SIENA STONE®

REF: Detail_SienaStone_333 Angled Outside Corner

SIENASTONE333 OUTSIDE CORNER DETAIL

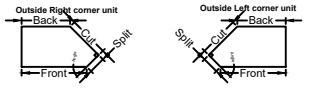
SienaStone333 (1.2m) Outside Modified Corners

Imperial dimensions

Angle [degrees]	Front [inches]	Back [inches]	Split [inches]	Cut [inches]	Unit to Modify
5	24 1/2	23 5/8	7/8	19 5/8	Standard
10	25 3/8	23 5/8	1 3/4	19 5/8	Standard
15	26 1/4	23 5/8	2 5/8	19 5/8	Standard
20	27 1/8	23 5/8	3 1/2	19 5/8	Standard
25	28	23 5/8	4 3/8	19 5/8	Standard
30	28 7/8	23 5/8	5 1/4	19 5/8	Standard
35	29 7/8	23 5/8	6 1/4	19 5/8	Standard
40	30 3/4	23 5/8	7 1/8	19 5/8	Standard
45	31 3/4	23 5/8	8 1/8	19 5/8	90° corner
50	32 3/4	23 5/8	9 1/8	19 5/8	90° corner
55	33 7/8	23 5/8	10 1/4	19 5/8	90° corner
60	35	23 5/8	11 3/8	19 5/8	90° corner
65	36 1/8	23 5/8	12 1/2	19 5/8	90° corner
70	37 3/8	23 5/8	13 3/4	19 5/8	90° corner
75	38 3/4	23 5/8	15 1/8	19 5/8	90° corner
80	40 1/8	23 5/8	16 1/2	19 5/8	90° corner
85	41 5/8	23 5/8	18	19 5/8	90° corner
90	Use manufactured 90° corner unit				
91-180	Not recommended				

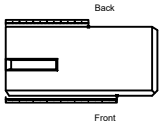
Metric dimensions

Angle [degrees]	Front [mm]	Back [mm]	Split [mm]	Cut [mm]	Unit to Modify
5	622	600	22	500	Standard
10	644	600	44	500	Standard
15	666	600	66	500	Standard
20	688	600	88	500	Standard
25	711	600	111	500	Standard
30	734	600	134	500	Standard
35	758	600	158	500	Standard
40	782	600	182	500	Standard
45	807	600	207	500	90° corner
50	833	600	233	500	90° corner
55	860	600	266	500	90° corner
60	889	600	289	500	90° corner
65	919	600	319	500	90° corner
70	950	600	350	500	90° corner
75	984	600	384	500	90° corner
80	1020	600	420	500	90° corner
85	1058	600	458	500	90° corner
90	Use manufactured 90° corner unit				
91-180	Not recommended				

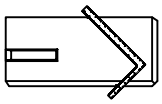


1. Create modified right corner unit using required unit.

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



b. Mark Split and Cut dimensions on square. Line up marks on square with marks on unit

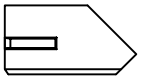


c. Scribe Split and Cut lines on unit.

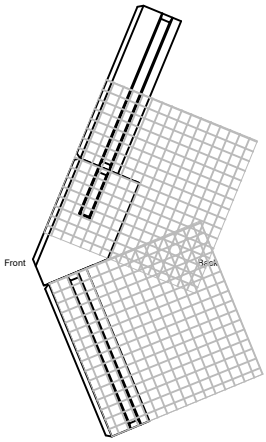
d. Use concrete saw to cut along Cut line.

e. Use chisel and hammer to score then split along Split line.

f. If necessary, use concrete saw to remove knob from the right end, leaving approximately 575mm (23 inches) of the key intact at the left side.

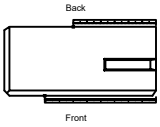


2. Place modified right corner unit on first course. (Place SienaStone333 units)

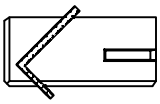


3. Create modified left corner unit using required unit.

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



b. Mark Split and Cut dimensions on square. Line up marks on square with marks on block

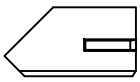


c. Scribe Split and Cut lines on unit.

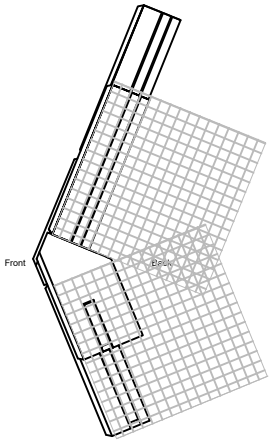
d. Use concrete saw to cut along Cut line.

e. Use chisel and hammer to score then split along Split line.

f. If necessary, use concrete saw to remove knob from the left end, leaving approximately 575mm (23 inches) of the key intact on the right side.



4. Place modified left corner unit on next course. (Place SienaStone333 units)



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

3in. (76mm) of soil required between overlapping reinforcement for proper anchorage if both layers placed at the same SRW unit elevation.

Note:

Alternative to overlapping in a single course, reinforcement could be placed in the perpendicular principle direction in the cross-over area on the subsequent course

RisiStone

Engineering design by RisiStone Inc.