

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
	Laborer type 1	\$ _____	_____	\$ _____
	Laborer type 2	\$ _____	_____	\$ _____

TOTAL LABOR COST: \$ _____

GRAND TOTAL COST: \$ _____

Process

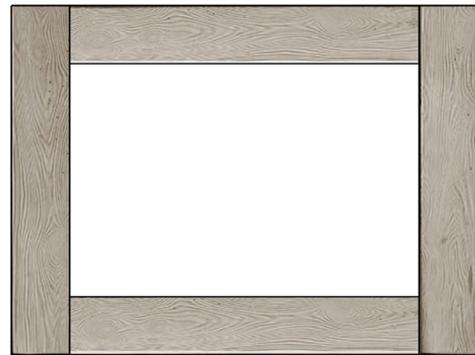
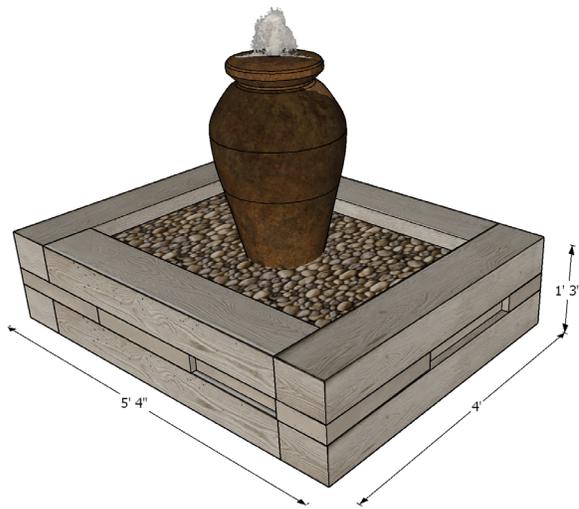
- Run conduits for electricity (to power pump) and water (if installing fill valve)
- Install selected base material
- Screed optional bedding layer
- Install first course of Borealis Wall ensuring units are set square and level
- Install courses of Graphix Wall, marking and cutting as per plan (smooth 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



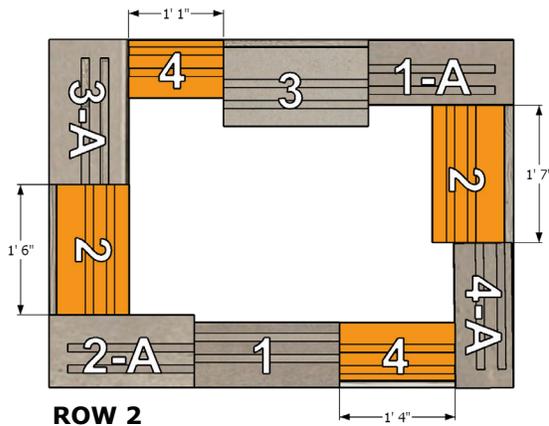
The installation of a compact fill valve simplifies use and maintenance for the homeowner, increasing their enjoyment of the feature.

ROW-BY-ROW DRAWINGS

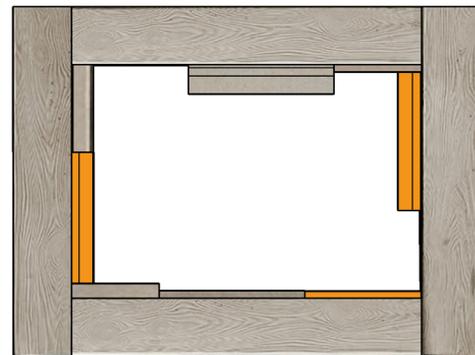
TECHO—BLOC



ROW 1



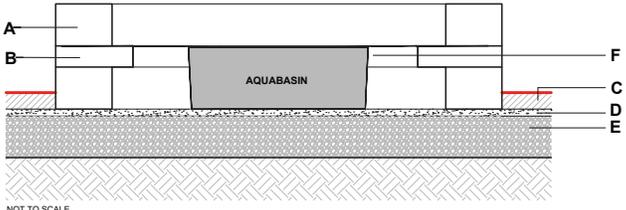
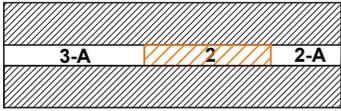
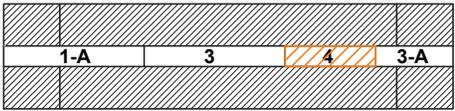
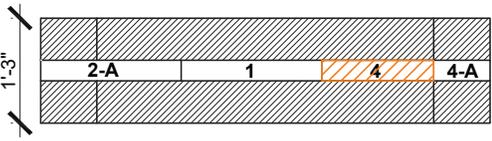
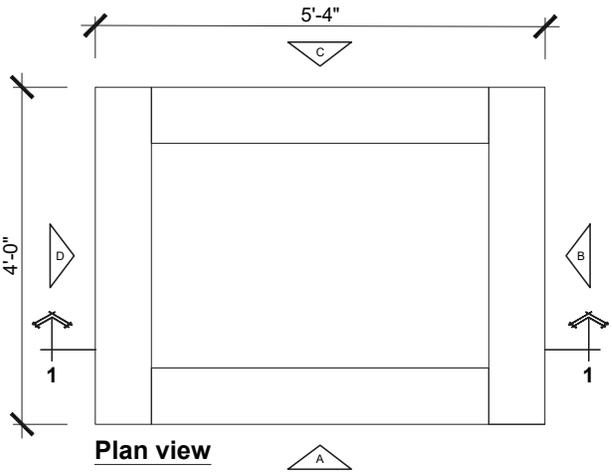
ROW 2



ROW 3

CAD DRAWING

TECHO—BLOC



NOT TO SCALE

QUANTITY OF MATERIALS REQUIRED
 Graphix wall : 2 Rows
 Borealis wall : 2 rows

- A. BOREALIS WALL UNIT
- B. GRAPHIX WALL UNIT, SMOOTH FACE ONLY
- C. TECHO-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)

NOTE: Secure the blocks using a concrete adhesive.

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

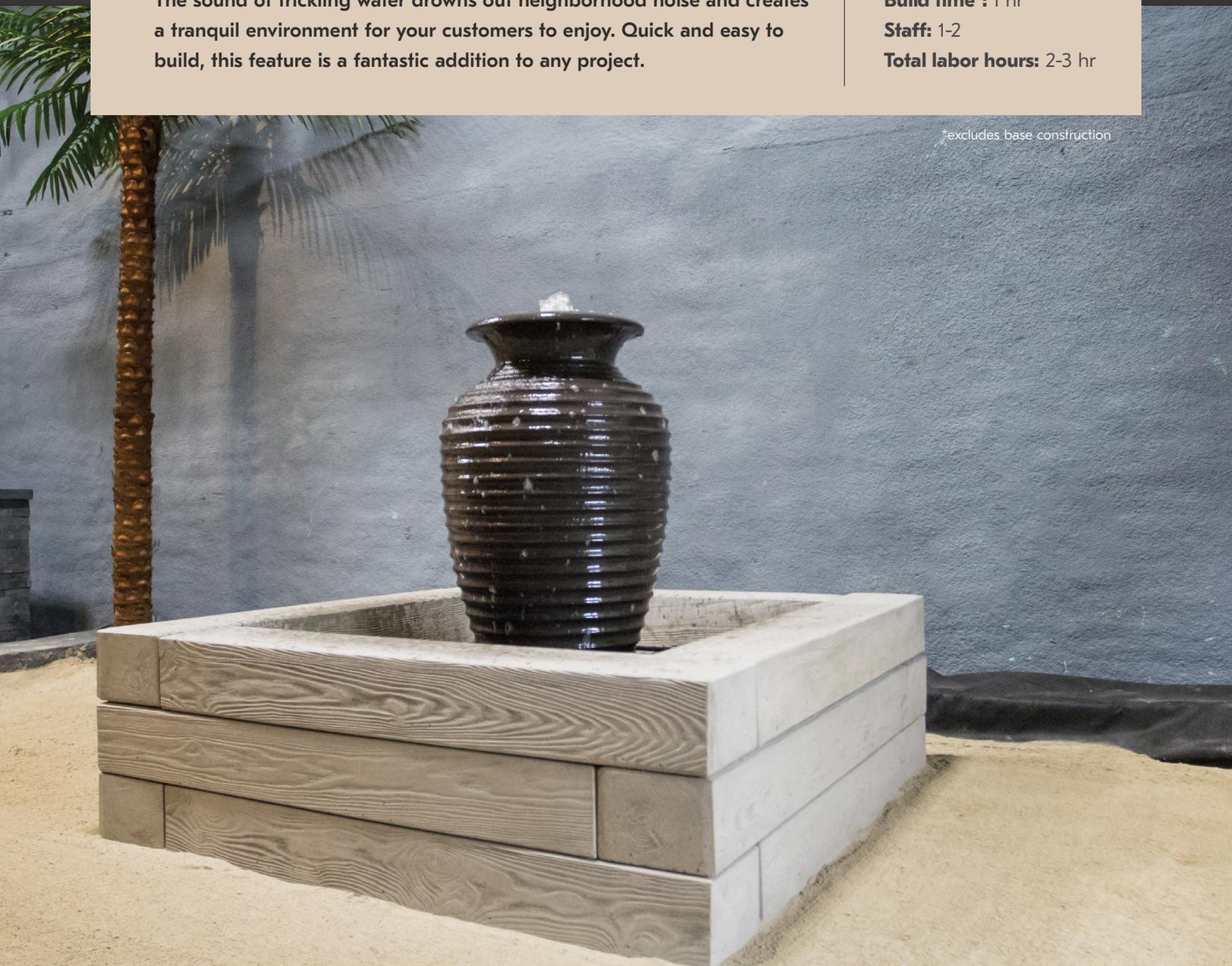
The sound of trickling water drowns out neighborhood noise and creates a tranquil environment for your customers to enjoy. Quick and easy to build, this feature is a fantastic addition to any project.

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
	Laborer type 1	\$ _____	_____	\$ _____
	Laborer type 2	\$ _____	_____	\$ _____

TOTAL LABOR COST: \$ _____

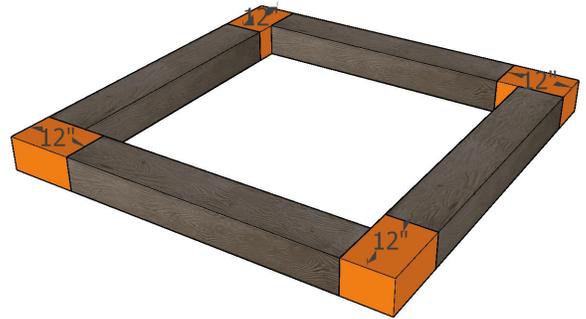
GRAND TOTAL COST: \$ _____

Process

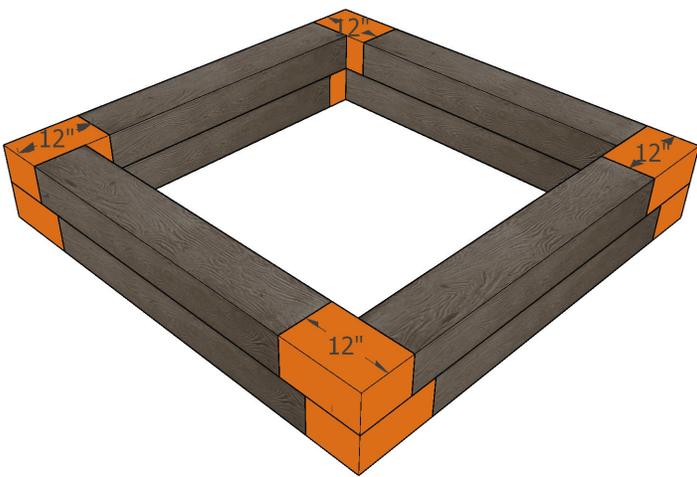
- Run conduits for electricity (to power pump) and water (if installing fill valve)
- Install selected base material
- Screed optional bedding layer
- Install first course of Borealis Wall ensuring units are set square and level
- Partially backfill structure to set correct elevation for Aquabasin so 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

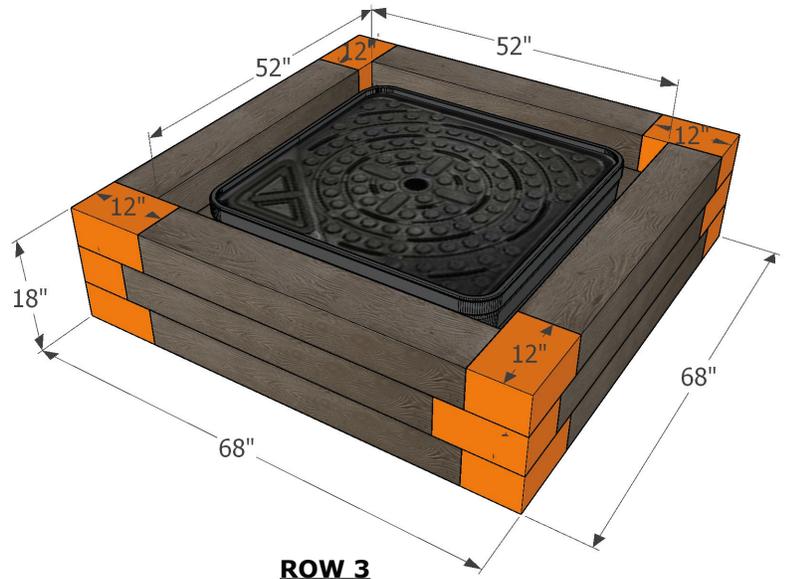
TECHO—BLOC



ROW 1



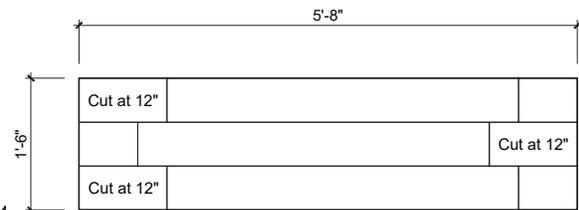
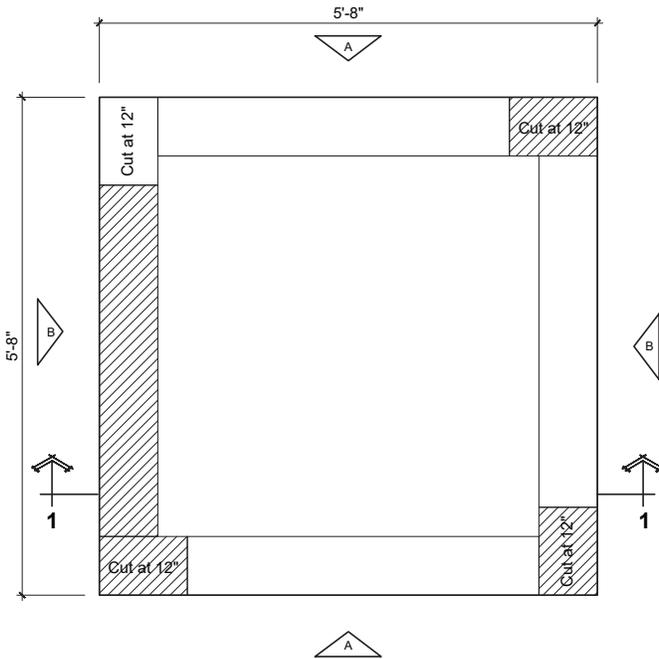
ROW 2



ROW 3

CAD DRAWING

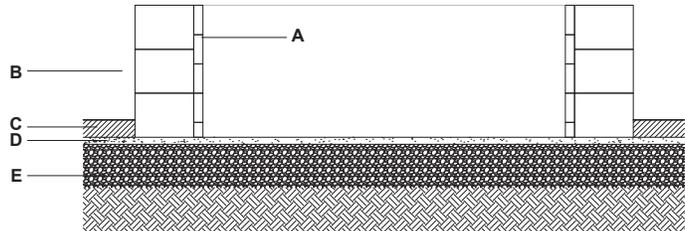
TECHO—BLOC



Elevation A



Elevation B



Section 1-1

QUANTITY OF MATERIALS REQUIRED
Borealis wall unit: 15 pcs

- 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.

RÖCKA WALL ELEVATED WATER FEATURE / "WATER FOUNTAIN" (LENGTH: 3'11³/₄")



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
	Laborer type 1	\$ _____	_____	\$ _____
	Laborer type 2	\$ _____	_____	\$ _____

TOTAL LABOR COST: \$ _____

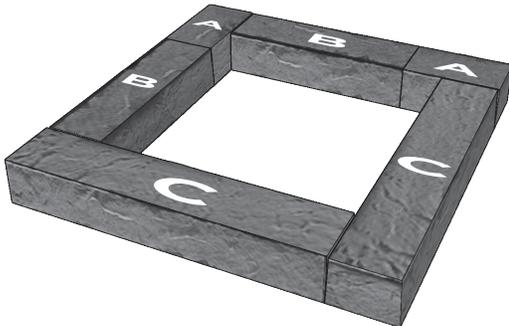
GRAND TOTAL COST: \$ _____

Process

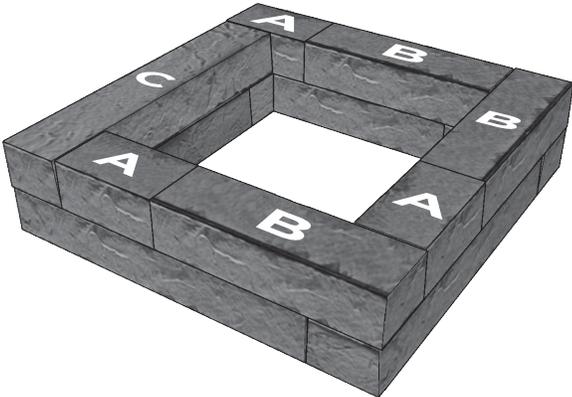
- Run conduits for electrical and water (for optional auto-refill)
- Classify, amend and compact soil subgrade — final surface should not have greater than +/- 3/8" over 10'
- Install appropriate geotextile (extended up sides of excavation and shingled with flow of water)
- Install base (open-graded 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

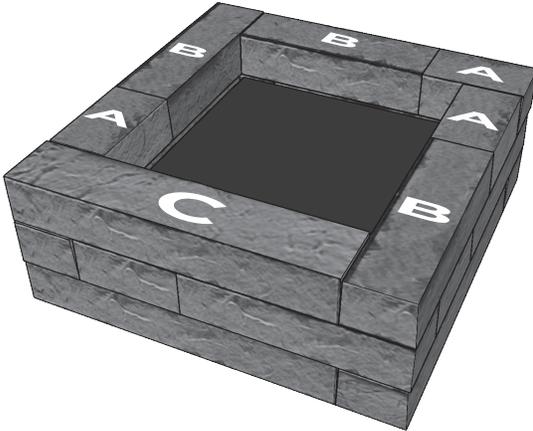
TECHO—BLOC



Row 1



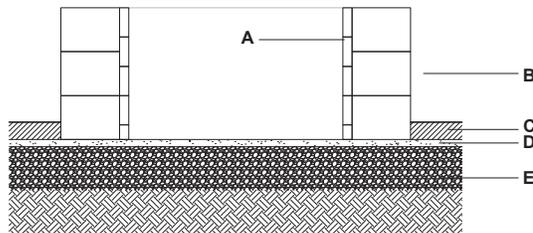
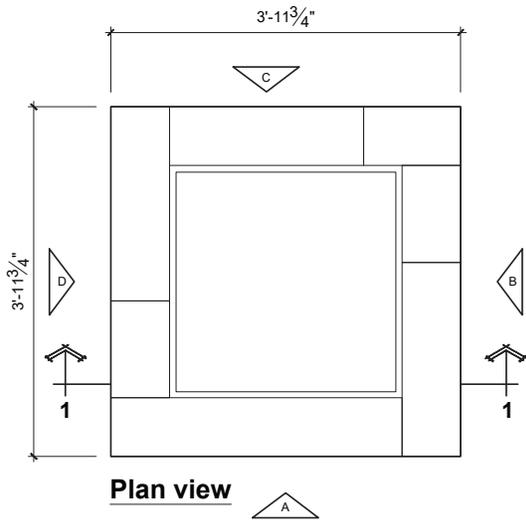
Row 2



Row 3

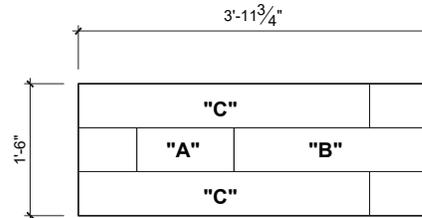
CAD DRAWING

TECHO—BLOC

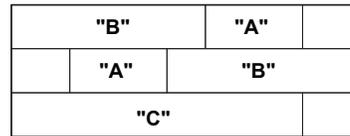


Section 1-1

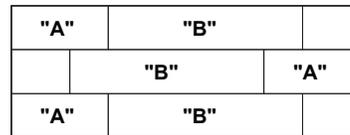
QUANTITY OF MATERIALS REQUIRED
Rocka wall unit: 1 PAL



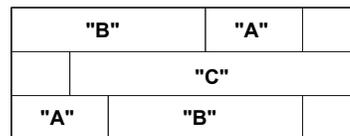
Elevation A



Elevation B



Elevation C



Elevation D

- A. REFRACTORY BRICK
- B. ROCKA WALL UNIT
- C. 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.