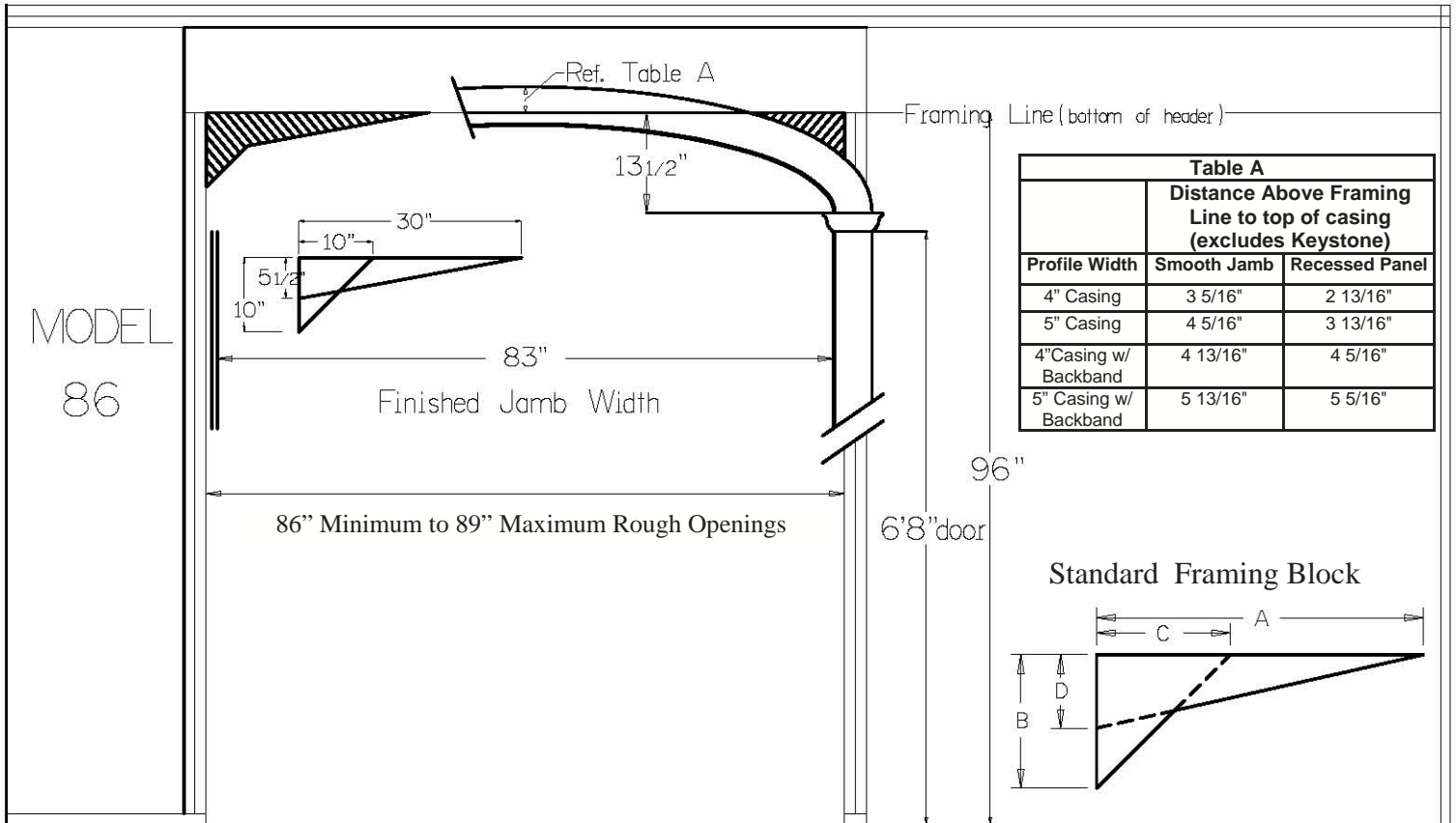


# GRAND OPENINGS BY UDI, INC

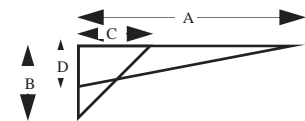
## FRAMING SPECIFICATIONS



- The top of the capital block on Elliptical and Eyebrow units can be placed at any height by installing header at 13 1/2" above the desired capital height for 12" rise units and 21 1/2" above the desired capital height for 20" rise units.
- When using 104 7/8" studs and 11 3/4" header the capital will be centered at the top of a 6'8" door.
- When using capitals, the rough opening needs to be placed 6 1/4" away from a corner to allow for the capital width. If two openings meet in a corner, rough opening needs to be 8 3/4" away from corner.
- All units have a 3/16" jamb reveal.
- Capital Vertical Height is 2 1/2" and extends 1 1/2" beyond casing.
- Opening Models 118 and Larger come in two pieces and ship with a keystone to cover the seam.
- Individual Framing Instructions for each Model Size are available on our website at <http://www.grandopenings1.com/framing.htm>

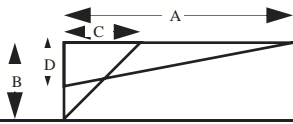
Elliptical Framing Instructions use the above diagram and chart from following page.

Eyebrow Units see page 20-21, Halfround Units see page 22



<b>12" Rise Elliptical Design Framing Specifications (All Dimensions in Inches)</b>											
			Outside Finished Width					Dimensions of Rough-In Framing Blocks			
Opening Model #	Rough Opening Width (Min - Max)	Finished Jamb Width	4" Casing No Capitals	4" Casing w/ Backband or Capitals	5" Casing No Capitals	5" Casing w/ Backband or Capitals	#625 Pilaster	"A"	"B"	"C"	"D"
30,12" rise	30 - 33	27	35 3/8	38 3/8	37 3/8	40 3/8	42 7/8	12	8 1/2	8 1/2	5 1/2
32,12" rise	32 - 35	29	37 3/8	40 3/8	39 3/8	42 3/8	44 7/8	12	8 1/2	8 1/2	5 1/2
34,12" rise	34 - 37	31	39 3/8	42 3/8	41 3/8	44 3/8	46 7/8	12	8 1/2	8 1/2	5 1/2
36,12" rise	36 - 39	33	41 3/8	44 3/8	43 3/8	46 3/8	48 7/8	14	8 1/2	8 1/2	5 1/2
38,12" rise	38 - 41	35	43 3/8	46 3/8	45 3/8	48 3/8	50 7/8	14	8 1/2	8 1/2	5 1/2
40,12" rise	40 - 43	37	45 3/8	48 3/8	47 3/8	50 3/8	52 7/8	15	9	9 1/2	6
42,12" rise	42 - 45	39	47 3/8	50 3/8	49 3/8	52 3/8	54 7/8	15	9	9 1/2	6
44,12" rise	44 - 47	41	49 3/8	52 3/8	51 3/8	54 3/8	56 7/8	16	9 1/2	9 1/2	6
46,12" rise	46 - 49	43	51 3/8	54 3/8	53 3/8	56 3/8	58 7/8	16	9 1/2	9 1/2	6
48,12" rise	48 - 51	45	53 3/8	56 3/8	55 3/8	58 3/8	61 7/8	17	9 1/2	9 1/2	6
50,12" rise	50 - 53	47	55 3/8	58 3/8	57 3/8	60 3/8	62 7/8	17	9 1/2	9 1/2	6
54,12" rise	54 - 57	51	59 3/8	62 3/8	61 3/8	64 3/8	66 7/8	19	9 1/2	9 1/2	6
58,12" rise	58 - 61	55	63 3/8	66 3/8	65 3/8	68 3/8	70 7/8	22	10	10	6
62,12" rise	62 - 65	59	67 3/8	70 3/8	69 3/8	72 3/8	74 7/8	22	10	10	6
66,12" rise	66 - 69	63	71 3/8	74 3/8	73 3/8	76 3/8	78 7/8	24	10	10	5 1/2
70,12" rise	70 - 73	67	75 3/8	78 3/8	77 3/8	80 3/8	82 7/8	24	10	10	5 1/2
72,12" rise	72 - 75	69	77 3/8	80 3/8	79 3/8	82 3/8	84 7/8	25	10 1/2	10 1/2	5 1/2
74,12" rise	74 - 77	71	79 3/8	82 3/8	81 3/8	84 3/8	86 7/8	27	10 1/2	10 1/2	5 1/2
78,12" rise	78 - 81	75	83 3/8	86 3/8	85 3/8	88 3/8	90 7/8	27	10 1/2	10 1/2	5 1/2
82,12" rise	82 - 85	79	87 3/8	90 3/8	89 3/8	92 3/8	94 7/8	30	10 1/2	10 1/2	5 1/2
86,12" rise	86 - 89	83	91 3/8	94 3/8	93 3/8	96 3/8	98 7/8	30	10 1/2	10 1/2	5 1/2
90,12" rise	90 - 93	87	95 3/8	98 3/8	97 3/8	100 3/8	102 7/8	33	10 1/2	10 1/2	5 1/2
94,12" rise	94 - 97	91	99 3/8	102 3/8	101 3/8	104 3/8	106 7/8	33	10 1/2	10 1/2	5 1/2
98,12" rise	98 - 101	95	103 3/8	106 3/8	105 3/8	108 3/8	110 7/8	35	10 1/2	10 1/2	5 1/2
102,12" rise	102 - 105	99	107 3/8	110 3/8	109 3/8	112 3/8	114 7/8	35	10 1/2	10 1/2	5 1/2
106,12" rise	106 - 109	103	111 3/8	114 3/8	113 3/8	116 3/8	118 7/8	35	10 1/2	10 1/2	5 1/2
110,12" rise	110 - 113	107	115 3/8	118 3/8	117 3/8	120 3/8	122 7/8	35	10 1/2	10 1/2	5 1/2
114,12" rise	114 - 117	111	119 3/8	122 3/8	121 3/8	124 3/8	126 7/8	36	10 1/2	10 1/2	5 1/2
118*,12" rise	118 - 121	115	123 3/8	126 3/8	125 3/8	128 3/8	130 7/8	36	10 1/2	10 1/2	5 1/2
122*,12" rise	122 - 125	119	127 3/8	130 3/8	129 3/8	132 3/8	134 7/8	41	10 1/4	10 1/4	6
126*,12" rise	126 - 129	123	131 3/8	134 3/8	133 3/8	136 3/8	138 7/8	41	10 1/4	10 1/4	6
130*,12" rise	130 - 133	127	135 3/8	138 3/8	137 3/8	140 3/8	142 7/8	43	10 1/4	10 1/4	6
134*,12" rise	134 - 137	131	139 3/8	142 3/8	141 3/8	144 3/8	146 7/8	43	10 1/4	10 1/4	6
138*,12" rise	138 - 141	135	143 3/8	146 3/8	145 3/8	148 3/8	150 7/8	46	10 1/4	10 1/4	6
142*,12" rise	142 - 145	139	147 3/8	150 3/8	149 3/8	152 3/8	154 7/8	46	10 1/4	10 1/4	6
146*,12" rise	146 - 149	143	151 3/8	154 3/8	153 3/8	156 3/8	158 7/8	49	10 1/4	10 1/4	5 3/4
150*,12" rise	150 - 153	147	155 3/8	158 3/8	157 3/8	160 3/8	162 7/8	49	10 1/4	10 1/4	5 3/4
154*,12" rise	154 - 157	151	159 3/8	162 3/8	161 3/8	164 3/8	166 7/8	51	10 1/4	10 1/4	5 3/4
158*,12" rise	158 - 161	155	163 3/8	166 3/8	165 3/8	168 3/8	170 7/8	51	10 1/4	10 1/4	5 3/4
162*,12" rise	162 - 165	159	167 3/8	170 3/8	169 3/8	172 3/8	174 7/8	53	10 1/4	10 1/4	5 3/4
166*,12" rise	166 - 169	163	171 3/8	174 3/8	173 3/8	176 3/8	178 7/8	53	10 1/4	10 1/4	5 3/4
170*,12" rise	170 - 173	167	175 3/8	178 3/8	177 3/8	180 3/8	182 7/8	55	10 1/4	10 1/4	5 3/4

\*Assembled in two pieces with a Keystone and Moulding Key Extension to cover seam.  
All dimensions assume a 1/4" tolerance.



Grand Openings By UDI, Inc  
(479) 925-1318

**20" Rise Elliptical Design Framing Specifications (All Dimensions in Inches)**

Opening Model #	Rough Opening Width (Min - Max)	Finished Jamb Width	Outside Finished Width					Dimensions of Rough-In Framing Blocks			
			4"Casing No Capitals	4"Casing w/ Backband or Capitals	5"Casing No Capitals	5"Casing w/ Backband or Capitals	#625 Pilaster	"A"	"B"	"C"	"D"
30, 20" rise	30 - 33	27	34 3/8	37 3/8	36 3/8	39 3/8	41 7/8	11	11	6	6
32, 20" rise	32 - 35	29	37 3/8	40 3/8	39 3/8	42 3/8	44 7/8	12	12	7	7
34, 20" rise	34 - 37	31	39 3/8	42 3/8	41 3/8	44 3/8	46 7/8	13	13	7	7
36, 20" rise	36 - 39	33	41 3/8	44 3/8	43 3/8	46 3/8	48 7/8	14	14	7	7
38, 20" rise	38 - 41	35	43 3/8	46 3/8	45 3/8	48 3/8	50 7/8	15	15	7	7
40, 20" rise	40 - 43	37	45 3/8	48 3/8	47 3/8	50 3/8	52 7/8	16	16	7	7
42, 20" rise	42 - 45	39	47 3/8	50 3/8	49 3/8	52 3/8	54 7/8	16	16	8	8
44, 20" rise	44 - 47	41	49 3/8	52 3/8	51 3/8	54 3/8	56 7/8	14	17	7 1/2	11
46, 20" rise	46 - 49	43	51 3/8	54 3/8	53 3/8	56 3/8	58 7/8	14	17	7 1/2	11
48, 20" rise	48 - 51	45	53 3/8	56 3/8	55 3/8	58 3/8	60 7/8	15	17	7 1/2	11
50, 20" rise	50 - 53	47	55 3/8	58 3/8	57 3/8	60 3/8	62 7/8	15	17 1/2	7 1/2	12 1/2
54, 20" rise	54 - 57	51	59 3/8	62 3/8	61 3/8	64 3/8	66 7/8	16	17 1/2	8	12 1/2
58, 20" rise	58 - 61	55	63 3/8	66 3/8	65 3/8	68 3/8	70 7/8	17	17 1/2	8	12 1/2
62, 20" rise	62 - 65	59	67 3/8	70 3/8	69 3/8	72 3/8	74 7/8	18	17 1/2	8	12 1/2
66, 20" rise	66 - 69	63	71 3/8	74 3/8	73 3/8	76 3/8	78 7/8	19	17 1/2	9	12 1/2
70, 20" rise	70 - 73	67	75 3/8	78 3/8	77 3/8	80 3/8	82 7/8	20	17 1/2	10	12 1/2
72, 20" rise	72 - 75	69	77 3/8	80 3/8	79 3/8	82 3/8	84 7/8	21	17 1/2	10	12 1/2
74, 20" rise	74 - 77	71	79 3/8	82 3/8	81 3/8	84 3/8	86 7/8	21	17 1/2	10	12 1/2
78, 20" rise	78 - 81	75	83 3/8	86 3/8	85 3/8	88 3/8	90 7/8	22	17 1/2	11	12 1/2
82, 20" rise	82 - 85	79	87 3/8	90 3/8	89 3/8	92 3/8	94 7/8	23	17 1/2	12	12 1/2
86, 20" rise	86 - 89	83	91 3/8	94 3/8	93 3/8	96 3/8	98 7/8	25	18	12	12 1/2
90, 20" rise	90 - 93	87	95 3/8	98 3/8	97 3/8	100 3/8	102 7/8	26	18	12	12 1/2
94, 20" rise	94 - 97	91	99 3/8	102 3/8	101 3/8	104 3/8	106 7/8	27	18	13	12 1/2
98, 20" rise	98 - 101	95	103 3/8	106 3/8	105 3/8	108 3/8	110 7/8	28	18	13	12 1/2
102, 20" rise	102 - 105	99	107 3/8	110 3/8	109 3/8	112 3/8	114 7/8	29	18	13	12 1/2
106, 20" rise	106 - 109	103	111 3/8	114 3/8	113 3/8	116 3/8	118 7/8	30	18	13	12 1/2
110, 20" rise	110 - 113	107	115 3/8	118 3/8	117 3/8	120 3/8	122 7/8	31	18	13	12 1/2
114, 20" rise	114 - 117	111	119 3/8	122 3/8	121 3/8	124 3/8	126 7/8	33	18 1/2	13 1/2	12 1/2
118*, 20" rise	118 - 121	115	123 3/8	126 3/8	125 3/8	128 3/8	130 7/8	33	18 1/2	13 1/2	12 1/2
122*, 20" rise	122 - 125	119	127 3/8	130 3/8	129 3/8	132 3/8	134 7/8	35	18 1/2	14 1/2	12 1/2
126*, 20" rise	126 - 129	123	131 3/8	134 3/8	133 3/8	136 3/8	138 7/8	35	18 1/2	14 1/2	12 1/2
130*, 20" rise	130 - 133	127	135 3/8	138 3/8	137 3/8	140 3/8	142 7/8	37	18 1/2	15	12 1/2
134*, 20" rise	134 - 137	131	139 3/8	142 3/8	141 3/8	144 3/8	146 7/8	37	18 1/2	15	12 1/2
138*, 20" rise	138 - 141	135	143 3/8	146 3/8	145 3/8	148 3/8	150 7/8	39	18 1/2	15	12 1/2
142*, 20" rise	142 - 145	139	147 3/8	150 3/8	149 3/8	152 3/8	154 7/8	39	18 1/2	15	12 1/2
146*, 20" rise	146 - 149	143	151 3/8	154 3/8	153 3/8	156 3/8	158 7/8	41	18 1/2	16	12 1/2
150*, 20" rise	150 - 153	147	155 3/8	158 3/8	157 3/8	160 3/8	162 7/8	41	18 1/2	16	12 1/2
154*, 20" rise	154 - 157	151	159 3/8	162 3/8	161 3/8	164 3/8	166 7/8	43	18 1/2	17	12 1/2
158*, 20" rise	158 - 161	155	163 3/8	166 3/8	165 3/8	168 3/8	170 7/8	43	18 1/2	17	12 1/2
162*, 20" rise	162 - 165	159	167 3/8	170 3/8	169 3/8	172 3/8	174 7/8	46	18 1/2	18	12 1/2
166*, 20" rise	166 - 169	163	171 3/8	174 3/8	173 3/8	176 3/8	178 7/8	46	18 1/2	18	12 1/2
170*, 20" rise	170 - 173	167	175 3/8	178 3/8	177 3/8	180 3/8	182 7/8	46	18 1/2	18	12 1/2

20" Rise units are only recommended for 10' ceilings or greater. See Page 6-7 For more info.

\*Assembled in two pieces with a Keystone and Moulding Key Extension to cover seam.

All dimensions assume a 1/4" tolerance