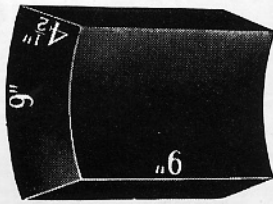
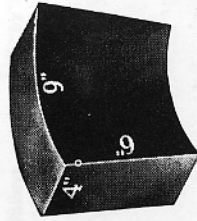


CUPOLA (OR CALLIAU) BLOCKS
4 1/2" LINING (9" —) x 4 1/2" x 9"



No. of Block	Dimensions	DIAMETER OF LINING		No. Blocks to Circle
		Inside	Outside	
A	(9") x 4 1/2" x 9"	16"	25"	9
1A	(9") x 4 1/2" x 9"	18"	27"	10
B	(9") x 4 1/2" x 9"	21"	30"	11
2B	(9") x 4 1/2" x 9"	24"	33"	12
C	(9") x 4 1/2" x 9"	27"	36"	13
D	(9") x 4 1/2" x 9"	30"	39"	14
2D	(9") x 4 1/2" x 9"	33"	42"	15
3D	(9") x 4 1/2" x 9"	36"	45"	16
E	(9") x 4 1/2" x 9"	40"	49"	18
AE	(9") x 4 1/2" x 9"	42"	51"	18
CE	(9") x 4 1/2" x 9"	47"	56"	20
2E	(9") x 4 1/2" x 9"	48"	57"	20
F	(9") x 4 1/2" x 9"	51"	60"	21
2F	(9") x 4 1/2" x 9"	56"	65"	23
G	(9") x 4 1/2" x 9"	60"	69"	24
H	(9") x 4 1/2" x 9"	73"	82"	29

ROTARY KILN BLOCKS
6" LINING (9" —) x 6" x 4" *
9" LINING (9" —) x 9" x 4" **



4 1/2", 7 1/2", and other lining thicknesses also available

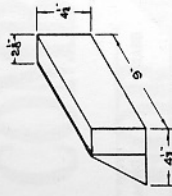
Much of the success of refractory liners in cement, lime and other kilns is dependent upon the application of the proper refractory to meet varying operating conditions. To meet these conditions, A. P. Green rotary kiln liners are made in several qualities, from 40% alumina to and including 90% alumina. Each is manufactured with the right physical properties necessary to fill a specific need in the various zones of rotary kilns.

Rotary kiln liners in each quality are ideally suited to a specific zone of the kiln. They will take on and retain a coating where this is needed, thus protecting the brick to give long, trouble-free service, as well as reducing heat loss through the lining.

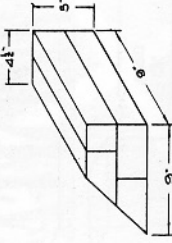
The Engineering Department of A. P. Green Industries, Inc., offers its facilities, without obligation to you, in determining the proper refractories to meet your specific operating conditions.

*See table on page 111. **See table on pages 130 and 131.

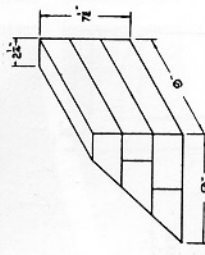
SKEWS BUILT FROM STANDARD 9" BRICK



For 4 1/2" Arch; Rise = 1 1/2" per Foot of Span. One Skew Requires — One Featheredge; 9" x 4 1/2" x (2 1/2" x 1/8"), One 2" Brick—9" x 4 1/2" x 2".
 See Tables, Pages 149, 150.

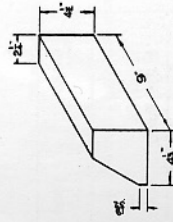


For 4 1/2" Arch; Rise = 2.302" per Foot of Span. One Skew Requires — Two Side Skews 9" x (4 1/2" x 2 1/4") x 2 1/2"; One Straight Brick — 9" x 4 1/2" x 2 1/2"; One Soap Brick—9" x 2 1/2" x 2 1/4".
 See Tables, Pages 155, 156.

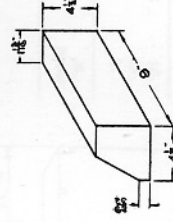


For 9" Arch; Rise = 2.302" per Foot of Span. One Skew Requires — Three Side Skews 9" x (4 1/2" x 2 1/4") x 2 1/2"; One Straight Brick — 9" x 4 1/2" x 2 1/2"; One Soap Brick—9" x 2 1/2" x 2 1/4".
 See Tables, Pages 173, 175.

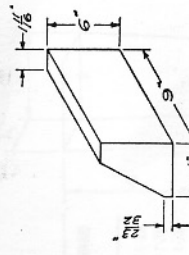
SPECIAL SKEWS



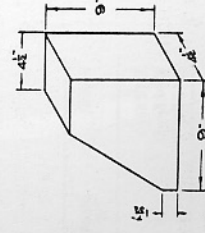
4160-A—For 4 1/2" Arch; Rise = 1.608" per Foot of Span, Central Angle = 60°; and Radius = Span.
 See Tables, Pages 151, 152.



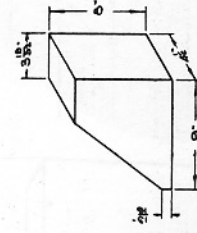
4160-C—For 4 1/2" Arch; Rise = 2" per Foot of Span.
 See Tables, Pages 153, 154.



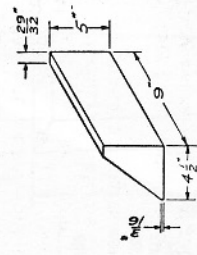
4160-E—For 6" Arch; Rise = 1 1/2" per Foot of Span.
 See Table, Page 157.



4160-B—For 9" Arch; Rise = 1.608" per Foot of Span, Central Angle = 60°; and Radius = Span.
 See Tables, Pages 165, 168.



4160-D—For 9" Arch; Rise = 2" per Foot of Span.
 See Tables, Pages 169, 172.



4160-F—For 6" Arch; Rise = 2" per Foot of Span.
 See Table, Page 159.