A DIY Greenhouse

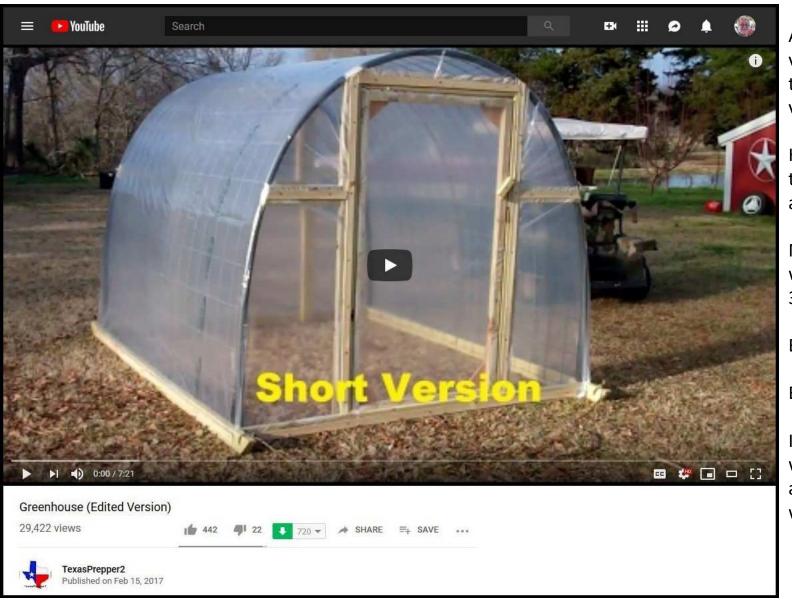
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Presented at HEB Backyard/BCMGA Class - Sept 7, 2019

(updated 10/30/2019 – 2 pages added)





After watching many YouTube videos, decided to start with the ideas in this TexasPrepper2 video (youtu.be/c1BBX4OxW4U).

His greenhouse is made with two 16ft x 50in cattle panels and a base of 2x4s.

Modifications I decided on were:

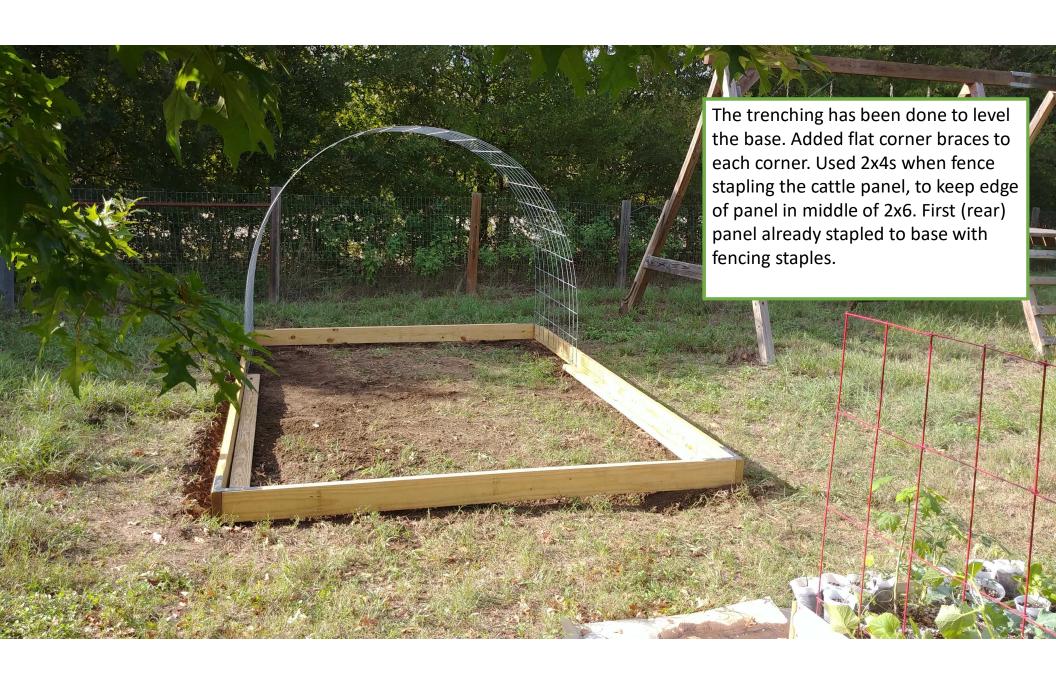
3 cattle panels

Base 8' wide, 12'6" deep

Base made from 2x6s

Instead of door in front and window in back – doors in front and back, each with a venting window.









2x4s for the door have been clamped together, in order to mark for the angle cut needed at the top so the cattle panel can be stapled to the top of the door frame uprights.

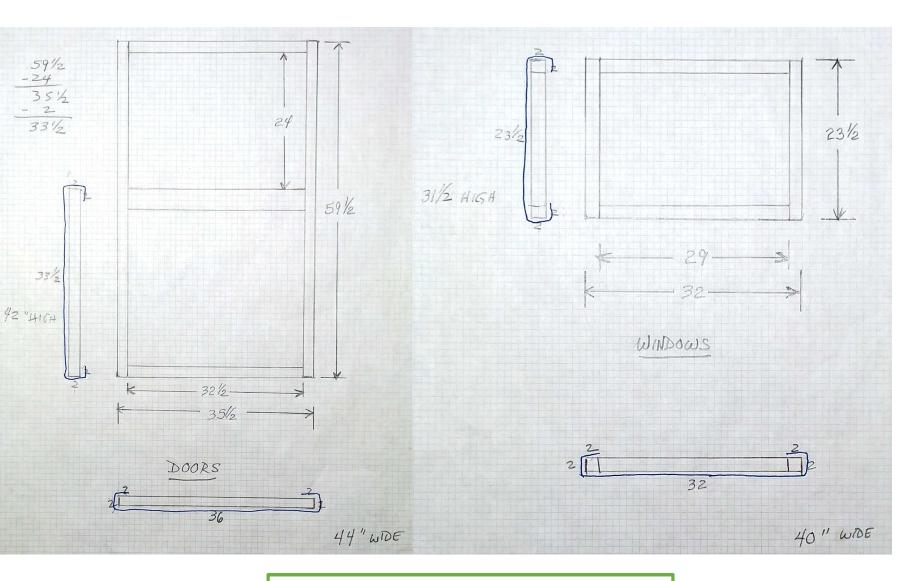


Door frame uprights cut to size and door frame top and bottom attached. Cattle panel stapled to door frame uprights.



35 15/16			36			
20/1/20/20/20/20/20/20/20/20/20/20/20/20/20/	FRONT	3/09	20 1/6	REAR	297/8	
	36			36		

After the door frames were completed, I took measurements of the door openings so the doors wouldn't be too tight or too loose.



Dimensions for making the doors and windows.





Venting window assembled and hinged at top. Doors are hinged so they open outward.

Window made from 2x2s ripped from 2x4s.



View of the front door open. Automatic vent opener attached.

From Amazon: Univent Automatic Vent Opener Standard - Lifts 15 Lbs.



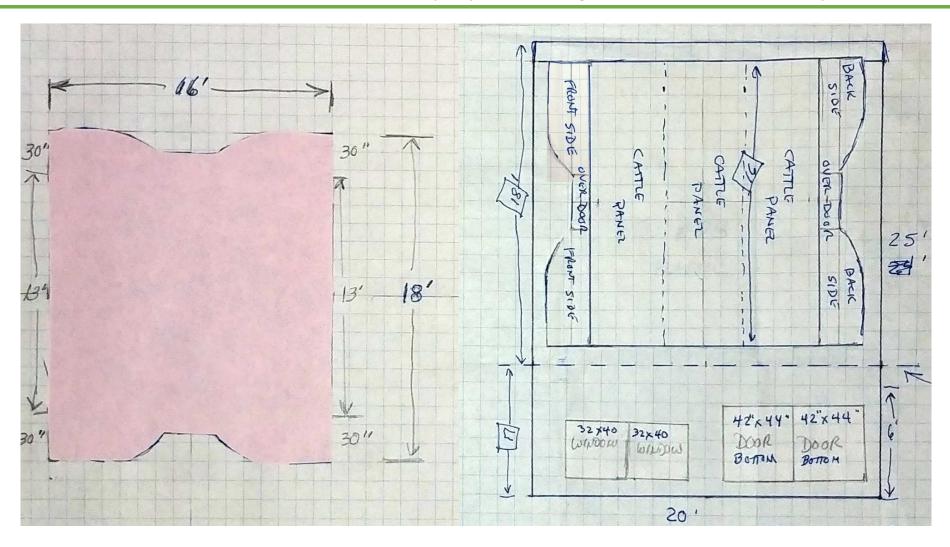


This view shows the black plastic cable-ties keeping the cattle panels lined up. While researching videos regarding cattle panels for trellises, I heard comments that the black cable-ties held up better outdoors than the white ones.





Calculating the amount of "Greenhouse Clear Plastic Film" and how to cut pieces to cover greenhouse, doors, and windows. Ordered from Amazon: Greenhouse Clear Plastic Film Polyethylene Covering Gt4 Year 6 Mil 20ft. X 25ft. By Grower's Solution







Greenhouse plastic pleated and stapled at front.



Greenhouse plastic pleated and stapled at back.











Plastic added to doors and windows and doors reattached to greenhouse.



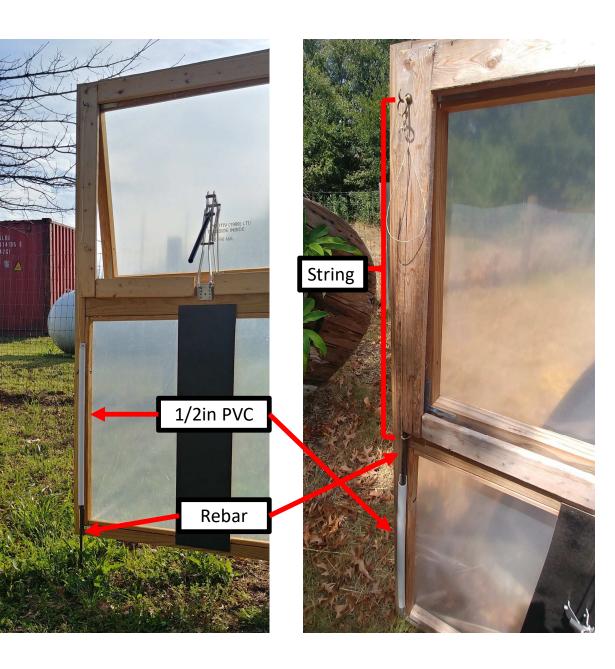
Wider (1x4) furring strips added to cover air gaps around doors and windows.



A happy gardener with her plants in the greenhouse







When it got warmer in the spring, I wanted to have the doors held open. A piece of 1/2in PCV attached to the inside of the door allows a piece of rebar to drop down to the ground to hold the door in place. A piece of string attached to the rebar holds it up when not needed.



An inexpensive handle and a latch & screw-eye were the last things added to the doors.

		Items purchased for building the DIY Greenhouse				
Date	Store	Quan	Size	Item	Price	
8/24/2018	Home Depot	1	1 LB	3" TAN DECKMATE II SCREWS	10.57	screws
	Tractor Supply	3		50INX16FT CATTLE PANEL	65.97	cattle panels
9/3/2018	Lowe's	10		2-4-8 TREATED TOP CHOICE	43.90	lumber
		2		2-6-8 TC TREATED #2 PRIME	14.36	lumber
		2		2-6-16 TC TREATED #2 PRIME	30.04	lumber
9/3/2018	Lowe's	2		GH 2-CT 3-IN ZINC NARROW	6.20	door hinges
		3		GH 3-1/2-IN SQ STN NCKL D	7.92	door hinges
		2		GH 4-3/4-IN ZINC SCREEN D	5.64	handles
		3		4-CT 2-1/2-IN ZN MND BR(-	7.05	mending braces
		3		4-CT 3-IN ZNC FLT CR BR(-	8,43	flat L braces
		2	1 LB	1-1/2-IN HG FENCE ST	8,08	fence staples
		1	1 LB	3-IN TAN EXT SCREW(-	8.91	screws
		4		1/2INX6FT WLL SS TUBE INS	6.76	black pipe foam insulation
9/15/2018	Home Depot	4		CORNER BRACE FLAT 8" ZINC	9,88	braces
9/23/2018	Amazon	1	20ftx25ft	Greeenhouse film Gt4 Yr 6-Mil	75.90	greenhouse plastic
9/27/2018	Amazon	2		Univent Auto Vent Opener Std	71.98	window openers
10/29/2018	Lowe's	2		MD 5/16 X 23/64-IN BR	12.88	weatherstrip
		1		1/4-2-4 SANDED PINE PLYWD	8.91	plywood
		6		1-3-8 PRM SPRUCE PNE FIR	10.92	furring strips
11/7/2018	Lowe's	1		ORTHENE 12-OZ FIRE AND DU	10.43	fire ant treatment
				S C	424.73	

October 2019 update - Replaced black plastic flooring with cardboard covered with 2.5" of decomposed granite (1 cu.yd, \$45).

