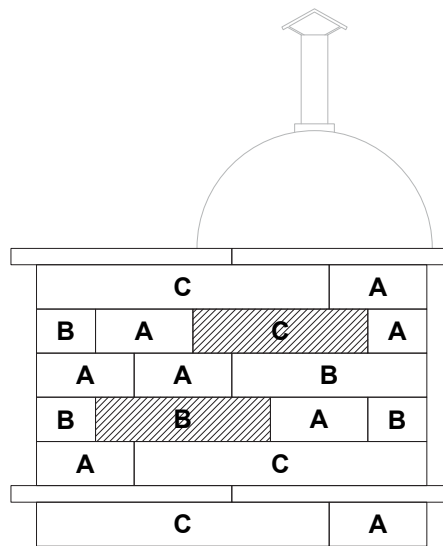
Elevation B



Elevation D



Elevation A



Elevation C

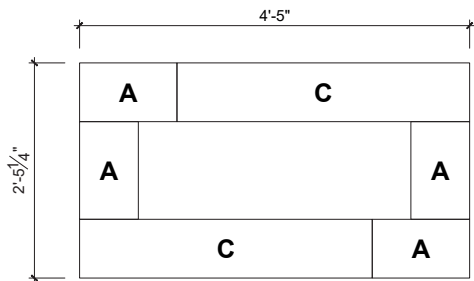
 CUT UNITS

NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

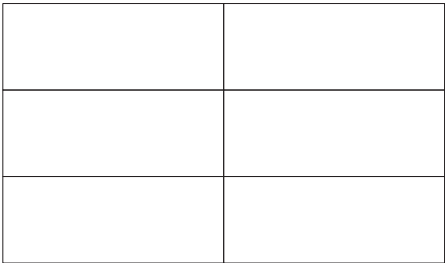
QUANTITY OF MATERIALS REQUIRED

Rocka wall: 5 Rows
Piedimonte cap: 12 pcs
Forno : 1 unit

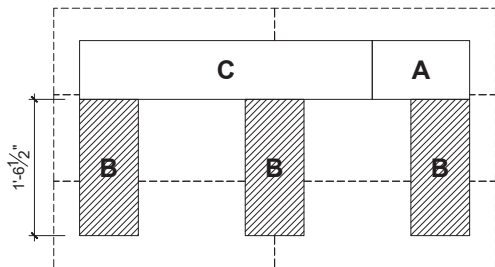
OPTION 3



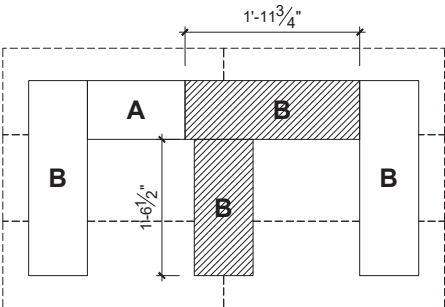
ROW 1



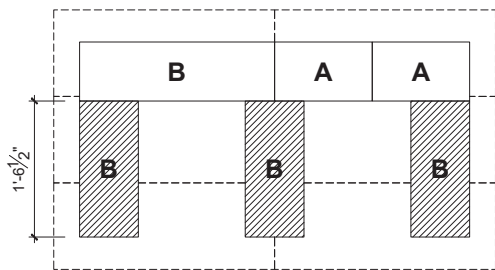
ROW 2 (Piedimonte caps)



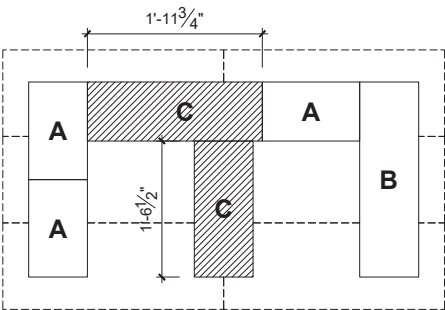
ROW 3



ROW 4



ROW 5



ROW 6

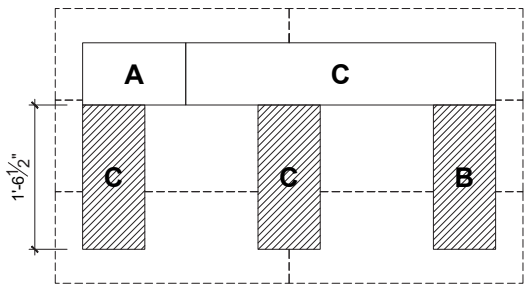
 CUT UNITS

NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

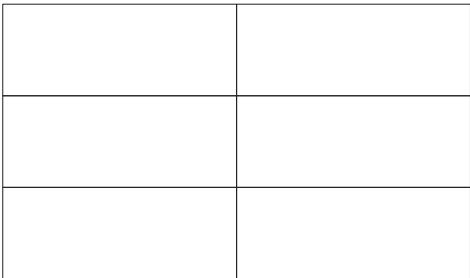
QUANTITY OF MATERIALS REQUIRED

Rocka wall: 5 Rows
Piedimonte cap: 12 pcs
Forno : 1 unit

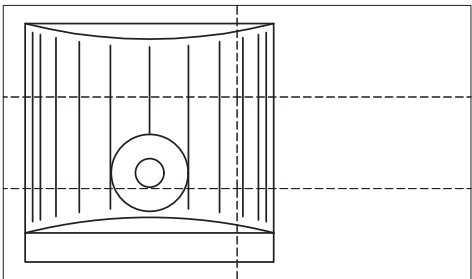
OPTION 3



ROW 7



ROW 8 (Piedimonte caps)



ROW 9 (Forno)

NOTE: Secure the blocks using a concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement should be determined based on site conditions and comply with local code.

QUANTITY OF MATERIALS REQUIRED

Rocka wall: 5 Rows
Piedimonte cap: 12 pcs
Forno : 1 unit

BOREALIS + GRAPHIX WALL FIRE FEATURE / "FIRE PIT" (LENGTH: 5' 4")

Fire features are the most popular upgrade to residential patio projects. This unique blend of smooth and wood-grain textures adds warmth and refinement to any outdoor space.

Build time*: 1 hr

Staff: 2

Total labor hours: 2-3 hr

*excludes base construction



Borealis + Graphix Wall Fire Feature / "Fire Pit"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete) or Synthetic Base	\$_____	_____	\$_____
	ASTM #8 (¼" clean stone) or ASTM C 33 (Washed concrete sand) bedding layer (helpful when leveling large wetcast units)	\$_____	_____	\$_____
	8 units - Borealis Wall	\$_____	_____	\$_____
	4.1 sq.ft. (10 units) - Graphix Wall	\$_____	_____	\$_____
	Warming Trends fabricated pan, selected burners and ignition system	\$_____	_____	\$_____
	Optional windscreen	\$_____	_____	\$_____
	Decorative heat resistant media (glass or lava rock)	\$_____	_____	\$_____
	Pave Tool Quick-E Vents (2.95" height)	\$_____	_____	\$_____
	Flexlock Ultra adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

** Porous concrete mix design: 4 parts aggregate to 1 part Portland cement, mix carefully with just enough water to hydrate the cement, but not create a thick paste. The mix should hold together after being squeezed in your hand and should have a slight shine to it.

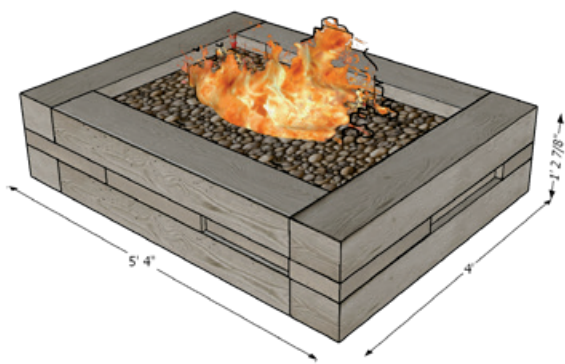
Process

- ☐ Run conduits for gas and electricity (if electric ignition option)
- ☐ With a certified and bonded gas technician, run natural gas or propane line
- ☐ Installation must be approved by local inspector
- ☐ Install selected base material
- ☐ Screed optional bedding layer
- ☐ Install first course of Borealis Wall ensuring units are set square and level
- ☐ Install courses of Graphix Wall, marking and cutting as per plan (smooth faces out to replicate image above)
- ☐ Mark and cut Graphix Wall units to accommodate vents and ignition panel
- ☐ Install final course of Borealis Wall
- ☐ Test fit burner and pan, adjust to fit and support unit using block supports or metal brackets
- ☐ Allow gas technician to connect and test burner system and secure components
- ☐ Adhere units using Flexlock Ultra adhesive (apply in direction of desired air flow)
- ☐ Install decorative media and optional windscreen

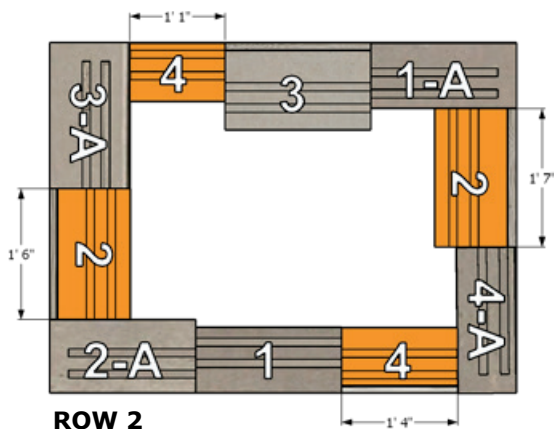


Always consult appliance manufacturer's recommendations regarding cross-ventilation and fuel requirements.

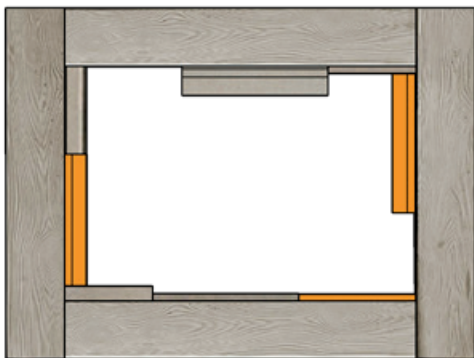
ROW-BY-ROW DRAWINGS



ROW 1

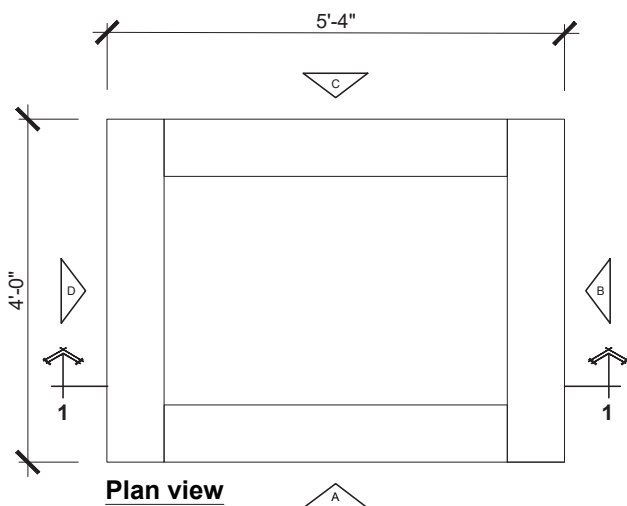


ROW 2

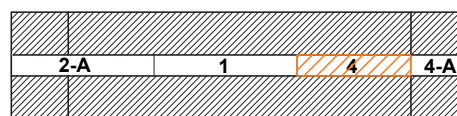


ROW 3

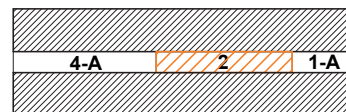
CAD DRAWING



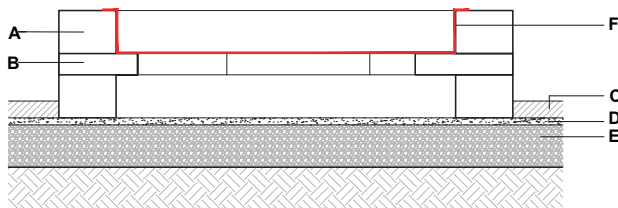
Plan view



Elevation A



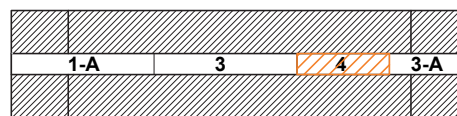
Elevation B



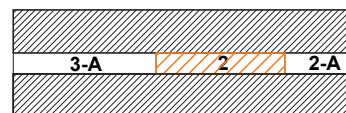
Section 1-1

QUANTITY OF MATERIALS REQUIRED

Graphix wall : 2 Rows
Borealis wall : 2 rows



Elevation C



Elevation D

- A. BOREALIS WALL UNIT
- B. GRAPHIX WALL UNIT, SMOOTH FACE ONLY
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)
- F. CUSTOM PAN BY WARMING TRENDS
 - For Natural gas or Propane burner configurations only.
- G. 2 VENTS REQUIRED FOR CROSS-VENTILATION.
 - Pave Tool Quick-E classic vents available in 2.9" height to match Graphix & 9.75" wide.
 - Recommended location for natural gas application is in the Graphix layer.

NOTE: Secure the blocks using a heat resistant concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

 **CUT UNITS**

RAFFINATO STEP LINEAR FIRE FEATURE / "FIRE PIT" (LENGTH: 9' 4")

The Raffinato Step linear fire feature is a creative addition that is sure to add warmth to any landscape. The design is easy to build, and can be completed within a single day.

Build time*: 2 hr

Staff: 2

Total labor hours: 2-3 hr

*excludes base construction



Raffinato Step Linear feature/"Fire Pit"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or ASTM C-2940	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	9 units Raffinato 60mm Cap or 60mm CPS for embedment	\$_____	_____	\$_____
	12 units Raffinato Step	\$_____	_____	\$_____
	Construction adhesive	\$_____	_____	\$_____
	4 vents (min. 18 in ² vent space required)	\$_____	_____	\$_____
	1x burner	\$_____	_____	\$_____
	1x windscreen	\$_____	_____	\$_____
	Decorative media	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

- ☐ Run conduits for gas and electrical
- ☐ With certified, bonded gas technician, run propane or natural gas line
- ☐ Install heat-resistant drain *if required
- ☐ Appropriate inspector must approve installation prior to backfilling trench
- ☐ Classify, amend and compact soil subgrade — final surface should not have greater variation than $\pm \frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install base (open-graded base: ASTM #57 or dense-graded base: ASTM C-2940) minimum 4"-6" thickness
- ☐ Install 1" leveling bed (open-graded: ASTM #8 or dense-graded: ASTM C-33) *optional
- ☐ Install Concrete Paving Slabs (CPS) for embedment *best practice
- ☐ Mark and cut Raffinato Step units to accomodate ventilation and assembly plan
- ☐ Mechanically install Raffinato Step units as per plan, including manufacturer-recommended cross-ventilation
- ☐ Apply appropriate construction adhesive between units *high temperature-resistant when applicable
- ☐ Trial fit of burner in fire feature opening, evaluate need for internal burner supports (block supports or metal brackets)
- ☐ With certified, bonded gas technician, connect burner to gas line
- ☐ Install windscreen and decorative media (lava rock, glass, etc.)



Always consult manufacturer's recommendations regarding cross-ventilation requirements.

ROW-BY-ROW DRAWINGS



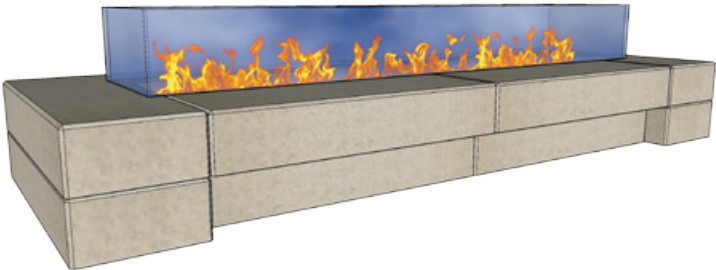
Row 1



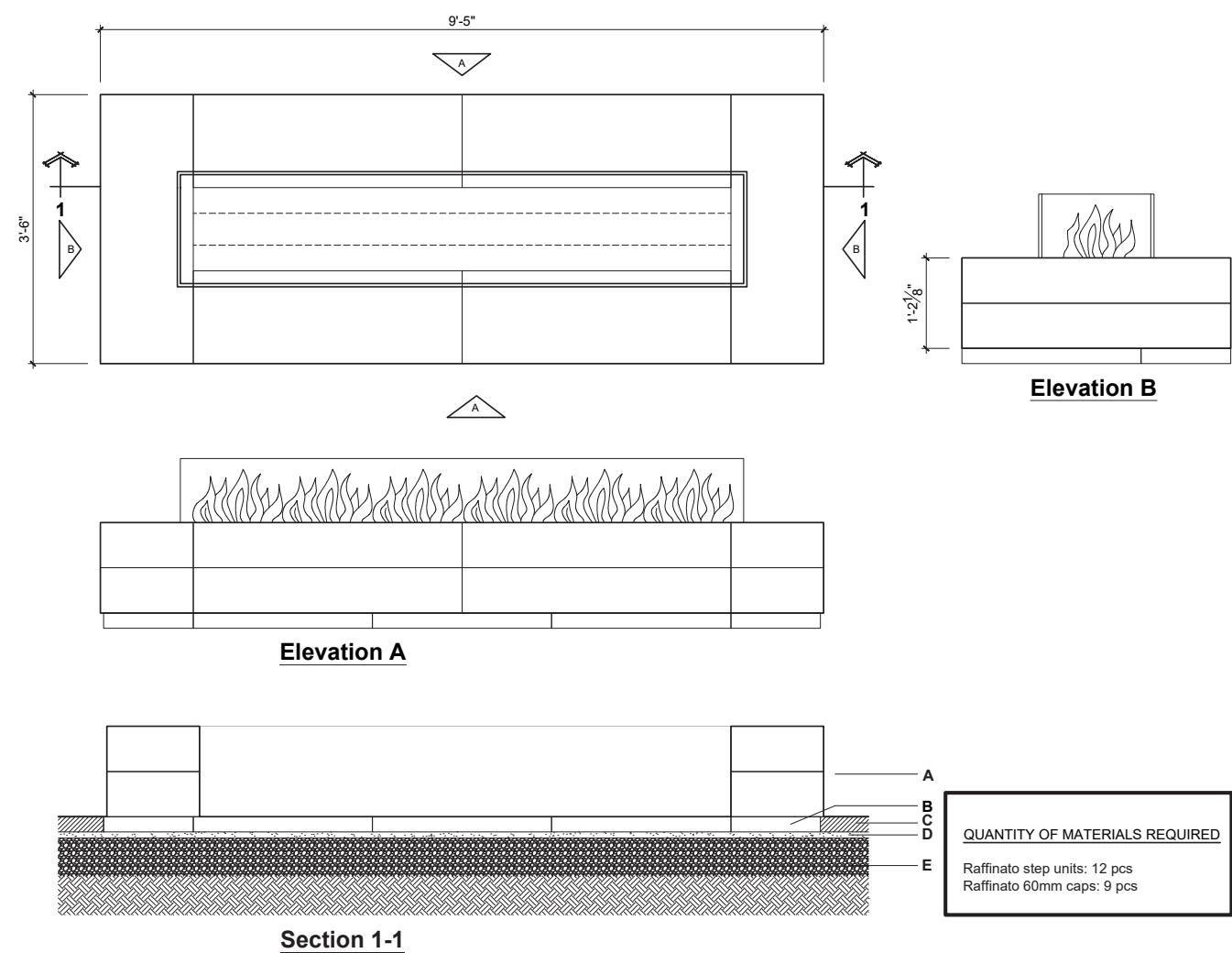
Row 2



Row 3



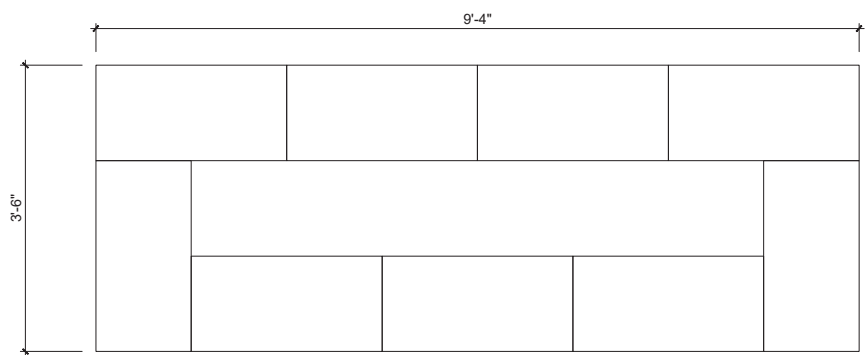
CAD DRAWING



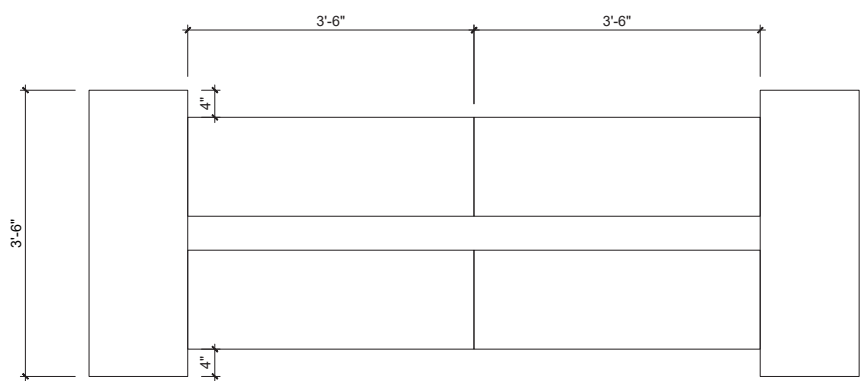
- A. RAFFINATO STEP UNIT
B. RAFFINATO 60MM CAP AS THE BASE
C. TECO-BLOC PAVERS OR SLABS
D. SETTING BED 1" (25 mm)
E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

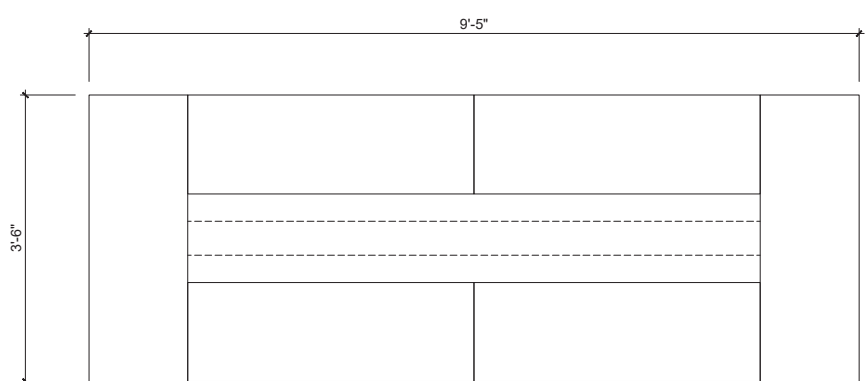
CAD DRAWING



ROW 1 (BASE) RAFFINATO 60mm CAPS



ROW 2 (4" Toe kick)



ROW 3

GRAPHIX WALL FIRE FEATURE / "FIRE PIT" (LENGTH: 4' 6 3/4")

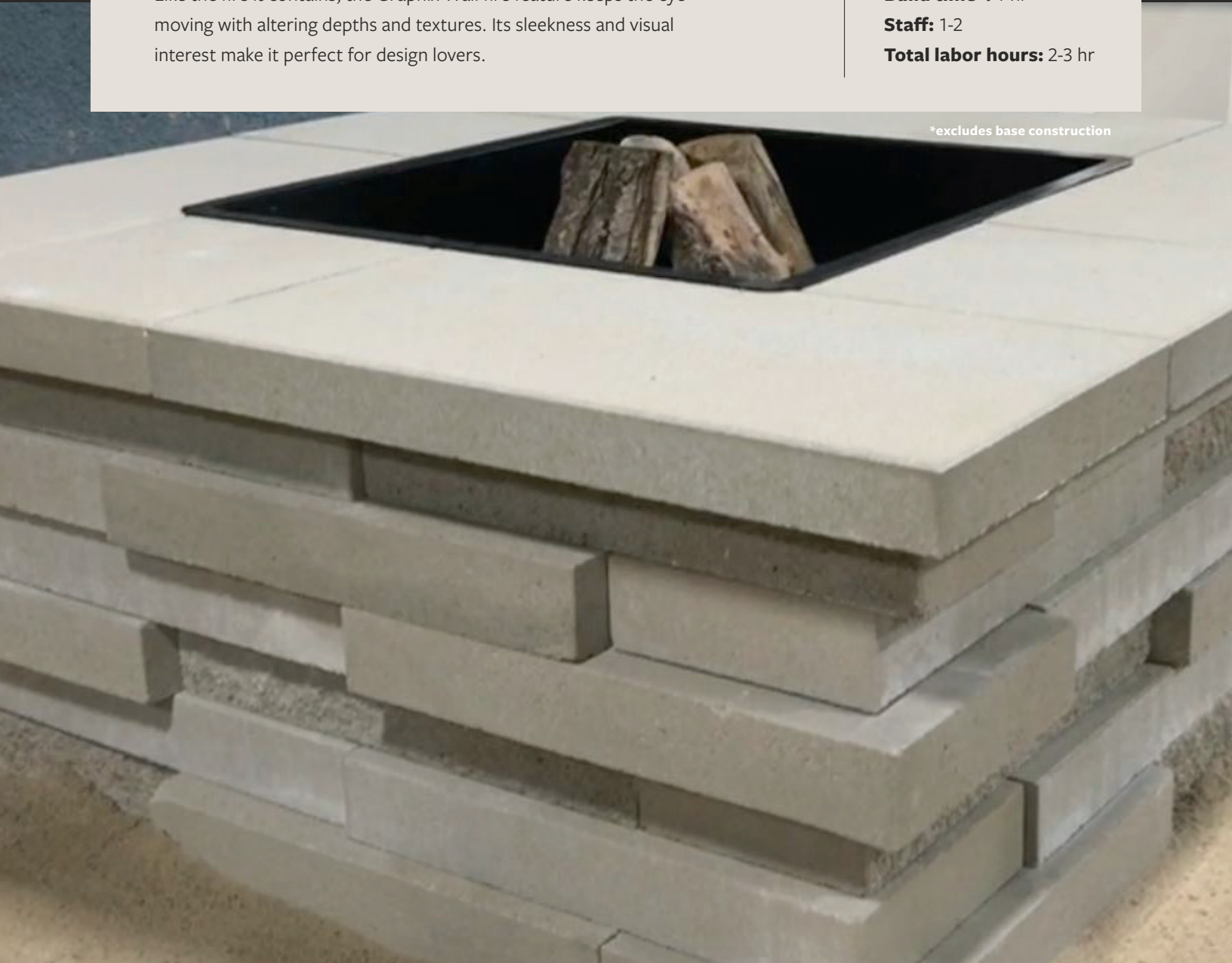
Like the fire it contains, the Graphix Wall fire feature keeps the eye moving with altering depths and textures. Its sleekness and visual interest make it perfect for design lovers.

Build time*: 1 hr

Staff: 1-2

Total labor hours: 2-3 hr

*excludes base construction



Graphix wall Fire Feature / "Fire Pit"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or ASTM C-2940	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	1 pallet Graphix Wall	\$_____	_____	\$_____
	2 rows Graphix or Raffinato 60mm Cap	\$_____	_____	\$_____
	Construction adhesive	\$_____	_____	\$_____
	4 vents (min. 18 in ² vent space required)	\$_____	_____	\$_____
	1x burner	\$_____	_____	\$_____
	1x windscreen	\$_____	_____	\$_____
	Decorative media	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

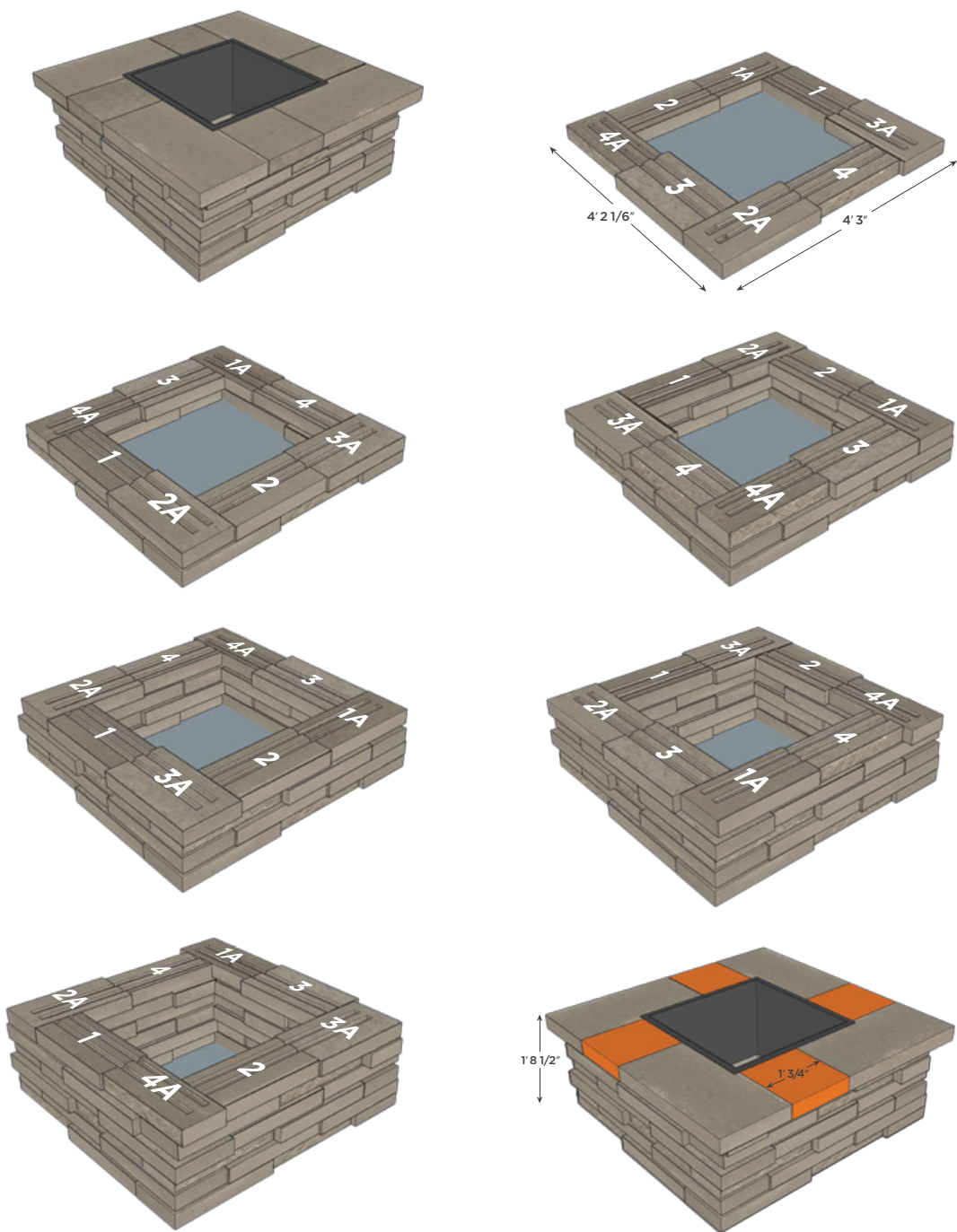
Process

- ☐ Run conduits for gas and electrical
- ☐ With certified, bonded gas technician, run propane or natural gas line *omit if wood-burning
- ☐ Install heat-resistant drain *if required
- ☐ Appropriate inspector must approve installation prior to backfilling trench *omit if wood-burning
- ☐ Classify, Amend & Compact soil subgrade. Final surface should not have greater variation than +/- $\frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install base (open-graded base: ASTM #57 or dense-graded base: ASTM C-2940) minimum 4"-6" thickness
- ☐ Install 1" leveling bed (open-graded: ASTM #8 or dense-graded: ASTM C-33) *optional
- ☐ Install Concrete Paving Slabs (CPS) for embedment *best practice
- ☐ Assemble fire feature using Graphix Wall block, as per plan
- ☐ Mark and cut blocks to accommodate manufacturer-recommended cross-ventilation *omit if wood-burning
- ☐ Apply appropriate construction adhesive between units *high temperature-resistant when applicable
- ☐ Trial fit of burner in fire feature opening, evaluate need for internal burner supports (block supports or metal brackets) *omit if wood-burning
- ☐ Insert heat-resistant steel liner or fire brick if wood-burning
- ☐ With certified, bonded gas technician, connect burner to gas line *omit if wood-burning
- ☐ Install windscreen and decorative media (lava rock, glass, etc.) *omit if wood-burning

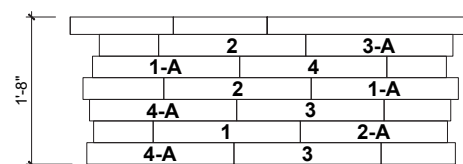
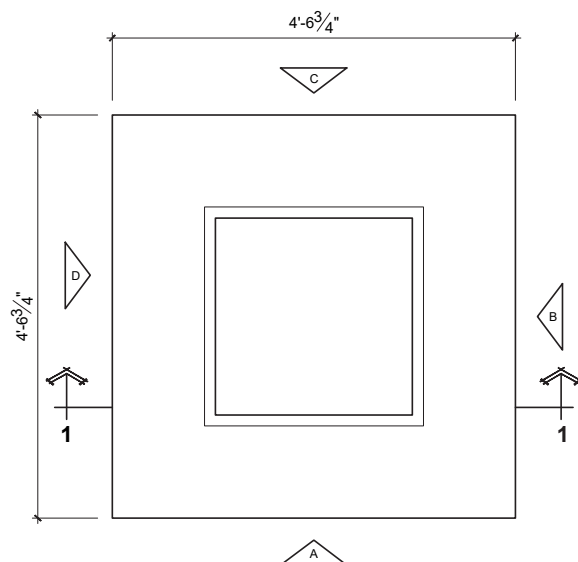


Always consult manufacturer's recommendations regarding cross-ventilation requirements.

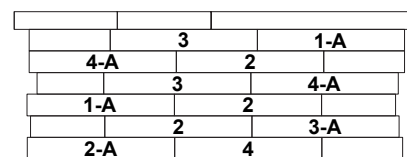
ROW-BY-ROW DRAWINGS



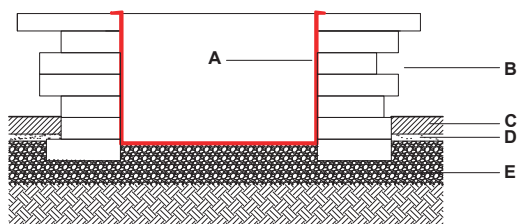
CAD DRAWING



Elevation A



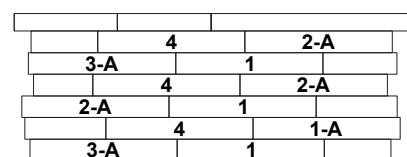
Elevation B



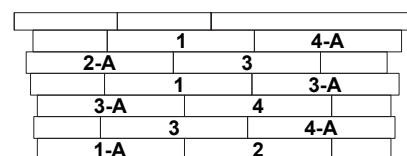
Section 1-1

QUANTITY OF MATERIALS REQUIRED

Graphix wall unit: 1 PAL



Elevation C

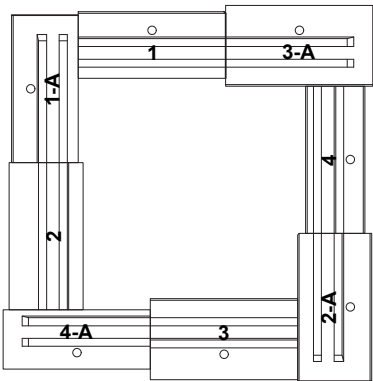


Elevation D

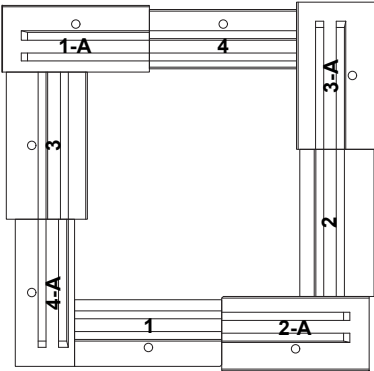
- A. STEEL BOX INSERT
- B. GRAPHIX WALL UNIT
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

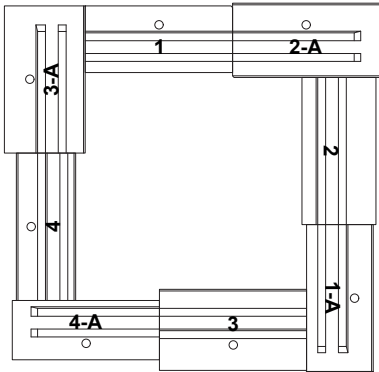
CAD DRAWING



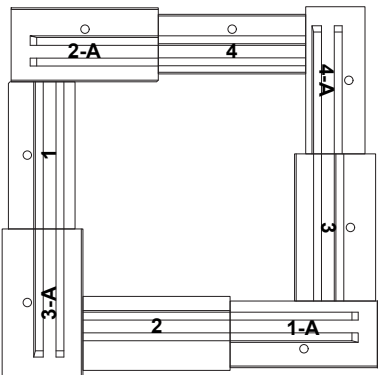
ROW 1



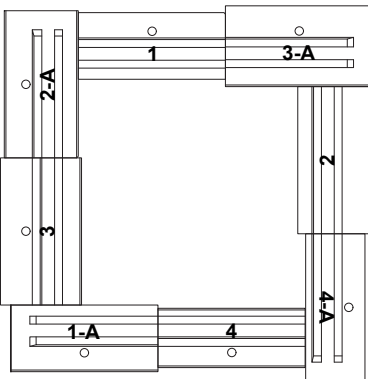
ROW 2



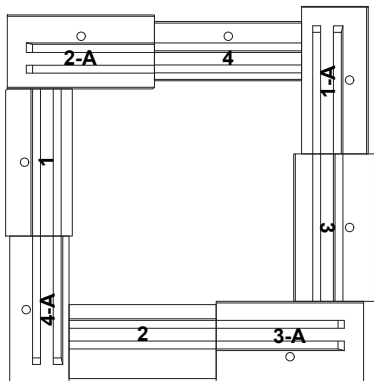
ROW 3



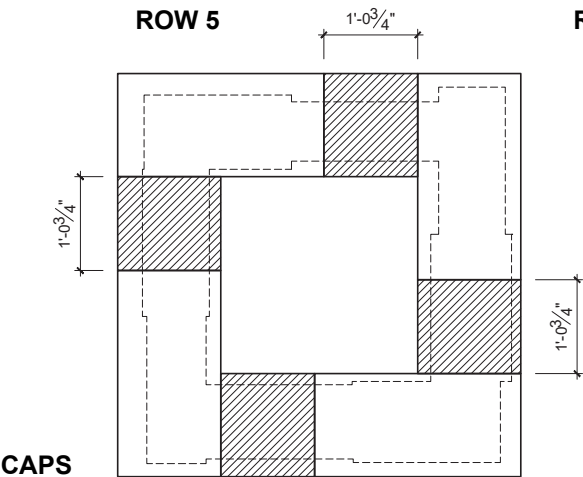
ROW 4



ROW 5



ROW 6



BOREALIS FIREPIT

FIRE FEATURE / "FIRE PIT"

The counter-intuitive look of wood framing in a blazing fire is one that is sure to set any landscape project apart. Give your customers the perfect focal point to settle in for a cozy evening in the outdoors.

Build time*: 1 hr

Staff: 1-2

Total labor hours: 2-3 hr

*excludes base construction



Borealis "Fire Pit"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	Geotextile	\$_____	_____	\$_____
	Open or Dense-graded base material	\$_____	_____	\$_____
	1 pallet of Borealis Wall	\$_____	_____	\$_____
	Flexlock Ultra Adhesive	\$_____	_____	\$_____
	*if wood-burning: Fire Brick or Heat-Resistant Steel Sleeve/Insert (to line interior walls)	\$_____	_____	\$_____
	High Temperature Resistant Adhesive (if using fire brick)	\$_____	_____	\$_____
	**if Natural Gas or Liquid Propane: 2 Ventilation Grills (or as otherwise specified by burner supplier)	\$_____	_____	\$_____
	1 burner & supporting pan	\$_____	_____	\$_____
	1 Windscreen (optional)	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

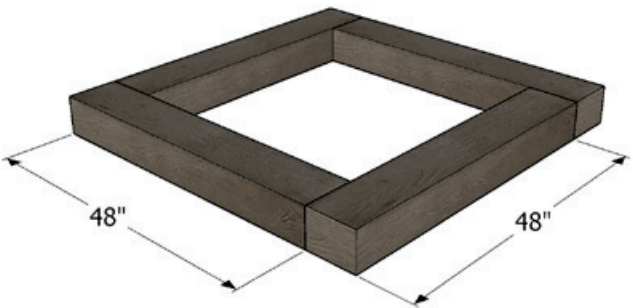
- ☐ Run conduits for gas and electrical
- ☐ With certified, bonded gas technician, run propane or natural gas line *omit if wood-burning
- ☐ Install heat-resistant drain *if required
- ☐ Appropriate inspector must approve installation prior to backfilling trench *omit if wood-burning
- ☐ Classify, Amend & Compact soil subgrade. Final surface should not have greater variation than +/- $\frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install base (open-graded base: ASTM #57 or dense-graded base: ASTM C-2940) minimum 4"-6" thickness
- ☐ Install 1" leveling bed (open-graded: ASTM #8 or dense-graded: ASTM C-33) *optional
- ☐ Install Concrete Paving Slabs (CPS) for embedment *best practice, but optional
- ☐ Assemble fire feature using Borealis Wall block, as per plan
- ☐ Mark and cut blocks to accommodate manufacturer-recommended cross-ventilation *omit if wood-burning
- ☐ Apply appropriate construction adhesive between units *high temperature-resistant when applicable
- ☐ Trial fit of burner in fire feature opening, evaluate need for internal burner supports (block supports or metal brackets) *omit if wood-burning
- ☐ Insert heat-resistant steel liner or fire brick if wood-burning
- ☐ With certified, bonded gas technician, connect burner to gas line *omit if wood-burning
- ☐ Install windscreen and decorative media (lava rock, glass, etc.) *omit if wood-burning



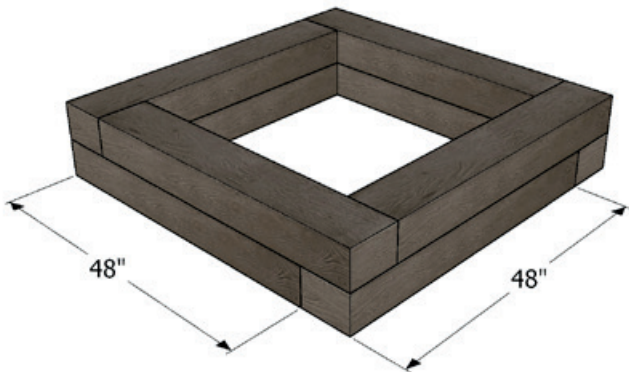
Always consult manufacturer's recommendations regarding cross-ventilation requirements.

ROW-BY-ROW DRAWINGS

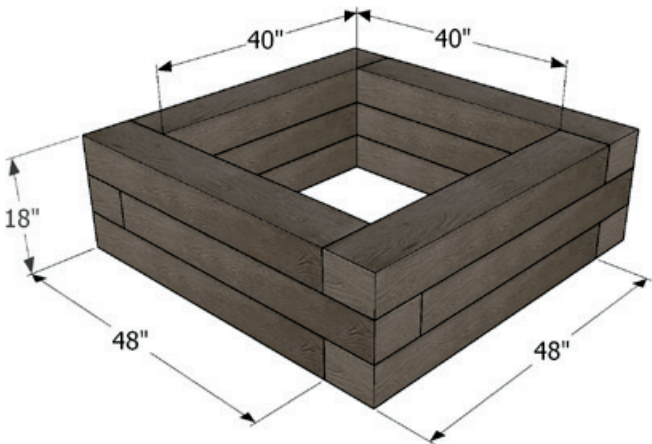
SQUARE



ROW 1



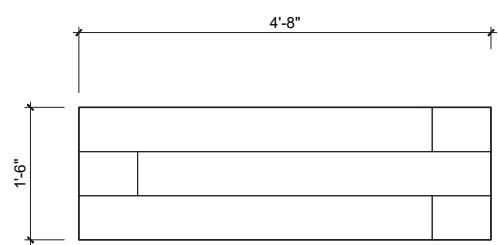
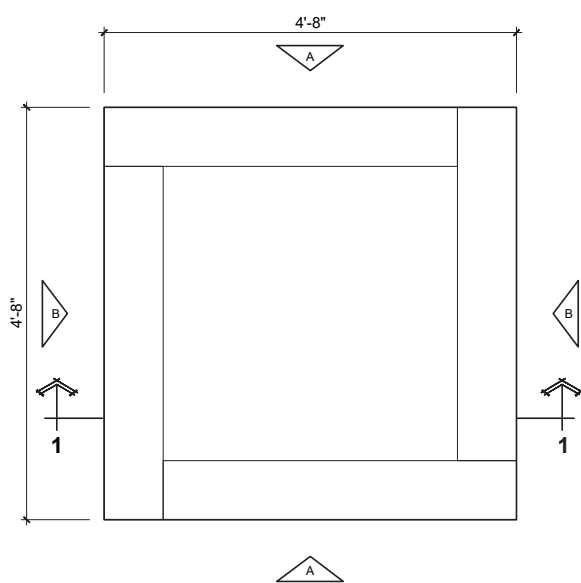
ROW 2



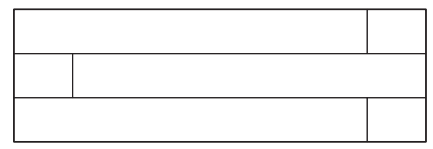
ROW 3

CAD DRAWING

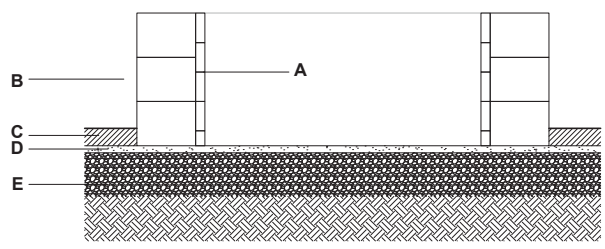
SQUARE



Elevation A



Elevation B



Section 1-1

QUANTITY OF MATERIALS REQUIRED

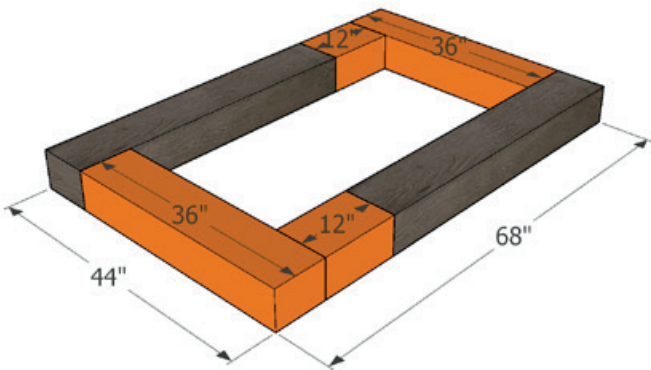
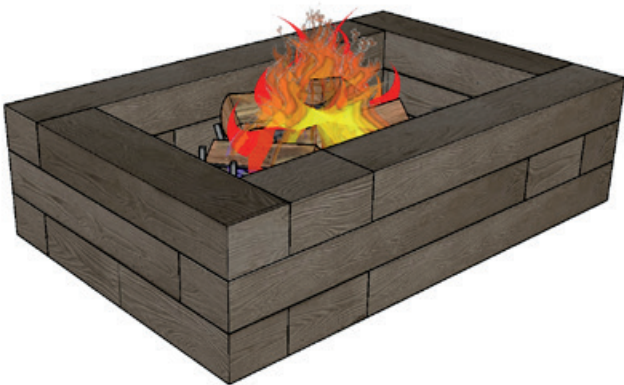
Borealis wall unit: 12 pcs

- A. REFRACTORY BRICK
- B. BOREALIS 6" WALL UNIT
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

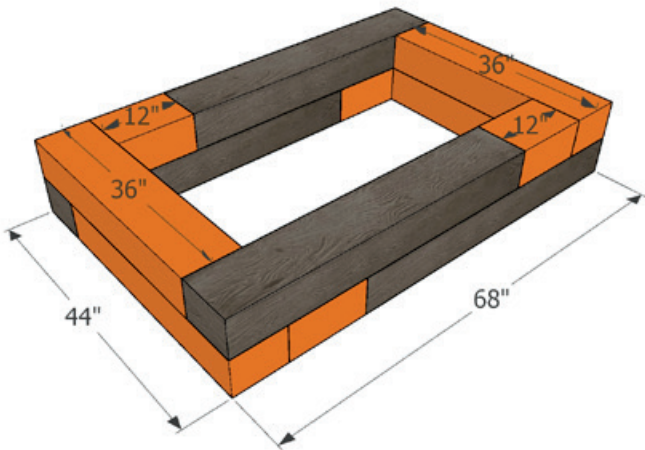
NOTE: Secure the blocks using concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

ROW-BY-ROW DRAWINGS

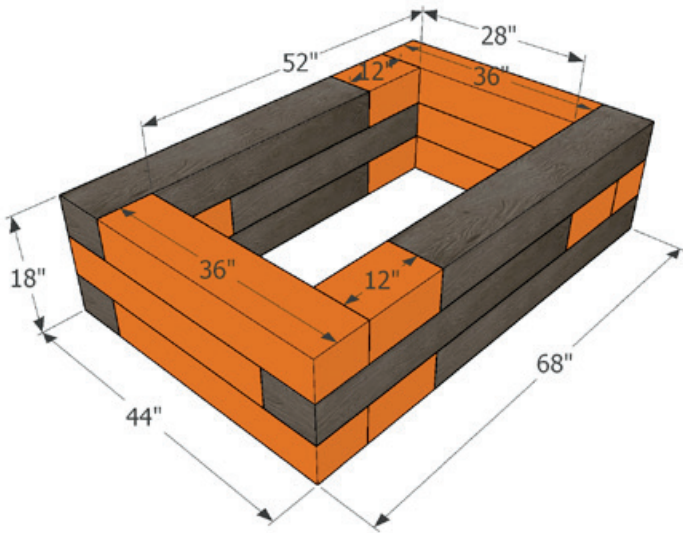
RECTANGULAR



ROW 1

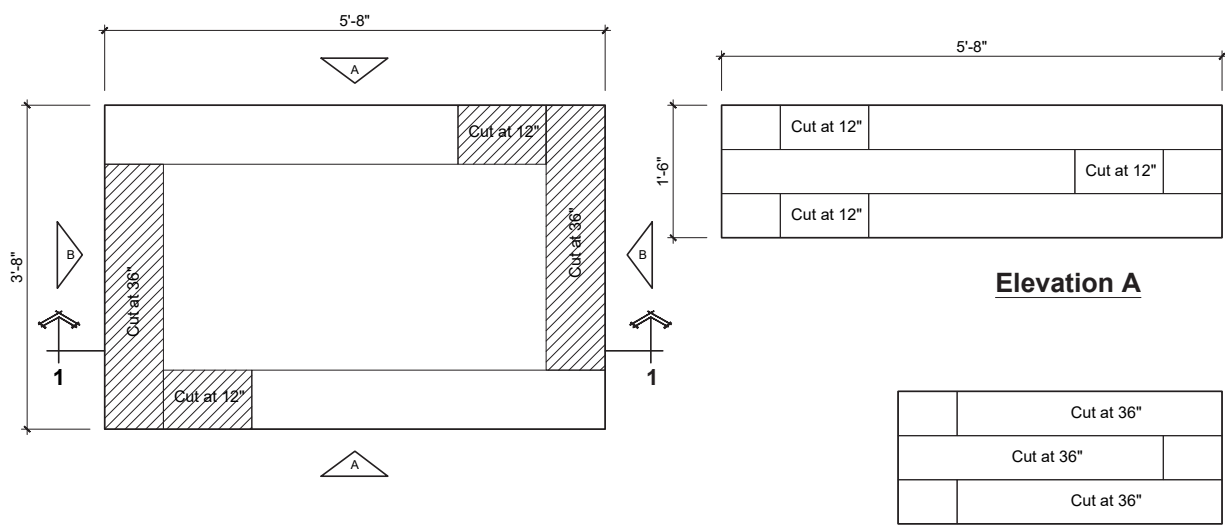


ROW 2

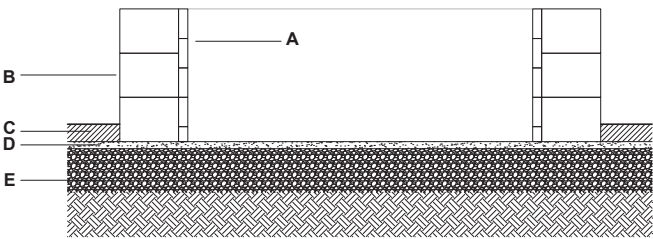


ROW 3

RECTANGULAR



QUANTITY OF MATERIALS REQUIRED
Borealis wall unit: 12 pcs



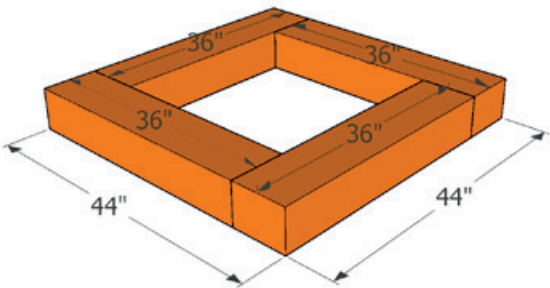
Section 1-1

- A. REFRACTORY BRICK
- B. BOREALIS 6" WALL UNIT
- C. TECHO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

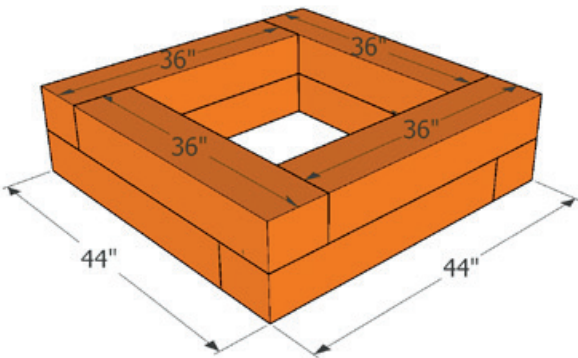
NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

ROW-BY-ROW DRAWINGS

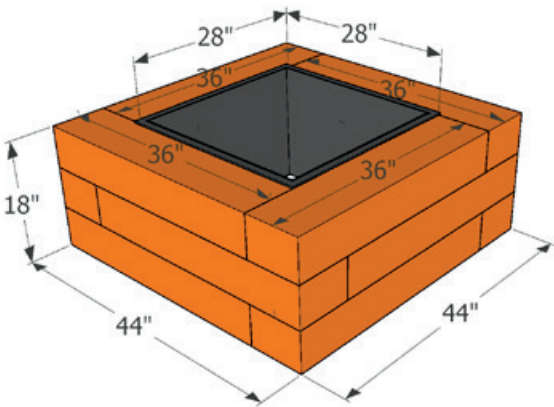
USING SQUARE HEAT-RESISTANT SLEEVE



ROW 1

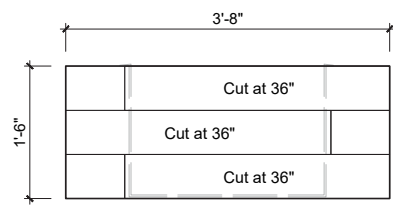
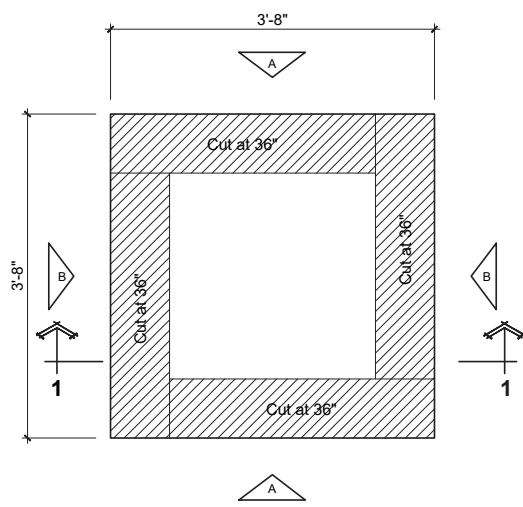


ROW 2

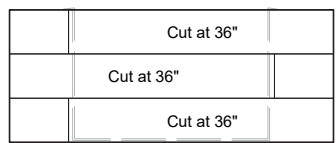


ROW 3

USING SQUARE
HEAT-RESISTANT
SLEEVE

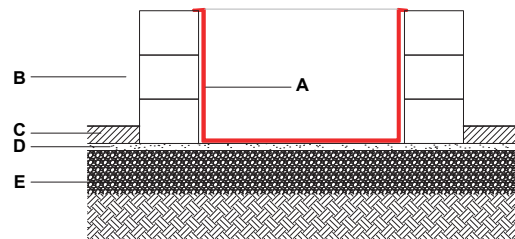


Elevation A



Elevation B

QUANTITY OF MATERIALS REQUIRED
Borealis wall unit: 16 (1 pallet)



Section 1-1

- A. STEEL BOX INSERT
- B. BOREALIS 6" WALL UNIT
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

RÖCKA FIREPIT

FIRE FEATURE / "FIRE PIT"

The stack stone appearance of Röcka Wall is perfect to create a warm and inviting fire feature for homeowners to enjoy year round.

Build time*: 1 hr

Staff: 1-2

Total labor hours: 2-3 hr

*excludes base construction



Röcka "Fire Pit"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	Geotextile	\$_____	_____	\$_____
	Open or Dense-graded base material	\$_____	_____	\$_____
	1 pallet of Röcka Wall	\$_____	_____	\$_____
	Flexlock Ultra Adhesive	\$_____	_____	\$_____
	*if wood-burning: Fire Brick or Heat-Resistant Steel Sleeve/Insert (to line interior walls)	\$_____	_____	\$_____
	High Temperature Resistant Adhesive (if using fire brick)	\$_____	_____	\$_____
	**if Natural Gas or Liquid Propane: 2 Ventilation Grills (or as otherwise specified by burner supplier)	\$_____	_____	\$_____
	1 burner & supporting pan	\$_____	_____	\$_____
	1 Windscreen (optional)	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

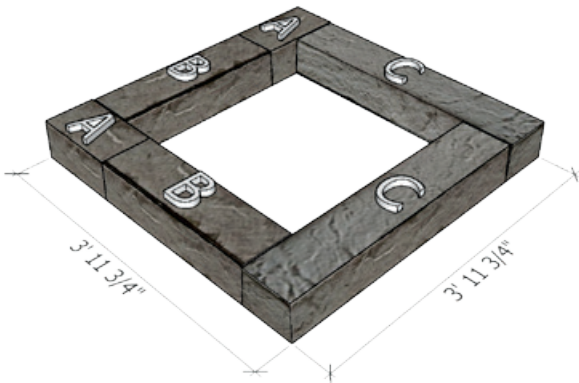
- ☐ Run conduits for gas and electrical
- ☐ With certified, bonded gas technician, run propane or natural gas line *omit if wood-burning
- ☐ Install heat-resistant drain *if required
- ☐ Appropriate inspector must approve installation prior to backfilling trench *omit if wood-burning
- ☐ Classify, Amend & Compact soil subgrade. Final surface should not have greater variation than +/- $\frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install base (open-graded base: ASTM #57 or dense-graded base: ASTM C-2940) minimum 4"-6" thickness
- ☐ Install 1" leveling bed (open-graded: ASTM #8 or dense-graded: ASTM C-33) *optional
- ☐ Install Concrete Paving Slabs (CPS) for embedment *best practice
- ☐ Assemble fire feature using Röcka Wall block, as per plan
- ☐ Mark and cut blocks to accommodate manufacturer-recommended cross-ventilation *omit if wood-burning
- ☐ Apply appropriate construction adhesive between units *high temperature-resistant when applicable
- ☐ Trial fit of burner in fire feature opening, evaluate need for internal burner supports (block supports or metal brackets) *omit if wood-burning
- ☐ Insert heat-resistant steel liner or fire brick if wood-burning
- ☐ With certified, bonded gas technician, connect burner to gas line *omit if wood-burning
- ☐ Install windscreen and decorative media (lava rock, glass, etc.) *omit if wood-burning



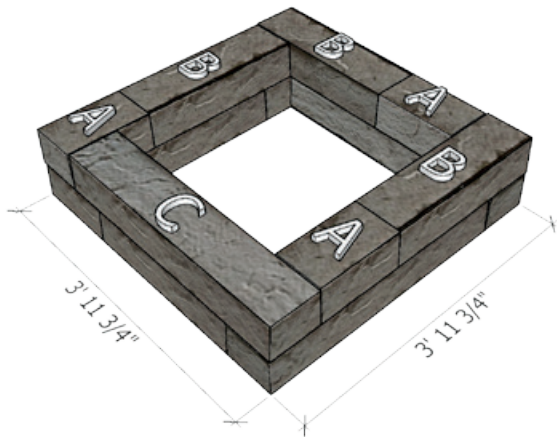
Always consult manufacturer's recommendations regarding cross-ventilation requirements.

ROW-BY-ROW DRAWINGS

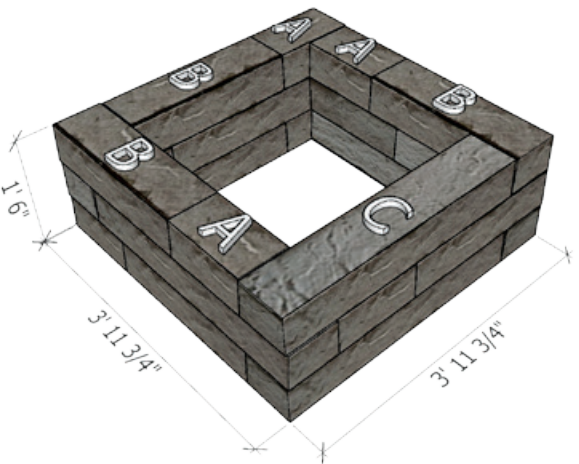
SQUARE



ROW 1

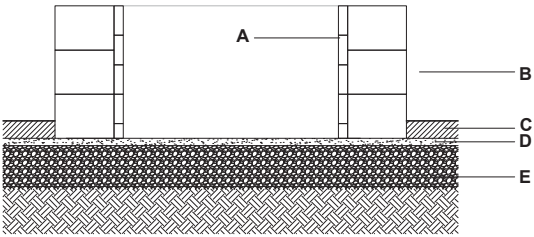
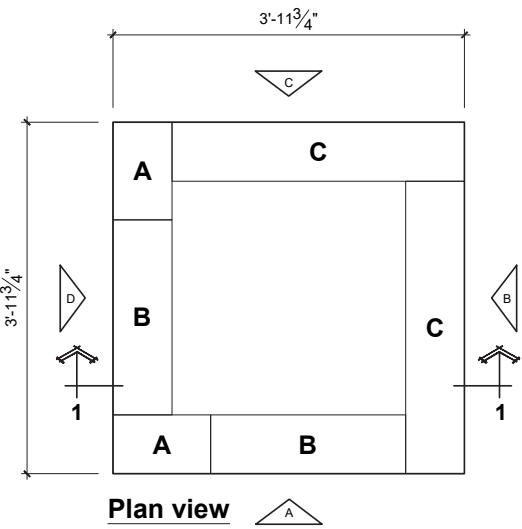


ROW 2



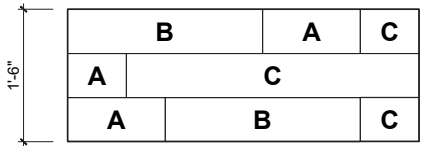
ROW 3

SQUARE

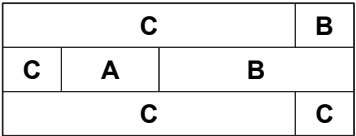


Section 1-1

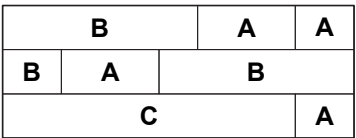
QUANTITY OF MATERIALS REQUIRED
Rocka wall units: 1 PAL



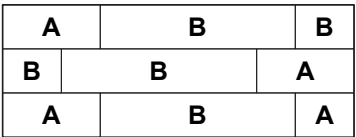
Elevation A



Elevation B



Elevation C



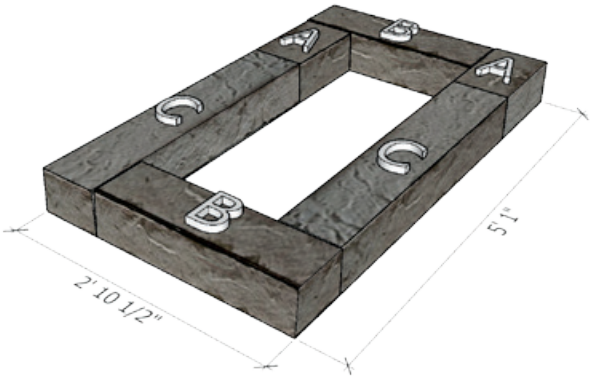
Elevation D

- A. REFRACTORY BRICK
- B. ROCKA WALL UNITS
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

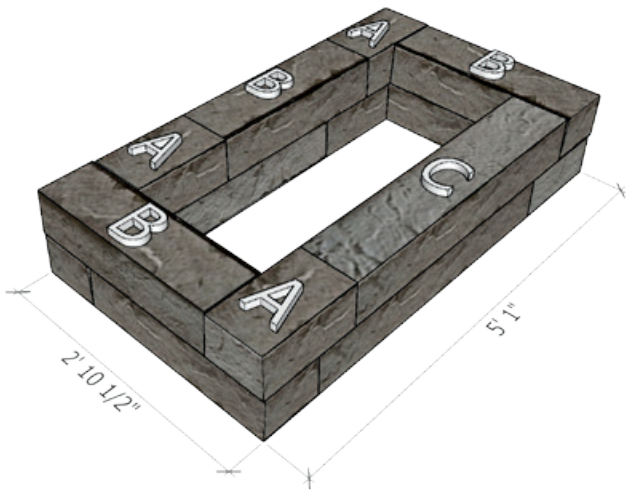
NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

ROW-BY-ROW DRAWINGS

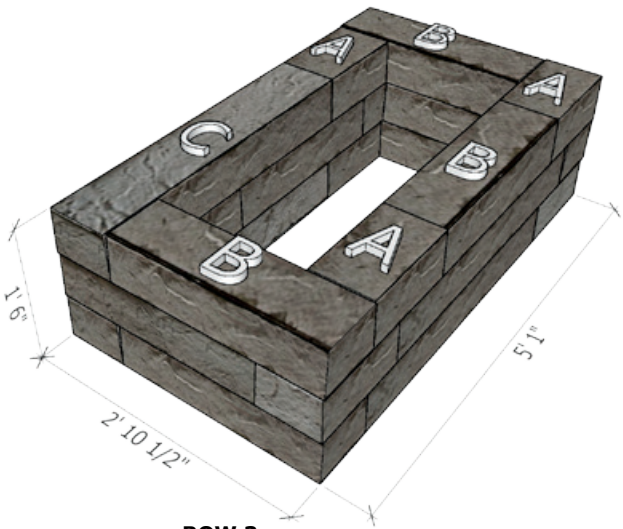
RECTANGULAR



ROW 1

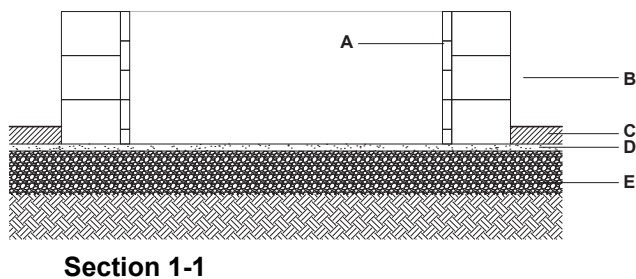
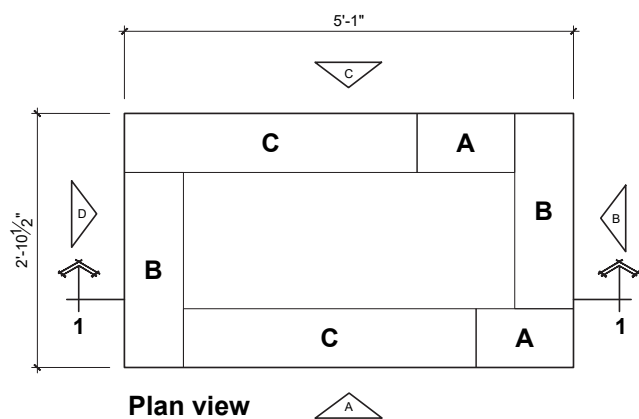


ROW 2

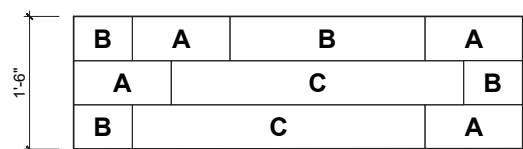


ROW 3

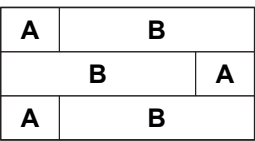
RECTANGULAR



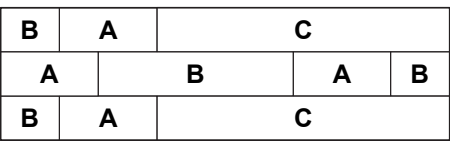
QUANTITY OF MATERIALS REQUIRED
Rocka wall units: 1 PAL



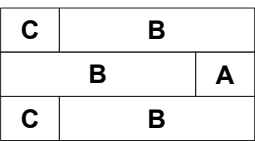
Elevation A



Elevation B



Elevation C



Elevation D

- A. REFRACTORY BRICK
- B. ROCKA WALL UNITS
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

TRAVERTINA FIREPIT FIRE FEATURE / "FIRE PIT"

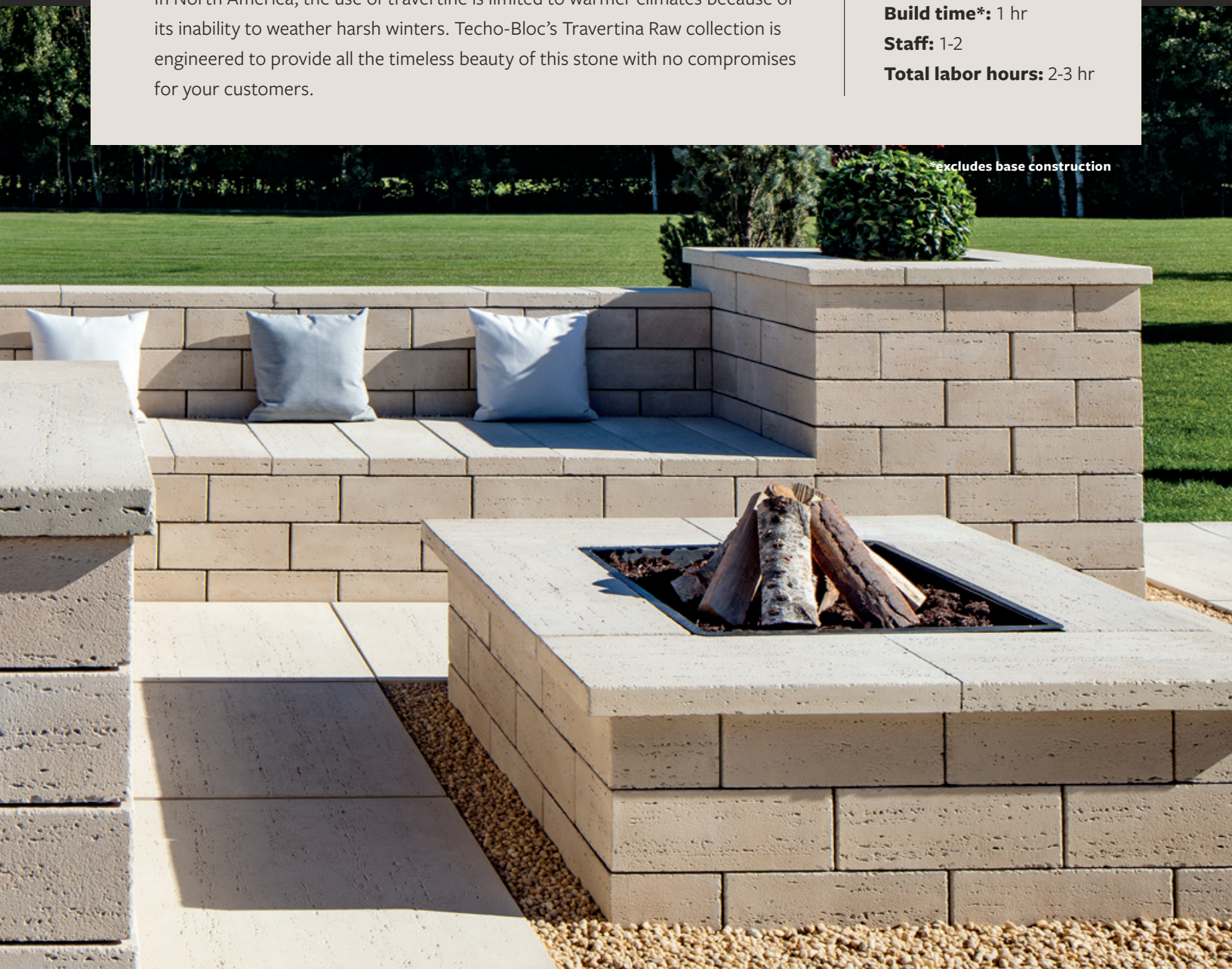
In North America, the use of travertine is limited to warmer climates because of its inability to weather harsh winters. Techo-Bloc's Travertina Raw collection is engineered to provide all the timeless beauty of this stone with no compromises for your customers.

Build time*: 1 hr

Staff: 1-2

Total labor hours: 2-3 hr

*excludes base construction



Raffinato Step Linear feature/"Fire Pit"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	Geotextile	\$_____	_____	\$_____
	Open or Dense-graded base material	\$_____	_____	\$_____
	1 pallet and 1 row of Travertina Wall Corner Units	\$_____	_____	\$_____
	2 rows of Travertina Raw 12"x30" Cap	\$_____	_____	\$_____
	Flexlock Ultra Adhesive	\$_____	_____	\$_____
	*if wood-burning: Fire Brick or Heat-Resistant Steel Sleeve/Insert (to line interior walls)	\$_____	_____	\$_____
	High Temperature Resistant Adhesive (if using fire brick)	\$_____	_____	\$_____
	**if Natural Gas or Liquid Propane: 2 Ventilation Grills (or as otherwise specified by burner supplier)	\$_____	_____	\$_____
	1 burner & supporting pan	\$_____	_____	\$_____
	1 Windscreen (optional)	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

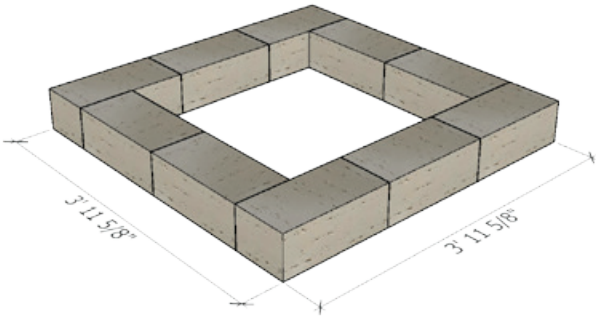
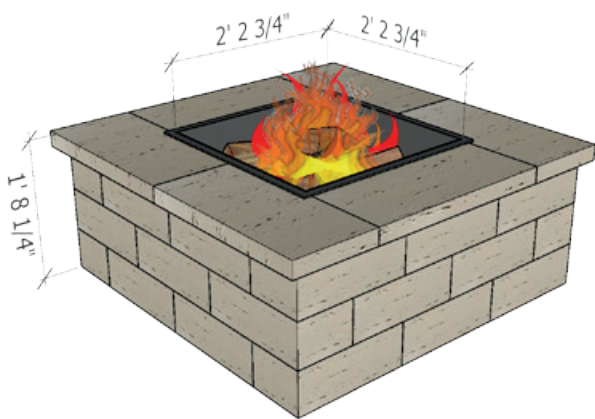
- ☐ Run conduits for gas and electrical
- ☐ With certified, bonded gas technician, run propane or natural gas line *omit if wood-burning
- ☐ Install heat-resistant drain *if required
- ☐ Appropriate inspector must approve installation prior to backfilling trench *omit if wood-burning
- ☐ Classify, Amend & Compact soil subgrade. Final surface should not have greater variation than +/- $\frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install base (open-graded base: ASTM #57 or dense-graded base: ASTM C-2940) minimum 4"-6" thickness
- ☐ Install 1" leveling bed (open-graded: ASTM #8 or dense-graded: ASTM C-33) *optional
- ☐ Install Concrete Paving Slabs (CPS) for embedment *best practice
- ☐ Assemble fire feature using Travertina Wall block, as per plan
- ☐ Mark and cut blocks to accommodate manufacturer-recommended cross-ventilation *omit if wood-burning
- ☐ Apply appropriate construction adhesive between units *high temperature-resistant when applicable
- ☐ Trial fit of burner in fire feature opening, evaluate need for internal burner supports (block supports or metal brackets) *omit if wood-burning
- ☐ Insert heat-resistant steel liner or fire brick if wood-burning
- ☐ With certified, bonded gas technician, connect burner to gas line *omit if wood-burning
- ☐ Install windscreen and decorative media (lava rock, glass, etc.) *omit if wood-burning



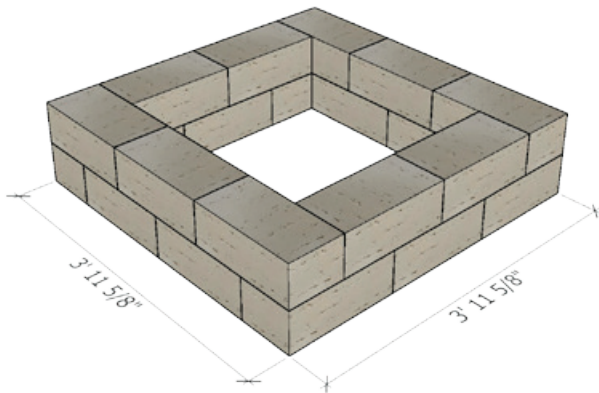
Always consult manufacturer's recommendations regarding cross-ventilation requirements.

ROW-BY-ROW DRAWINGS

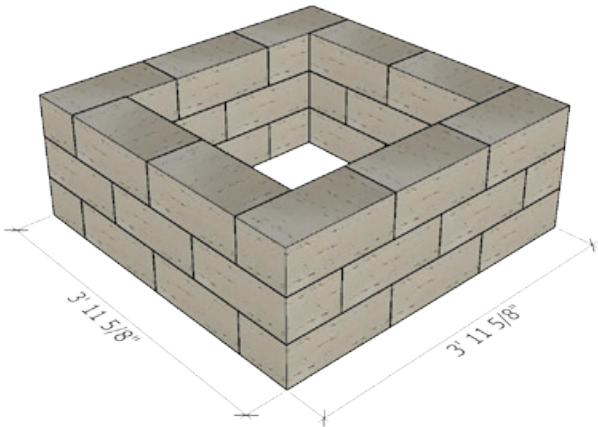
SQUARE



ROW 1



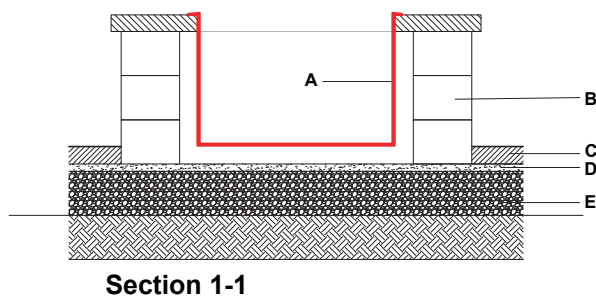
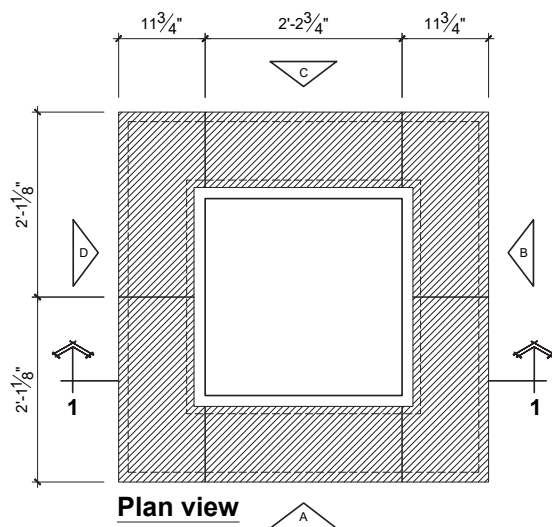
ROW 2



ROW 3

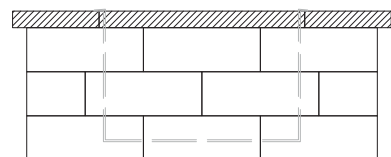
CAD DRAWING

SQUARE

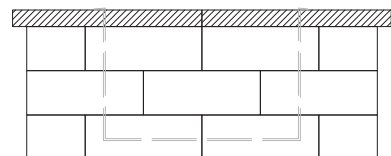


QUANTITY OF MATERIALS REQUIRED

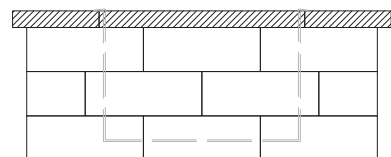
Travertina Raw Corner units: 30 Pcs
Travertina Raw Cap unit: 6 Pcs



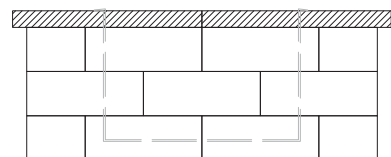
Elevation A



Elevation B



Elevation C



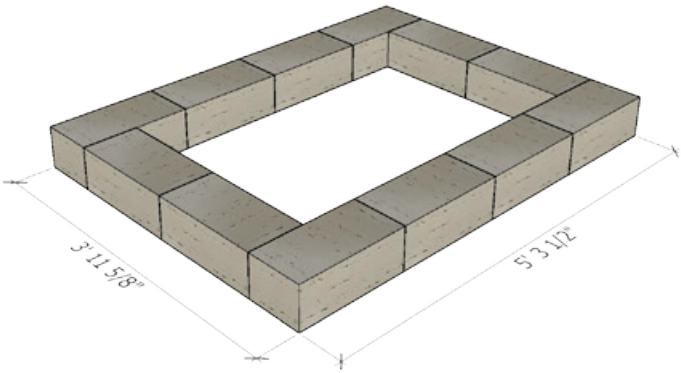
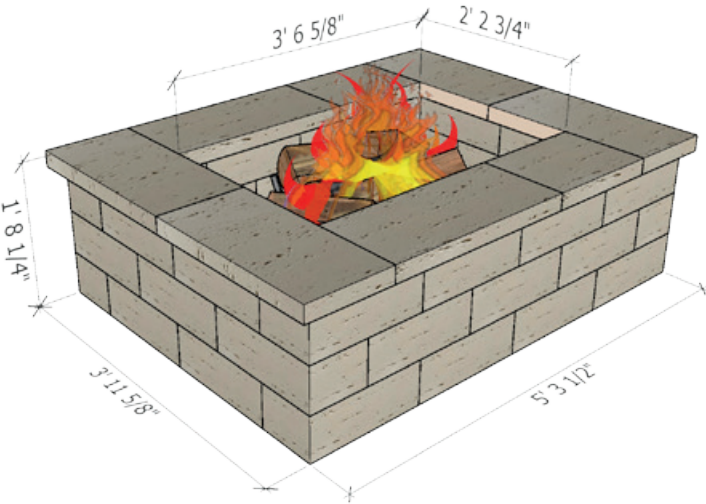
Elevation D

- A. STEEL BOX INSERT
- B. TRAVERTINA RAW CORNER UNIT
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

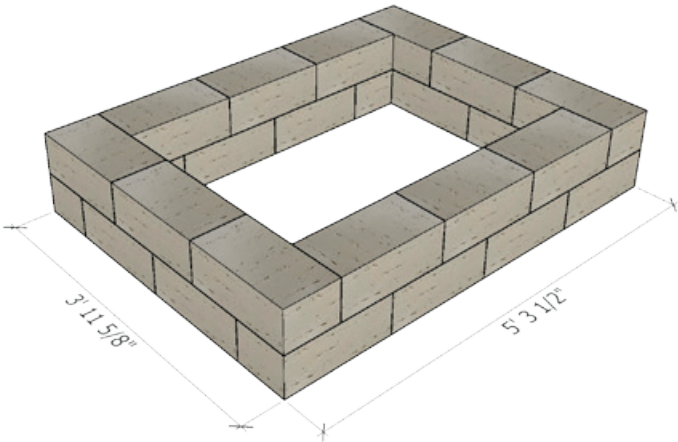
NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

ROW-BY-ROW DRAWINGS

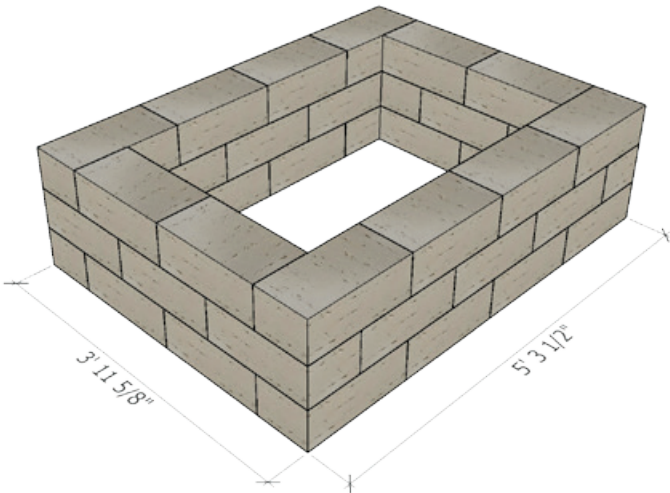
RECTANGULAR



ROW 1

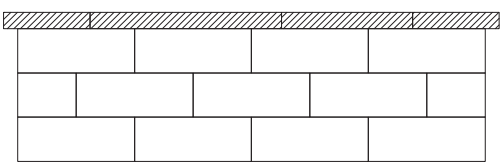
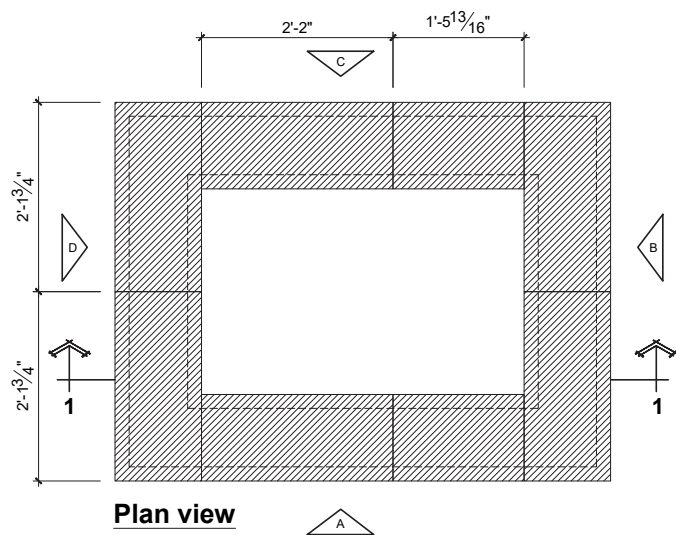


ROW 2

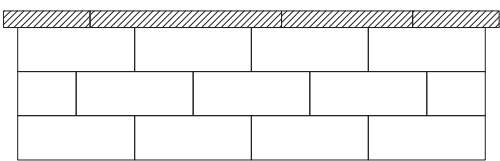


ROW 3

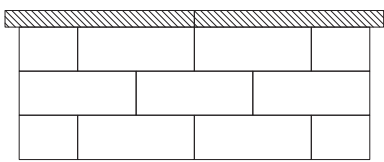
RECTANGULAR



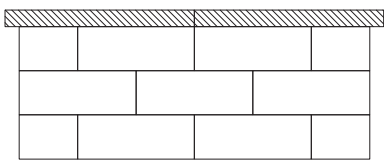
Elevation A



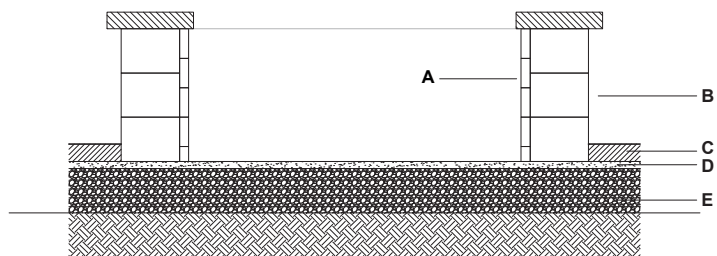
Elevation B



Elevation C



Elevation D



Section 1-1

QUANTITY OF MATERIALS REQUIRED

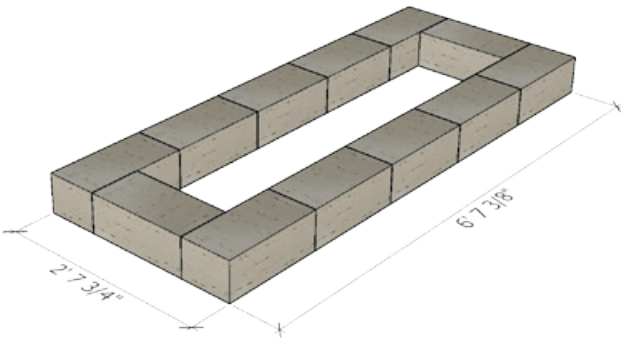
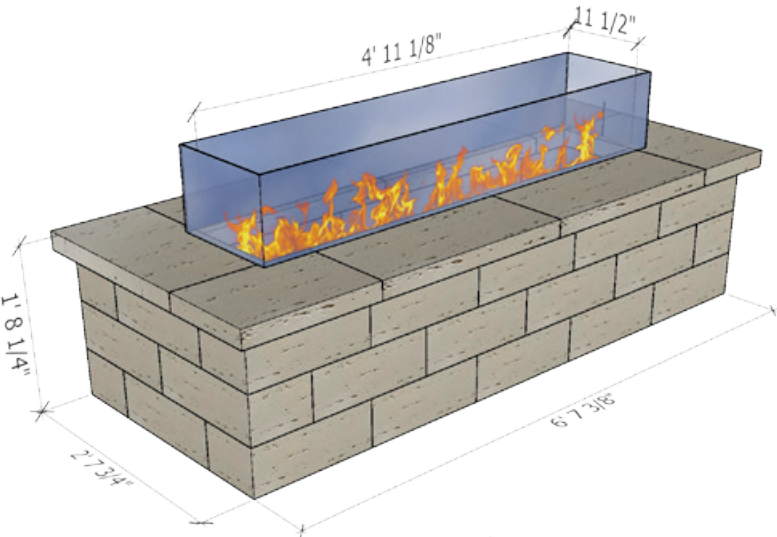
Travertina Raw Corner units: 3 Rows
Travertina Raw Cap unit: 2 Rows

- A. REFRACTORY BRICK
- B. TRAVERTINA RAW CORNER UNIT
- C. TECHO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

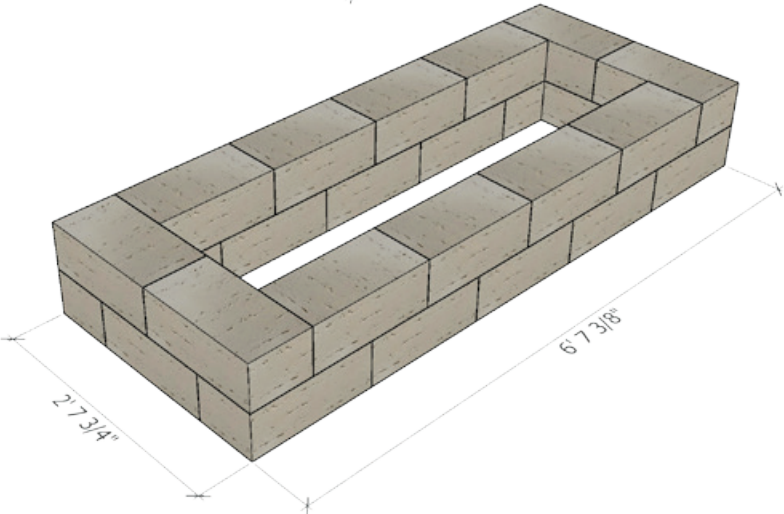
NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

ROW-BY-ROW DRAWINGS

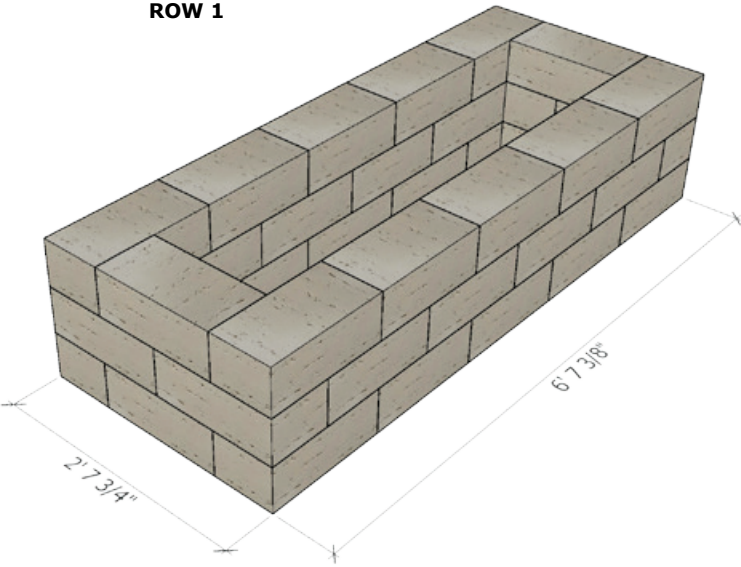
LINEAR



ROW 1

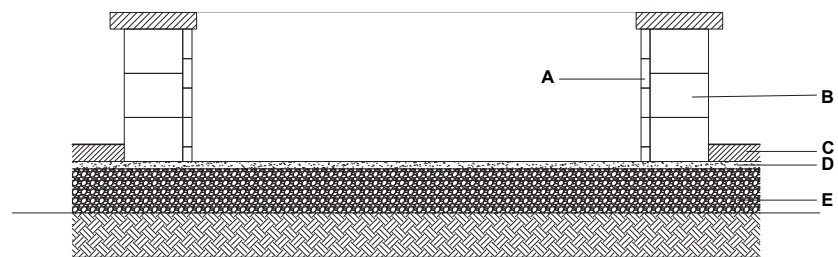
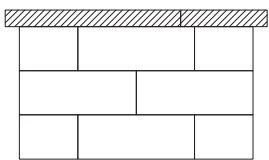
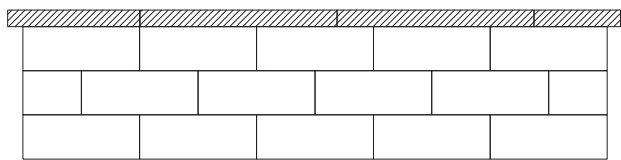
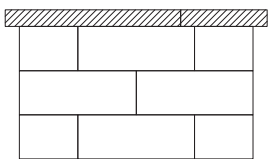
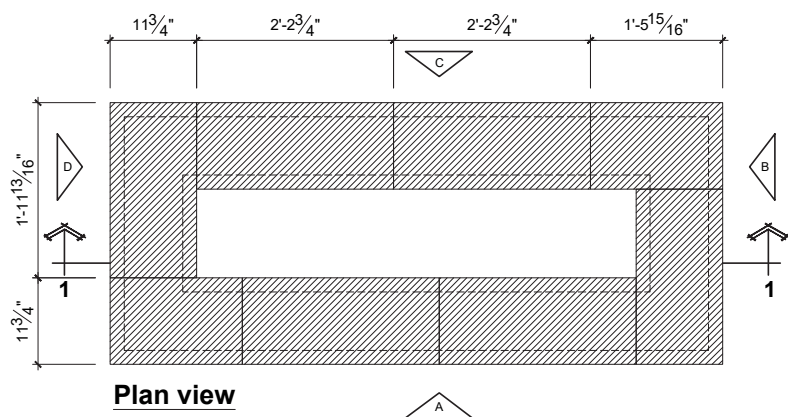


ROW 2



ROW 3

LINEAR



QUANTITY OF MATERIALS REQUIRED

Travertina Raw Corner units: 3 Rows
Travertina Raw Cap unit: 2 Rows

- A. REFRACTORY BRICK
- B. TRAVERTINA RAW CORNER UNIT
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

BOREALIS + GRAPHIX WALL ELEVATED WATER FEATURE / "WATER FOUNTAIN" (LENGTH: 5' 4")

The sound of trickling water drowns out neighborhood noise and creates a tranquil environment for your customers to enjoy. Quick and easy to build, this feature is a fantastic addition to any project.

Build time*: 1 hr

Staff: 2

Total labor hours: 2-3 hr

*excludes base construction



Borealis + Graphix Wall Elevated Water Feature / "Water Fountain"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete) or Synthetic Base	\$_____	_____	\$_____
	ASTM #8 (¼" clean stone) or ASTM C 33 (Washed concrete sand) bedding layer (helpful when leveling large wetcast units)	\$_____	_____	\$_____
	8 units - Borealis Wall	\$_____	_____	\$_____
	4.1 sq.ft. (10 units) - Graphix Wall	\$_____	_____	\$_____
	Aquascape Aquabasin 30"	\$_____	_____	\$_____
	Aquascape EPDM 45 Mil Liner (for splash skirt)	\$_____	_____	\$_____
	Aquascape decorative fountain feature (Rippled Urn pictured above) and related accessories	\$_____	_____	\$_____
	Optional Aquascape Compact Fill Valve and related water source (irrigation system connector or garden hose)	\$_____	_____	\$_____
	Decorative Stone/Pebbles	\$_____	_____	\$_____
	Flexlock Ultra adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

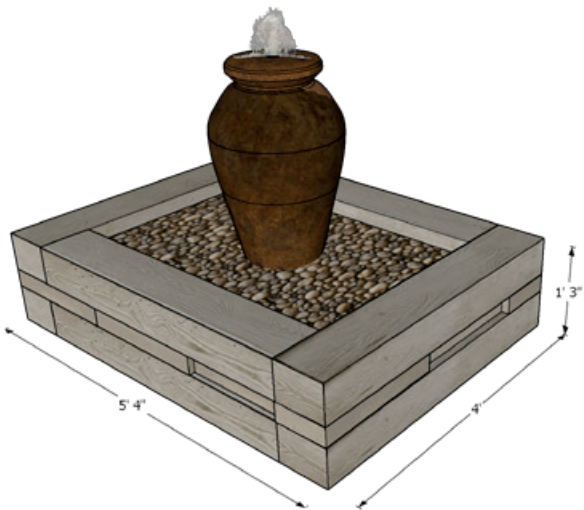
Process

- ☐ Run conduits for electricity (to power pump) and water (if installing fill valve)
- ☐ Install selected base material
- ☐ Screed optional bedding layer
- ☐ Install first course of Borealis Wall ensuring units are set square and level
- ☐ Install courses of Graphix Wall, marking and cutting as per plan (smooth faces out to replicate image above)
- ☐ Partially backfill structure to set correct elevation for Aquabasin so that the top of the unit rests slightly below the finished height of the second course of blocks
- ☐ Insert Aquabasin (some Graphix units may need to be cut to accommodate the units width)
- ☐ Optional: install compact fill valve as per manufacturer's instructions
- ☐ Lay out EPDM liner and trim to size of exterior structure, then trim opening in center to match interior perimeter of Aquabasin
- ☐ Install final course of Borealis Wall
- ☐ Apply Flexlock Ultra adhesive (perpendicular to wall face)
- ☐ Install pump and fill Aquabasin
- ☐ Backfill structure to stabilize Aquabasin
- ☐ Install decorative fountain feature and decorative stone

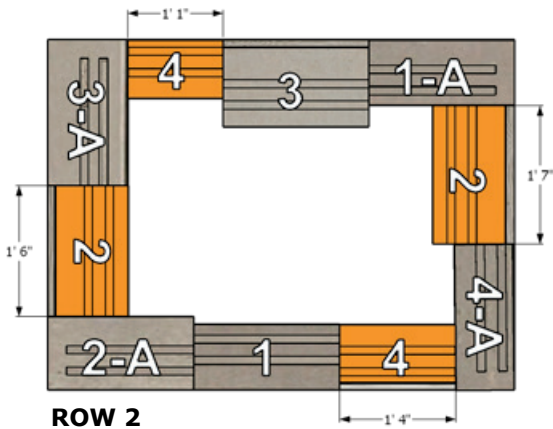


The installation of a compact fill valve simplifies use and maintenance for the homeowner, increasing their enjoyment of the feature.

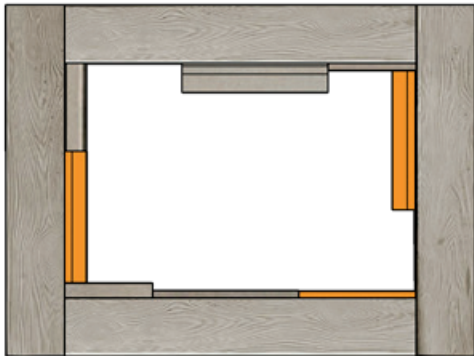
ROW-BY-ROW DRAWINGS



ROW 1

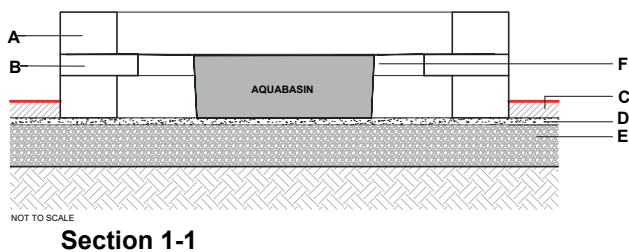
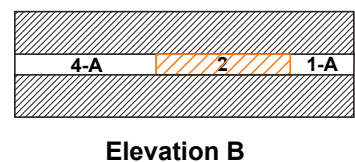
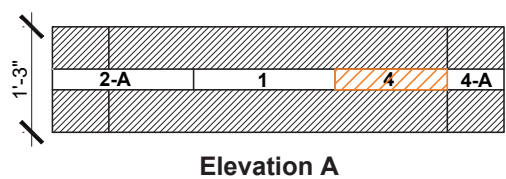
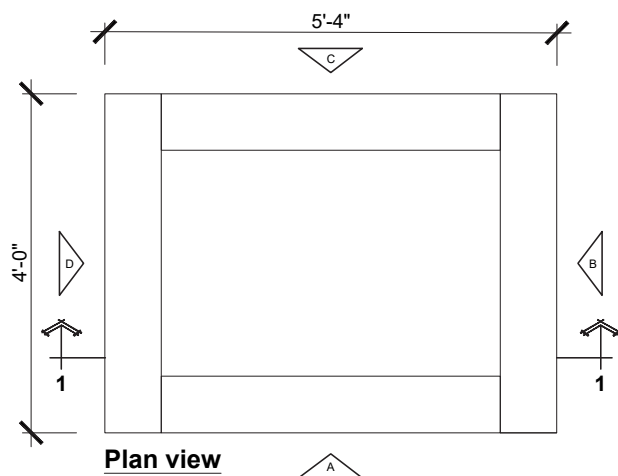


ROW 2



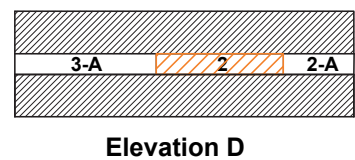
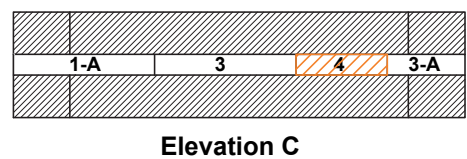
ROW 3

CAD DRAWING



QUANTITY OF MATERIALS REQUIRED

Graphix wall : 2 Rows
Borealis wall : 2 rows



NOTE: Secure the blocks using a concrete adhesive.

- A. BOREALIS WALL UNIT
 - B. GRAPHIX WALL UNIT, SMOOTH FACE ONLY
 - C. TECO-BLOC PAVERS OR SLABS
 - D. SETTING BED 1" (25 mm)
 - E. COMPACTED GRANULAR 0-3/4" (0-20 mm)
 - F. AQUASCAPE AQUABASIN
- (Splash bib can be created with a pond liner. The bib is sandwiched between the last 2 rows of block and is slightly pitched to the center so that water flows back into the Aquabasin)

 **CUT UNITS**

BOREALIS WATER FEATURE / "WATER FOUNTAIN" (LENGTH: 5' 4")

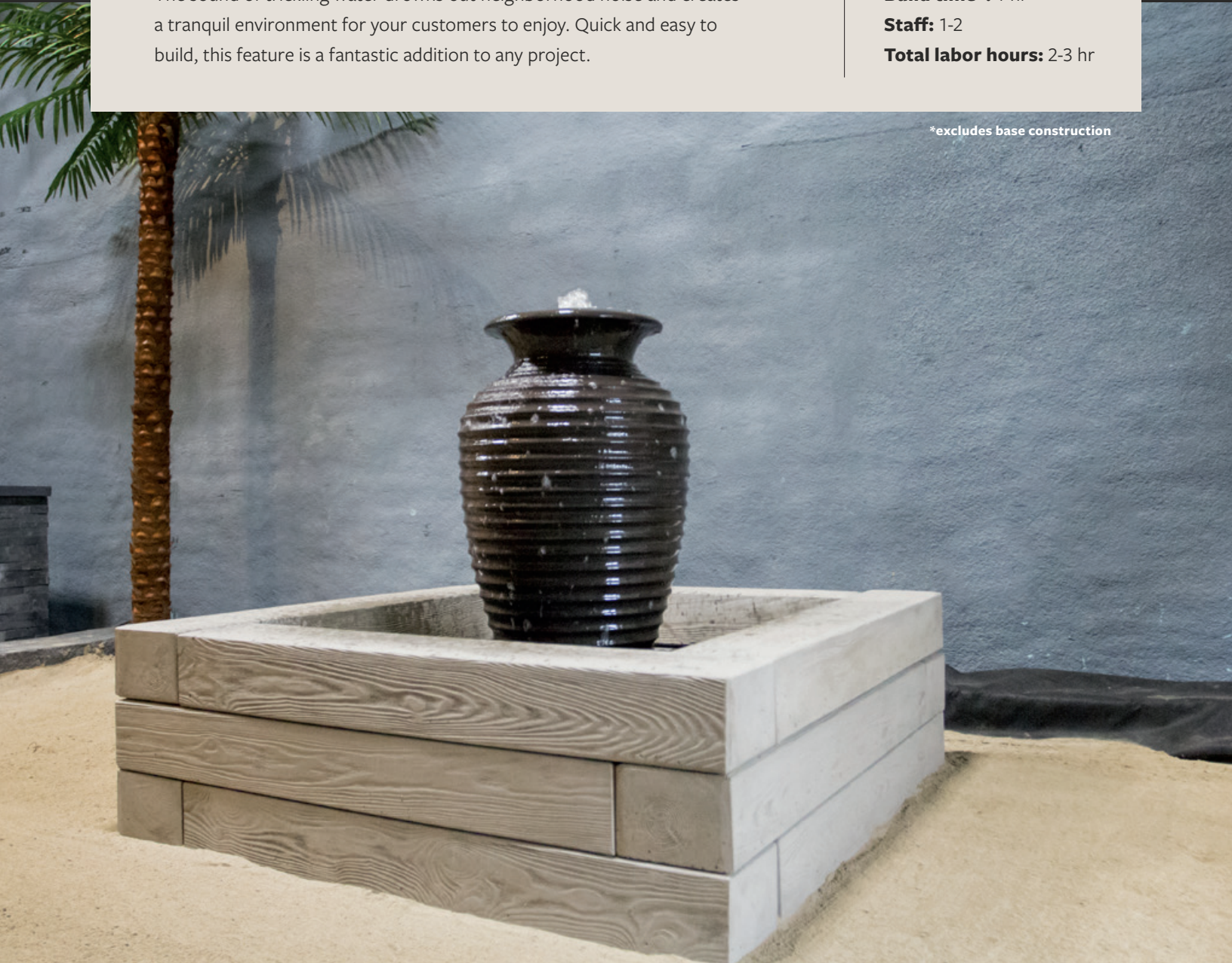
The sound of trickling water drowns out neighborhood noise and creates a tranquil environment for your customers to enjoy. Quick and easy to build, this feature is a fantastic addition to any project.

Build time*: 1 hr

Staff: 1-2

Total labor hours: 2-3 hr

*excludes base construction



Borealis Water Feature / "Water Fountain"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete) or Synthetic Base	\$_____	_____	\$_____
	ASTM #8 (¼" clean stone) or ASTM C 33 (Washed concrete sand) bedding layer (helpful when leveling large wetcast units)	\$_____	_____	\$_____
	8 units - Borealis Wall	\$_____	_____	\$_____
	Aquabasin 45	\$_____	_____	\$_____
	Aquascape EPDM 45 Mil Liner (for splash skirt)	\$_____	_____	\$_____
	Aquascape decorative fountain feature (Rippled Urn pictured above) and related accessories	\$_____	_____	\$_____
	Optional Aquascape Compact Fill Valve and related water source (irrigation system connector or garden hose)	\$_____	_____	\$_____
	Decorative Stone/Pebbles	\$_____	_____	\$_____
	Flexlock Ultra adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

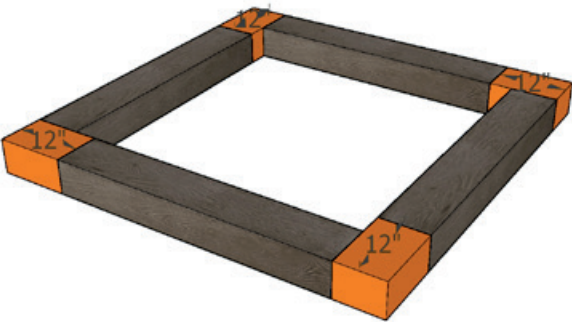
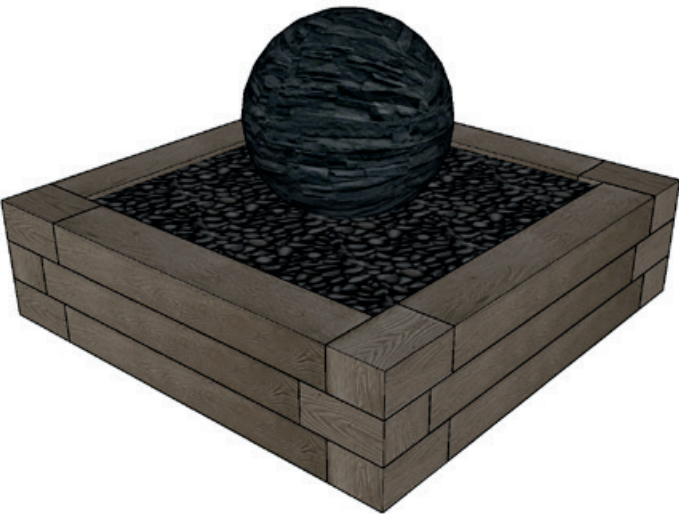
TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

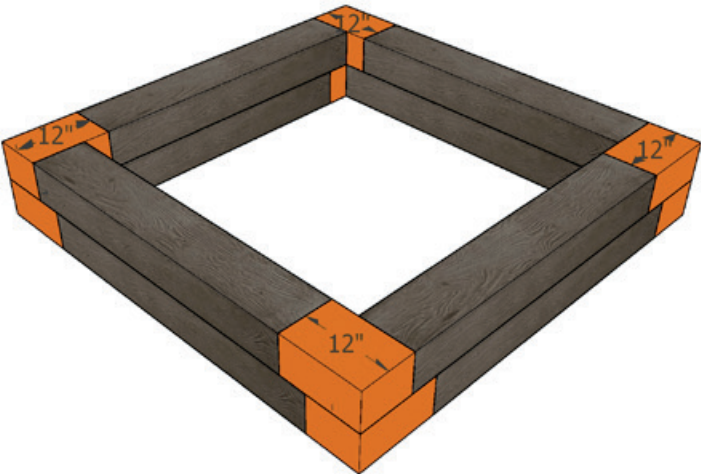
Process

- ☐ Run conduits for electricity (to power pump) and water (if installing fill valve)
- ☐ Install selected base material
- ☐ Screed optional bedding layer
- ☐ Install first course of Borealis Wall ensuring units are set square and level
- ☐ Partially backfill structure to set correct elevation for Aquabasin so that the top of the unit rests slightly below the finished height of the second course of blocks
- ☐ Insert Aquabasin
- ☐ Optional: install compact fill valve as per manufacturer's instructions
- ☐ Lay out EPDM liner and trim to size of exterior structure, then trim opening in center to match interior perimeter of Aquabasin
- ☐ Install final course of Borealis Wall
- ☐ Apply Flexlock Ultra adhesive (perpendicular to wall face)
- ☐ Install pump and fill Aquabasin
- ☐ Backfill structure to stabilize Aquabasin
- ☐ Install decorative fountain feature and decorative stone

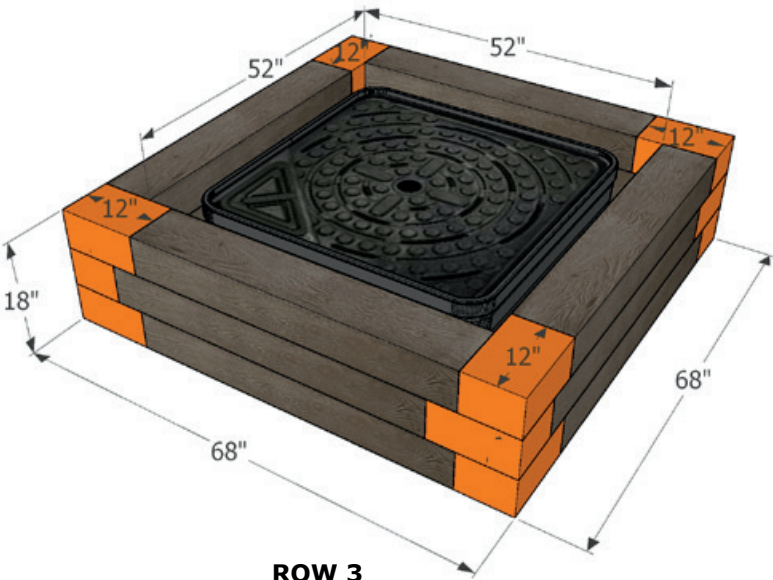
ROW-BY-ROW DRAWINGS



ROW 1

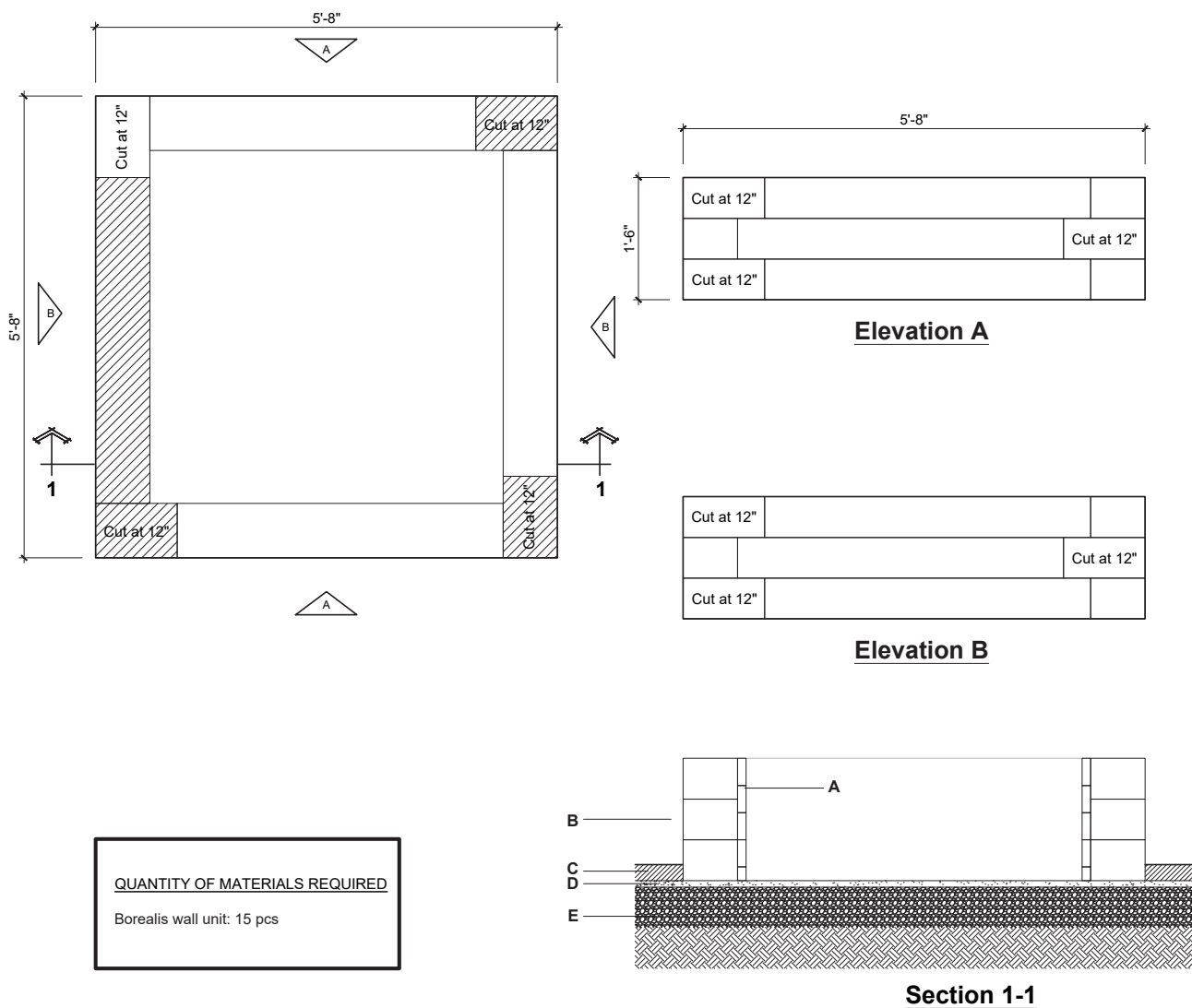


ROW 2



ROW 3

CAD DRAWING



- A. REFRACTORY BRICK
- B. BOREALIS 6" WALL UNIT
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

RÖCKA WALL ELEVATED WATER FEATURE / "WATER FOUNTAIN" (LENGTH: 3' 11 3/4")

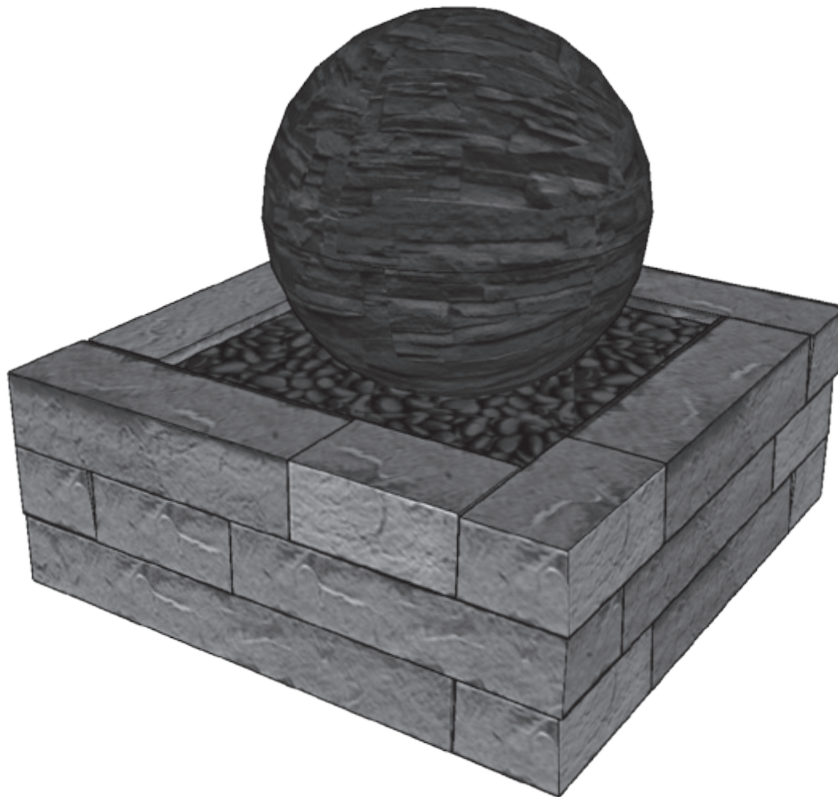
The Röcka Wall water feature adds a classy touch that is sure to elevate any space. Add this serene water feature to any front or backyard project for a more discerning client.

Build time*: 1 hr

Staff: 1

Total labor hours: 1-2 hr

*excludes base construction



Röcka wall Elevated Water Feature / "Water Fountain"

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or ASTM C-2940	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	1 pallet Röcka Wall	\$_____	_____	\$_____
	Construction adhesive	\$_____	_____	\$_____
	Water feature basin & accessories	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

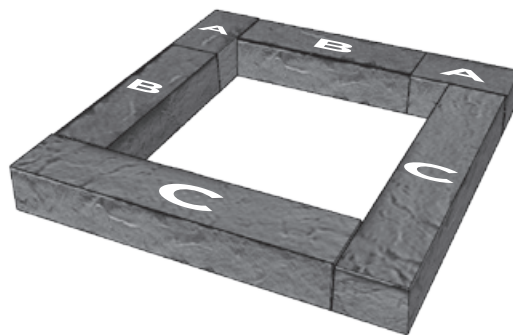
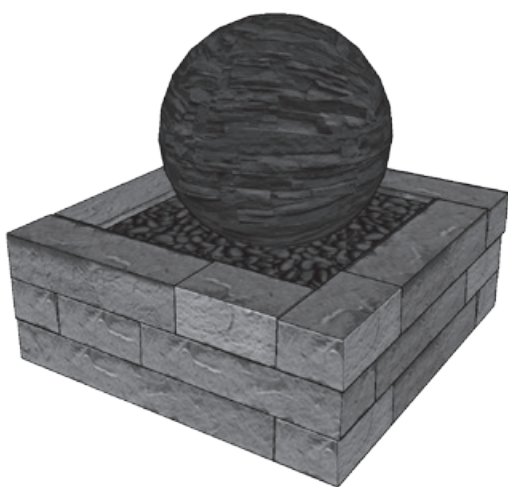
TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

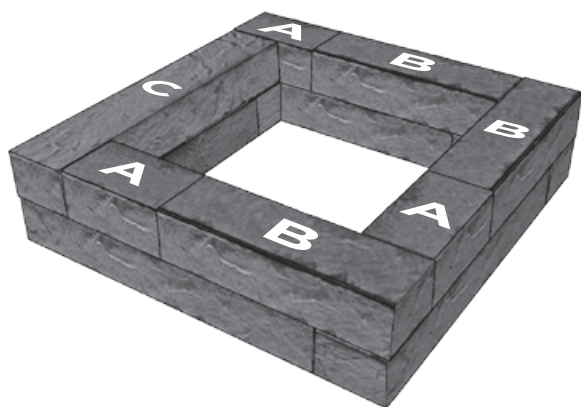
Process

- ☐ Run conduits for electrical and water (for optional auto-refill)
- ☐ Classify, amend and compact soil subgrade — final surface should not have greater than +/- $\frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install base (open-graded base: ASTM #57 or dense-graded base: ASTM C-2940) minimum 4"-6" thickness
- ☐ Install 1" leveling bed (open-graded: ASTM #8 or dense-graded: ASTM C-33)
*optional
- ☐ Install Röcka Wall units as per plan
- ☐ Apply appropriate construction adhesive between units
- ☐ Trial fit of water feature basin, evaluate need for internal basin supports (block supports or aggregates)
- ☐ Post-construction wash and application of water repelling sealer
*optional, to avoid water staining
- ☐ Install water feature basin & accessories

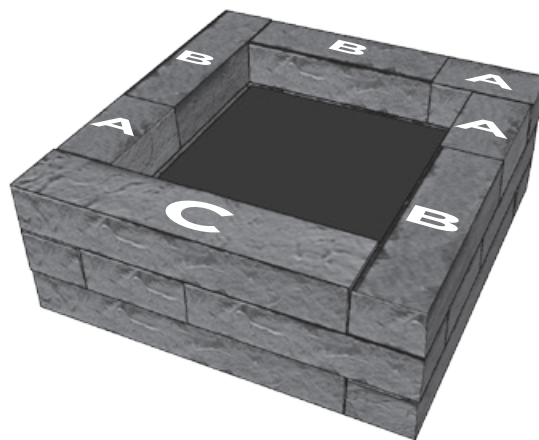
ROW-BY-ROW DRAWINGS



Row 1

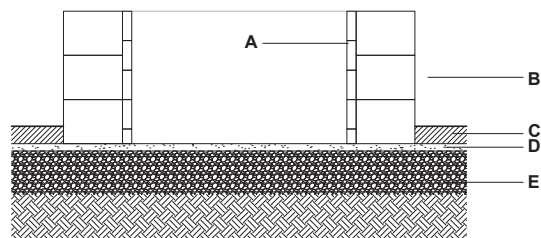
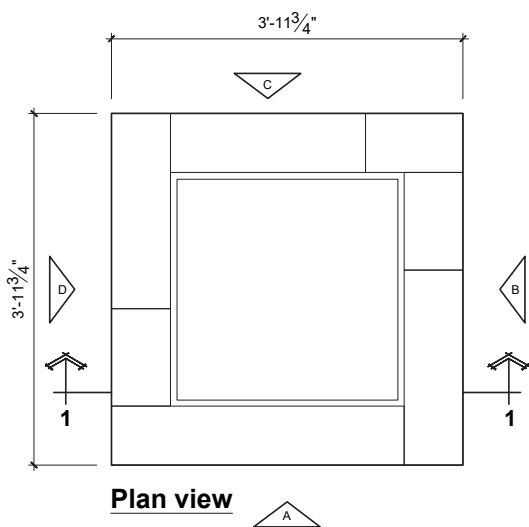


Row 2



Row 3

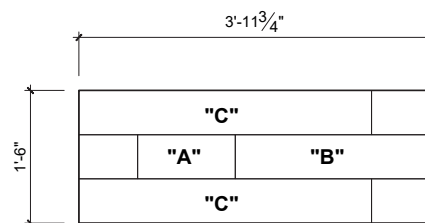
CAD DRAWING



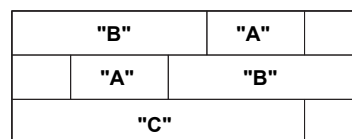
Section 1-1

QUANTITY OF MATERIALS REQUIRED

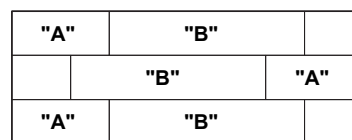
Rocka wall unit: 1 PAL



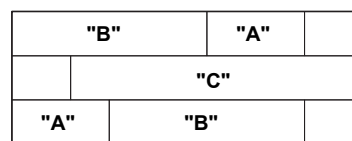
Elevation A



Elevation B



Elevation C



Elevation D

- A. REFRACTORY BRICK
- B. ROCKA WALL UNIT
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

NOTE: Secure the blocks using a concrete adhesive.
The installer must ensure that the installation and use of the fire pit comply with local regulations and code requirements.

BOREALIS + GRAPHIX WALL BENCH - LONG (LENGTH: 10' 4")

Outdoor living features such as fire pits or elevated water fountains require seating around them to be properly enjoyed. Provide your clients with a beautiful, durable and customizable seating solution.

Build time*: 2 hr

Staff: 2

Total labor hours: 4-5 hr

*excludes base construction



Borealis + Graphix Wall Bench - Long

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete) or Synthetic Base	\$_____	_____	\$_____
	ASTM #8 (¼" clean stone) or ASTM C 33 (Washed concrete sand) bedding layer (helpful when leveling large wetcast units)	\$_____	_____	\$_____
	12 units - Borealis Wall	\$_____	_____	\$_____
	5.74 sq.ft. (14 units) - Graphix Wall	\$_____	_____	\$_____
	6 units - Raffinato 60 Cap	\$_____	_____	\$_____
	in-Lite Hyve style lighting fixtures (optional)	\$_____	_____	\$_____
	Flexlock Ultra adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

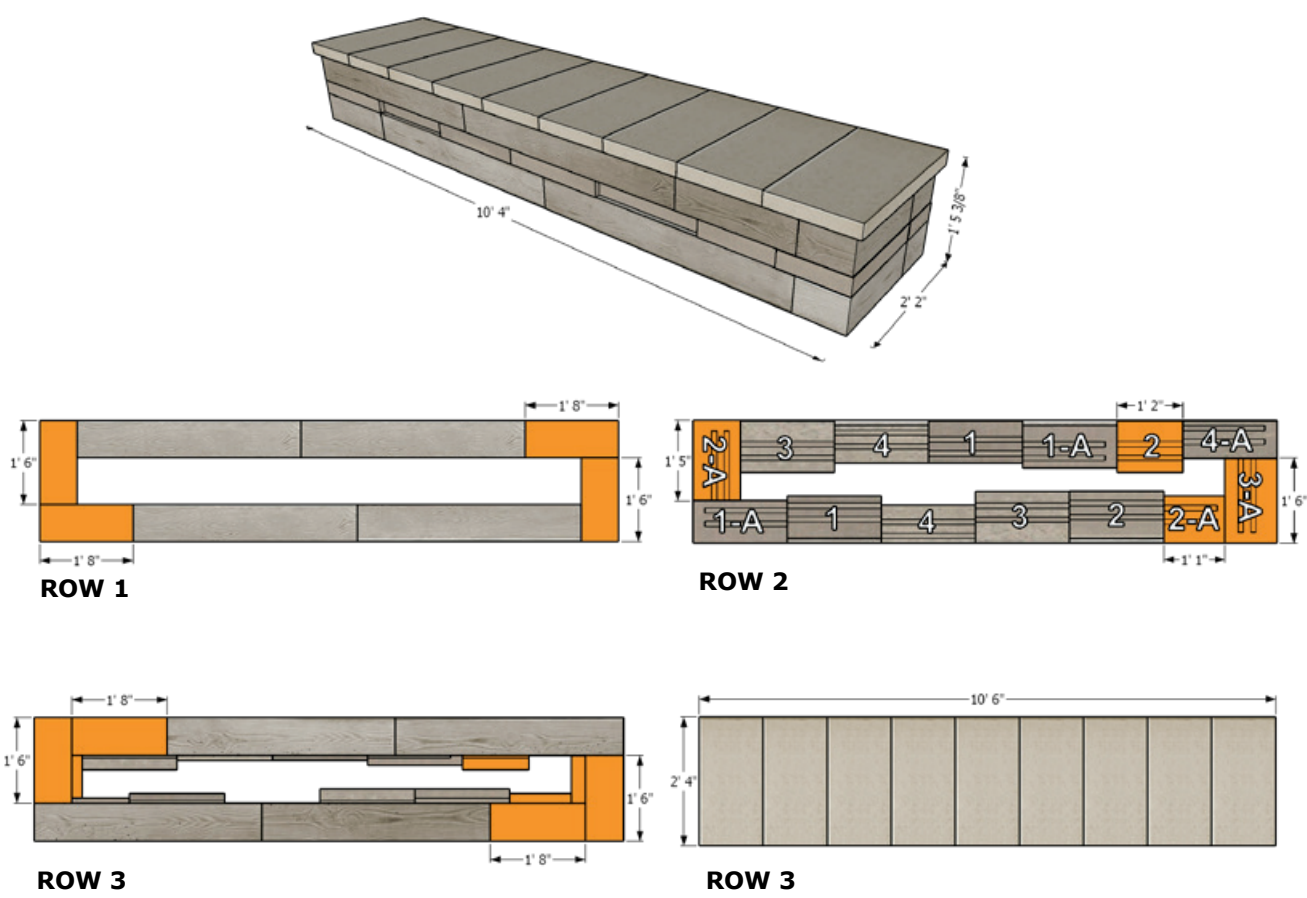
Process

- ☐ Run conduits for low-voltage cable for lighting (optional)
- ☐ Install aggregate or synthetic base
- ☐ Screed optional bedding layer
- ☐ Install first course of Borealis Wall, mark and cut units as per plan
- ☐ Install course of Graphix Wall, mark and cut units as per plan (smooth faces out to replicate image above)
- ☐ Install final course of Borealis Wall, mark and cut units as per plan
- ☐ Mark and cut in drip edge on the underside of Raffinato 60 Cap to prevent water streaks on wall face
- ☐ Install Raffinato 60 Cap maintaining 1" overhang
- ☐ Drill and install light fixtures (optional)
- ☐ Use Flexlock Ultra adhesive (apply perpendicular to wall face)

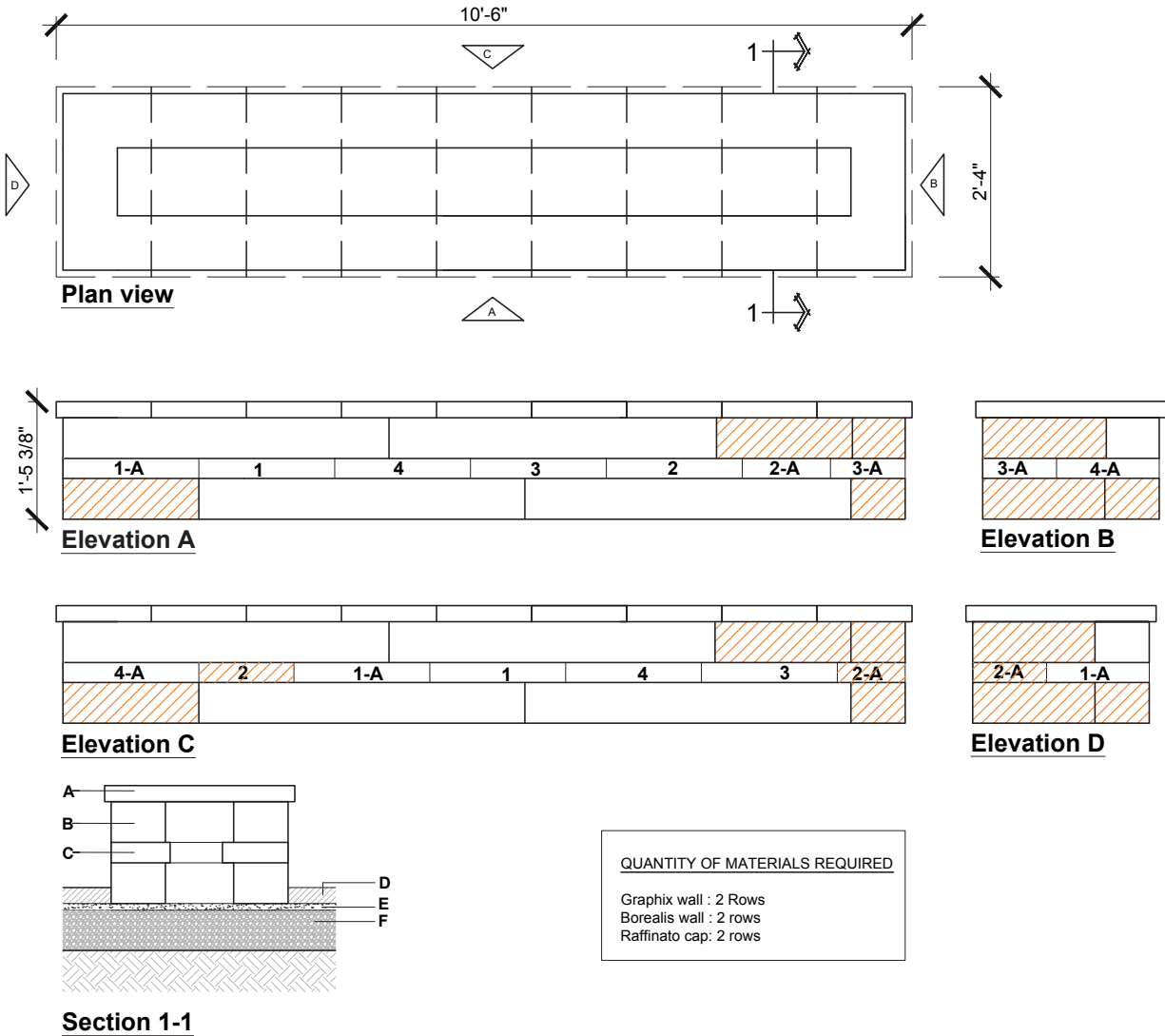


It is recommended for benches to be installed 1.5' to 2.5' away from fire features for maximum enjoyment.

ROW-BY-ROW DRAWINGS



CAD DRAWING



- A. RAFFINATO CAP
B. BOREALIS WALL UNIT
C. GRAPHIX WALL UNIT, SMOOTH FACE ONLY
D. TECO-BLOC PAVERS OR SLABS
E. SETTING BED 1" (25 mm)
F. COMPACTED GRANULAR 0-3/4" (0-20 mm)

 CUT UNITS

BOREALIS + GRAPHIX WALL BENCH - SHORT (LENGTH: 6' 10")

Outdoor living features such as fire pits or elevated water fountains require seating around them to be properly enjoyed. Provide your clients with a beautiful, durable and customizable seating solution.

Build time*: 1.5 hr

Staff: 2

Total labor hours: 3-4 hr

*excludes base construction



Borealis + Graphix Wall Bench - Short

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or RC-57 (¾" clean stone or recycled concrete) or Synthetic Base	\$_____	_____	\$_____
	ASTM #8 (¼" clean stone) or ASTM C 33 (Washed concrete sand) bedding layer (helpful when leveling large wetcast units)	\$_____	_____	\$_____
	8 units - Borealis Wall	\$_____	_____	\$_____
	4.1 sq.ft. (10 units) - Graphix Wall	\$_____	_____	\$_____
	6 units - Raffinato 60 Cap	\$_____	_____	\$_____
	in-Lite Hyve style lighting fixtures (optional)	\$_____	_____	\$_____
	Flexlock Ultra adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

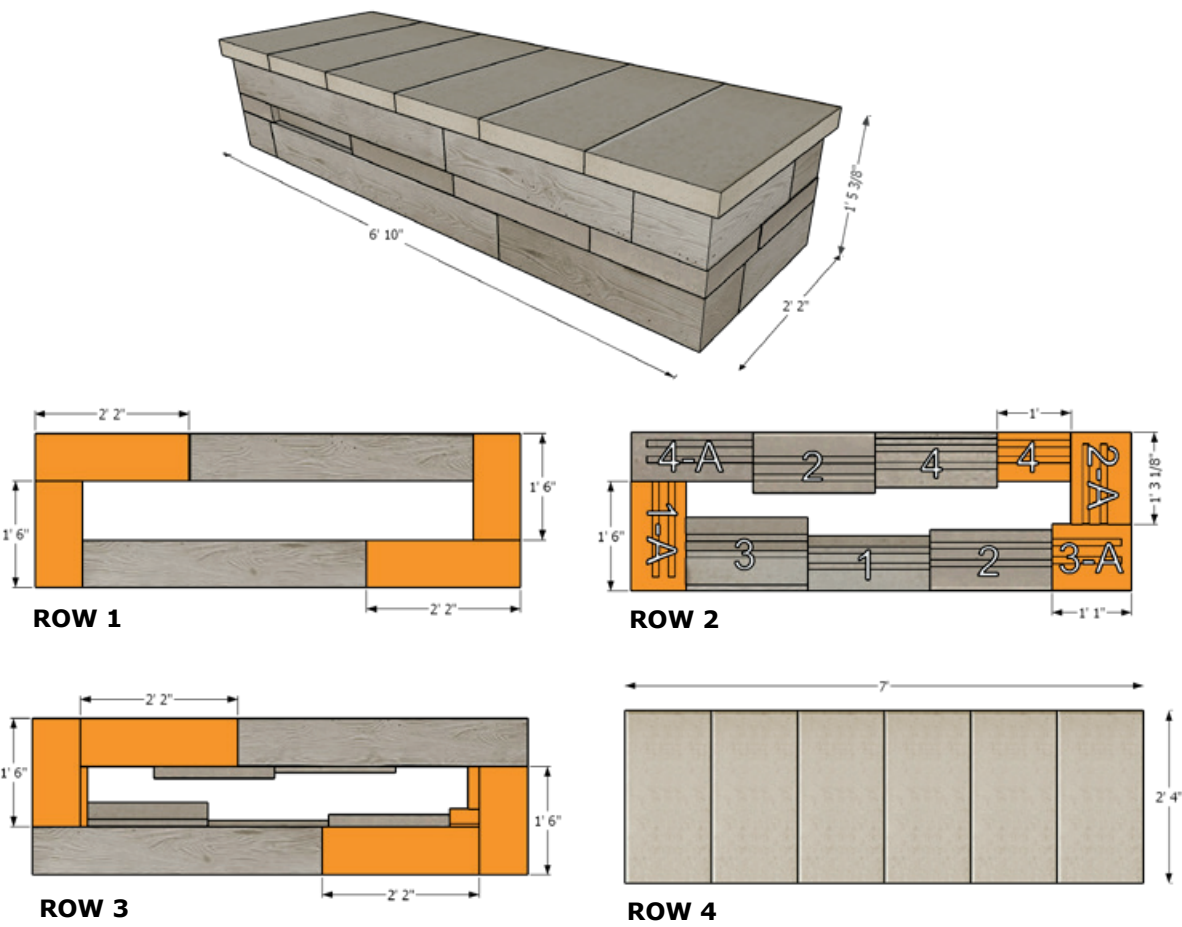
Process

- ☐ Run conduits for low-voltage cable for lighting (optional)
- ☐ Install aggregate or synthetic base
- ☐ Screed optional bedding layer
- ☐ Install first course of Borealis Wall, mark and cut units as per plan
- ☐ Install course of Graphix Wall, mark and cut units as per plan (smooth faces out to replicate image above)
- ☐ Install final course of Borealis Wall, mark and cut units as per plan
- ☐ Mark and cut in drip edge on the underside of Raffinato 60 Cap to prevent water streaks on wall face
- ☐ Install Raffinato 60 Cap maintaining 1" overhang
- ☐ Drill and install light fixtures (optional)
- ☐ Use Flexlock Ultra adhesive (apply perpendicular to wall face)

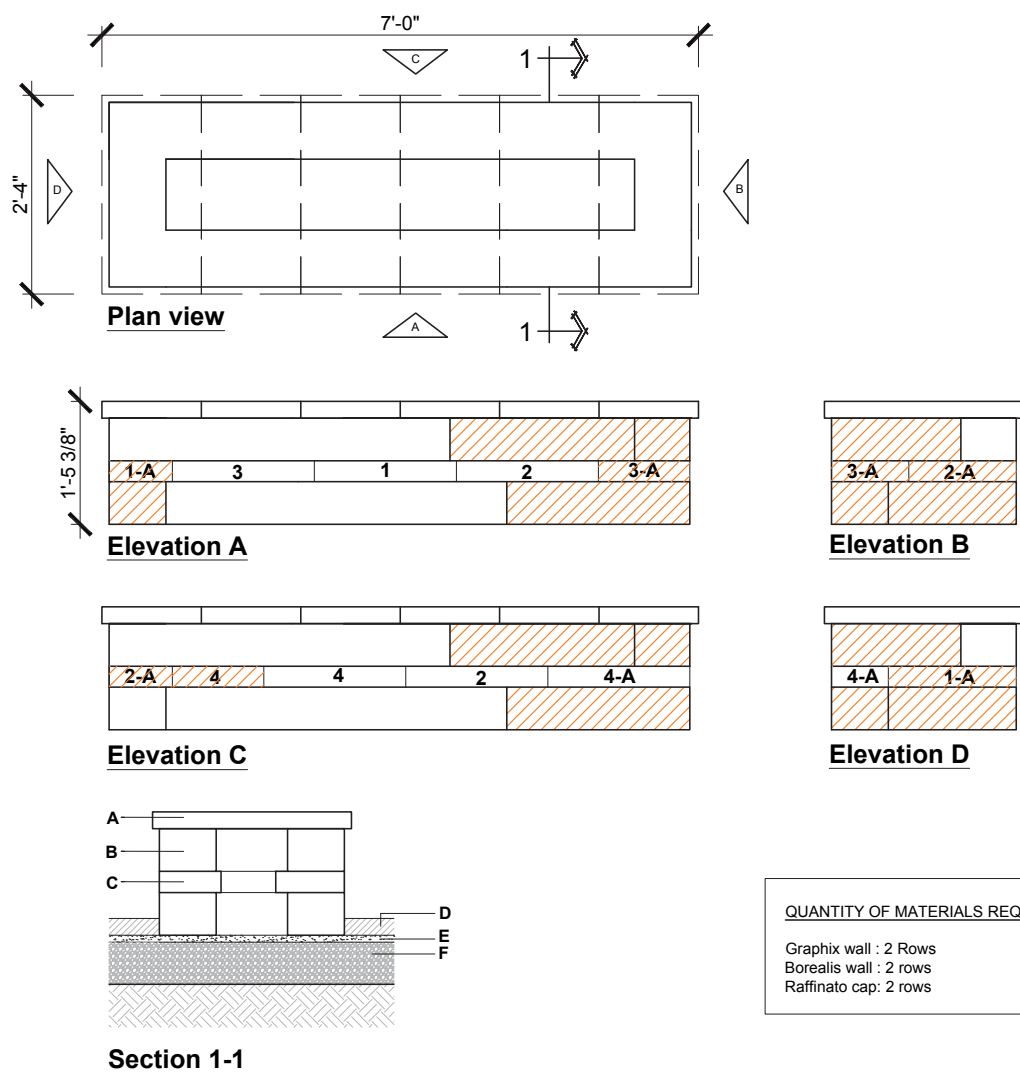


It is recommended for benches to be installed 1.5' to 2.5' away from fire features for maximum enjoyment.

ROW-BY-ROW DRAWINGS



CAD DRAWING



- A. BOREALIS WALL UNIT
- B. GRAPHIX WALL UNIT, SMOOTH FACE ONLY
- C. TECO-BLOC PAVERS OR SLABS
- D. SETTING BED 1" (25 mm)
- E. COMPACTED GRANULAR 0-3/4" (0-20 mm)

 **CUT UNITS**

RAFFINATO STEP BENCH TABLE & SEATING FEATURE (LENGTH: 4' 6 3/4")

The Raffinato Step bench is both comfortable and stylish. It can easily be added to a landscape on its own or to complement the Raffinato Step linear fire feature — as pictured above.

Build time*: 1-2 hr

Staff: 2

Total labor hours: 2-4 hr

*excluding base construction
& custom bench coping)



Raffinato Step Bench

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57 or ASTM C-2940	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	9 units Raffinato 60mm Cap or 60mm concrete paving slabs for embedment	\$_____	_____	\$_____
	14 units Raffinato Step	\$_____	_____	\$_____
	Construction adhesive	\$_____	_____	\$_____
	Bench surface coping material (wood, stone or other)	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

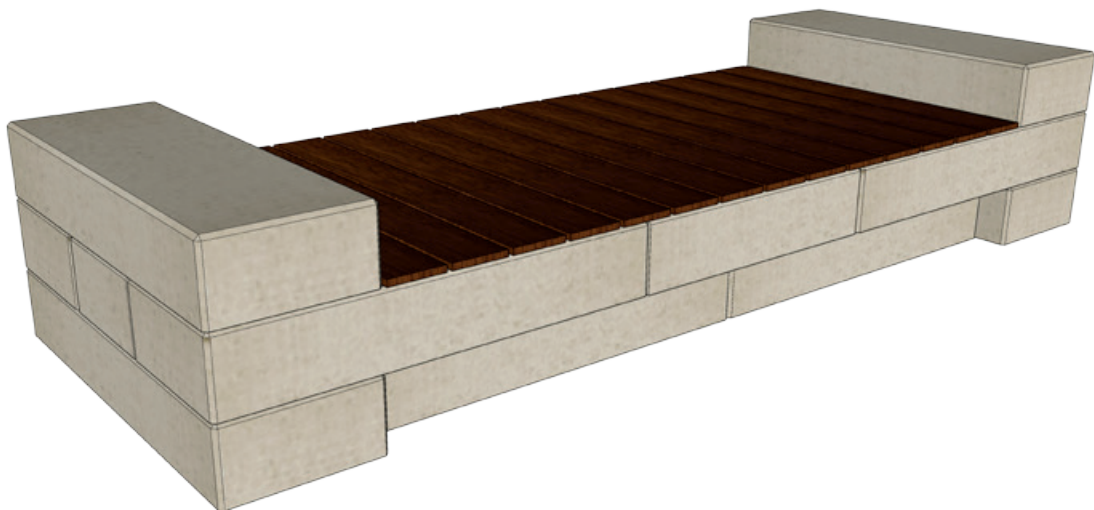
TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

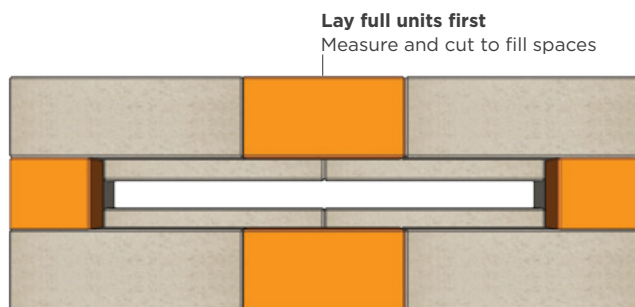
Process

- ☐ Classify, amend and compact soil subgrade — final surface should not have greater variation than $\pm \frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install base (open-graded: ASTM #57 or dense-graded: ASTM C-2940) minimum 4"-6" thickness
- ☐ Install 1" leveling bed (open-graded base: ASTM #8 or dense-graded base: ASTM C-33) *optional
- ☐ Install Concrete Paving Slabs (CPS) for embedment *best practice
- ☐ Mechanically install Raffinato Step units as per plan
- ☐ Apply appropriate construction adhesive between units

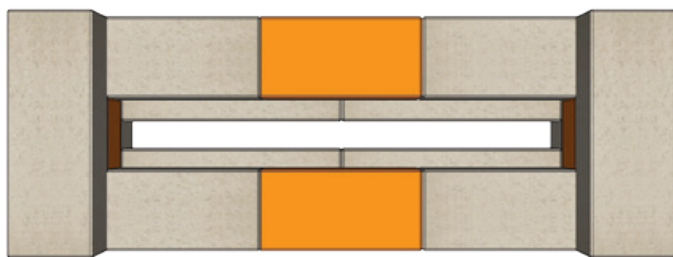
ROW-BY-ROW DRAWINGS



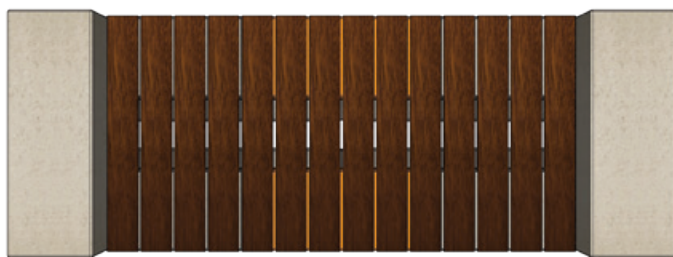
Row 1



Row 2



Row 3



Row 4

GRAPHIX TABLE (LENGTH: 10')

Nothing brings family and friends together quite like sharing a great meal. This 10' long table is perfect for hosting larger groups outdoors.

Build time*: 1-2 hr

Staff: 2

Total labor hours: 2-4 hr

*excluding base
construction & custom
bench coping)



Graphix Table

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	ASTM #57	\$_____	_____	\$_____
	ASTM #8 or ASTM C-33	\$_____	_____	\$_____
	Geotextile	\$_____	_____	\$_____
	Concrete forms	\$_____	_____	\$_____
	Ready-Mix or Porous Concrete	\$_____	_____	\$_____
	1 pallet and 5 rows Graphix Wall			
	Construction adhesive			
	Natural stone or Composite material tabletop			

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

- ☐ Classify, amend and compact soil subgrade — final surface should not have greater than $\pm \frac{3}{8}$ " over 10'
- ☐ Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- ☐ Install sub-base (open-graded: ASTM #57) minimum 4"-6" thickness
- ☐ Form and pour Ready-Mix or Porous Concrete (PC) pad, recommended min. 4" thickness (fiber-reinforcement, if required)
- ☐ Install skim coat leveling bed (ASTM #8 or ASTM C-33) *if required
- ☐ Install Graphix Wall, as per plan, using supplied clips and bonded with construction adhesive, ensuring a perfectly level final course of block
- ☐ Install tabletop and adhere with Flexlock Ultra adhesive



Follow the sealer manufacturers instructions for proper application.

ROW-BY-ROW DRAWINGS



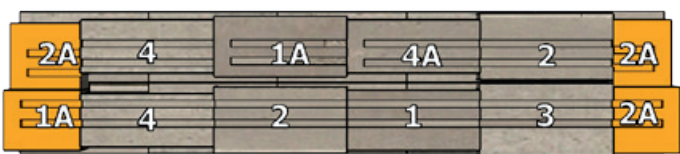
FACE A



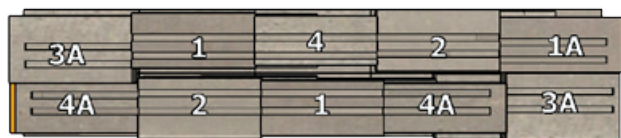
FACE B



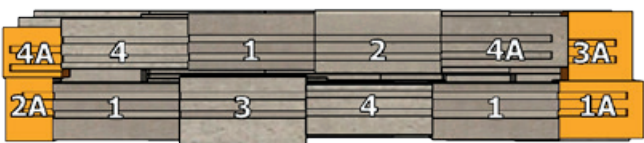
ROW 1



ROW 2

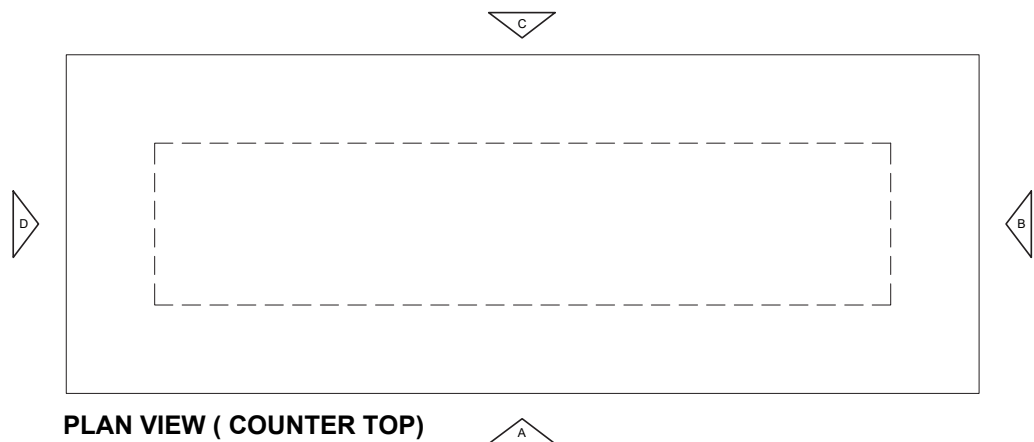


ROW 3



ROW 4

CAD DRAWING



1-A	2	4-A	1	3-A
3-A	1	4	3	4-A
4-A	3	1	2	3-A
3-A	1-A	2-A	4-A	1
2-A	4	2	1-A	2-A
2-A	1	3	4	1
4-A	2	1	4-A	3-A
1-A	4	2	1	3
3-A	3	3	3	3-A

Elevation A

3-A	3-A
1-A	2-A
3-A	1-A
4-A	3-A
2-A	2-A
1-A	3-A
3-A	1-A
2-A	2-A
3-A	3-A

Elevation B

3-A	2	4	2	2-A
2-A	4-A	3	1-A	4
1-A	4	3	1-A	2-A
3-A	2	1	4	3-A
2-A	4	2	1-A	2-A
3-A	4-A	2	1	4
1-A	2	4	1	3-A
2-A	2	4-A	1-A	4
3-A	3	3-A	3	3-A

Elevation C

2-A	1-A
2-A	3-A
2-A	4-A
1-A	3-A
2-A	2-A
4-A	2-A
3-A	4-A
2-A	1-A
3-A	3-A

Elevation D

QUANTITY OF MATERIALS REQUIRED
Graphix wall: 13 Rows

BOREALIS STEPPING STONE COFFEE TABLE TABLE & SEATING FEATURE (LENGTH: 2')

An uncommon use for the Borealis Stepping Stone, this coffee table is simple to construct and adds a truly unique finishing touch to your project.

Build time*: 1 hr

Staff: 1

Total labor hours: 1-2 hr

*excludes base construction



Borealis Stepping Stone Coffee Table

Material and Labor Checklist

✓	Material Name	Unit Cost	Quantity	Total Cost
	1 unit - Borealis Stepping Stone	\$_____	_____	\$_____
	3 pcs - hairpin-style legs of the desired height	\$_____	_____	\$_____
	Premium Pressure Treated Plywood 5/8"	\$_____	_____	\$_____
	Flexlock Wet Cast Sealer (Zero Gloss or Low Gloss)	\$_____	_____	\$_____
	Flexlock Ultra adhesive	\$_____	_____	\$_____

TOTAL MATERIALS COST: \$_____

✓	Staff Type	Labor Cost	Labor Hours	Total Cost
	Hardscaper 1	\$_____	_____	\$_____
	Hardscaper 2	\$_____	_____	\$_____

TOTAL LABOR COST: \$_____

GRAND TOTAL COST: \$_____

Process

- ☐ Cut the pressure treated plywood to mirror the shape of the slab (mind your curves) with the jigsaw or miter saw. The plywood should be cut smaller than the slab to allow for an overhang of a few inches.
- ☐ Glue the plywood to the underside of the slab, keeping in mind to keep the two shapes aligned.
- ☐ Fasten the legs to the plywood.
- ☐ Apply the Flexlock Wet Cast sealer to the slab. Two coats are recommended. Allow a 24 hr cure period between coats.



Follow the sealer manufacturers instructions for proper application.

ROW-BY-ROW DRAWINGS



MATERIALS REQUIRED

- 1 - Borealis stepping stone
- 2 - Three hairpin Legs legs of desired height
- 3 - Premium Construction Adhesive
- 4 - Pressure Treated Plank, 5/8" thickness
- 5 - Alliance Wet Cast Natural Look Finish, Zero Gloss Sealer

TOOLS REQUIRED

- 1 - Screwdriver or drill
- 2 - Jigsaw OR Mitre Saw

1 - Cut the pressure treated plank to match the shape of the stone with a jigsaw or mitre saw.



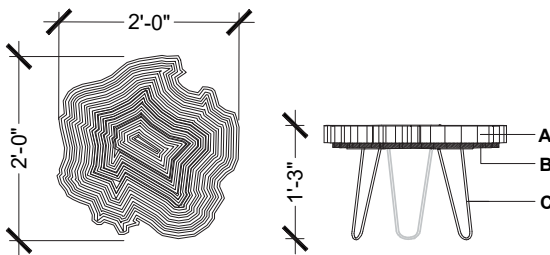
2 - Glue the pressure treated plank to the bottom of the stone, keeping in mind to line-up the twists and curves of both the plank and stone.



3 - Fasten the legs onto the Plywood plank.



4 - Cover the entire concrete stone with the Alliance Wet Cast Natural Look Finish, Zero Gloss Sealer (or low gloss sealer if you prefer). At least 2 coats are recommended. Let dry for 24 hours between coats.



- A. BOREALIS STEPPING STONE
B. PRESSURE TREATED PLYWOOD PLANK, 5/8" THICKNESS
C. HAIRPIN LEGS

HARDSCAPER'S MASTER TOOL LIST

Gas-Powered Tools

- ☐ 1 Jumping Jack
- ☐ 1 Reversible Vibratory Plate (4-5,000 lb C.F.)
- ☐ 1 Reversible Vibratory Plate (8-12,000 lb C.F.)
- ☐ 2 Quick Cuts / Demo Saw
- ☐ 1 Backpack Blower
- ☐ 1 3-5 GPM Power Washer with hose and nozzle
- ☐ 1 Generator

Electric/Battery-Powered Tools

- ☐ 2 Angle Grinder 4 ½"
- ☐ 2 Angle Grinder 9"
- ☐ 1 Hammer Drill (with core & bits)
- ☐ 1 Vacuum Lifter
- ☐ 2 Commercial-Grade Extension Cords (10 gauge 50')

Grade Rails / Screed Guides

- ☐ 9 8'
- ☐ 4 6'
- ☐ 4 4'
- ☐ 4 2'
- ☐ 2 EA. Screed Boards 10', 8', 6', 4' (mag. or alu.)

Layout & Grading

- ☐ 20 Grade Stakes / Nail or Concrete Pins 2'
- ☐ 10 Grade Stakes / Nail or Concrete Pins 3'
- ☐ 6 Grade Stakes / Nail or Concrete Pins 4'
- ☐ 40 String Along Collars
- ☐ 1 Laser with Tripod
- ☐ 1 Laser Rod or Stick (0+0 benchmark)
- ☐ 10 rolls Masonry String
- ☐ 2 Large Chalkline
- ☐ 1 Chalk (refill)
- ☐ 6 Measuring Tape 25'
- ☐ 6 Measuring Tape 35'
- ☐ 2 Measuring Tape Reel 300'

Levels

- ☐ 4 Torpedo Level
- ☐ 2 2'
- ☐ 4 4'
- ☐ 1 6'
- ☐ 1 8'

HARDSCAPER'S MASTER TOOL LIST

Other...

<input type="checkbox"/>	1	Tool Kit	<input type="checkbox"/>	2	Large Dead Blow
<input type="checkbox"/>	2	Tin Snips	<input type="checkbox"/>	2	Mason Hammer
<input type="checkbox"/>	1	Large Folding Square	<input type="checkbox"/>	2	2-3 lbs Pound Maul
<input type="checkbox"/>	2	Carpenter Square 16" x 24"	<input type="checkbox"/>	2	2" Chisel
<input type="checkbox"/>	4	Quick Square 7" x 7"	<input type="checkbox"/>	2	4" Chisel
<input type="checkbox"/>	4	Pointed Shovels	<input type="checkbox"/>	2	Caulk/Glue Guns 10 oz
<input type="checkbox"/>	4	Square Shovels	<input type="checkbox"/>	2	Caulk/Glue Guns 20 oz
<input type="checkbox"/>	2	Pickaxe	<input type="checkbox"/>	2	Wheel Barrows
<input type="checkbox"/>	2	Mattock	<input type="checkbox"/>	2	Rough Brooms
<input type="checkbox"/>	3	Landscape Rakes	<input type="checkbox"/>	2	Finishing Brooms
<input type="checkbox"/>	2	Lute/Asphalt Rakes	<input type="checkbox"/>	4	Diesel Satefy Can (yellow)
<input type="checkbox"/>	1	The Pounder™ (by Probst)	<input type="checkbox"/>	1	Gas Can (red)
<input type="checkbox"/>	1	12" x 12" Hand Tamper	<input type="checkbox"/>	2	Mixed Fuel Can
<input type="checkbox"/>	4	Small Dead Blow			

HARDSCAPER'S MASTER TOOL LIST

Specialty Tools

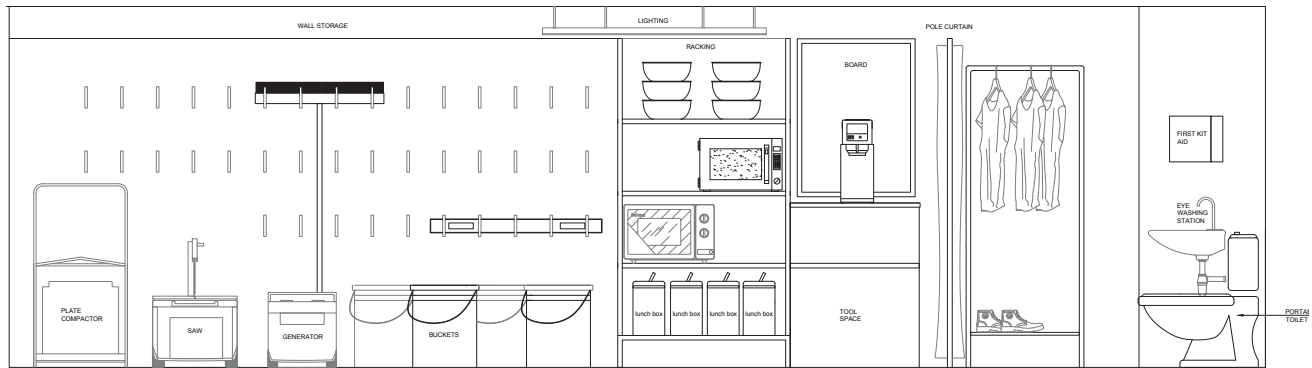
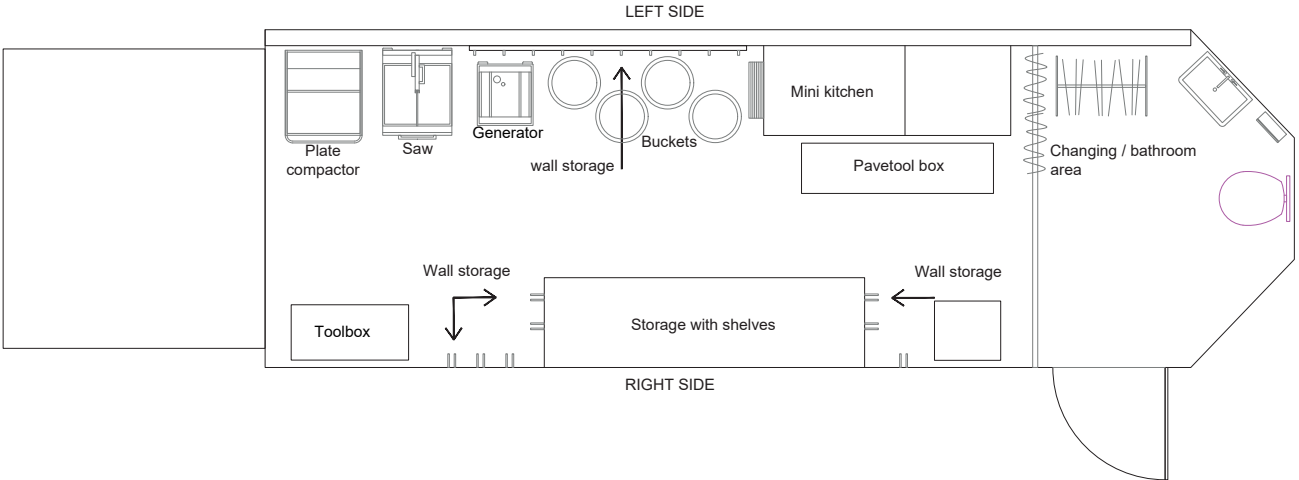
<input type="checkbox"/>	1	Slab Splitter	<input type="checkbox"/>	1	Quick-E-Scribe
<input type="checkbox"/>	1	Paver Splitter	<input type="checkbox"/>	1	QuickDRAW
<input type="checkbox"/>	1	Block Splitter	<input type="checkbox"/>	1 box	Soap Stone
<input type="checkbox"/>	4	SlabGRABBER	<input type="checkbox"/>	1 box	Red Lead Pencils
<input type="checkbox"/>	1	SlabHANDLER	<input type="checkbox"/>	1 box	Black Markers (Sharpie)
<input type="checkbox"/>	1	Ergo XL	<input type="checkbox"/>	1 box	Construction Crayons
<input type="checkbox"/>	1	BL-980	<input type="checkbox"/>	1	Quick-E-Gauge from Pave Tool
<input type="checkbox"/>	1	BL-450	<input type="checkbox"/>	2	Quick-E-Wall Screed System from Pave Tool
<input type="checkbox"/>	1	BL-109	<input type="checkbox"/>	1	Paver Extractor
<input type="checkbox"/>	2	BL-100 Wall Slab Lifters	<input type="checkbox"/>	1	Paver Adjuster Persuader
<input type="checkbox"/>	1	Quick-E-Hammer	<input type="checkbox"/>	8	Utility Knives
<input type="checkbox"/>	1 pair	Quick-E-Lifters	<input type="checkbox"/>	64	Utility Knife Blades
			<input type="checkbox"/>	2	Small Finishing Trowels
			<input type="checkbox"/>	1	Float Trowel

Safety Equipment

<input type="checkbox"/>	144	Masks N95	<input type="checkbox"/>	200	Ear plugs (hearing protection)
<input type="checkbox"/>	4	Masks HEPA	<input type="checkbox"/>	4	Hard Hats
<input type="checkbox"/>	4	Masks Refill Cartridges	<input type="checkbox"/>	2	First Aid Kit
<input type="checkbox"/>	144	Safety Glasses	<input type="checkbox"/>	1 box	Antiseptic Wipes
<input type="checkbox"/>	4	Attenuators (hearing protection)	<input type="checkbox"/>	1	Eye wash kit

TOOL TRAILER

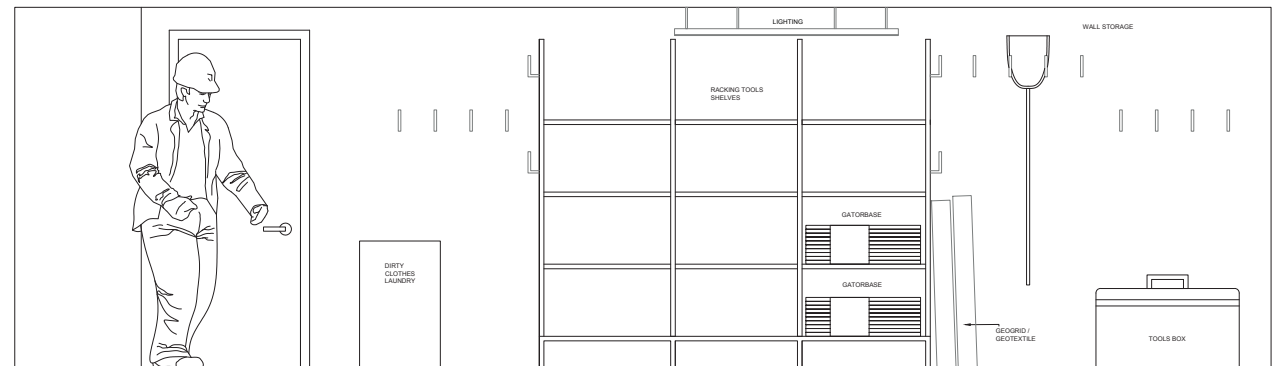
Watch how to optimize
your tool trailer



Back

LEFT SIDE

Front



Front

RIGHT SIDE

Back

TECHO—BLOC

INSPIRING ARTSCAPES

