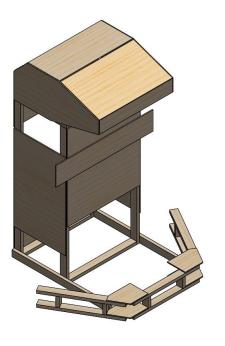
TE-24300 SPEAKER



Description: This is a Speaker, designed so that teams can practice scoring game pieces.

FILES INCLUDED

In this compressed folder, you will find all of the drawings, CAD Files and STEP Files for this design.

Drawings: For your convenience, all drawing files have been exported to PDF Format. Each major field assembly will have both assembly drawings and component drawings.

CAD Files: All SOLIDWORKS files required to build or modify the assembly.

STEP files: STEP files of the assembly are included for the convenience of non-SOLIDWORKS users.

SHOPPING LIST

Plywood and Lumber (Example Cut List is at end of Readme):

- 2" x 4" x 8' Lumber 12 Pieces
- 4' x 8' x 1/8" Thick Hardboard 1 Sheet
- 4' x 8' x 1/2" Thick Plywood 2 Sheets (a third small piece will be needed if making optional TE-24309 part)

Hardware:

- #8 Wood Screws x 2.5" long Approximately 40 Pieces
- #8 Wood Screws x 1" long Approximately 60 Pieces

<u>NOTE ON HARDWARE</u>: All wood screws can be replaced with nuts and bolts of your choosing to make the design easier to disassemble and store. If this is not a concern for your team, wood screws will make for a sturdier assembly.

NOTE: TE-24309 is an optional part, only necessary for certain April Tag usage.

Notes about materials:

Plywood and Hardboard Sheets – quality of plywood is up to the user. Plywood of lower qualities may contain voids and may warp more than high quality plywood. All dimensions listed are "nominal". For example, ½" plywood is typically 15/32".

- Lumber - quality of lumber is up to the user. Please keep in mind that lumber of lower qualities may warp more than high quality lumber. All dimensions below are the "mill cut" dimensions. For example, 2" x 4" lumber is really 1½" x 3½".

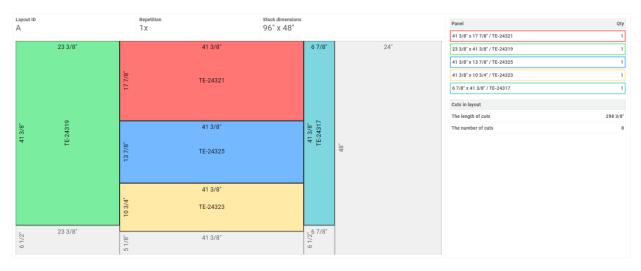
Example Cut List (All units are Inches):

2x4 Lumber:

Layout ID A	Repetition 1X	stock length 96°	Part length / Label	Qty		Cuts in layout		
			37" / TE-24333	1		The number of	cuts	
			29 3/8" / TE-24327	2				
						Waste		
						Material remna	int	0
						Cut		1/4
		37"		29 3/8"		29 3/8"		
	٦	FE-24333		TE-24327		TE-24327		
Layout ID	Repetition	Stock length 96*						
B	2x		Part length / Label	Qty		Cuts in layout		
			38 3/8" / TE-24304 7 3/4" / TE-24324	2		The number of	cuts	:
			5 3/8" / TE-24334	2		Waste		
						Material remna	int	1/8
						Cut		5/8
		38 3/8"		38 3/8"		7 3/4"	5 3/8"	5 3/8"
		TE-24304		TE-24304		TE-24324 T	E-24334	TE-24334
Layout ID	Repetition 1 X	Stock length 96"	Part length / Label	Qty		Cuts in layout		
С			37" / TE-24333	2		The number of cuts		
			6 7/8" / TE-24318	3				
						Waste		
						Material remnar	nt	3/4"
						Cut		5/8"
37"				37"	6	7/8" 67/8	3" 6	57/8"
	١	E-24333		TE-24333	TE-2	24318 TE-243	318 TE	-24318
Layout ID	Repetition	Stock length						
D	2x	96"	Part length / Label	Qty		Cuts in layout		
			55 1/4" / TE-24308 38 3/8" / TE-24304	1		The number of e	cuts	2
			000/07/12 2:001			Waste		
						Material remnar	nt	2 1/8"
						Cut		1/4"
		5	5 1/4"		38 3/8"			

Layout ID E	Repetition	Stock length	Part length / Label	Qty	Cuts in layout	
	2x	96"	76 5/8" / TE-24303	1	The number of cuts	2
			16 3/8" / TE-24320	1		
					Waste	
					Material remnant	2 3/4"
					Cut	1/4"
			76 5/8"		16 3/8"	
			TE-24303		TE-24320	
Layout ID	Repetition	Stock length	Part laugh (Labal	Qty	Cuts in layout	
F	1x	96"	Part length / Label 38 3/8' / TE-24304			
			37° / TE-24304	The number of cuts	5	
			6 7/8" / TE-24318	1	Waste	
			5 3/8" / TE-24334	2	Material remnant	2 3/8"
					Cut	5/8"
		38 3/8"		37"	6 7/8" 5 3/8" 5 3/8"	
		TE-24304		TE-24333	TE-24318 TE-24334TE-2433	34
Layout ID G	Repetition 2x	stock length 96"	Part length / Label	Qty	Cuts in layout	
0			76 5/8° / TE-24303 1		The number of cuts	2
			14 7/8" / TE-24322	1	Waste	
					Material remnant	4 1/4"
					Cut	1/4"
			76 5/8"		14 7/8"	
			76 5/8" TE-24303		14 7/8" TE-24322	
Layout ID	Repetition	Stock length	TE-24303	Qty		
Layout ID H	Repetition 1 X	Stock length 96"		Qiy 2	TE-24322	2
			TE-24303 Part length / Label		Cuts in layout The number of cuts	2
			TE-24303 Part length / Label		Cuts in layout The number of cuts Waste	
			TE-24303 Part length / Label		Cuts in layout The number of cuts Waste Material remnant	21 3/4"
			TE-24303 Part length / Label		Cuts in layout The number of cuts Waste	
	1x		TE-24303 Part length / Label		Cuts in layout The number of cuts Waste Material remnant	21 3/4"

1/8" Hardboard:



1/2" Plywood (Note that TE-24309 is optional and not included below):

