

## Technical Bulletin - Concrete Paving System

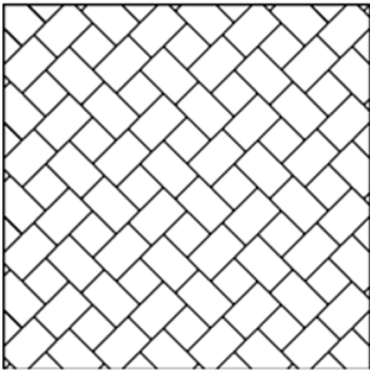
Concrete pavers are strong, durable, easy to install, and provide a value-added option on any project.

### Accessibility

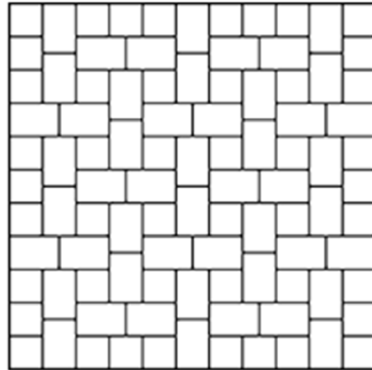
Concrete pavers comply with ADA requirements for slip resistance, surface level and vibration levels.

### Bond Patterns

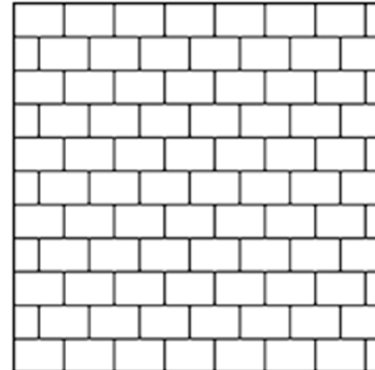
A wide variety of bond patterns are possible. This is just a small sample of possible bond patterns.



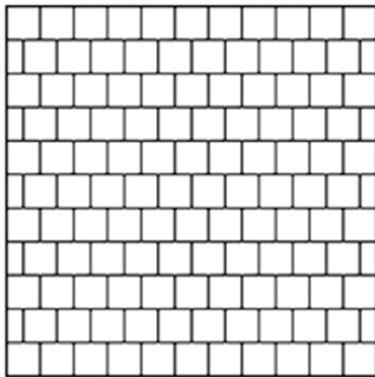
6X6 - 112 PIECES  
6X9 - 224 PIECES



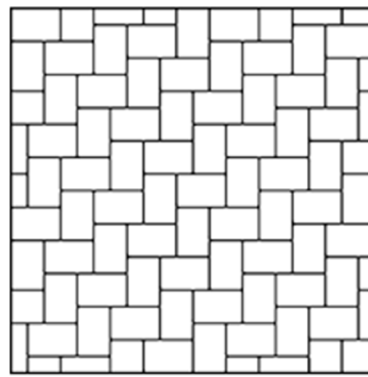
6X6 - 100 PIECES  
6X9 - 225 PIECES



6X9 - 280 PIECES



6X6 - 410 PIECES



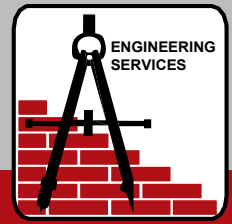
6X9 - 286 PIECES

NOTE: All quantities are based on a 10 x 10 sq ft area

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# General Shale Brick



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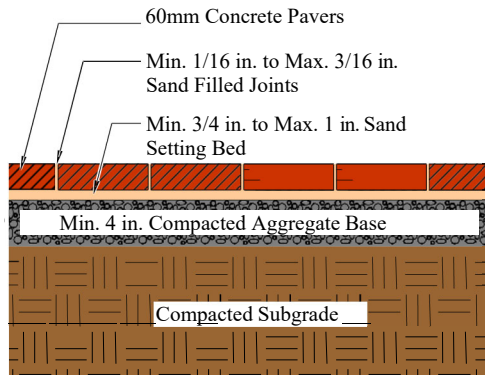
### Typical Average Physical Properties

Compressive Strength	7,200 - 8,000 psi
Absorption	5-6%
Thickness	60mm

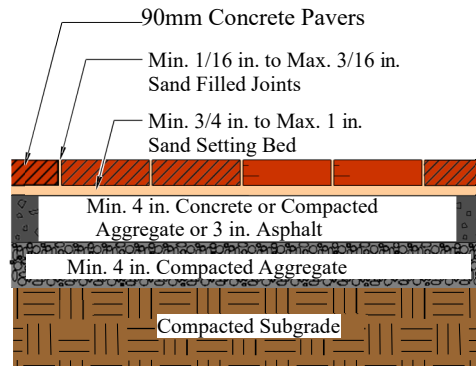
### Dimensional Tolerances

Length	$\pm 1/16''$
Width	$\pm 1/16''$
Height	$\pm 1/8''$

### Recommended Paving Design Sections



**Typical Residential Patio or Walkway**

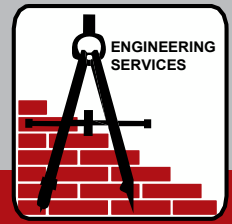


**Typical Residential Driveway**

NOTE: For more applications / details visit the General Shale website [www.generalshale.com](http://www.generalshale.com) Technical Resource section.

### Large Format Pavers

Large format pavers or “stepping stones” (9” x 9” and 12” x 12”) are intended for pedestrian walking surfaces or patios and are not recommended for vehicular applications.



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### Aggregates

Base Stone	Sand – Setting Base	Sand - Jointing
ASTM D 2940	ASTM C 33	ASTM C 144
DOT Road Base	Course Concrete Sand	Masonry Sand (Use <u>after</u> initial compaction with concrete sand)

### Drainage

Slope surface a minimum of 1/4” per foot (2% slope) for adequate water run-off and drainage.

### Geotextile

Prevents aggregates from mixing or migrating into base. Recommend for soft clay base material.

### Cutting Pavers

Wet saw is recommended, splitters are okay for smaller jobs.

### Estimating Materials

#### Sub Base Aggregate

¾” crusher run. For every 100 sq ft of area figure 2 tons of material for 4” thick base.

#### Setting Sand / Bed Sand

For every 125 sq ft of area figure 1 ton of sand for jointing and 1” thick setting bed.