

## D-FIR-LARCH

## Maximum Spans (ft.in)

## Floor Beam

Grade	Spacing (ft)	6x6										6x8									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		8.44	7.83	7.37	6.98	6.53	6.15	5.84	5.57	5.33	5.12	11.50	10.68	10.05	9.51	8.90	8.39	7.96	7.59	7.27	6.98
Select Structural		8.27	7.64	6.98	6.46	6.04	5.70	5.40	5.15	4.93	4.74	11.27	10.42	9.51	8.81	8.24	7.77	7.37	7.03	6.73	6.46
Dense No. 1		8.25	7.38	6.74	6.24	5.84	5.50	5.22	4.98	4.77	4.58	11.26	10.07	9.19	8.51	7.96	7.50	7.12	6.79	6.50	6.24
No. 1		7.64	6.84	6.24	5.78	5.40	5.09	4.83	4.61	4.41	4.24	10.42	9.32	8.51	7.88	7.37	6.95	6.59	6.28	6.02	5.78
No. 2		6.04	5.40	4.93	4.57	4.27	4.03	3.82	3.64	3.49	3.35	8.24	7.37	6.73	6.23	5.83	5.49	5.21	4.97	4.76	4.57

Grade	Spacing (ft)	6x10										6x12									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		14.57	13.53	12.73	12.09	11.56	11.07	10.51	10.02	9.59	9.21	17.64	16.37	15.41	14.64	14.00	13.40	12.72	12.13	11.61	11.15
Select Structural		14.28	13.25	12.45	11.52	10.78	10.16	9.64	9.19	8.80	8.46	17.28	16.05	15.07	13.95	13.05	12.30	11.67	11.13	10.65	10.24
Dense No. 1		14.57	13.42	12.25	11.34	10.61	10.00	9.49	9.05	8.66	8.32	17.64	16.24	14.83	13.73	12.84	12.11	11.49	10.95	10.49	10.07
No. 1		14.00	12.52	11.43	10.58	9.90	9.33	8.86	8.44	8.08	7.77	16.95	15.16	13.84	12.81	11.98	11.30	10.72	10.22	9.79	9.40
No. 2		11.27	10.08	9.20	8.52	7.97	7.51	7.13	6.80	6.51	6.25	13.65	12.20	11.14	10.31	9.65	9.10	8.63	8.23	7.88	7.57

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92

# D-FIR-LARCH

## Maximum Spans (ft.in)

# Floor Beam

Grade	Spacing (ft)	<b>6x14</b>										<b>6x16</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		20.70	19.22	18.09	17.18	16.43	15.63	14.83	14.14	13.54	13.01	23.77	22.07	20.77	19.73	18.87	17.81	16.90	16.11	15.43	14.82
Select Structural		20.29	18.84	17.57	16.27	15.22	14.35	13.61	12.98	12.42	11.94	23.30	21.63	20.02	18.53	17.34	16.35	15.51	14.79	14.16	13.60
Dense No. 1		20.70	18.94	17.29	16.01	14.98	14.12	13.40	12.77	12.23	11.75	23.77	21.59	19.70	18.24	17.06	16.09	15.26	14.55	13.93	13.39
No. 1		19.77	17.68	16.14	14.94	13.98	13.18	12.50	11.92	11.41	10.96	22.52	20.14	18.39	17.03	15.93	15.01	14.24	13.58	13.00	12.49
No. 2		15.91	14.23	12.99	12.03	11.25	10.61	10.06	9.60	9.19	8.83	18.13	16.22	14.80	13.71	12.82	12.09	11.47	10.93	10.47	10.06

Grade	Spacing (ft)	<b>8x8</b>										<b>8x10</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		12.76	11.84	11.14	10.58	10.12	9.73	9.29	8.86	8.48	8.15	16.16	15.00	14.11	13.41	12.82	12.33	11.77	11.23	10.75	10.33
Select Structural		12.50	11.60	10.92	10.29	9.62	9.07	8.61	8.20	7.86	7.55	15.83	14.70	13.83	13.03	12.19	11.49	10.90	10.39	9.95	9.56
Dense No. 1		12.76	11.76	10.73	9.94	9.29	8.76	8.31	7.93	7.59	7.29	16.16	14.89	13.59	12.59	11.77	11.10	10.53	10.04	9.61	9.24
No. 1		12.17	10.88	9.94	9.20	8.61	8.11	7.70	7.34	7.03	6.75	15.41	13.79	12.59	11.65	10.90	10.28	9.75	9.30	8.90	8.55
No. 2		9.62	8.61	7.86	7.27	6.80	6.41	6.08	5.80	5.55	5.34	12.19	10.90	9.95	9.21	8.62	8.12	7.71	7.35	7.04	6.76

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92

## D-FIR-LARCH

## Maximum Spans (ft.in)

## Floor Beam

Grade	Spacing (ft)	<b>8x12</b>										<b>8x14</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		19.56	18.16	17.09	16.23	15.52	14.93	14.41	13.96	13.56	13.02	22.96	21.31	20.06	19.05	18.22	17.52	16.92	16.39	15.81	15.19
Select Structural		19.17	17.79	16.74	15.91	15.21	14.36	13.63	12.99	12.44	11.95	22.50	20.89	19.66	18.67	17.77	16.75	15.89	15.15	14.51	13.94
Dense No. 1		19.56	18.16	17.09	16.03	15.00	14.14	13.41	12.79	12.24	11.76	22.96	21.31	20.06	18.70	17.49	16.49	15.64	14.91	14.28	13.72
No. 1		19.17	17.70	16.16	14.96	14.00	13.19	12.52	11.94	11.43	10.98	22.50	20.65	18.85	17.45	16.32	15.39	14.60	13.92	13.33	12.80
No. 2		15.93	14.25	13.01	12.05	11.27	10.62	10.08	9.61	9.20	8.84	18.58	16.62	15.17	14.05	13.14	12.39	11.75	11.21	10.73	10.31

Grade	Spacing (ft)	<b>8x16</b>									
		8	10	12	14	16	18	20	22	24	26
Dense SS		26.36	24.47	23.03	21.87	20.92	20.12	19.42	18.81	18.01	17.31
Select Structural		25.83	23.98	22.57	21.44	20.25	19.09	18.11	17.27	16.53	15.88
Dense No. 1		26.36	24.47	23.01	21.30	19.93	18.79	17.82	16.99	16.27	15.63
No. 1		25.83	23.52	21.47	19.88	18.60	17.53	16.63	15.86	15.18	14.59
No. 2		21.17	18.94	17.29	16.01	14.97	14.12	13.39	12.77	12.22	11.75

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92

# D-FIR-LARCH

## Maximum Spans (ft.in)

# Floor Beam

Grade	Spacing (ft)	<b>10x10</b>										<b>10x12</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		17.48	16.23	15.27	14.51	13.87	13.34	12.88	12.46	11.93	11.46	21.16	19.64	18.49	17.56	16.80	16.15	15.59	15.10	14.64	14.07
Select Structural		17.13	15.90	14.97	14.22	13.52	12.75	12.09	11.53	11.04	10.61	20.74	19.25	18.12	17.21	16.46	15.65	14.85	14.16	13.56	13.02
Dense No. 1		17.48	16.23	15.08	13.97	13.06	12.32	11.68	11.14	10.67	10.25	21.16	19.64	18.49	17.15	16.04	15.12	14.35	13.68	13.10	12.58
No. 1		17.10	15.30	13.97	12.93	12.09	11.40	10.82	10.31	9.88	9.49	20.74	18.78	17.15	15.88	14.85	14.00	13.28	12.66	12.13	11.65
No. 2		13.52	12.09	11.04	10.22	9.56	9.01	8.55	8.15	7.81	7.50	16.60	14.85	13.56	12.55	11.74	11.07	10.50	10.01	9.59	9.21

Grade	Spacing (ft)	<b>10x14</b>										<b>10x16</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		24.84	23.06	21.70	20.61	19.72	18.96	18.30	17.73	17.22	16.77	28.52	26.48	24.92	23.67	22.64	21.77	21.02	20.36	19.78	19.26
Select Structural		24.34	22.60	21.27	20.20	19.32	18.58	17.89	17.05	16.33	15.69	27.95	25.95	24.42	23.19	22.18	21.33	20.38	19.43	18.60	17.87
Dense No. 1		24.84	23.06	21.70	20.61	19.68	18.56	17.61	16.79	16.07	15.44	28.52	26.48	24.92	23.67	22.43	21.14	20.06	19.13	18.31	17.59
No. 1		24.34	22.60	21.21	19.64	18.37	17.32	16.43	15.67	15.00	14.41	27.95	25.95	24.17	22.38	20.93	19.73	18.72	17.85	17.09	16.42
No. 2		20.91	18.71	17.08	15.81	14.79	13.94	13.23	12.61	12.08	11.60	23.83	21.31	19.46	18.01	16.85	15.89	15.07	14.37	13.76	13.22

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92

## D-FIR-LARCH

## Maximum Spans (ft.in)

## Floor Beam

Grade	Spacing (ft)	<b>12x14</b>										<b>12x16</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Dense SS		26.48	24.58	23.13	21.97	21.01	20.20	19.51	18.90	18.36	17.87	30.40	28.22	26.55	25.22	24.13	23.20	22.40	21.70	21.08	20.52
Select Structural		25.95	24.09	22.67	21.53	20.59	19.80	19.06	18.17	17.39	16.71	29.79	27.65	26.02	24.72	23.64	22.73	21.95	21.26	20.47	19.67
Dense No. 1		26.48	24.58	23.13	21.97	20.58	19.40	18.41	17.55	16.81	16.15	30.40	28.22	26.55	25.22	24.13	23.20	22.07	21.04	20.15	19.36
No. 1		25.95	24.09	22.00	20.37	19.06	17.97	17.04	16.25	15.56	14.95	29.79	27.65	26.02	24.62	23.03	21.71	20.60	19.64	18.80	18.06
No. 2		21.30	19.06	17.39	16.10	15.06	14.20	13.47	12.85	12.30	11.82	26.22	23.45	21.41	19.82	18.54	17.48	16.58	15.81	15.14	14.54

Grade	Spacing (ft)	<b>14x16</b>									
		8	10	12	14	16	18	20	22	24	26
Dense SS		32.07	29.77	28.01	26.61	25.45	24.47	23.63	22.89	22.23	21.65
Select Structural		31.42	29.17	27.45	26.08	24.94	23.98	23.15	22.43	21.47	20.63
Dense No. 1		32.07	29.77	28.01	26.61	25.41	23.96	22.73	21.67	20.75	19.93
No. 1		31.42	29.17	27.16	25.15	23.52	22.18	21.04	20.06	19.21	18.45
No. 2		26.30	23.52	21.47	19.88	18.60	17.53	16.63	15.86	15.18	14.59

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92

## D-FIR-LARCH (NORTH)

## Maximum Spans (ft.in)

## Floor Beam

Grade	Spacing (ft)	<b>6x6</b>										<b>6x8</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		8.27	7.64	6.98	6.46	6.04	5.70	5.40	5.15	4.93	4.74	11.27	10.42	9.51	8.81	8.24	7.77	7.37	7.03	6.73	6.46
No. 1		7.64	6.84	6.24	5.78	5.40	5.09	4.83	4.61	4.41	4.24	10.42	9.32	8.51	7.88	7.37	6.95	6.59	6.28	6.02	5.78
No. 2		5.94	5.31	4.85	4.49	4.20	3.96	3.76	3.58	3.43	3.30	8.10	7.25	6.61	6.12	5.73	5.40	5.12	4.88	4.68	4.49

Grade	Spacing (ft)	<b>6x10</b>										<b>6x12</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		14.28	13.25	12.45	11.52	10.78	10.16	9.64	9.19	8.80	8.46	17.28	16.05	15.07	13.95	13.05	12.30	11.67	11.13	10.65	10.24
No. 1		13.74	12.29	11.22	10.39	9.72	9.16	8.69	8.29	7.93	7.62	16.63	14.88	13.58	12.57	11.76	11.09	10.52	10.03	9.60	9.23
No. 2		11.27	10.08	9.20	8.52	7.97	7.51	7.13	6.80	6.51	6.25	13.65	12.20	11.14	10.31	9.65	9.10	8.63	8.23	7.88	7.57

Grade	Spacing (ft)	<b>6x14</b>										<b>6x16</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		20.29	18.84	17.57	16.27	15.22	14.35	13.61	12.98	12.42	11.94	23.30	21.63	20.02	18.53	17.34	16.35	15.51	14.79	14.16	13.60
No. 1		19.40	17.35	15.84	14.66	13.72	12.93	12.27	11.70	11.20	10.76	22.10	19.77	18.05	16.71	15.63	14.73	13.98	13.33	12.76	12.26
No. 2		15.91	14.23	12.99	12.03	11.25	10.61	10.06	9.60	9.19	8.83	18.13	16.22	14.80	13.71	12.82	12.09	11.47	10.93	10.47	10.06

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92

# D-FIR-LARCH (NORTH)

## Maximum Spans (ft.in)

### Floor Beam

Grade	Spacing (ft)	<b>8x8</b>										<b>8x10</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		12.50	11.60	10.92	10.29	9.62	9.07	8.61	8.20	7.86	7.55	15.83	14.70	13.83	13.03	12.19	11.49	10.90	10.39	9.95	9.56
No. 1		12.17	10.88	9.94	9.20	8.61	8.11	7.70	7.34	7.03	6.75	15.41	13.79	12.59	11.65	10.90	10.28	9.75	9.30	8.90	8.55
No. 2		9.46	8.46	7.72	7.15	6.69	6.31	5.98	5.70	5.46	5.25	11.98	10.72	9.78	9.06	8.47	7.99	7.58	7.23	6.92	6.65

Grade	Spacing (ft)	<b>8x12</b>										<b>8x14</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		19.17	17.79	16.74	15.91	15.21	14.36	13.63	12.99	12.44	11.95	22.50	20.89	19.66	18.67	17.77	16.75	15.89	15.15	14.51	13.94
No. 1		19.17	17.37	15.86	14.68	13.73	12.95	12.28	11.71	11.21	10.77	22.50	20.26	18.49	17.12	16.02	15.10	14.33	13.66	13.08	12.56
No. 2		15.93	14.25	13.01	12.05	11.27	10.62	10.08	9.61	9.20	8.84	18.58	16.62	15.17	14.05	13.14	12.39	11.75	11.21	10.73	10.31

Grade	Spacing (ft)	<b>8x16</b>										<b>10x10</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		25.83	23.98	22.57	21.44	20.25	19.09	18.11	17.27	16.53	15.88	17.13	15.90	14.97	14.22	13.52	12.75	12.09	11.53	11.04	10.61
No. 1		25.81	23.08	21.07	19.51	18.25	17.21	16.32	15.56	14.90	14.32	17.10	15.30	13.97	12.93	12.09	11.40	10.82	10.31	9.88	9.49
No. 2		21.17	18.94	17.29	16.01	14.97	14.12	13.39	12.77	12.22	11.75	13.29	11.89	10.86	10.05	9.40	8.86	8.41	8.02	7.68	7.37

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92

## D-FIR-LARCH (NORTH)

## Maximum Spans (ft.in)

## Floor Beam

Grade	Spacing (ft)	<b>10x12</b>										<b>10x14</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		20.74	19.25	18.12	17.21	16.46	15.65	14.85	14.16	13.56	13.02	24.34	22.60	21.27	20.20	19.32	18.58	17.89	17.05	16.33	15.69
No. 1		20.74	18.78	17.15	15.88	14.85	14.00	13.28	12.66	12.13	11.65	24.34	22.60	20.82	19.27	18.03	17.00	16.12	15.37	14.72	14.14
No. 2		16.32	14.60	13.33	12.34	11.54	10.88	10.32	9.84	9.42	9.05	20.91	18.71	17.08	15.81	14.79	13.94	13.23	12.61	12.08	11.60

Grade	Spacing (ft)	<b>10x16</b>										<b>12x14</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		27.95	25.95	24.42	23.19	22.18	21.33	20.38	19.43	18.60	17.87	25.95	24.09	22.67	21.53	20.59	19.80	19.06	18.17	17.39	16.71
No. 1		27.95	25.95	23.72	21.96	20.54	19.36	18.37	17.52	16.77	16.11	25.95	24.09	22.00	20.37	19.06	17.97	17.04	16.25	15.56	14.95
No. 2		23.83	21.31	19.46	18.01	16.85	15.89	15.07	14.37	13.76	13.22	20.95	18.73	17.10	15.83	14.81	13.96	13.25	12.63	12.09	11.62

Grade	Spacing (ft)	<b>12x16</b>										<b>14x16</b>									
		8	10	12	14	16	18	20	22	24	26	8	10	12	14	16	18	20	22	24	26
Select Structural		29.79	27.65	26.02	24.72	23.64	22.73	21.95	21.26	20.47	19.67	31.42	29.17	27.45	26.08	24.94	23.98	23.15	22.43	21.47	20.63
No. 1		29.79	27.65	26.02	24.16	22.60	21.31	20.21	19.27	18.45	17.73	31.42	29.17	27.16	25.15	23.52	22.18	21.04	20.06	19.21	18.45
No. 2		26.22	23.45	21.41	19.82	18.54	17.48	16.58	15.81	15.14	14.54	25.86	23.13	21.11	19.55	18.28	17.24	16.35	15.59	14.93	14.34

1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
.08	.17	.25	.33	.42	.50	.58	.67	.75	.83	.92