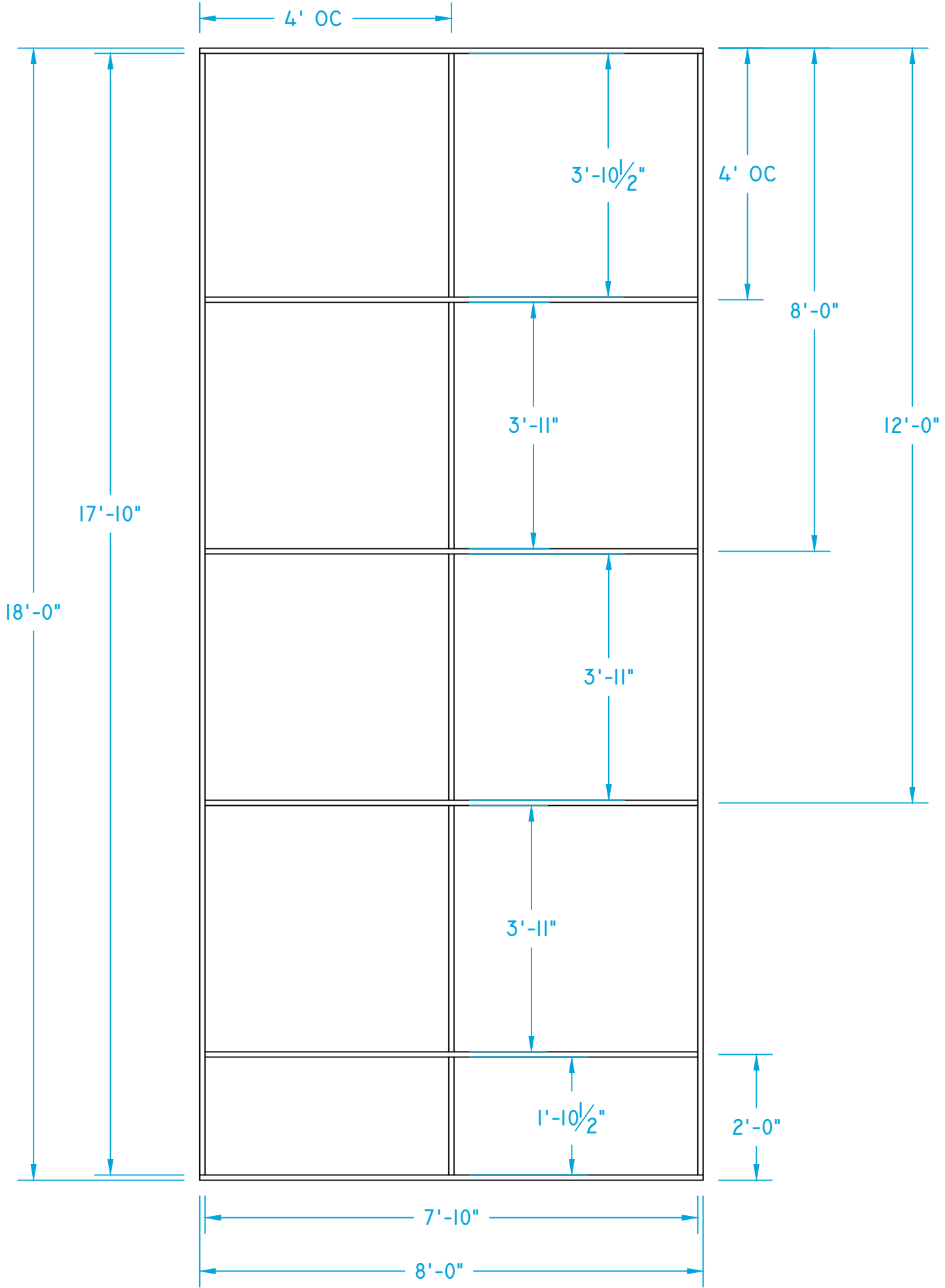


- Build from 1"x1" tube steel
- Weld faces and fillet corners
- Grind face and back welds
- Build two
- Face with lauan

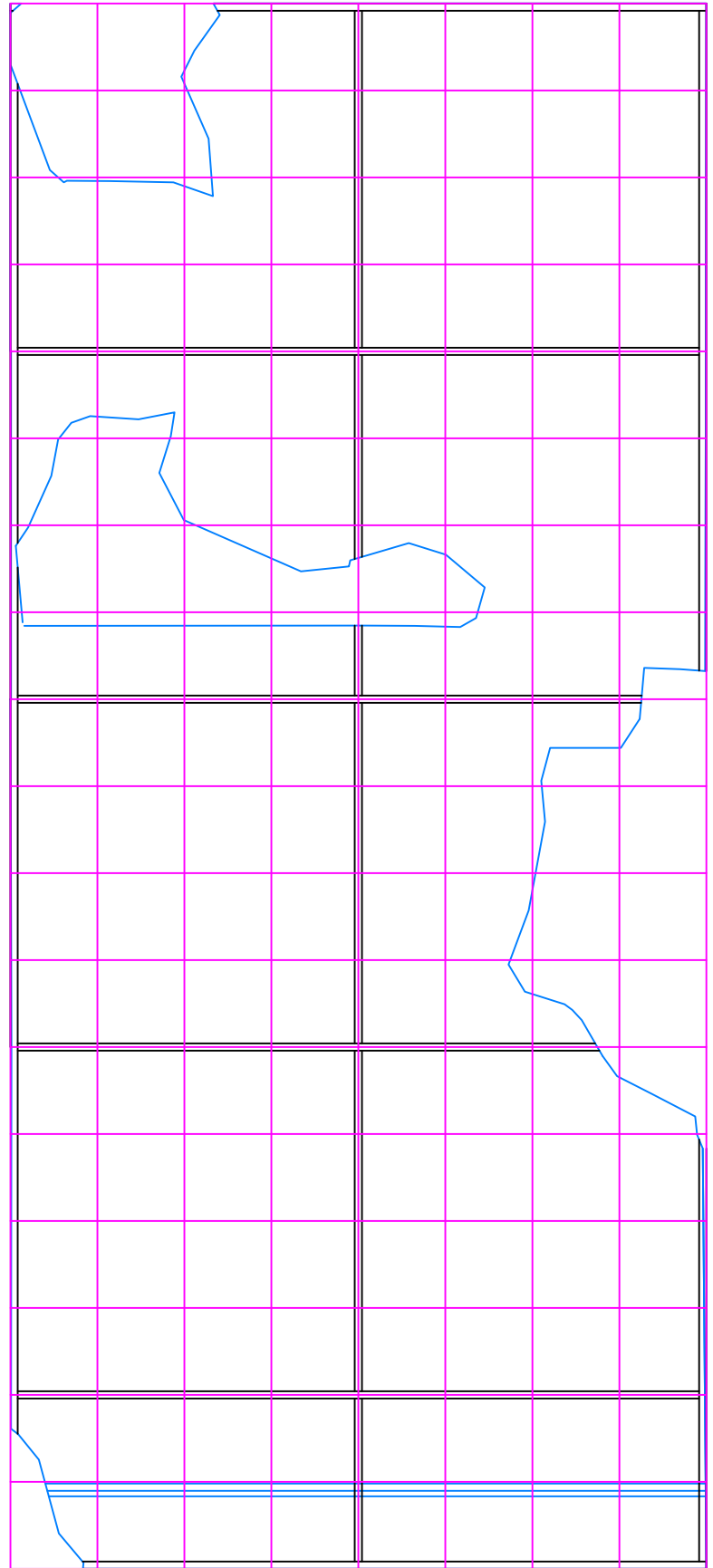
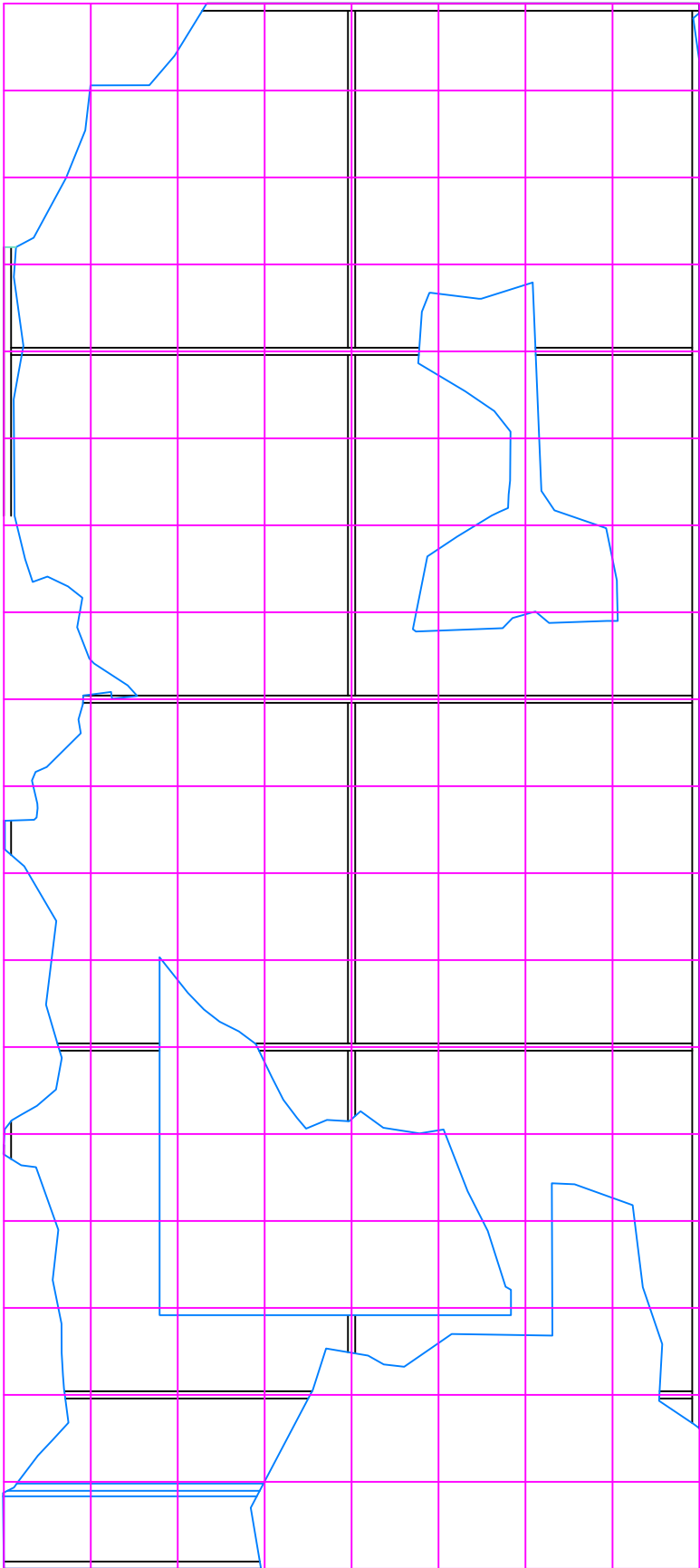


PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

OF: 20	PLATE #	PRODUCED BY: OTTERBEIN UNIVERSITY	<h1>ENEMY OF THE PEOPLE</h1> <h1>WALL FRAME</h1>	SCALE: 1/2" = 1'
		DIRECTOR: LENNY LEIBOWITZ		DATE: 8/17
		DESIGNER: ROB JOHNSON		
		TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ		

- Snap chalk line every 1' starting at top moving down, and from right to left
- Cartoon on irregular lines along edges and for holes
- Team will cut away excess and weld in supports after, these lines are the guides

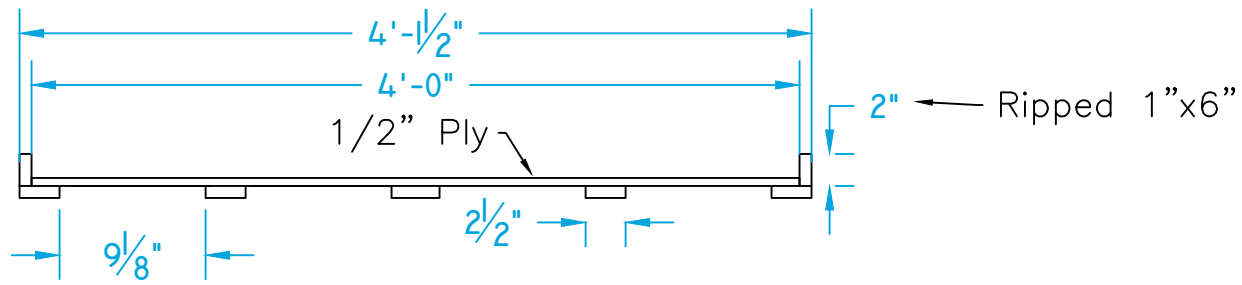


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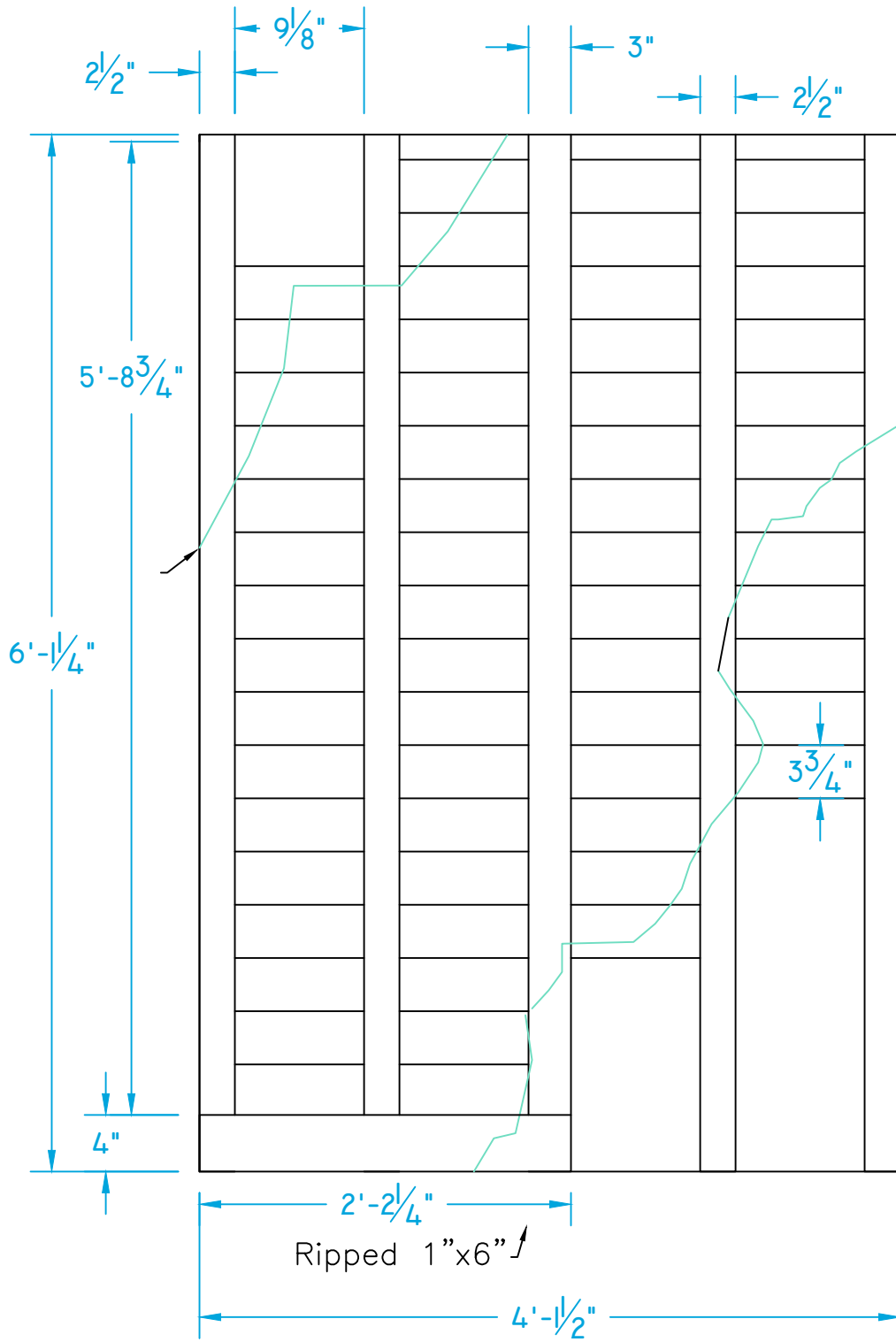
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OF: 20 2 PLATE #	PRODUCED BY: OTTERBEIN UNIVERSITY	ENEMY OF THE PEOPLE WALL FRAME & GRID	SCALE: 1/2"=1'
	DIRECTOR: LENNY LEIBOWITZ		DATE: 8/17
	DESIGNER: ROB JOHNSON		
	TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ		

PRODUCED BY AN AUTODESK STUDENT VERSION



Top View



Front View



Side View

- Use wood glue and slant nails to adhere pieces onto base plywood (entire unit built on 1/2" ply)
- Jagged lines show where unit will be cut to make irreg. shape
- Side pieces are ripped 1"x6", use wood glue and screws

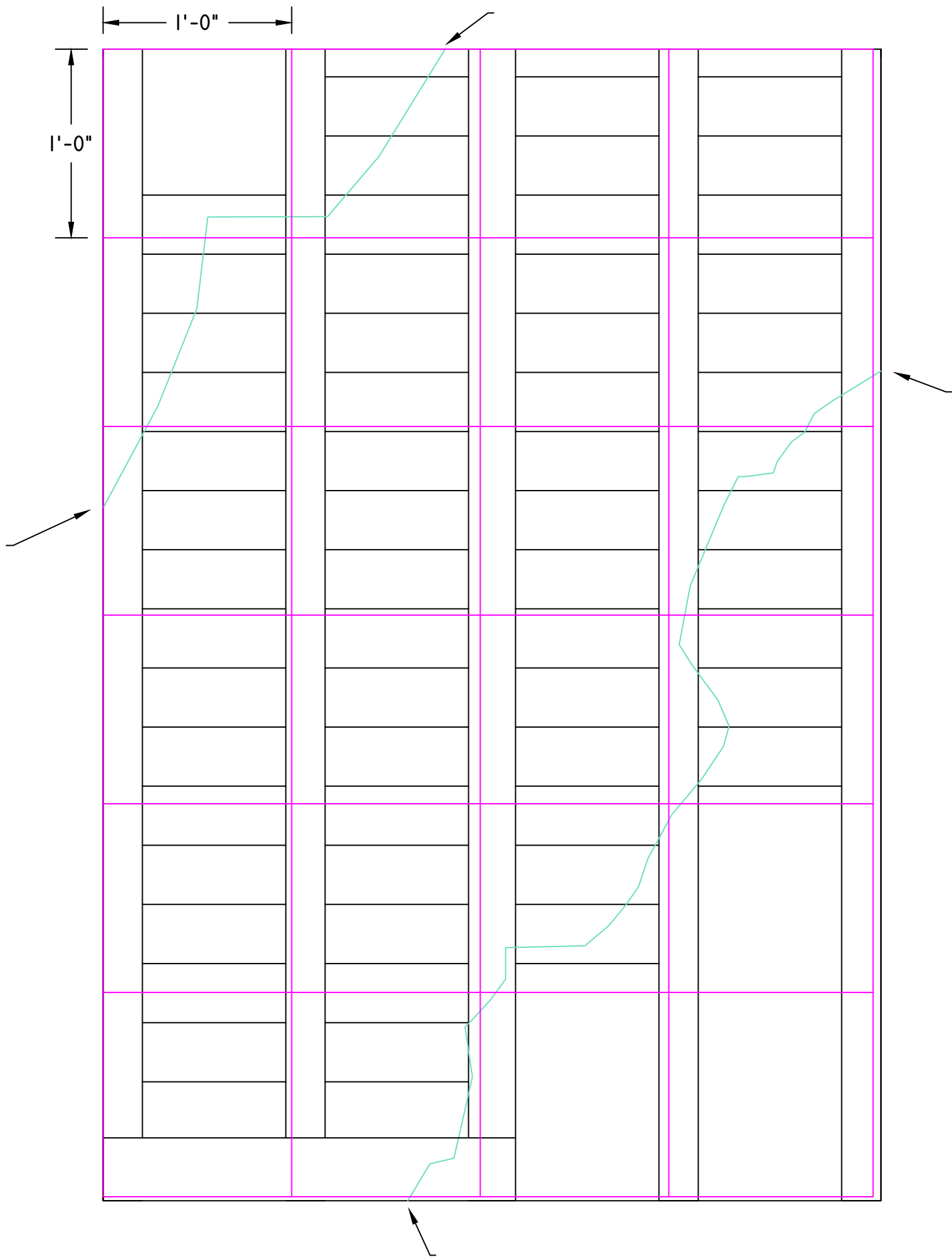
- Cut vertical strips from ripped 1"x6" (middle strip is 3" wide, others are 2-1/2" wide)
- Cut horizontal strips from lauan (rip 3-3/4" strips and cut to 9-1/8")

PRODUCED BY AN AUTODESK STUDENT VERSION

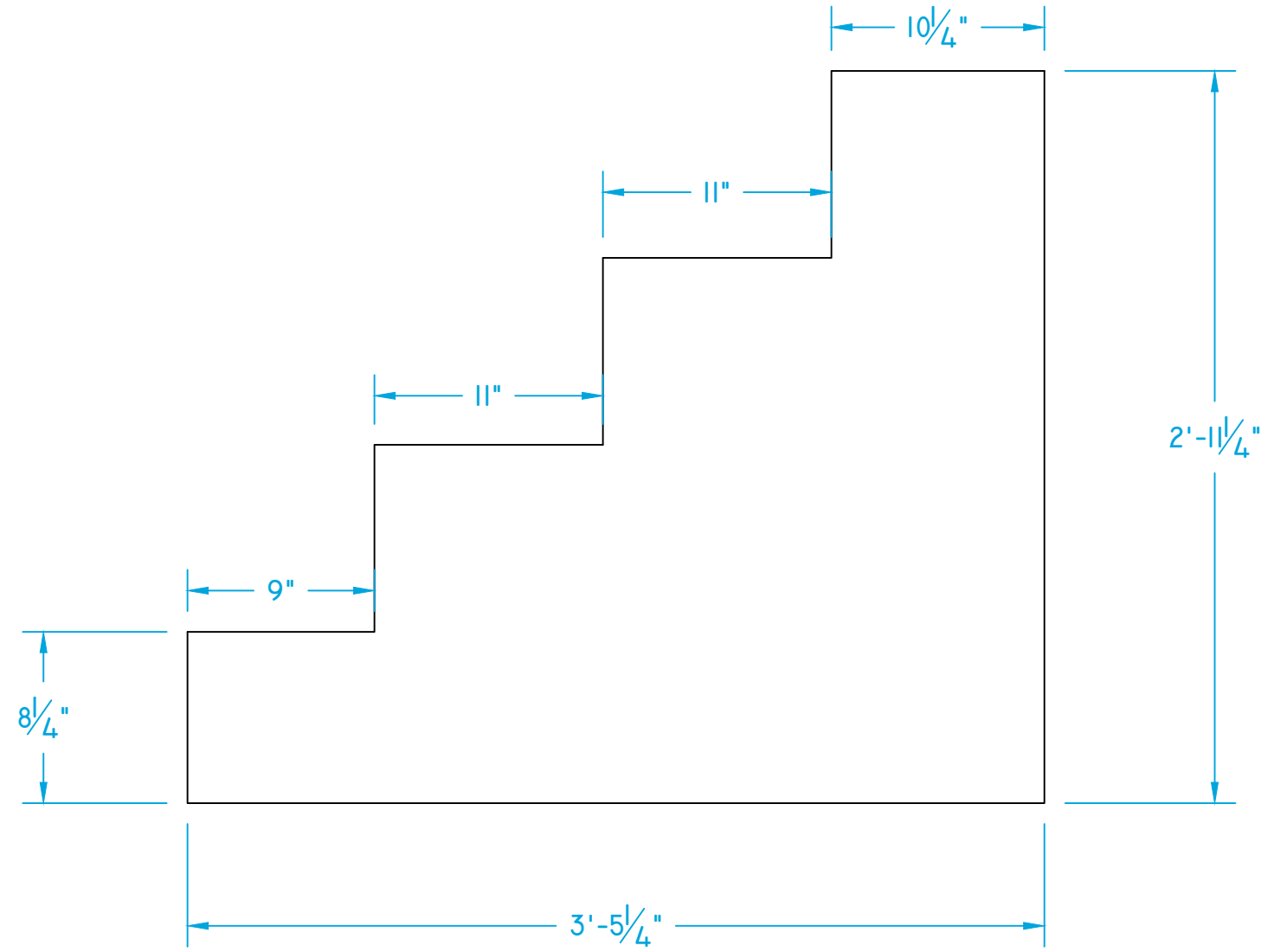
PRODUCED BY AN AUTODESK STUDENT VERSION

OF:20	3	PRODUCED BY: OTTERBEIN UNIVERSITY	ENEMY OF THE PEOPLE SHUTTERS	SCALE: 1"=1"
	PLATE #	DIRECTOR: LENNY LEIBOWITZ		DATE: 8/17
		DESIGNER: ROB JOHNSON		
		TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ		

- Start at top left corner, snap grid lines every 1' across, and every 1' down with a chalk line
- The grid will not perfectly reach the far edge, or the bottom.
- Cartoon jagged lines in pencil before cutting unit, get approval from TD before cutting
- Reattach/Reinforce any problem areas after unit is cut



OF:20 4 PLATE #	PRODUCED BY: OTTERBEIN UNIVERSITY	ENEMY OF THE PEOPLE SHUTTERS & GRID	SCALE: 1/4"=1'
	DIRECTOR: LENNY LEIBOWITZ		DATE: 8/17
	DESIGNER: ROB JOHNSON		
	TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ		



- Cut Two
- Cut from $\frac{3}{4}"$ Ply
- Note that the first rise is $8 - \frac{1}{4}"$ while all of the others are $9"$
- Note that the first tread is $9"$ while the middle two are $11"$, the top one is $10 - \frac{1}{4}"$

SCALE: $1/2" = 1'$

DATE: 8/17

ENEMY OF THE PEOPLE
STAIRS CARRIAGE

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

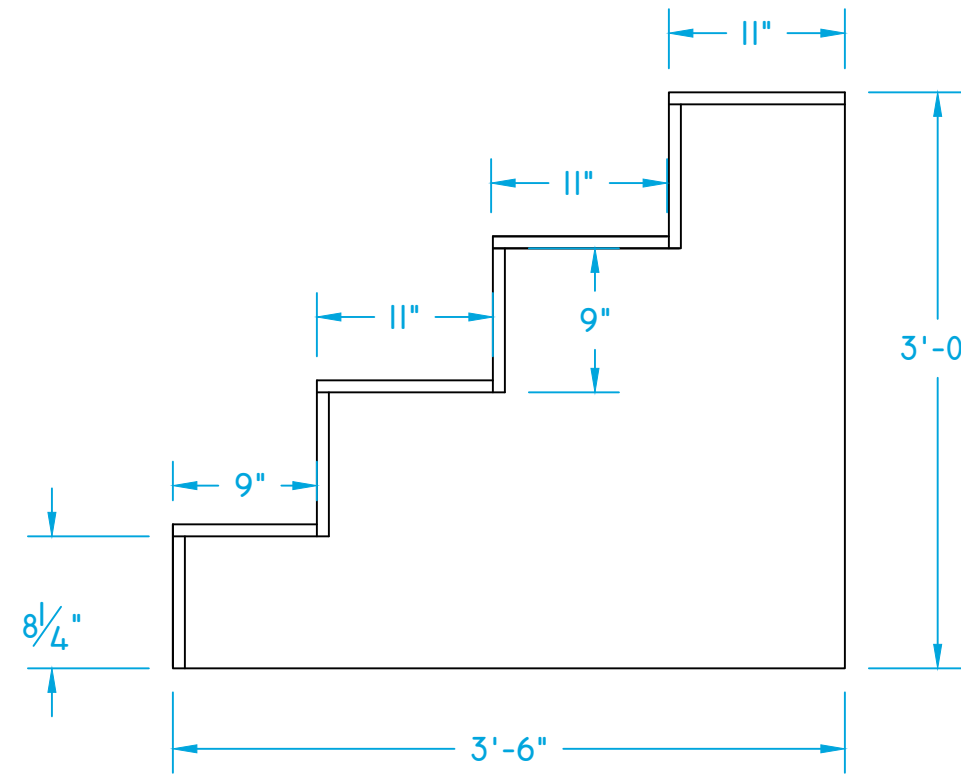
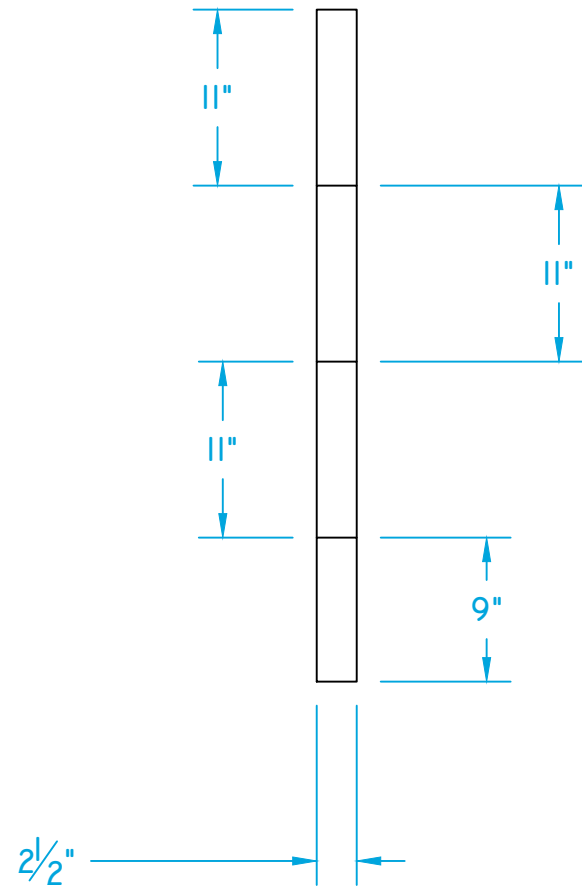
TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

5

OF: 20

- Risers and treads cut from ripped 1"x6"
- Note that the first rise piece is 8-1/4" while all of the others are 9"
- Note that the first tread is 9" while the others are 11"
- Use Carriages from Plate No. 4



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SCALE: 1"=1'

DATE: 8/17

ENEMY OF THE PEOPLE

STAIRS BASE

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

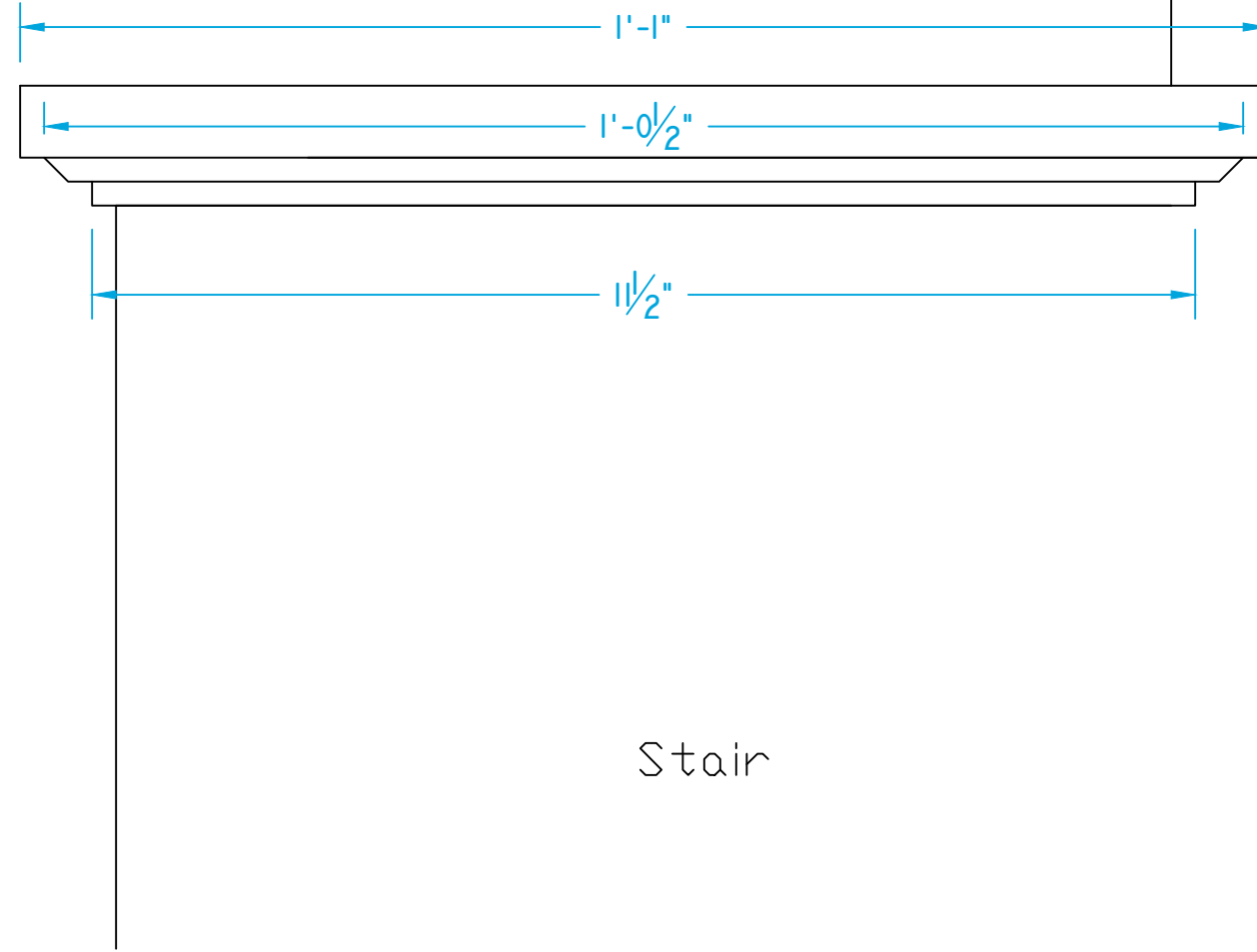
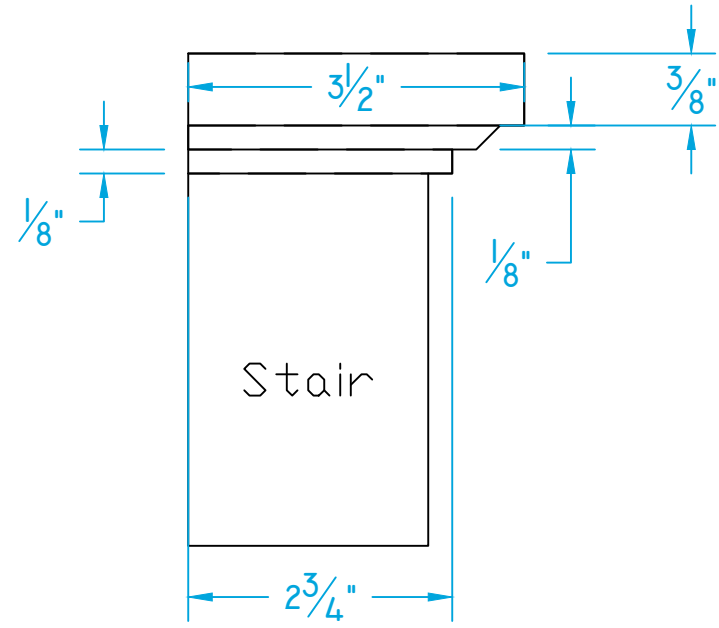
TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

6

OF: 20

- Trim made from ripped 1"x6"
- Miter edges that meet



SCALE: 1/2"=1'

DATE: 8/17

ENEMY OF THE PEOPLE

STAIR TRIM

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

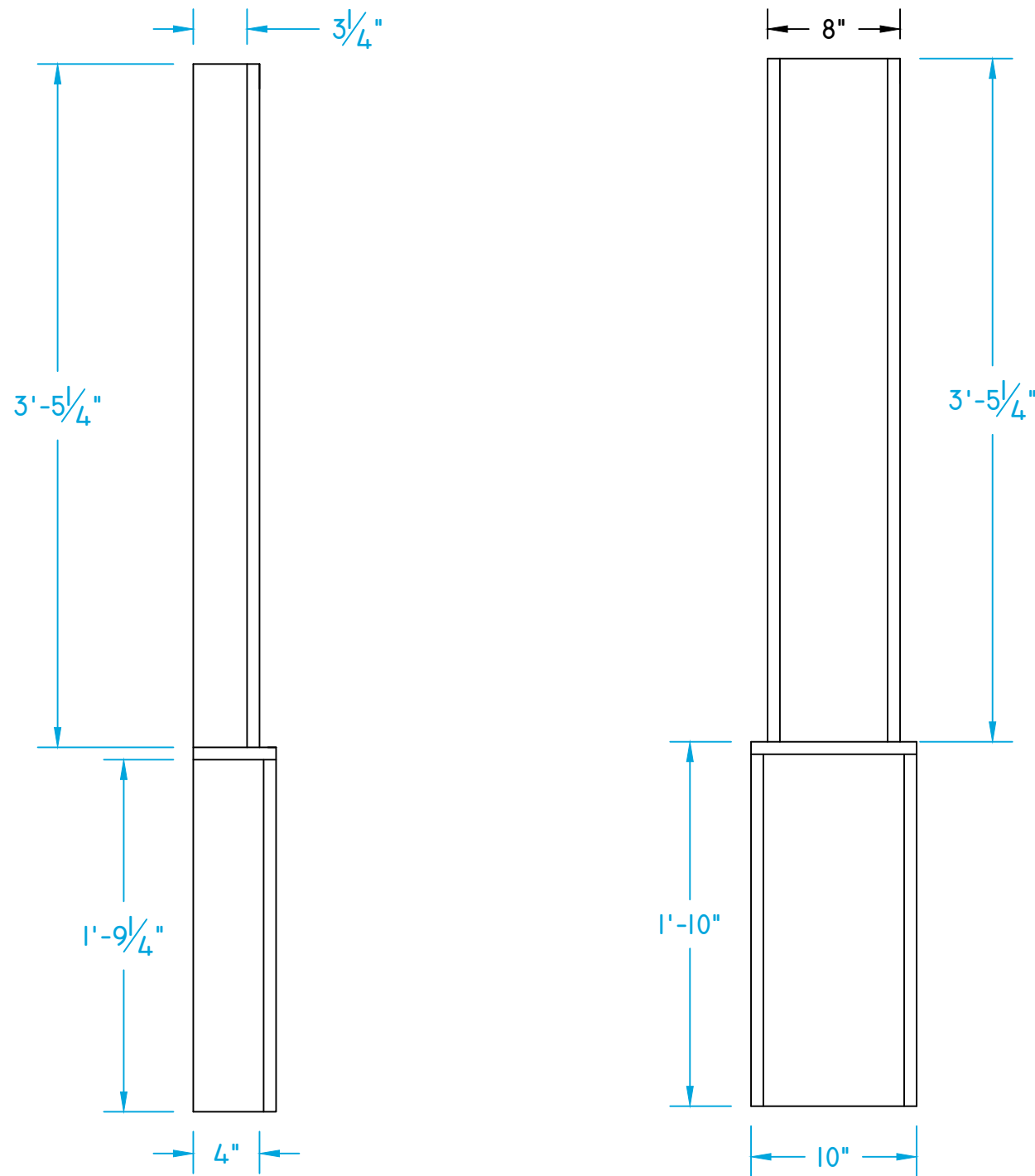
TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

7

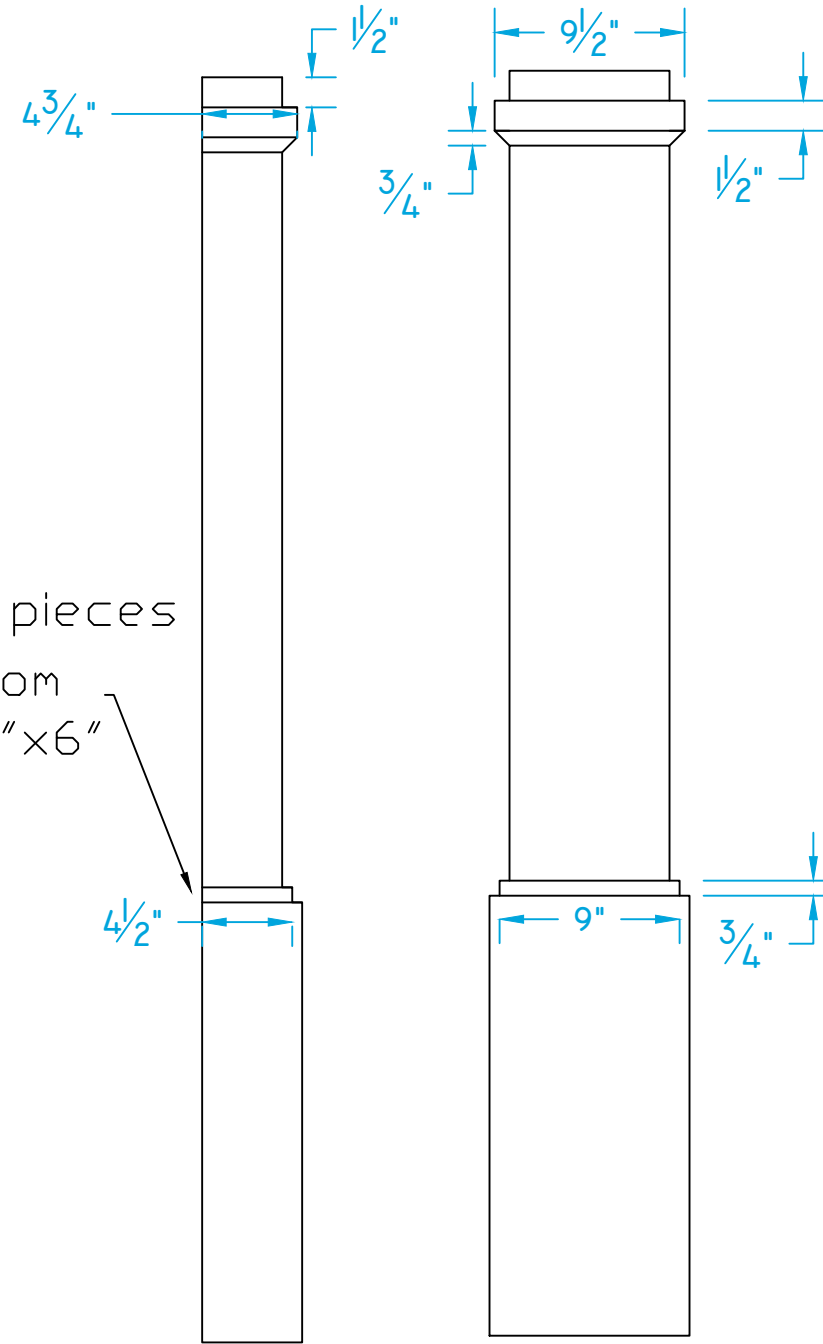
OF: 20

- Use 3/4" Plywood
- Use wood glue and screws, add cleats when necessary



Side Removed View

Front Removed View



Side

Front

Composite of Post

All trim pieces made from ripped 1"x6"

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SCALE: 1/4"=1'

DATE: 8/17

ENEMY OF THE PEOPLE STAIR RAILING POST

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

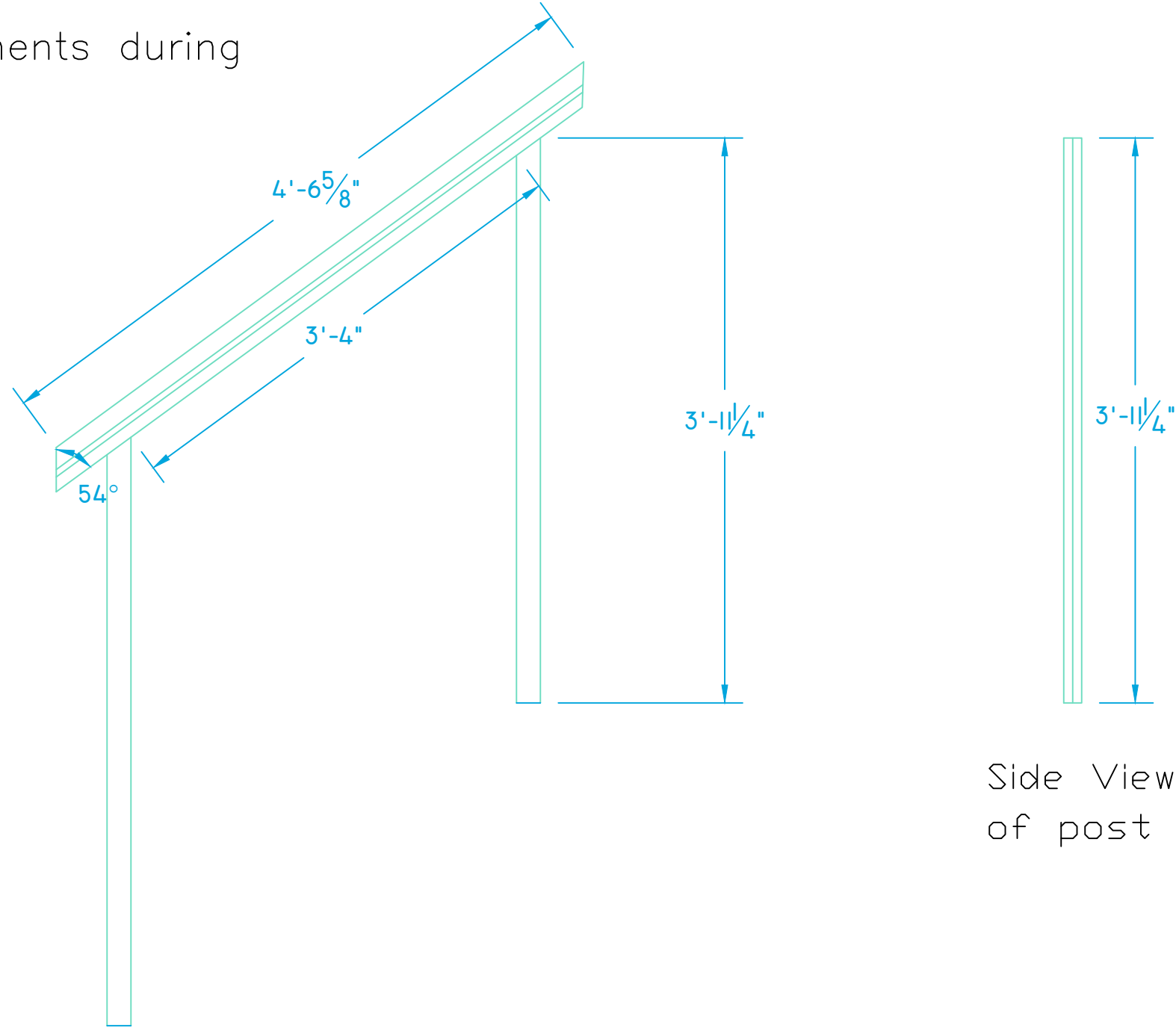
TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

8

OF 20

- Use store bought railing for top piece rip a 2"x4" to width, cut to size & attach to bottom of store bought railing
- Build posts from ripped 1"x6"
- Measure first and last post placement
- Measure other post placements during build, (trial and error)



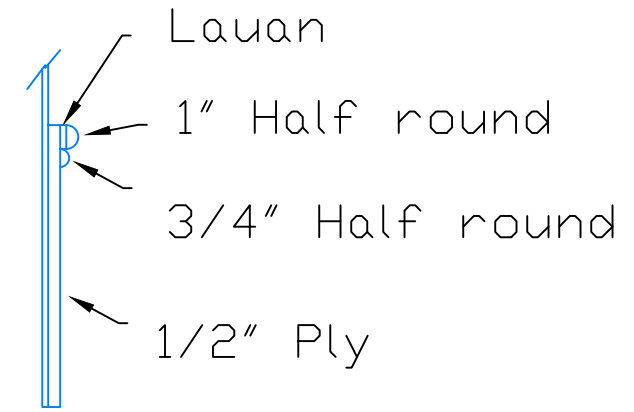
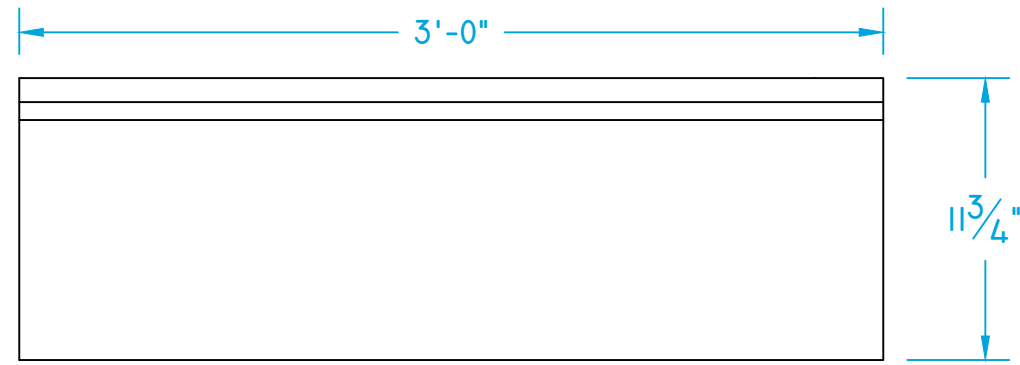
Side View of post

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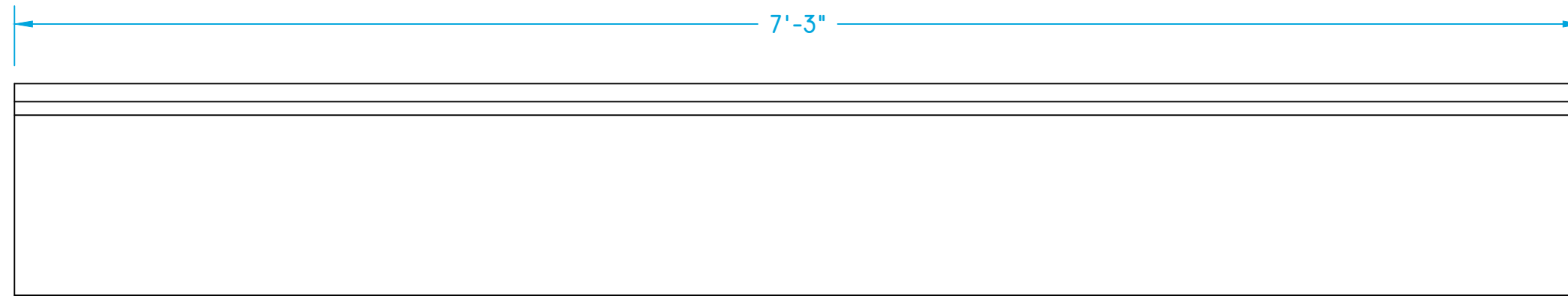
SCALE: 1/2"=1'	
DATE: 8/17	
ENEMY OF THE PEOPLE	
STAIR RAILING	
PRODUCED BY: OTTERBEIN UNIVERSITY	DESIGNER: ROB JOHNSON
DIRECTOR: LENNY LEIBOWITZ	TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ
PLATE #	
9	
OF: 20	

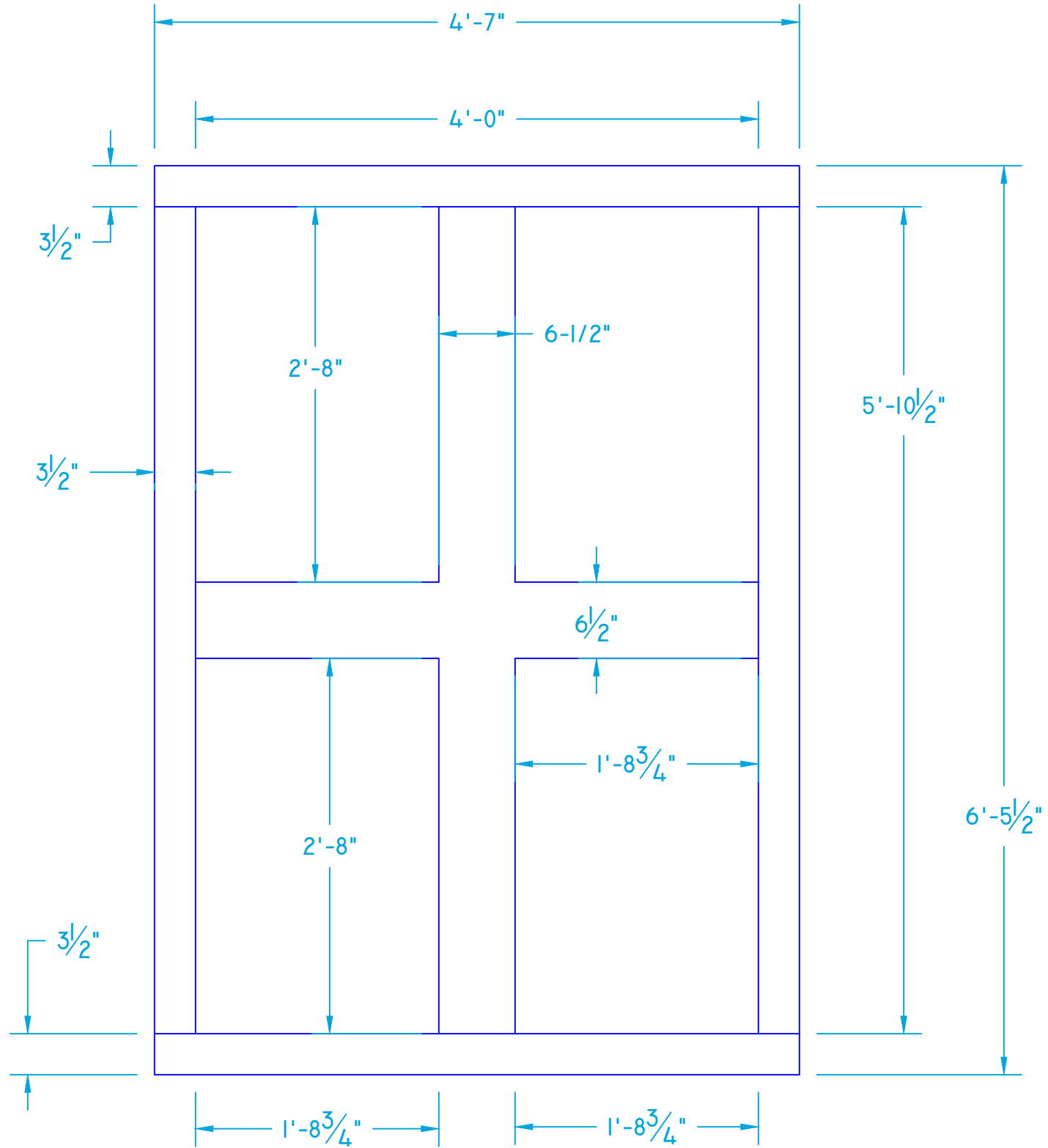
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- Baseboard is 1/2" Ply ripped to 11-3/4"
- SEE SIDE VIEW: Rip lauan to 1" and cut to length, attach at top of 1/2" ply, under the 1" half round
- Make one piece at 3' long, and another at 7'3"
- After these are painted we will attach to wall and jig out to match irregular sides



Side View





- Outer frame made from ripped 1"x6", inside cross shape made with ply
- Use a half lap on 1"x6" frame
- Use keystones to attach ply cross to 1"x6" frame

SCALE: 1"=1'

DATE: 8/17

ENEMY OF THE PEOPLE WINDOW BASE

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

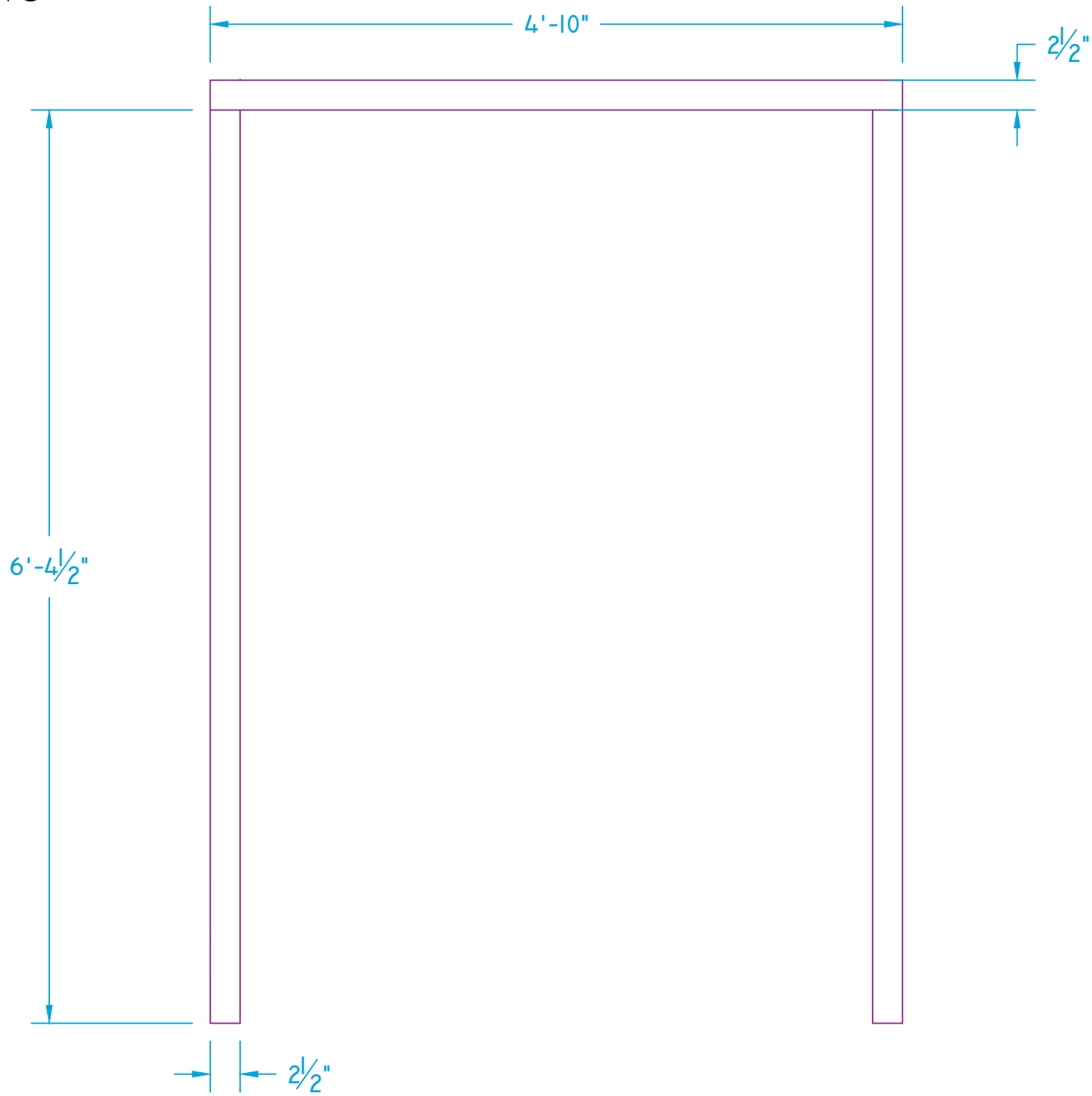
TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

11

OF: 20

- Made from ripped 1"x6"
- Use wood glue and screws
- Use a half lap joint at corners



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SCALE: 1"=1'

DATE: 8/17

ENEMY OF THE PEOPLE

WINDOW I. FRAME

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

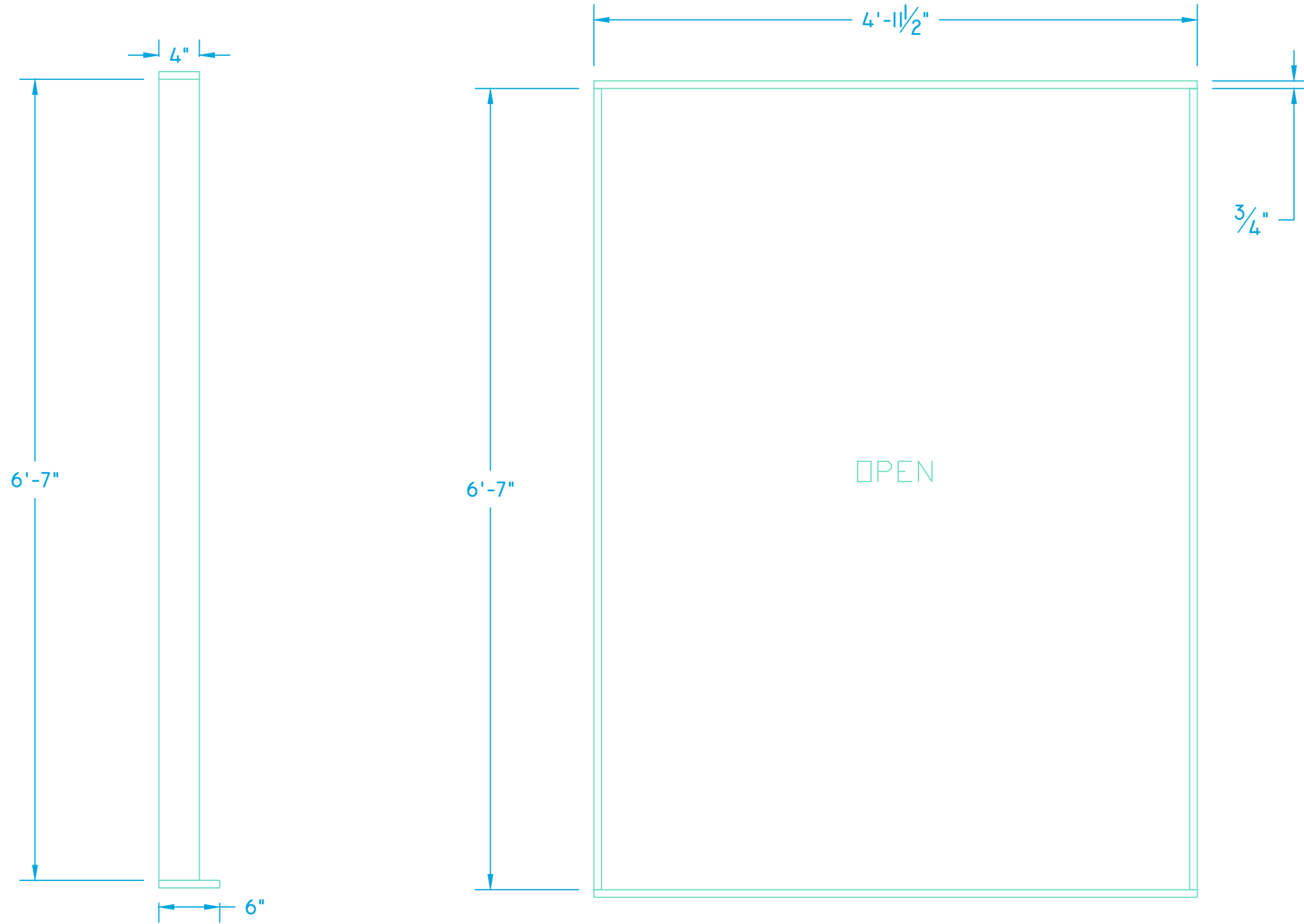
PLATE #

12

OF: 20

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- Made from ripped 1"x6"
- Use wood glue and screws



Frame Side View

Frame Front View

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SCALE: 1"=1'

DATE: 8/17

ENEMY OF THE PEOPLE

OUTSIDE W. FRAME

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

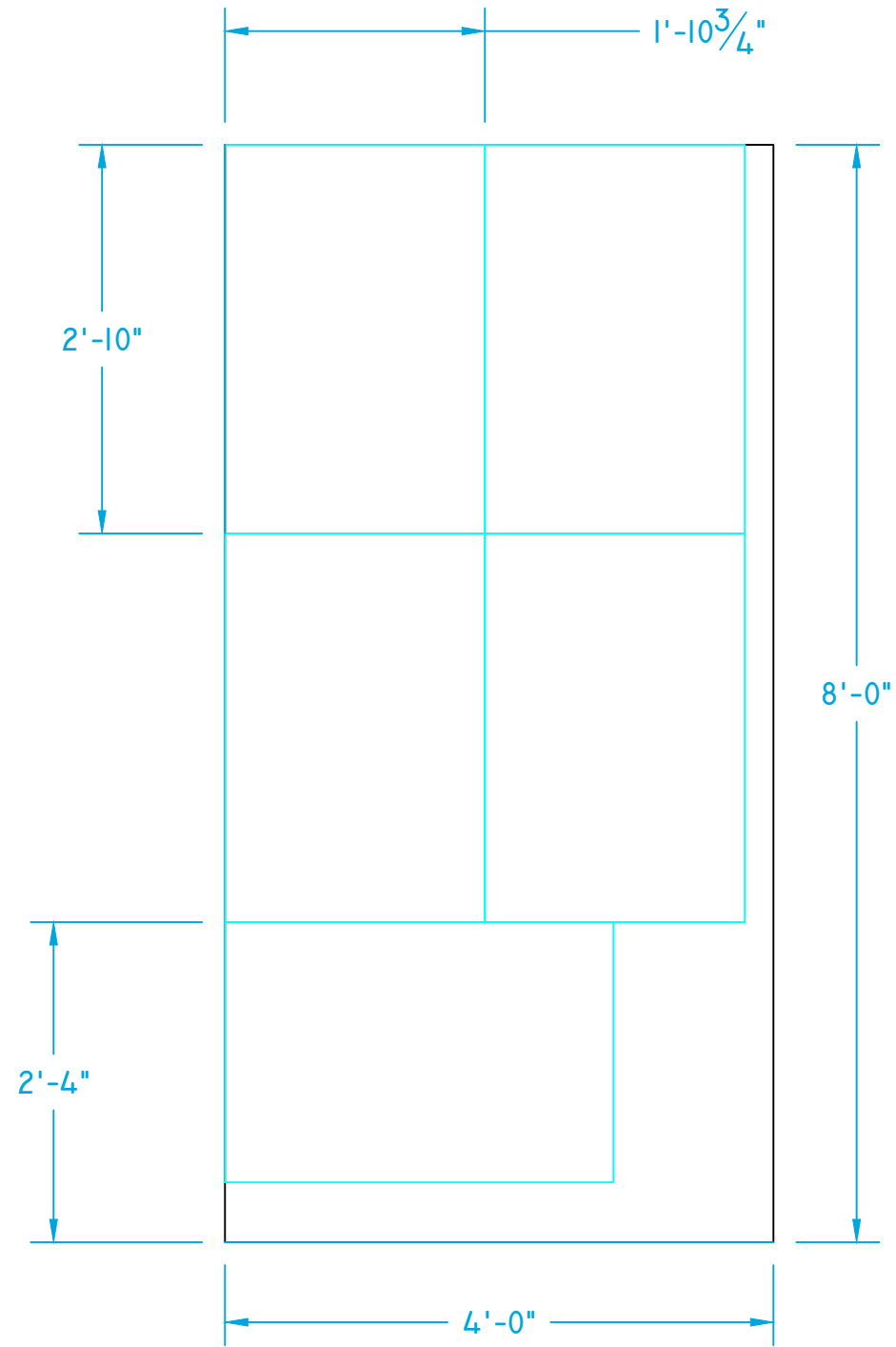
DESIGNER: ROB JOHNSON

TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

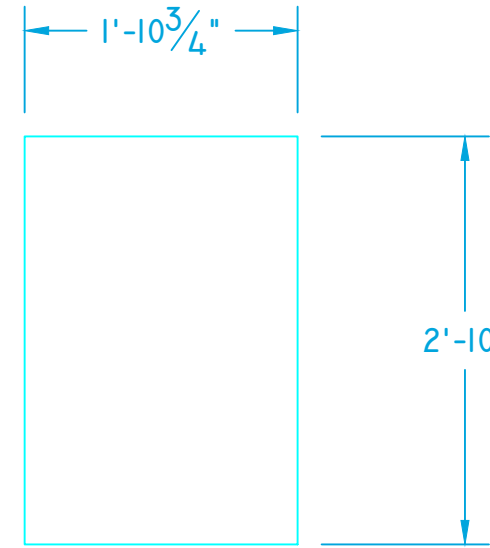
PLATE #

13

OF 20



Plexiglas Cut Layout



- Cut (6) 2'10" x 1'10-3/4" Rectangles
- Cut off 2'4" section first, then cut the rest

SCALE: 3/4"=1'

DATE: 8/17

ENEMY OF THE PEOPLE
PLEXI CUT LAYOUT

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DIRECTOR: LENNY LEIBOWITZ

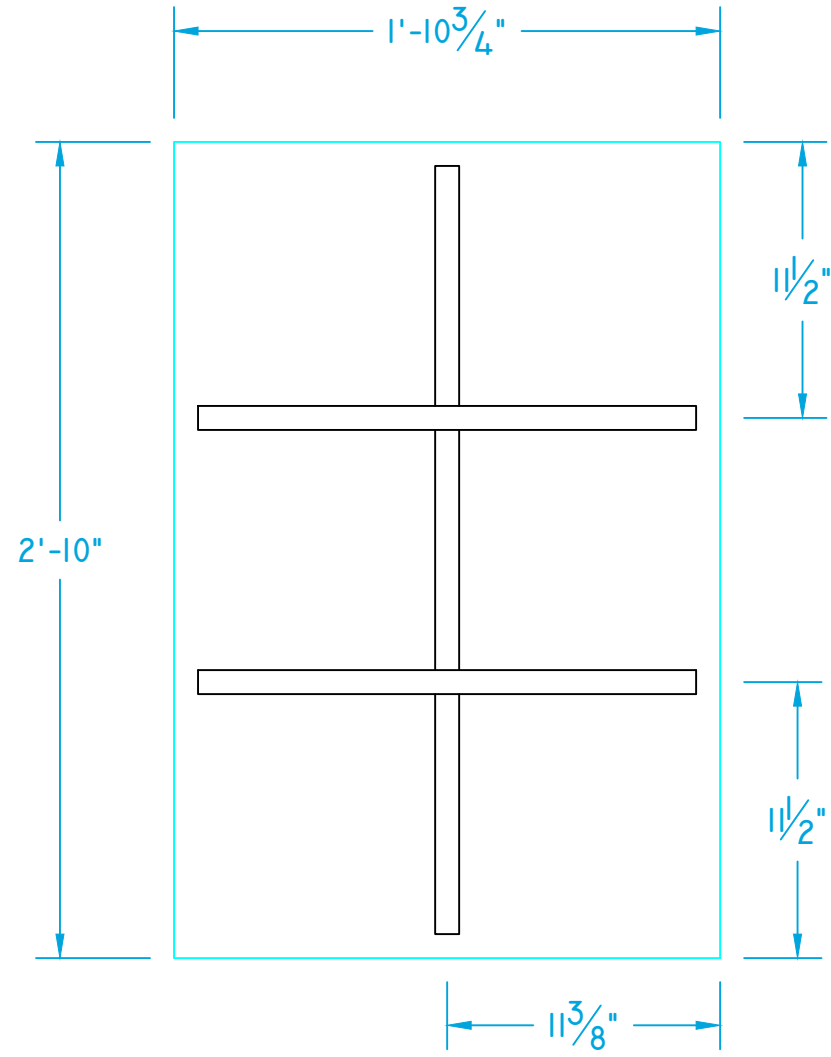
DESIGNER: ROB JOHNSON

TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

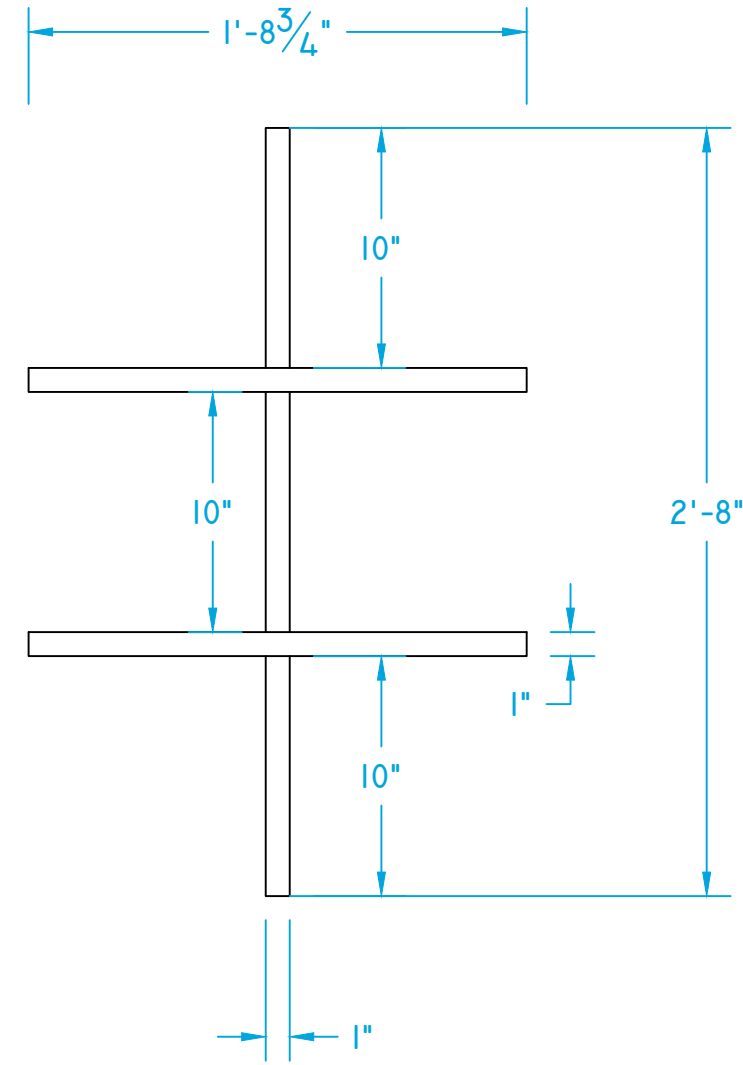
PLATE #

14

OF: 20



Plexi with Lauan Strips



Lauan Strip Measurements

– Cut strips and glue down to plexiglas

SCALE: 1"=1'

DATE: 8/17

ENEMY OF THE PEOPLE WINDOW MOUNTING

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

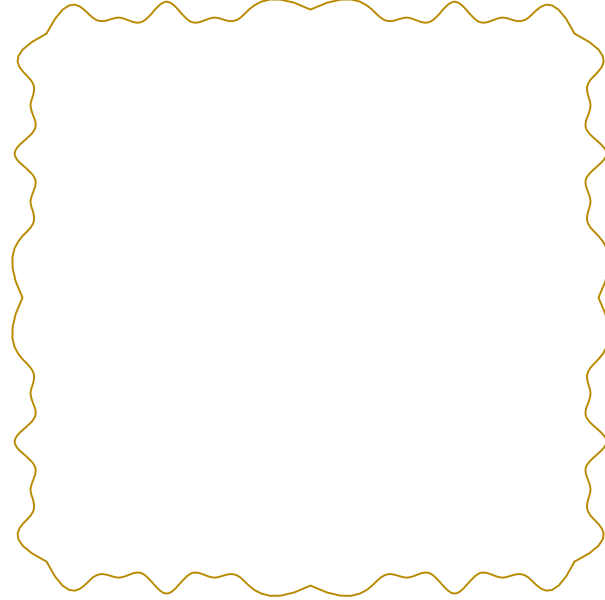
DESIGNER: ROB JOHNSON

TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

15

OF: 20



- Use Spray Adhesive to adhere this template to Lauan
- Cut with Jigsaw and attach to trim on window base

SCALE: 1"=1"

DATE: 8/17

ENEMY OF THE PEOPLE WINDOW TEMPLATE

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

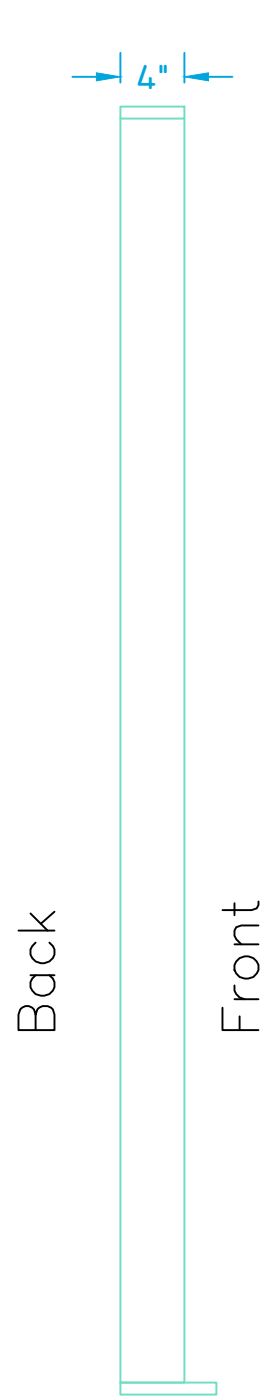
TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

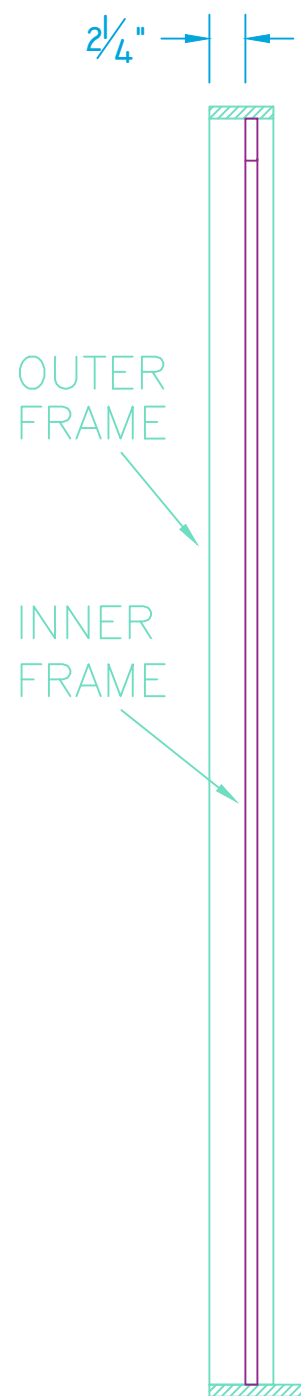
16

OF: 20

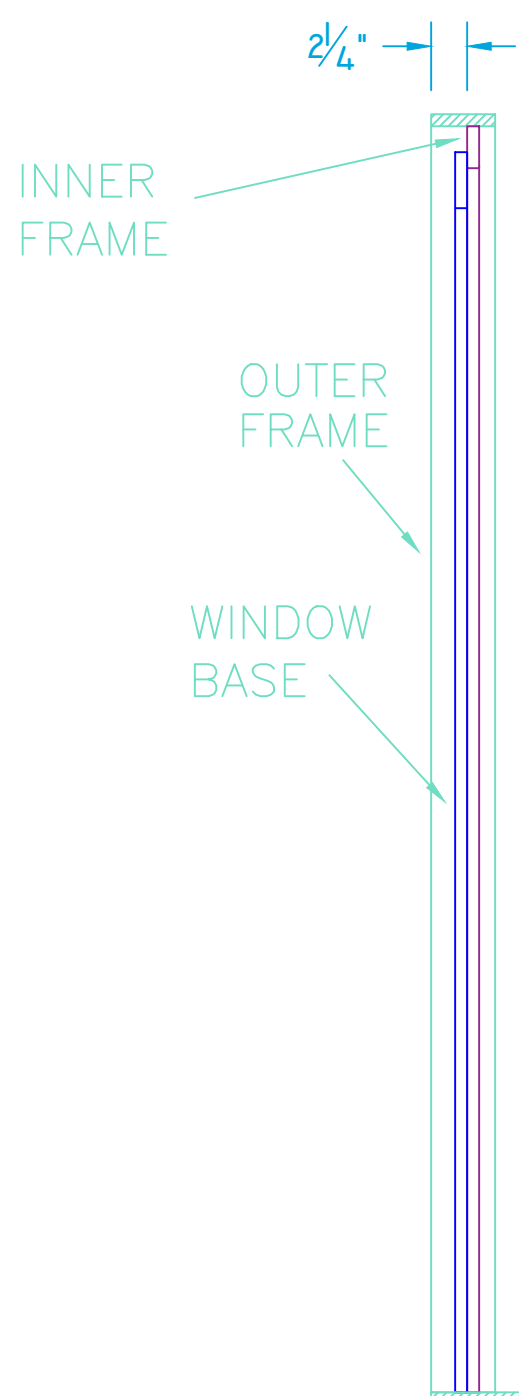
Cutaway Side View



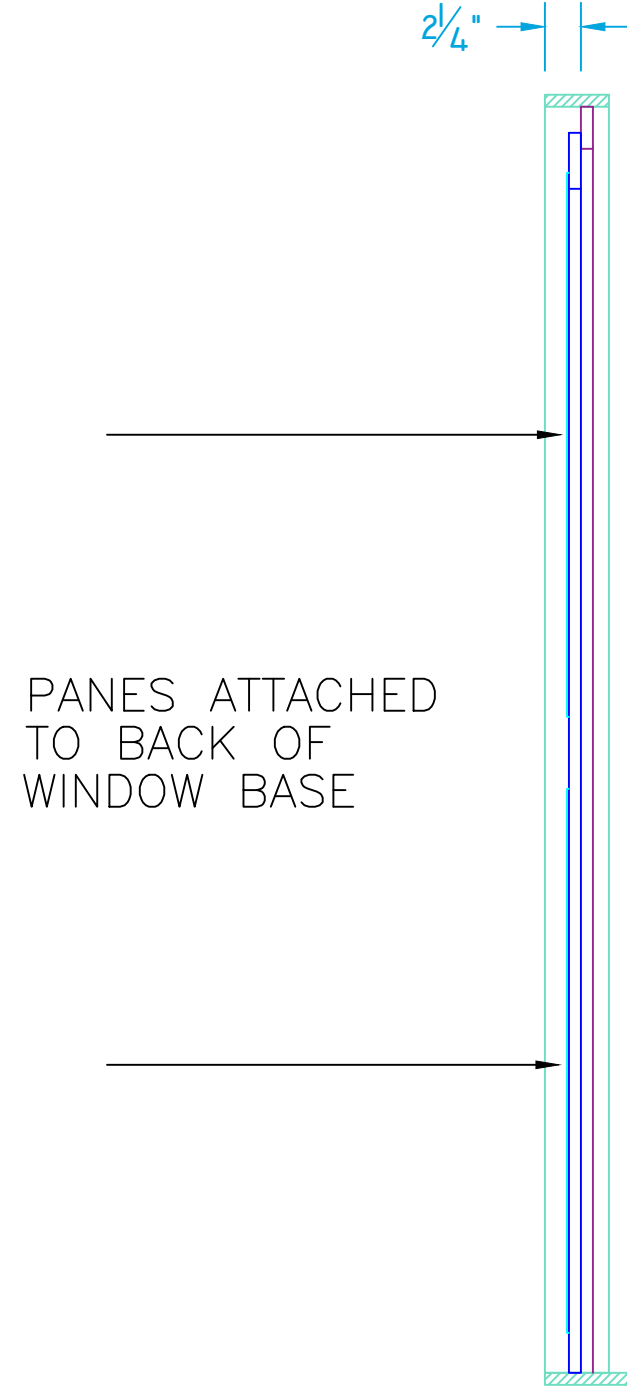
Step 1:
Outer Frame:



Step 2:
Attach inner frame
to outer frame



Step 3:
Attach window base
to inner frame



Step 4:
Attach window
panes to base

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SCALE: 1"=1'

DATE: 8/17

ENEMY OF THE PEOPLE
W. FRAME PLACEMENT

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

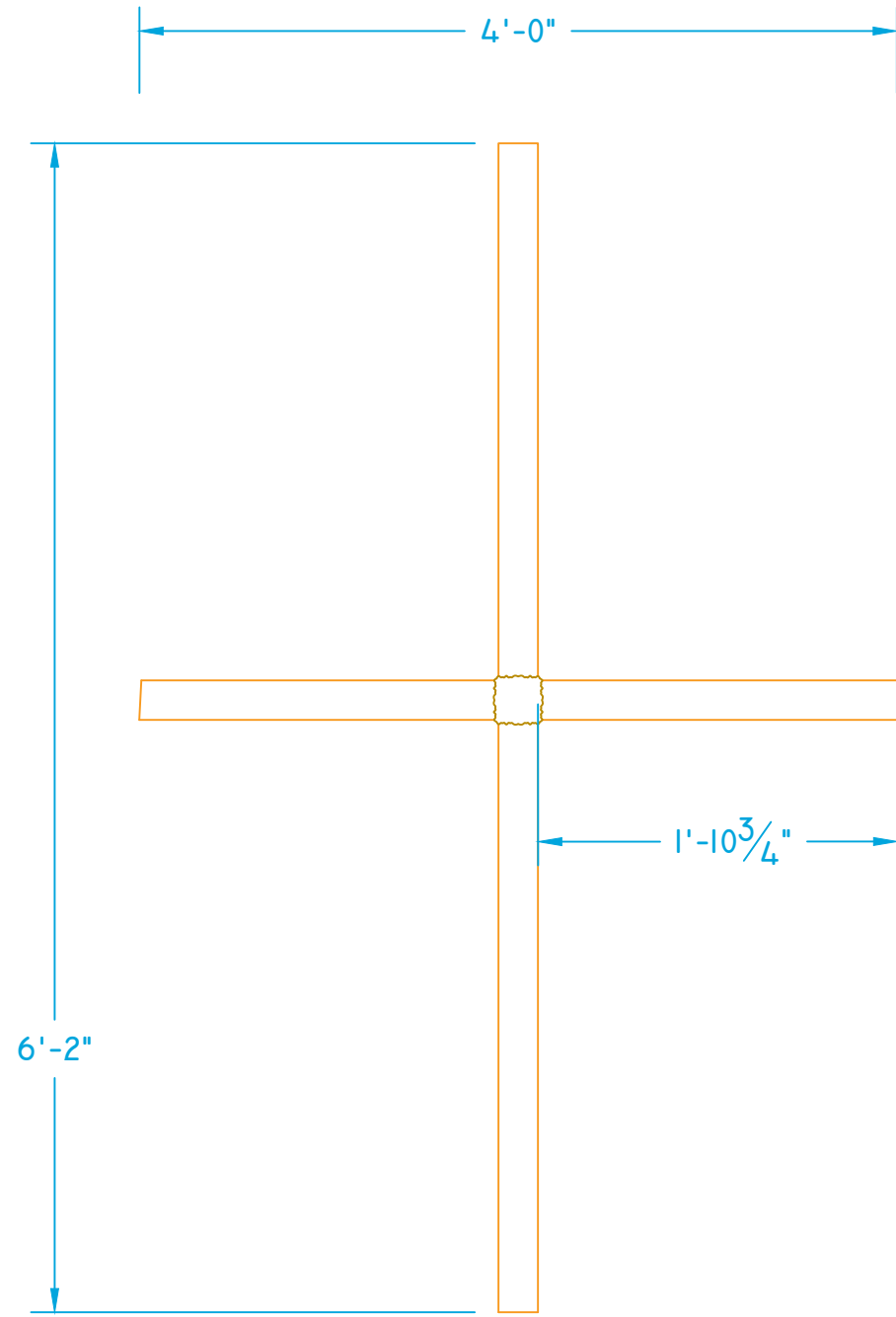
PLATE #

17

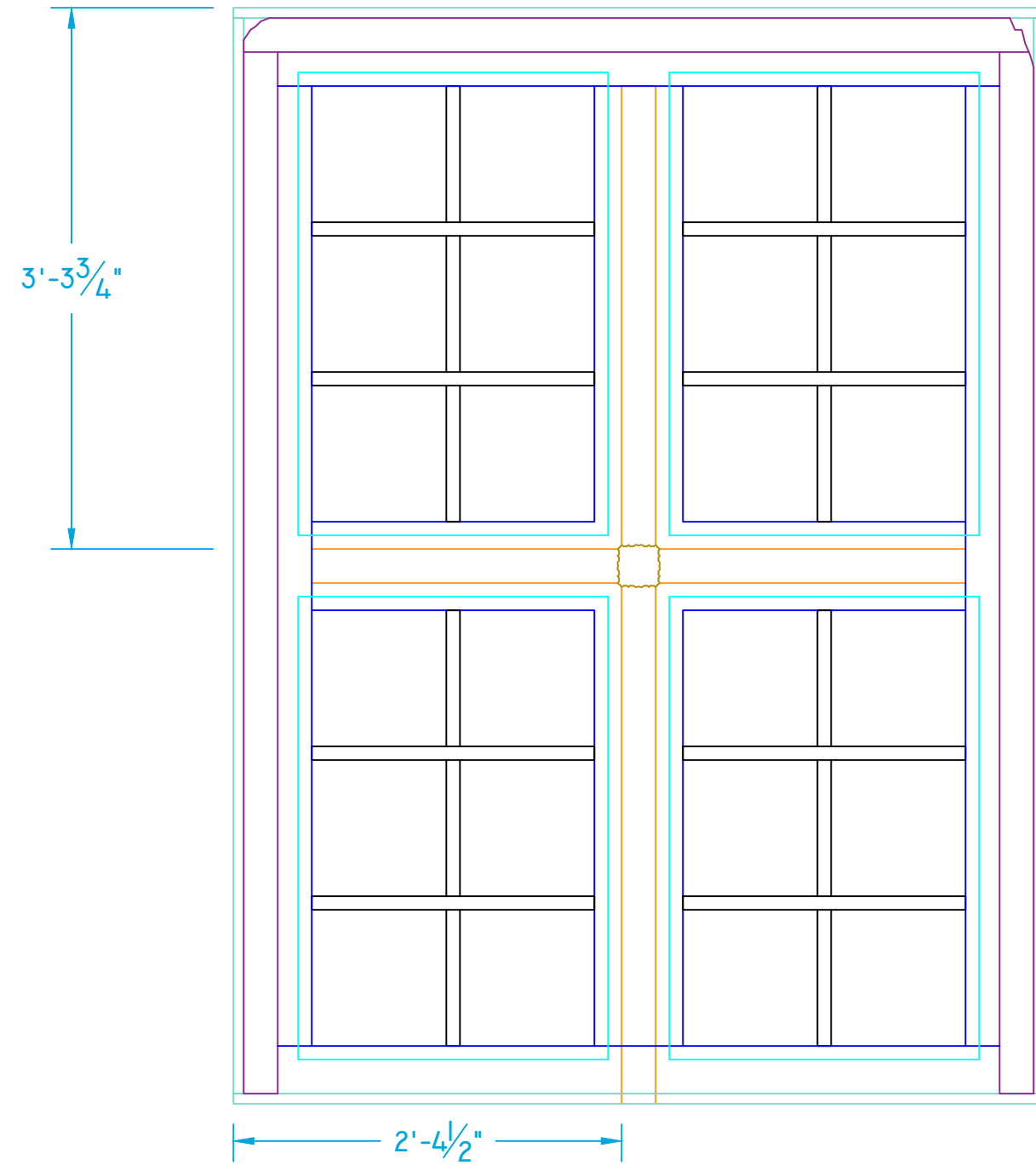
OF: 20

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Decorative Luan



Composite View of Window

- Made of two layers of luan (2-1/2" Strips)
- See Plate #13 for decorative piece
- Use wood glue and slant nails to attach to window base

SCALE: 1"=1'

DATE: 8/17

ENEMY OF THE PEOPLE

WINDOW COMPOSITE

PRODUCED BY: OTTERBEIN UNIVERSITY

DIRECTOR: LENNY LEIBOWITZ

DESIGNER: ROB JOHNSON

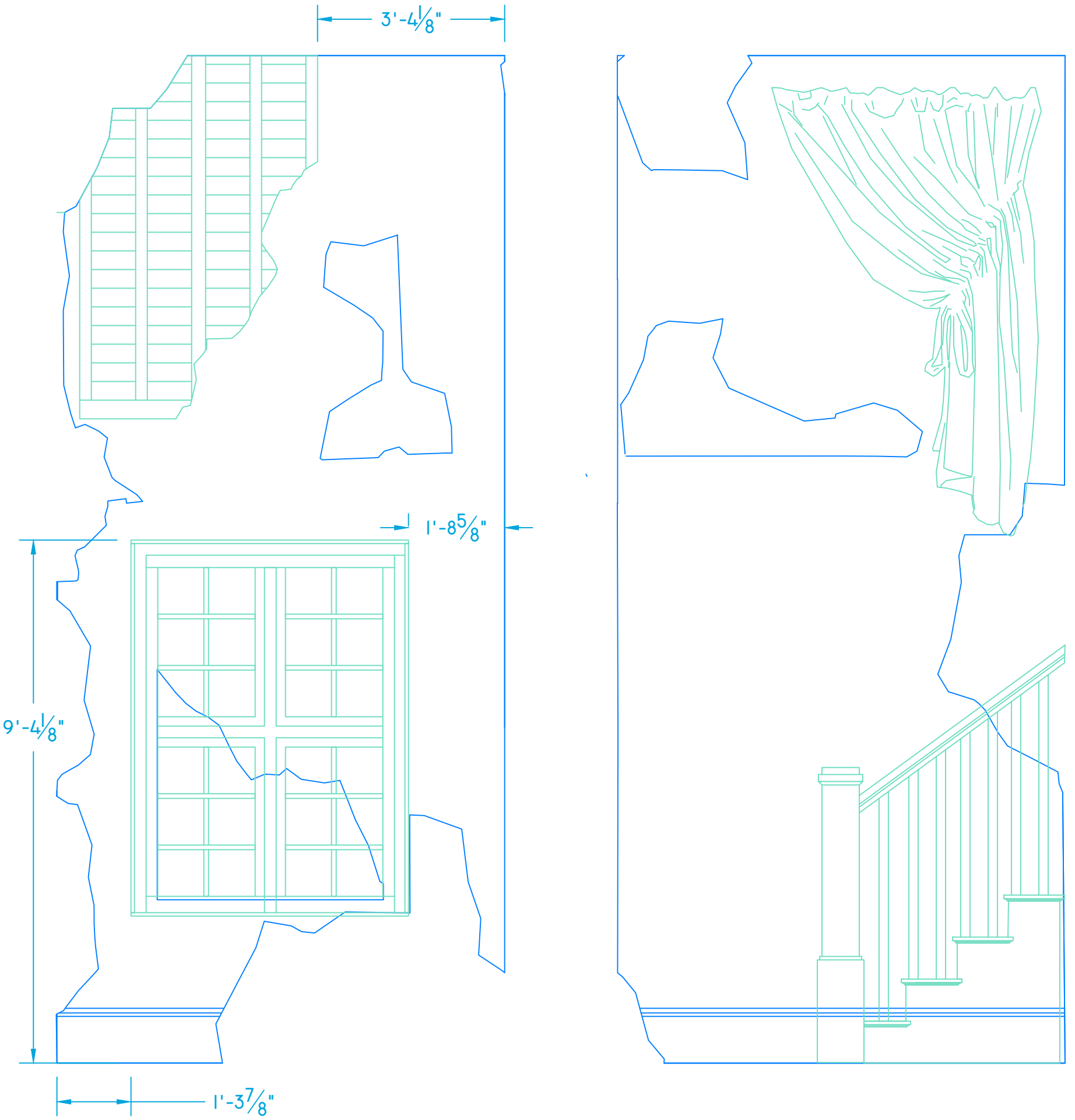
TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

PLATE #

18

OF: 20

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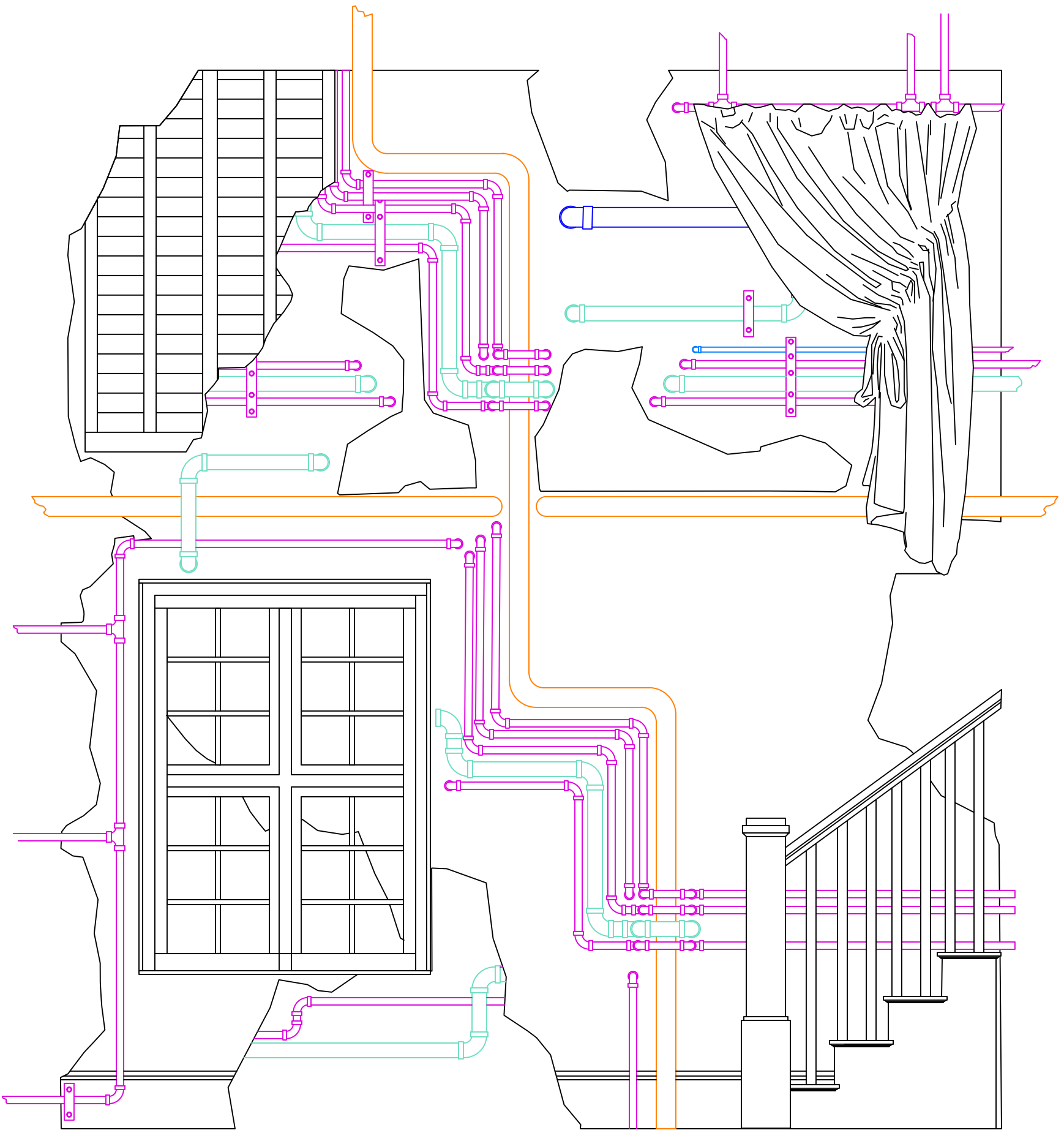


19 OF: 20	PLATE #	PRODUCED BY: OTTERBEIN UNIVERSITY
		DIRECTOR: LENNY LEIBOWITZ
		DESIGNER: ROB JOHNSON
		TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ

ENEMY OF THE PEOPLE ADDITIONS PLACEMENT

SCALE: 1/2" = 1'
DATE: 9/9

- = 4" PVC
- = 3" PVC
- = 1-1/2" PVC
- = 1" PVC



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20 <small>OF: 20</small>	PLATE #	PRODUCED BY: OTTERBEIN UNIVERSITY	<h1>ENEMY OF THE PEOPLE</h1> <h1>PVC SIZES</h1>	SCALE: 1"=1'
	DESIGNER: ROB JOHNSON	TECHNICAL DIRECTOR: SOPHIE RODRIGUEZ		DATE: 9/20