

# SONOMA STONE<sup>®</sup>

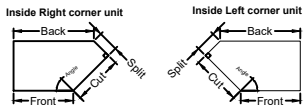
REF: Detail\_SonomaStone\_Angled Inside Corner

## INSIDE CORNER DETAIL

### SonomaStone (1.2m) Inside Modified Corners

| Imperial dimensions |                                  |               |                |              |                |
|---------------------|----------------------------------|---------------|----------------|--------------|----------------|
| Angle (degrees)     | Front (inches)                   | Back (inches) | Split (inches) | Cut (inches) | Unit to Modify |
| 5                   | 23 5/8                           | 24 1/4        | 5/8            | 14 3/4       | Standard       |
| 10                  | 23 5/8                           | 24 7/8        | 1 1/4          | 14 3/4       | Standard       |
| 15                  | 23 5/8                           | 25 5/8        | 2              | 14 3/4       | Standard       |
| 20                  | 23 5/8                           | 26 1/4        | 2 5/8          | 14 3/4       | Standard       |
| 25                  | 23 5/8                           | 26 7/8        | 3 1/4          | 14 3/4       | Standard       |
| 30                  | 23 5/8                           | 27 5/8        | 4              | 14 3/4       | Standard       |
| 35                  | 23 5/8                           | 28 1/4        | 4 5/8          | 14 3/4       | Standard       |
| 40                  | 23 5/8                           | 29            | 5 3/8          | 14 3/4       | Standard       |
| 45                  | 23 5/8                           | 29 3/4        | 6 1/8          | 14 3/4       | Standard       |
| 50                  | 23 5/8                           | 30 1/2        | 6 7/8          | 14 3/4       | Standard       |
| 55                  | 23 5/8                           | 31 1/4        | 7 5/8          | 14 3/4       | Standard       |
| 60                  | 23 5/8                           | 32 1/8        | 8 1/2          | 14 3/4       | Standard       |
| 65                  | 23 5/8                           | 33            | 9 3/8          | 14 3/4       | Standard       |
| 70                  | 23 5/8                           | 34            | 10 3/8         | 14 3/4       | Standard       |
| 75                  | 23 5/8                           | 35            | 11 3/8         | 14 3/4       | Standard       |
| 80                  | 23 5/8                           | 36            | 12 3/8         | 14 3/4       | Standard       |
| 85                  | 23 5/8                           | 37 1/8        | 13 1/2         | 14 3/4       | Standard       |
| 90                  | Use manufactured 90° corner unit |               |                |              |                |
| 91-180              | Not recommended                  |               |                |              |                |

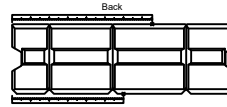
| Metric dimensions |                                  |           |            |          |                |
|-------------------|----------------------------------|-----------|------------|----------|----------------|
| Angle (degrees)   | Front (mm)                       | Back (mm) | Split (mm) | Cut (mm) | Unit to Modify |
| 5                 | 600                              | 616       | 16         | 375      | Standard       |
| 10                | 600                              | 633       | 33         | 375      | Standard       |
| 15                | 600                              | 649       | 49         | 375      | Standard       |
| 20                | 600                              | 666       | 66         | 375      | Standard       |
| 25                | 600                              | 683       | 83         | 375      | Standard       |
| 30                | 600                              | 700       | 100        | 375      | Standard       |
| 35                | 600                              | 718       | 118        | 375      | Standard       |
| 40                | 600                              | 736       | 136        | 375      | Standard       |
| 45                | 600                              | 755       | 155        | 375      | Standard       |
| 50                | 600                              | 775       | 175        | 375      | Standard       |
| 55                | 600                              | 795       | 195        | 375      | Standard       |
| 60                | 600                              | 817       | 217        | 375      | Standard       |
| 65                | 600                              | 839       | 239        | 375      | Standard       |
| 70                | 600                              | 863       | 263        | 375      | Standard       |
| 75                | 600                              | 888       | 288        | 375      | Standard       |
| 80                | 600                              | 915       | 315        | 375      | Standard       |
| 85                | 600                              | 944       | 344        | 375      | Standard       |
| 90                | Use manufactured 90° corner unit |           |            |          |                |
| 91-180            | Not recommended                  |           |            |          |                |



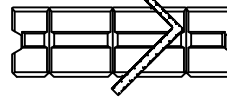
Note:

When the gaps between adjacent geogrids exceed 20 degrees, place additional reinforcement on next course of segmental units immediately above the specified placement elevation, in a manner that eliminates gaps left by previous layer of geosynthetic. Repeat for subsequent courses where geogrids is specified to be located

1. Create modified right corner unit using required unit.



- a. Identify inside angle required. Mark corresponding Front and Back dimensions from left end of unit.



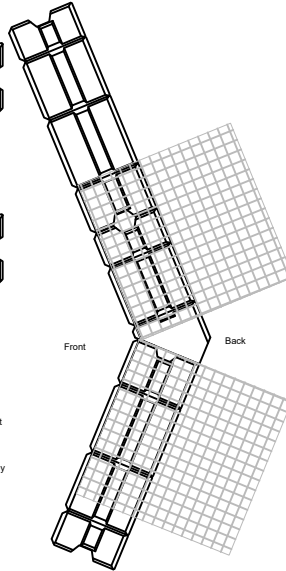
- a. Scribe Split and Cut lines on unit.

- a. Use concrete saw to cut along Cut line.

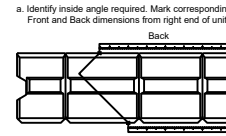
- a. Optional: Use chisel and hammer to score then split along Split line.



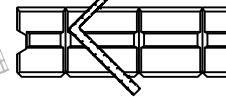
2. Place modified right corner unit on first course.



3. Create modified left corner unit using required unit.



- a. Identify inside angle required. Mark corresponding Front and Back dimensions from right end of unit.



- a. Scribe Split and Cut lines on unit.

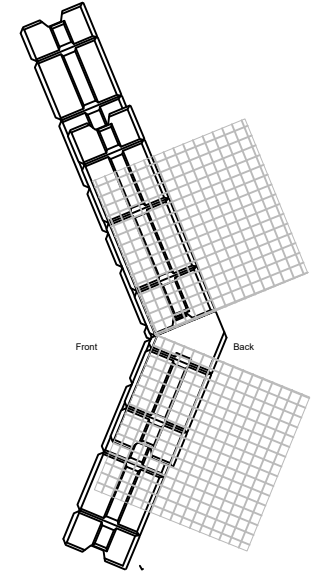
- a. Use concrete saw to cut along Cut line.

- a. Optional: Use chisel and hammer to score then split along Split line.

- a. Use concrete saw to remove key from the left end, leaving approximately 57.5mm (2.3 inches) of the key intact on the right side.



4. Place modified left corner unit on next course.



5. Repeat step 1 through 4 until desired height is achieved.



Engineering design by RisiStone Inc.

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