

PISA[®] / ROMAN PISA[®]

OUTSIDE CORNER 12" (300MM) CORNER UNIT

REF: Detail_Pisa_Roman Pisa_Outside Corner Construction

Pisa2 / RomanPisa (300mm) Outside Modified Corners

Imperial dimensions

Angle [degrees]	Front [inches]	Back [inches]	Split [inches]	Cut [inches]	Unit to Modify
5	4 1/4	3 7/8	3/8	7 7/8	90° corner
10	4 5/8	3 7/8	3/4	7 7/8	90° corner
15	5	3 7/8	1	7 7/8	90° corner
20	5 3/8	3 7/8	1 3/8	7 7/8	90° corner
25	5 5/8	3 7/8	1 3/4	7 7/8	90° corner
30	6	3 7/8	2 1/8	7 7/8	90° corner
35	6 3/8	3 7/8	2 1/2	7 7/8	90° corner
40	6 3/4	3 7/8	2 7/8	7 7/8	90° corner
45	7 1/4	3 7/8	3 1/4	7 7/8	90° corner
50	7 5/8	3 7/8	3 5/8	7 7/8	90° corner
55	8	3 7/8	4 1/8	7 7/8	90° corner
60	8 1/2	3 7/8	4 1/2	7 7/8	90° corner
65	9	3 7/8	5	7 7/8	90° corner
70	9 1/2	3 7/8	5 1/2	7 7/8	90° corner
75	10	3 7/8	6	7 7/8	90° corner
80	10 1/2	3 7/8	6 5/8	7 7/8	90° corner
85	11 1/8	3 7/8	7 1/4	7 7/8	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	109	100	9	200	90° corner
10	117	100	17	200	90° corner
15	126	100	26	200	90° corner
20	135	100	35	200	90° corner
25	144	100	44	200	90° corner
30	154	100	54	200	90° corner
35	163	100	63	200	90° corner
40	173	100	73	200	90° corner
45	183	100	83	200	90° corner
50	193	100	93	200	90° corner
55	204	100	104	200	90° corner
60	215	100	115	200	90° corner
65	227	100	127	200	90° corner
70	240	100	140	200	90° corner
75	253	100	153	200	90° corner
80	268	100	168	200	90° corner
85	283	100	183	200	90° corner
90	Use manufactured 90° corner unit				
91-180	Not recommended				

Outside Right corner unit



Outside Left corner unit

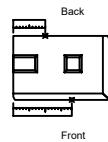


Note:

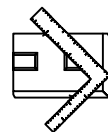
Alternative to overlapping in a single course, reinforcement could be placed in the perpendicular principle direction in the cross-over area on the subsequent course

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.

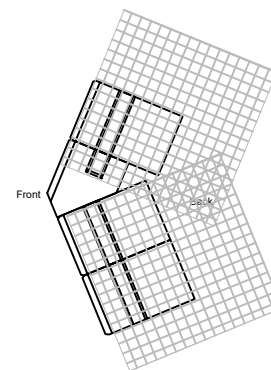
d. Use concrete saw to cut along Cut line.

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

f. Use concrete saw to remove knob from the right end, leaving approximately 75mm (3 inches) of the key intact at the left side.

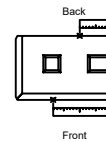


2. Place modified right corner unit on first course.



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.



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.

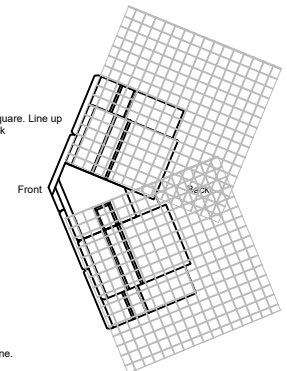
d. Use concrete saw to cut along Cut line.

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

f. Use concrete saw to remove knob from the left end, leaving approximately 75mm (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.

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



Engineering design by RisiStone Inc.

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