

HEADER SUPPORTING	SIZE	BLDG. WIDTH (ft.)		
		12	24	36
(ONE FLOOR (CENTER BEARING))	2x4	4'-4"	3'-4"	3'-6"
	2x6	6'-4"	5'-4"	5'-6"
	2x8	8'-4"	7'-4"	7'-6"
	2x10	10'-4"	9'-4"	9'-6"
	2x12	12'-4"	11'-4"	11'-6"
	2x14	14'-4"	13'-4"	13'-6"
	2x16	16'-4"	15'-4"	15'-6"
	2x18	18'-4"	17'-4"	17'-6"
	2x20	20'-4"	19'-4"	19'-6"
	2x22	22'-4"	21'-4"	21'-6"
	2x24	24'-4"	23'-4"	23'-6"
	2x26	26'-4"	25'-4"	25'-6"
	2x28	28'-4"	27'-4"	27'-6"
	2x30	30'-4"	29'-4"	29'-6"
	2x32	32'-4"	31'-4"	31'-6"
	2x34	34'-4"	33'-4"	33'-6"
	2x36	36'-4"	35'-4"	35'-6"
	2x38	38'-4"	37'-4"	37'-6"
	2x40	40'-4"	39'-4"	39'-6"
	2x42	42'-4"	41'-4"	41'-6"
	2x44	44'-4"	43'-4"	43'-6"
	2x46	46'-4"	45'-4"	45'-6"
	2x48	48'-4"	47'-4"	47'-6"
	2x50	50'-4"	49'-4"	49'-6"
	2x52	52'-4"	51'-4"	51'-6"
	2x54	54'-4"	53'-4"	53'-6"
	2x56	56'-4"	55'-4"	55'-6"
	2x58	58'-4"	57'-4"	57'-6"
	2x60	60'-4"	59'-4"	59'-6"
	2x62	62'-4"	61'-4"	61'-6"
	2x64	64'-4"	63'-4"	63'-6"
	2x66	66'-4"	65'-4"	65'-6"
	2x68	68'-4"	67'-4"	67'-6"
	2x70	70'-4"	69'-4"	69'-6"
	2x72	72'-4"	71'-4"	71'-6"
	2x74	74'-4"	73'-4"	73'-6"
	2x76	76'-4"	75'-4"	75'-6"
	2x78	78'-4"	77'-4"	77'-6"
	2x80	80'-4"	79'-4"	79'-6"
	2x82	82'-4"	81'-4"	81'-6"
	2x84	84'-4"	83'-4"	83'-6"
	2x86	86'-4"	85'-4"	85'-6"
	2x88	88'-4"	87'-4"	87'-6"
	2x90	90'-4"	89'-4"	89'-6"
	2x92	92'-4"	91'-4"	91'-6"
	2x94	94'-4"	93'-4"	93'-6"
	2x96	96'-4"	95'-4"	95'-6"
	2x98	98'-4"	97'-4"	97'-6"
	2x100	100'-4"	99'-4"	99'-6"

HEADER SUPPORTING	SPAN (ft.)	ROOF SPAN (ft.)		
		12 FEET	24 FEET	36 FEET
ROOF AND CEILING	2	1	1	1
	3	1	1	1
ROOF CEILING AND 1 CENTER BEARING FL.	4	1	1	1
	5	1	1	1
ROOF CEILING AND 2 CENTER BEARING FL.	6	1	1	1
	7	1	1	1
ROOF CEILING AND 3 CENTER BEARING FL.	8	1	1	1
	9	1	1	1
ROOF CEILING AND 4 CENTER BEARING FL.	10	1	1	1
	11	1	1	1
ROOF CEILING AND 5 CENTER BEARING FL.	12	1	1	1
	13	1	1	1
ROOF CEILING AND 6 CENTER BEARING FL.	14	1	1	1
	15	1	1	1
ROOF CEILING AND 7 CENTER BEARING FL.	16	1	1	1
	17	1	1	1
ROOF CEILING AND 8 CENTER BEARING FL.	18	1	1	1
	19	1	1	1
ROOF CEILING AND 9 CENTER BEARING FL.	20	1	1	1
	21	1	1	1
ROOF CEILING AND 10 CENTER BEARING FL.	22	1	1	1
	23	1	1	1
ROOF CEILING AND 11 CENTER BEARING FL.	24	1	1	1
	25	1	1	1
ROOF CEILING AND 12 CENTER BEARING FL.	26	1	1	1
	27	1	1	1
ROOF CEILING AND 13 CENTER BEARING FL.	28	1	1	1
	29	1	1	1
ROOF CEILING AND 14 CENTER BEARING FL.	30	1	1	1
	31	1	1	1
ROOF CEILING AND 15 CENTER BEARING FL.	32	1	1	1
	33	1	1	1
ROOF CEILING AND 16 CENTER BEARING FL.	34	1	1	1
	35	1	1	1
ROOF CEILING AND 17 CENTER BEARING FL.	36	1	1	1
	37	1	1	1
ROOF CEILING AND 18 CENTER BEARING FL.	38	1	1	1
	39	1	1	1
ROOF CEILING AND 19 CENTER BEARING FL.	40	1	1	1
	41	1	1	1
ROOF CEILING AND 20 CENTER BEARING FL.	42	1	1	1
	43	1	1	1
ROOF CEILING AND 21 CENTER BEARING FL.	44	1	1	1
	45	1	1	1
ROOF CEILING AND 22 CENTER BEARING FL.	46	1	1	1
	47	1	1	1
ROOF CEILING AND 23 CENTER BEARING FL.	48	1	1	1
	49	1	1	1
ROOF CEILING AND 24 CENTER BEARING FL.	50	1	1	1
	51	1	1	1
ROOF CEILING AND 25 CENTER BEARING FL.	52	1	1	1
	53	1	1	1
ROOF CEILING AND 26 CENTER BEARING FL.	54	1	1	1
	55	1	1	1
ROOF CEILING AND 27 CENTER BEARING FL.	56	1	1	1
	57	1	1	1
ROOF CEILING AND 28 CENTER BEARING FL.	58	1	1	1
	59	1	1	1
ROOF CEILING AND 29 CENTER BEARING FL.	60	1	1	1
	61	1	1	1
ROOF CEILING AND 30 CENTER BEARING FL.	62	1	1	1
	63	1	1	1
ROOF CEILING AND 31 CENTER BEARING FL.	64	1	1	1
	65	1	1	1
ROOF CEILING AND 32 CENTER BEARING FL.	66	1	1	1
	67	1	1	1
ROOF CEILING AND 33 CENTER BEARING FL.	68	1	1	1
	69	1	1	1
ROOF CEILING AND 34 CENTER BEARING FL.	70	1	1	1
	71	1	1	1
ROOF CEILING AND 35 CENTER BEARING FL.	72	1	1	1
	73	1	1	1
ROOF CEILING AND 36 CENTER BEARING FL.	74	1	1	1
	75	1	1	1
ROOF CEILING AND 37 CENTER BEARING FL.	76	1	1	1
	77	1	1	1
ROOF CEILING AND 38 CENTER BEARING FL.	78	1	1	1
	79	1	1	1
ROOF CEILING AND 39 CENTER BEARING FL.	80	1	1	1
	81	1	1	1
ROOF CEILING AND 40 CENTER BEARING FL.	82	1	1	1
	83	1	1	1
ROOF CEILING AND 41 CENTER BEARING FL.	84	1	1	1
	85	1	1	1
ROOF CEILING AND 42 CENTER BEARING FL.	86	1	1	1
	87	1	1	1
ROOF CEILING AND 43 CENTER BEARING FL.	88	1	1	1
	89	1	1	1
ROOF CEILING AND 44 CENTER BEARING FL.	90	1	1	1
	91	1	1	1
ROOF CEILING AND 45 CENTER BEARING FL.	92	1	1	1
	93	1	1	1
ROOF CEILING AND 46 CENTER BEARING FL.	94	1	1	1
	95	1	1	1
ROOF CEILING AND 47 CENTER BEARING FL.	96	1	1	1
	97	1	1	1
ROOF CEILING AND 48 CENTER BEARING FL.	98	1	1	1
	99	1	1	1
ROOF CEILING AND 49 CENTER BEARING FL.	100	1	1	1
	101	1	1	1
ROOF CEILING AND 50 CENTER BEARING FL.	102	1	1	1
	103	1	1	1
ROOF CEILING AND 51 CENTER BEARING FL.	104	1	1	1
	105	1	1	1
ROOF CEILING AND 52 CENTER BEARING FL.	106	1	1	1
	107	1	1	1
ROOF CEILING AND 53 CENTER BEARING FL.	108	1	1	1
	109	1	1	1
ROOF CEILING AND 54 CENTER BEARING FL.	110	1	1	1
	111	1	1	1
ROOF CEILING AND 55 CENTER BEARING FL.	112	1	1	1
	113	1	1	1
ROOF CEILING AND 56 CENTER BEARING FL.	114	1	1	1
	115	1	1	1
ROOF CEILING AND 57 CENTER BEARING FL.	116	1	1	1
	117	1	1	1
ROOF CEILING AND 58 CENTER BEARING FL.	118	1	1	1
	119	1	1	1
ROOF CEILING AND 59 CENTER BEARING FL.	120	1	1	1
	121	1	1	1
ROOF CEILING AND 60 CENTER BEARING FL.	122	1	1	1
	123	1	1	1
ROOF CEILING AND 61 CENTER BEARING FL.	124	1	1	1
	125	1	1	1
ROOF CEILING AND 62 CENTER BEARING FL.	126	1	1	1
	127	1	1	1
ROOF CEILING AND 63 CENTER BEARING FL.	128	1	1	1
	129	1	1	1
ROOF CEILING AND 64 CENTER BEARING FL.	130	1	1	1
	131	1	1	1
ROOF CEILING AND 65 CENTER BEARING FL.	132	1	1	1
	133	1	1	1
ROOF CEILING AND 66 CENTER BEARING FL.	134	1	1	1
	135	1	1	1
ROOF CEILING AND 67 CENTER BEARING FL.	136	1	1	1
	137	1	1	1
ROOF CEILING AND 68 CENTER BEARING FL.	138	1	1	1
	139	1	1	1
ROOF CEILING AND 69 CENTER BEARING FL.	140	1	1	1
	141	1	1	1
ROOF CEILING AND 70 CENTER BEARING FL.	142	1	1	1
	143	1	1	1
ROOF CEILING AND 71 CENTER BEARING FL.	144	1	1	1
	145	1	1	1
ROOF CEILING AND 72 CENTER BEARING FL.	146	1	1	1
	147	1	1	1
ROOF CEILING AND 73 CENTER BEARING FL.	148	1	1	1
	149	1	1	1
ROOF CEILING AND 74 CENTER BEARING FL.	150	1	1	1
	151	1	1	1
ROOF CEILING AND 75 CENTER BEARING FL.	152	1	1	1
	153	1	1	1
ROOF CEILING AND 76 CENTER BEARING FL.	154	1	1	1
	155	1	1	1
ROOF CEILING AND 77 CENTER BEARING FL.	156	1	1	1
	157	1	1	1
ROOF CEILING AND 78 CENTER BEARING FL.	158	1	1	1
	159	1	1	1
ROOF CEILING AND 79 CENTER BEARING FL.	160	1	1	1
	161	1	1	1
ROOF CEILING AND 80 CENTER BEARING FL.	162	1	1	1
	163	1	1	1
ROOF CEILING AND 81 CENTER BEARING FL.	164	1	1	1
	165	1	1	1
ROOF CEILING AND 82 CENTER BEARING FL.	166	1	1	1
	167	1	1	1
ROOF CEILING AND 83 CENTER BEARING FL.	168	1	1	1
	169	1	1	1
ROOF CEILING AND 84 CENTER BEARING FL.	170	1	1	1
	171	1	1	1
ROOF CEILING AND 85 CENTER BEARING FL.	172	1	1	1
	173	1	1	1
ROOF CEILING AND 86 CENTER BEARING FL.	174	1	1	1
	175	1	1	1
ROOF CEILING AND 87 CENTER BEARING FL.	176	1	1	1
	177	1	1	1
ROOF CEILING AND 88 CENTER BEARING FL.	178	1	1	1
	179	1	1	1
ROOF CEILING AND 89 CENTER BEARING FL.	180	1	1	1
	181	1	1	1
ROOF CEILING AND 90 CENTER BEARING FL.	182	1	1	1
	183	1	1	1
ROOF CEILING AND 91 CENTER BEARING FL.	184	1	1	1
	185	1	1	1
ROOF CEILING AND 92 CENTER BEARING FL.	186	1	1	1
	187	1	1	1
ROOF CEILING AND 93 CENTER BEARING FL.	188	1	1	1
	189	1	1	1
ROOF CEILING AND 94 CENTER BEARING FL.	190	1	1	1
	191	1	1	1
ROOF CEILING AND 95 CENTER BEARING FL.	192	1	1	1
	193	1	1	1
ROOF CEILING AND 96 CENTER BEARING FL.	194	1	1	1
	195	1	1	1
ROOF CEILING AND 97 CENTER BEARING FL.	196	1	1	1
	197	1	1	1
ROOF CEILING AND 98 CENTER BEARING FL.	198	1	1	1
	199	1	1	1
ROOF CEILING AND 99 CENTER BEARING FL.	200	1	1	1
	201	1	1	1
ROOF CEILING AND 100 CENTER BEARING FL.	202	1	1	1
	203	1	1	1
ROOF CEILING AND 101 CENTER BEARING FL.	204	1	1	1
	205	1	1	1