

Hangar	Recommendation	Costs		
		Now	2-3 yrs	5 yrs
1	Remove from service. Tear down.			
2	Remove from service. Tear Down.			
3	Add W310x24 front beam with new posts - \$1000 + \$250. Replace Mid Beam with 5 ply 2x10 - \$300. Double front roof joists - \$800. Double rear joists - \$400. Block front roof joists - \$300. Total: \$3,050. Urgency: 2 yrs		3,050	
4	Anchor mid posts to concrete - \$80. Add 1 sheet 1/2" plywood to truss - \$400. Double and block front rafters - \$1,100. Add 1 ply 2x12 to mid beam - \$90. Total - \$1,670 Urgency: 5 yrs			1,670
5	Double and block front rafters - \$1,100. Block rear rafters - \$120. Replace mid beam with 4 ply 2x10 - \$300. Total: \$1,520 Urgency - mid beam now; remainder 5 yrs.	300		1,250
6	Double and block front joists - \$1,100. Block rear joists - \$120. Replace mid beam with 4 ply 2x10 - \$300. Total: \$1,520. Urgency - 5 years. Replace 1 rafter with water damage now, and repair roof now.	50		1,520
7	Replace mid beam with 4-ply 2x10 - \$300. Double and block joists: \$1650. Total: \$1950. Urgency: Mid beam now; remainder 5 yrs.	300		1,650

Hangar	Recommendation	Costs		
		Now	2-3 yrs	5 yrs
8	Replace mid beam with steel beam - size to be determined; reinforce posts. - \$700. Double and block front and rear rafters - \$2,000. Toal: \$2,700. Urgency: 2 yrs.		2,700	
9	Double and block front and rear joists: \$1,650. Replace mid beam with 4-ply 2x10: \$300. Total: \$1,950. Urgency: 3 yrs.		1,950	
10	Replace beam with 5-ply 2x10 - \$375. Replace rotton rafters: \$120. Replace rotton post: \$80. Double and block joists: \$1,650. Urgency: mid beam and rot now; remainder 5 yrs.	495		1,155
Total		1,145	7,700	7,245



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 1

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	10 dia.	116	Rotton at gnd level	fail
Mid	6.5 dia	112	Rotton at gnd level	fail
Rear	6" dia	100	Rotton at gnd level	fail

Beams

	Span	Height	Composition	Condition	Notes
Front	472	24	2x4 truss + 2 PW	fair	support cable added
Mid	160	6	4 ply 2x6	fair	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	150	24	poor	fail
Rear	2x6	150	24	poor	fail

Walls/Siding

rusty; poor condition

Roofing

several leaks

Floor

gravel/pea stone

Recommendations

Remove from service.
Tear down.



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 2

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	8" dia	115	good	
Mid	PT 6x6	100	very good	
Rear	8" dia	80	fair	

Beams

	Span	Height	Composition	Condition	Notes
Front	467	24	2x4 truss + 2 PW	fair	Undersized
Mid	179	7.25	3-ply 2x8 PT	very good	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	168	24	poor	fail
Rear	2x6	132	24	poor	fail

Walls/Siding

rusty; poor condition

Roofing

leaks; some large holes; fail

Floor

gravel

Recommendations

Remove from service.
Tear Down.



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 3

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	9" dia	105	fair	
Mid	PT 6x6	96	very good	
Rear	PT 4x4	84	very good	

Beams

	Span	Height	Composition	Condition	Notes
Front	471	24	2x4 truss + 2 PW	Failed - patched	fail
Mid	183	7.25	3-ply 2x8	poor	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	168	24	poor	marginal
Rear	2x8	184	24	fair	

Walls/Siding

fair

Roofing

fair, but some nail holes

Floor

gravel

Recommendations

Add W310x24 front beam with new posts - \$1000 + \$250.
 Replace Mid Beam with 5 ply 2x10 - \$300.
 Double front roof joists - \$800. Double rear joists - \$400.
 Block front roof joists - \$300.
 Total: \$3,050.
 Urgency: 2 yrs



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Hangar Inspection

Hangar No.: 4

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	6.5" dia	112	fair	
Mid	4x4 PT	120	very good	sitting on conc. Floor. Needs anchors
Rear	N/A			

Beams

	Span	Height	Composition	Condition	Notes
Front	469	48	2x4 truss; 1 PW	okay	Should add 1 plywood
Mid	180	11.25	3 ply 2x12	fair	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	168	24	fair	
Rear	2x4	93	32	good	peaked roof.

Walls/Siding

good condition

Roofing

good condition

Floor

concrete; fair condition

Recommendations

Anchor mid posts to concrete - \$80.
 Add 1 sheet 1/2" plywood to truss - \$400.
 Double and block front rafters - \$1,100.
 Add 1 ply 2x12 to mid beam - \$90.
 Total - \$1,670
 Urgency: 5 yrs



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 5

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	6" dia	89	good	
Mid	6" dia	103	fair	
Rear	6" dia	72	fair	

Beams

	Span	Height	Composition	Condition	Notes
Front	474	48	2x6 truss, 1 PW	fair	dbl 2x6 top+btm chords
Mid	158	5.5	2 ply 2x6	fair	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	156	24	fair	some twist; add blocking
Rear	2x6	141	24	fair	

Walls/Siding

okay; lots of nail holes

Roofing

okay

Floor

gravel/screenings

Recommendations

Double and block front rafters - \$1,100.

Block rear rafters - \$120.

Replace mid beam with 4 ply 2x10 - \$300.

Total: \$1,520

Urgency - mid beam now; remainder 5 yrs.



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Hangar Inspection

Hangar No.: 6

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	N/A			Supported on posts in adjacent hangars
Mid	4x4	96	okay	on gravel next to old embedded post
Rear				not accessible

Beams

	Span	Height	Composition	Condition	Notes
Front	468	24	2x truss + 4 PW	fair	
Mid	170	7.25	3 ply 2x8	fair	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	150	24	fair	
Rear	2x6	136	24	okay	1 with water damage

Walls/Siding

okay; some is missing

Roofing

good

Floor

gravel

Recommendations

Double and block front joists - \$1,100.

Block rear joists - \$120.

Replace mid beam with 4 ply 2x10 - \$300.

Total: \$1,520.

Urgency - 5 years.

Replace 1 rafter with water damage now, and repair roof now.



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 7

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	7" dia	96	good	
Mid	8" dia	98	fair	
Rear	8" dia	78	poor	

Beams

	Span	Height	Composition	Condition	Notes
Front	471	24	dbl 2x truss + 5 PW	fair	
Mid	139	5.5	2 ply 2x6	good	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	144	24	fair	
Rear	2x6	154	24	good	

Walls/Siding

fair

Roofing

fair

Floor

gravel

Recommendations

Replace mid beam with 4-ply 2x10 - \$300.

Double and block joists: \$1650.

Total: \$1950.

Urgency: Mid beam now; remainder 5 yrs.



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 8

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	6" dia	92	fair	
Mid	3 ply 2x10	96	good	Y post with 2x10 at angle to support beam
Rear	4" dia	75	good	

Beams

	Span	Height	Composition	Condition	Notes
Front	472	24	dbl 2x truss + 4 PW	fair	
Mid	211	9.25	4 ply 2x10	poor	fail

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	158	24	okay	
Rear	2x8	210	24	okay	

Walls/Siding

okay

Roofing

good. Nail holes are sealed.

Floor

concrete; fair condition

Recommendations

Replace mid beam with steel beam - size to be determined; reinforce posts. - \$700.

Double and block front and rear rafters - \$2,000.

Toal: \$2,700.

Urgency: 2 yrs.



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 9

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	8" dia	100	good	
Mid	8" dia	100	good	
Rear	8" dia	80	fair	

Beams

	Span	Height	Composition	Condition	Notes
Front	470	24	dbl 2x truss + 4 PW	fair	steel cable added
Mid	149	6.5	2x6 + 2x7	good	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	144	30	fair	
Rear	2x6	144	30	fair	

Walls/Siding

fair

Roofing

good

Floor

gravel/screenings

Recommendations

Double and block front and rear joists: \$1,650.

Replace mid beam with 4-ply 2x10: \$300.

Total: \$1,950.

Urgency: 3 yrs.



Oak Hills Flying Club

Hangar Inspection

Hangar No.: 10

Date: 18-Mar-22

Posts

	Size	Height	Condition	Notes
Front	6" dia	108	fair	
Mid	6.5" dia	102	W-good; E-poor	East post rotten at base - fail
Rear	W-5" dia; E-4x4 PT	85	very good	

Beams

	Span	Height	Composition	Condition	Notes
Front	468	24	dbl 2x truss + 4 PW	fair	
Mid	168	5.5	2 ply 2x6	good	

Roof Joists

	Size	Span	Spacing	Condition	Notes
Front	2x6	158	24	fair	
Rear	2x6	144	24	most fair; rot on 3	replace 3 with rot

Walls/Siding

okay, but back wall is missing

Roofing

okay; a few nail holes

Floor

gravel; poor drainage

Recommendations

Replace beam with 5-ply 2x10 - \$375.

Replace rotten rafters: \$120.

Replace rotten post: \$80.

Double and block joists: \$1,650.

Urgency: mid beam and rot now; remainder 5 yrs.