

MWPS-34' Truss

34' span, 2-web trusses

with plywood gussets

CAUTION!

Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access. **Furthermore, any deviation from the given specifications may result in structural failure, property damage, and personal injury including loss of life.**

WARRANTY DISCLAIMER

This plan provides conceptual information only. **Neither midwest plan service nor any of the cooperating land-grant universities, or their respective agents or employees, have made, and do not hereby make, any representation, warranty or covenant with respect to the specifications in this plan.** Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access.

MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
34' Truss
Title Page
MIDWEST PLAN NO. 34' Truss

34' span, 2-web trusses with plywood gussets

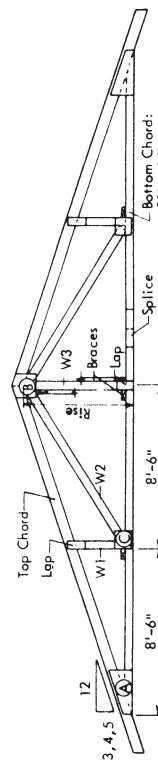


Table of lengths

Truss spacing, ft.							
2'							
Top chord	Bottom chord	0	5	8	Ceiling dead load, psf	0	5
2x4	2x4	18	16	0	0	0	0
2x6	2x4	37	22	0	0	0	0
2x6	2x6	36	33	0	0	0	0
2x8	2x6	45	42	0	0	0	0
2x10	4x4	76	68	58	32	14	0
2x12	4x6	94	86	86	41	36	0
2x6	2x4	42	29	37	18	15	0
2x6	2x6	41	39	37	18	15	0
2x8	2x6	62	58	56	27	22	0
2x10	4x4	95	79	76	47	43	0
2x12	4x6	-	-	-	46	42	0
2x4	2x4	22	20	0	0	0	0
2x6	2x4	46	40	0	0	0	0
2x8	2x6	68	64	62	29	27	0
2x10	4x4	95	88	89	41	31	0
2x12	4x6	-	-	-	51	47	0

This sheet is to help you SELECT and ERECT trusses. DO NOT try to BUILD trusses from it, because it does not include enough information on gluing joints, splices, and fabrication. See "Designs for Glued Trusses," MWPS-9. If you buy metal-plate trusses, use their designer's data.

4+4, 4+6, 6+6 indicates stacked lower chord.

4&4, 6&4, indicate double web; a 2x4 is attached to the web member to increase its stiffness.

To select a truss:

1. estimate roof dead load
2. determine appropriate snow load
3. roof dead load plus snow load = roof design load, psf
4. select a truss to carry at least the total roof load for the lumber quality, slope, spacing, and ceiling dead load you will use.

For more information see back page and MWPS-9.
Designs for Glued Trusses, 4th Edition, 1981.

Truss spacing, ft.							
2'							
Top chord	Bottom chord	0	5	8	Ceiling dead load, psf	0	5
2x4	2x4	23	21	13	0	0	0
2x6	2x4	46	43	13	0	0	0
2x6	2x6	41	39	19	16	14	0
2x8	2x6	65	59	56	28	23	0
2x10	4x4	90	83	83	39	33	0
2x12	4x6	-	-	-	46	42	0
2x4	2x4	25	24	20	0	0	0
2x6	2x4	51	48	47	22	19	0
2x8	2x6	76	72	69	33	30	0
2x10	4x4	100+	100+	98	42	40	0
2x12	4x6	-	-	-	58	54	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	52	50	50	24	22	0
2x8	2x6	84	80	77	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	65	60	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
2x8	2x6	86	82	78	34	36	0
2x10	4x4	100+	100+	100+	47	42	0
2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
2x6	2x4	57	54	54	26	24	0
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2x12	4x6	-	-	-	63	59	0
2x4	2x4	27	26	25	12	0	0
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2x4	2x4	27	26	25	12	0	0
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2x4	2x4	27	26	25	12	0	0
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2x4	2x4	27	26	25	12	0	0
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2x12	4x6	-	-	-	63	59	0
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2x6	2x4	57	54	54	26	24	0
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2x4	2x4	27	26	25	12	0	0
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2x6	2x4	57	54	54	26	24	0
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2							

