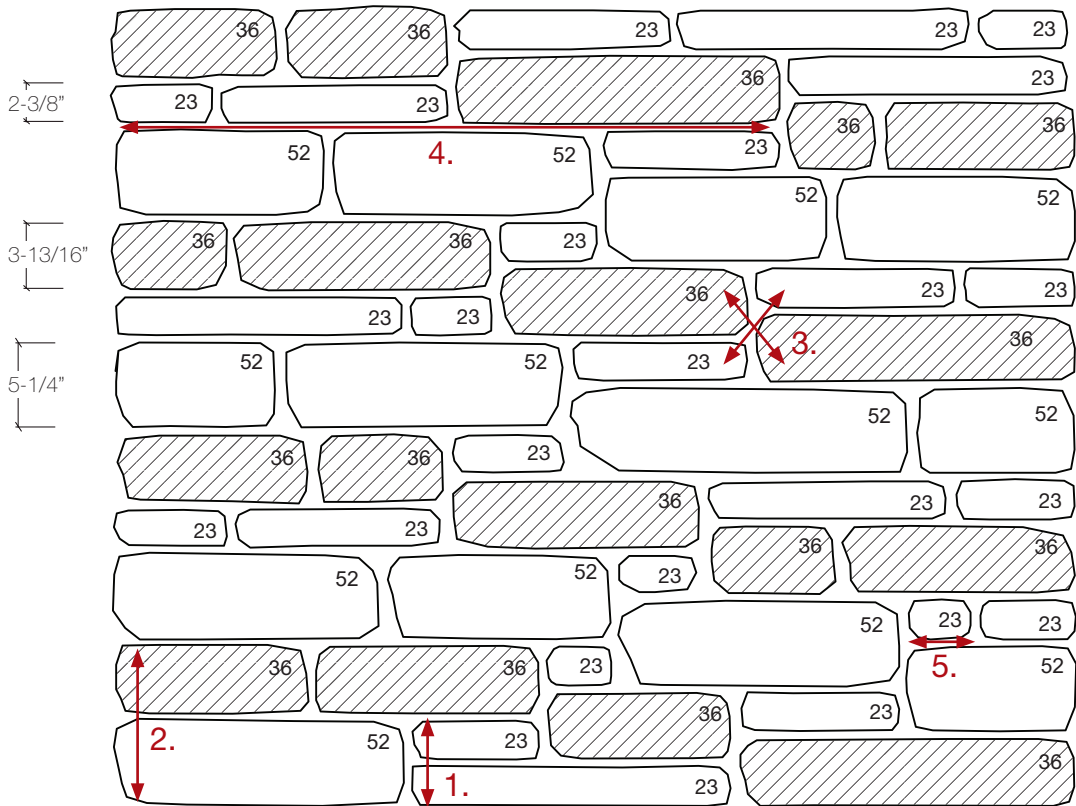


3-Unit Citadel[®] Building Stone

Typical Elevation • 20:40:40 Bond • 1/2" Mortar Joints



Guidelines for Installation:

- Two CIT23 units laid on top of each other will bond with one CIT52.
- Vertical joints are generally formed with a combination of units. Maximum vertical joint is $9-9/16" = \text{CIT36} + 1/2" \text{ mortar joint} + \text{CIT52}$
- Create a cross pattern with two different sized units. Always use CIT36s in a cross pattern. (Eg. CIT36 with CIT23, or CIT36 with CIT52.
- Maximum 3 to 4 foot horizontal joint length depending on wall dimensions.
- Minimum 4" overlap of vertical joints.
- CIT36 units should form a staggered bonding line.

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Avoid:

- Stepping or stringing together more than 2 - 3 units of the same height.
- Creating box patterns in the wall.

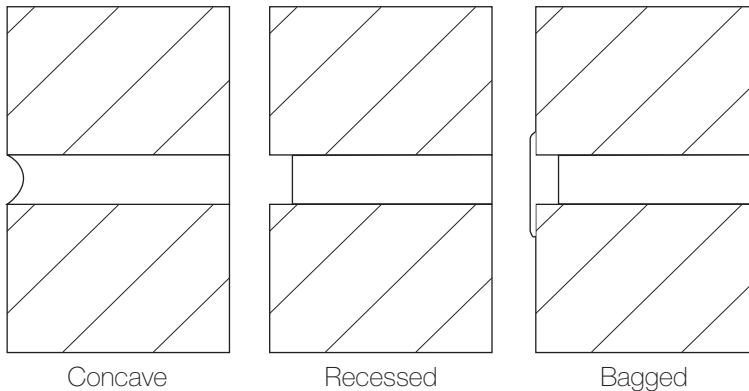
Size	Percent	Pieces* per 32 sq. ft.
CIT23	20	14
CIT36	40	18
CIT52	40	14

*One piece equals 2 lineal feet and may be comprised of 2 or more pieces.

General Installation Guidelines

- Arriscraft recommends the use of a Portland cement-lime mortar, proportioned to a 1:1:6 ratio.
- Masonry units should be laid with full head and bed joints except where they are used for weep holes or ventilation.
- Bevel mortar from rear face to prevent protrusion into cavity.
- Prevent excessive mortar droppings by cutting off excess mortar with trowel as the units are laid.
- Butter head joints of unit being placed in wall.
- Place unit to tightly compress mortar.
- Do not re-adjust unit once it has been set in place.
- Tool joints when mortar is thumbprint hard. This timing will depend on the mortar properties and weather conditions.
- Tool joints to a tightly compressed surface to achieve the most weather resistance. Concave tooled joints provide the best resistance to moisture penetration.
- After tooling, any excess mortar and dust should be brushed from the masonry surface using a soft bristle brush. Avoid rubbing or pressing the mortar into the units.
- Refer to additional guidelines on the BASIC CARE sheet.

Joint Profile:



October 2016