

See your interactive 3D version of the above drawing at the link below:

[Click here to see the 3D Model](#)

[Click Here to see 3D model section views](#)

Conceptual Drawings Monitor Barn

Custom Pavilion

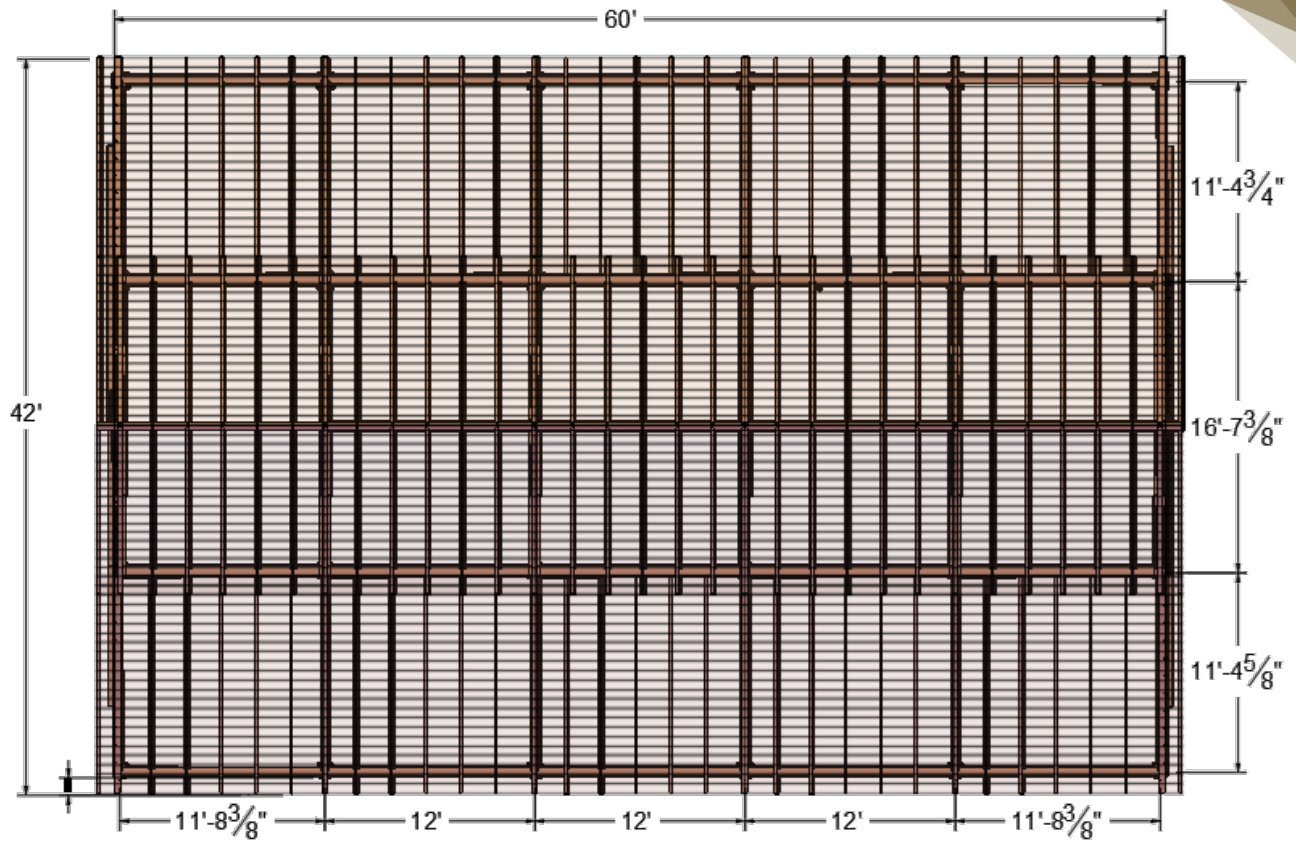
Size: 62' L x 42' W

Time and Material Analyst:

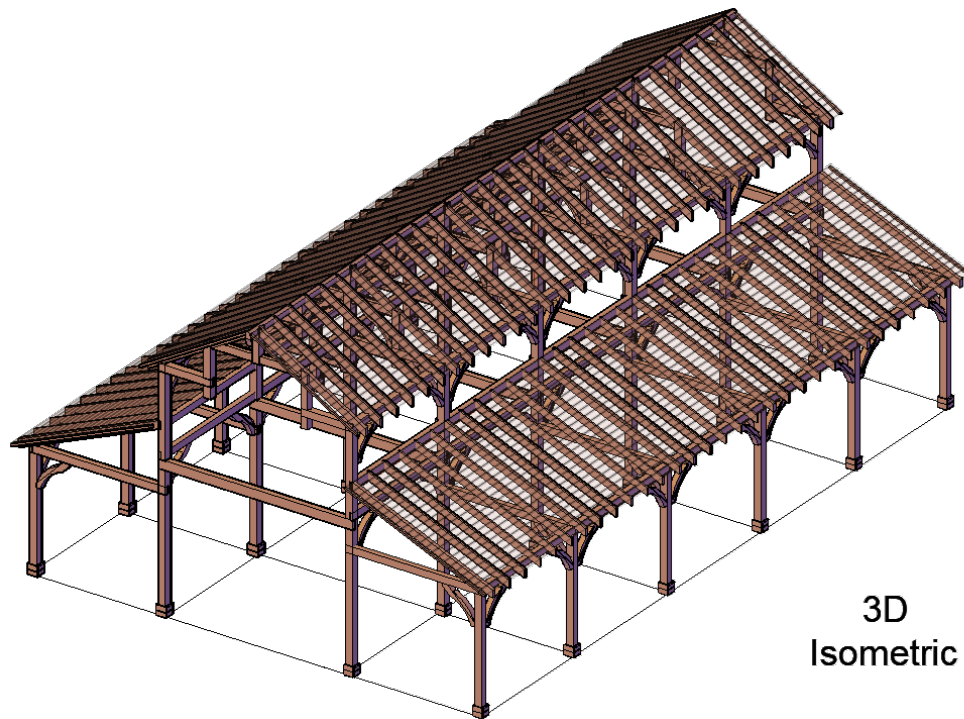
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From the Forest, For the Forest.



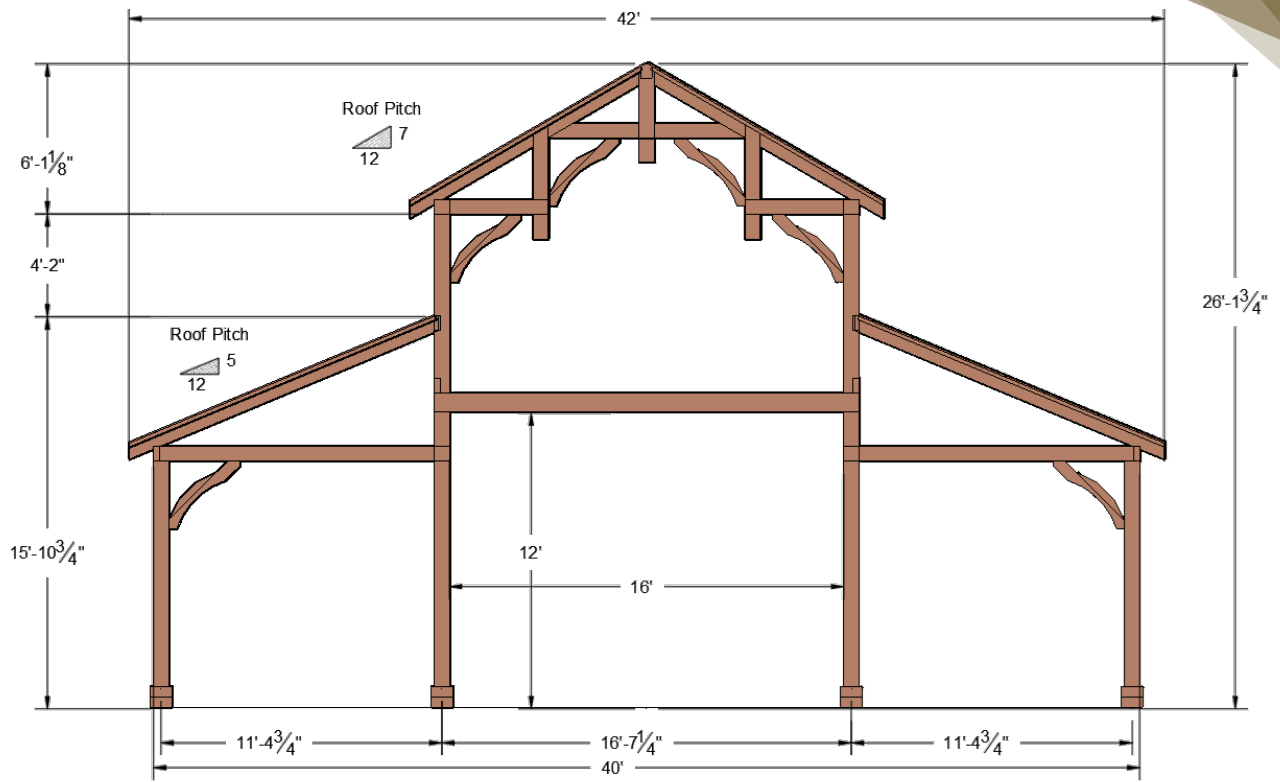


Top View

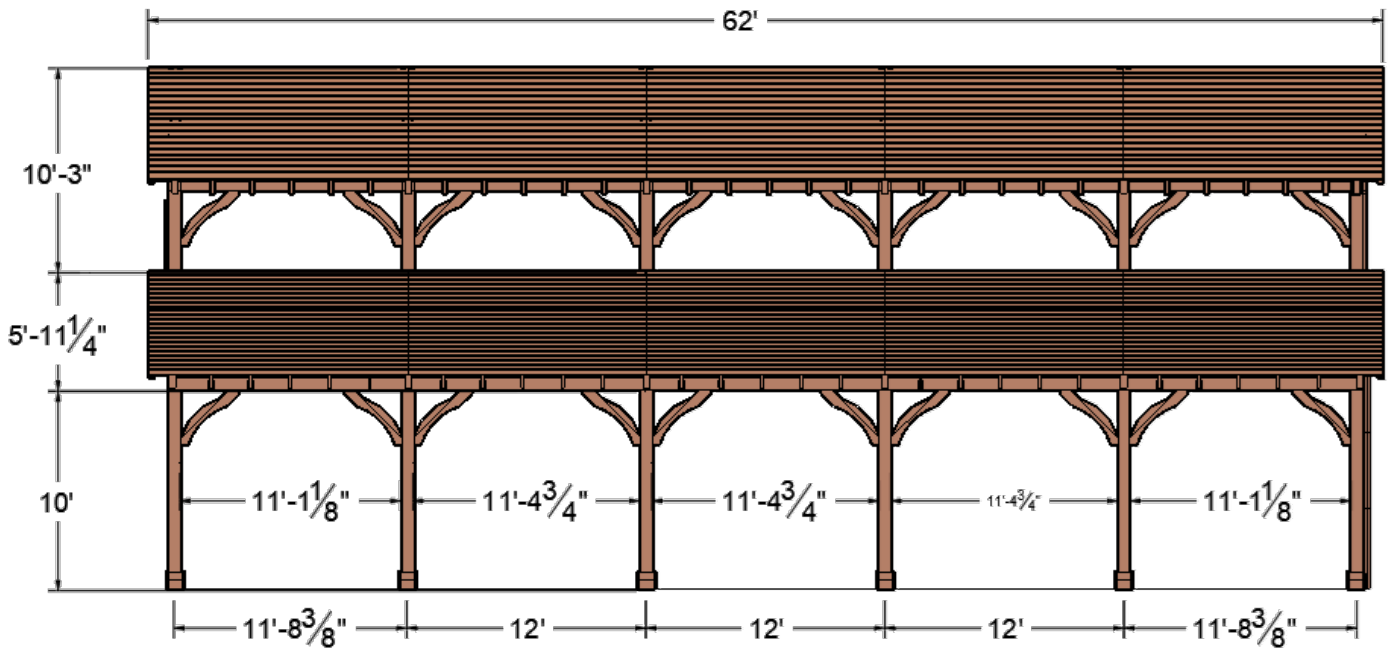


3D
Isometric





Front View



Lateral View



Description: 8x8 Posts, 6x8 and 8x8 Supports, 6x8 Truss, 2x8 Rafters @ 24", 6x8 ridge beam, 1x8 T&G

A) Custom Pavilion - Size: 62' L x 42' W. Roof Pitch 5:12 and 7:12, Pavilion only

Qty	Commercial size (inches)		L (feet)	BF	Item	
	W	H				
12	8	8	10	640.00	Post	Frame
12	8	8	20	1280.00	Post	
30	6	8	12	1440.00	Support bottom	
10	8	8	12	640.00	Support 2 top	
6	6	10	18	540.00	Support Bottom 2	
20	6	6	4	240.00	Knee brace L	
40	6	6	4	480.00	Knee brace L	
12	6	6	4	144.00	Knee braces W	
24	6	6	4	288.00	Knee braces W	
12	4	8	14	448.00	Support- Rafter	
50	2	8	14	933.33	Rafters 1	
50	2	8	12	800.00	Rafters 2	
2	6	8	14	112.00	Ridge Beam	
3	6	8	12	144.00	Ridge Beam	
12	8	8	5	320.00	Hammer support	Truss
6	4	8	8	128.00	Collar tie 1	
6	2	8	8	64.00	Collar tie 2	
12	4	8	12	384.00	Top Chord	
12	8	8	5	320.00	Queen post	
6	8	8	4	128.00	King Post	
252	1	8	14	2352.00	T&G 1	Roof
168	1	8	12	1344.00	T&G 2	
4	2	3	14	28.00	Fascia trim	
4	2	3	12	24.00	Fascia trim	

1	x	TOTAL	13221.33	BF
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*Not for construction, may change during the design phase, metal brackets and connections will be defined in the Design Phase, High Wind anchors quoted in this project.



For more information about the anchors:

<https://www.foreverredwood.com/media/pdf/assembly/Ways to attach your pergola posts to the ground.pdf>



Description: 2x4 stud walls, 1x6 siding T&G

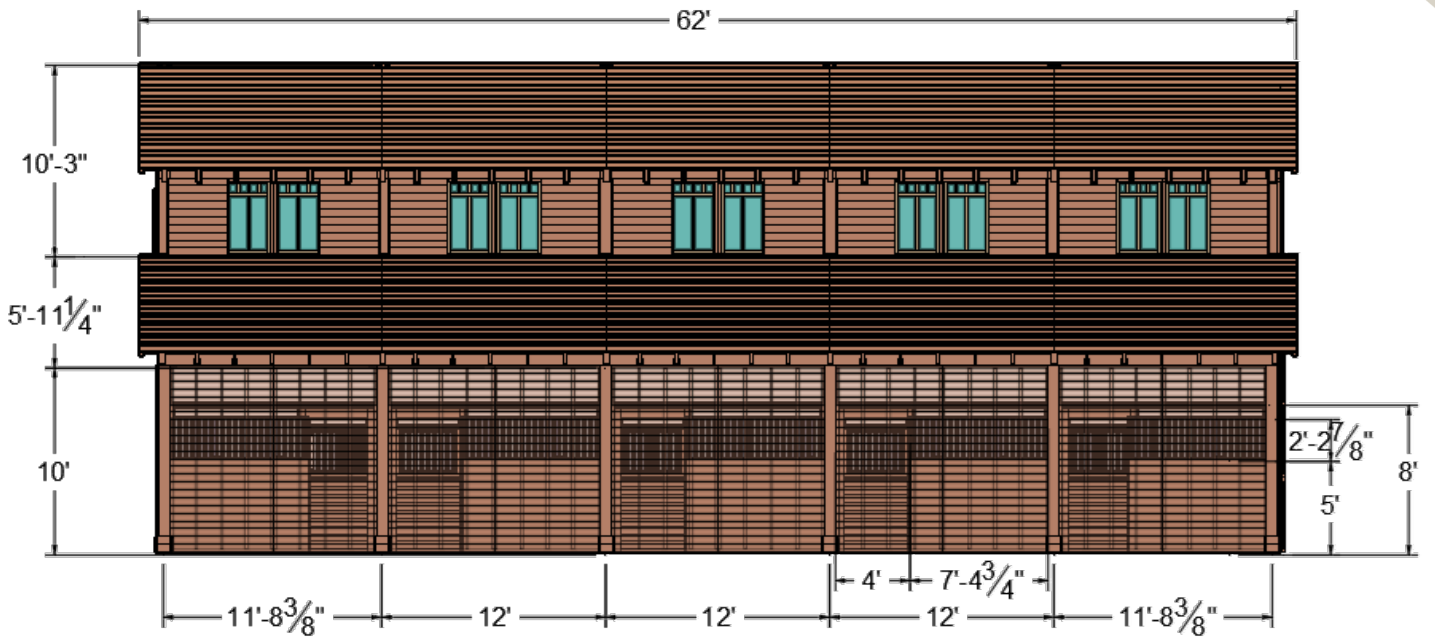
B) Lateral walls, inside wall and doors for Custom Pavilion - Size: 62' L x 42' W

Qty	Commercial size (inches)		L (feet)	BF	Item
	W	H			
40	2	4	6	160.00	Frame exterior wall 1
100	2	4	10	666.67	Frame exterior wall 1
960	1	6	6	2880.00	Lateral wall T&G
16	2	4	6	64.00	Frame Front wall 1
32	2	4	10	213.33	Frame Front wall 1
384	1	6	6	1152.00	Front wall T&G
32	2	4	6	128.00	Mid wall 1
64	2	4	6	256.00	Mid wall 1
384	1	6	6	1152.00	Mid wall T&G
20	2	4	8	106.67	Mid wall 2
50	2	4	5	166.67	Mid wall 2
240	1	6	8	960.00	Mid-wall T&G 2
120	1	6	4	240.00	Door mid-sliding
50	2	3	4	100.00	Door mid-sliding
20	2	4	4	53.33	Door mid-sliding
20	2	6	8	160.00	Door mid-sliding
10	2	6	12	120.00	Door mid-sliding
32	2	4	6	128.00	Top Front-Back wall 1
16	2	4	6	64.00	Top Front-Back wall 1
56	1	6	6	168.00	Front-Back wall siding T&G 1
32	2	4	4	85.33	Top Front-Back wall 2
32	2	4	8	170.67	Top Front-Back wall 2
192	1	6	5	480.00	Top Front-Back wall siding T&G 1
20	1	6	5	50.00	Top Front-Back wall siding T&G 2
40	2	4	6	160.00	Lateral top wall 1
100	2	4	5	333.33	Lateral top wall 1
200	1	6	3.5	350.00	Lateral top wall siding T&G 1
16	2	4	12	128.00	Front Door
24	2	3	8	96.00	Front Door
288	2	3	8	1152.00	Front Door, siding T&G
8	2	6	8	64.00	Frame Front Door

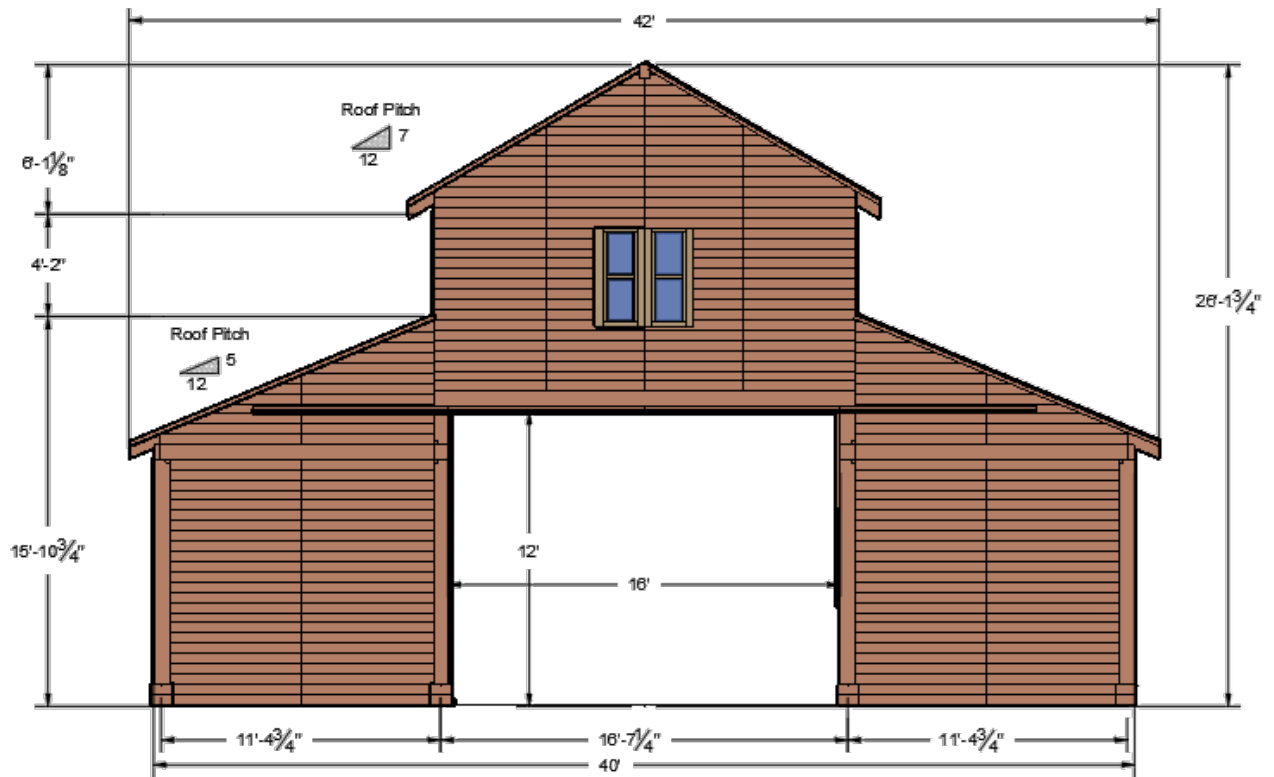
Frame, Doors, and siding walls

1	x	TOTAL	12008.00	BF
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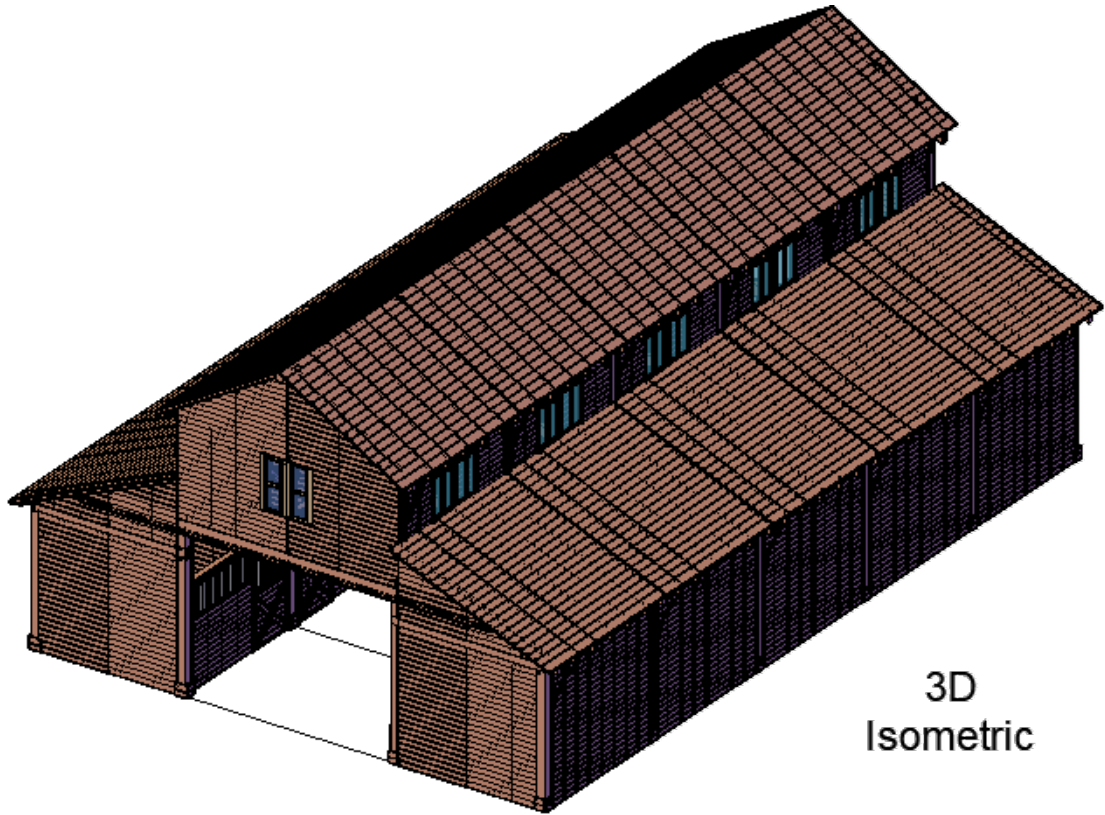


Lateral View



Front View





3D
Isometric

