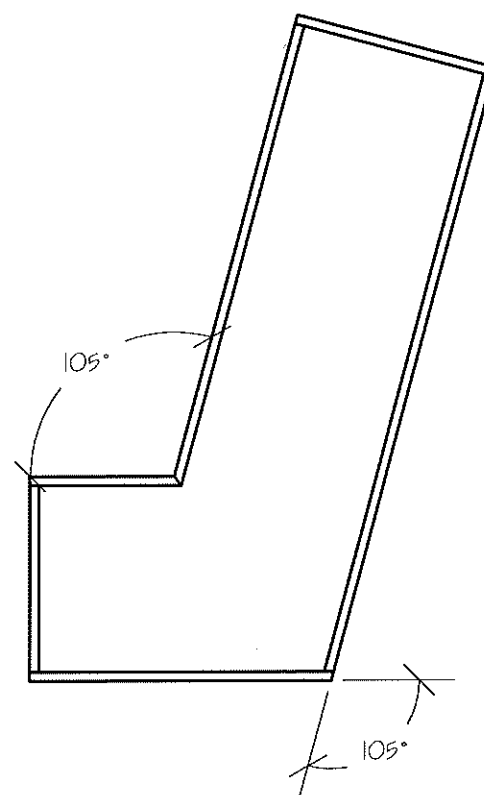
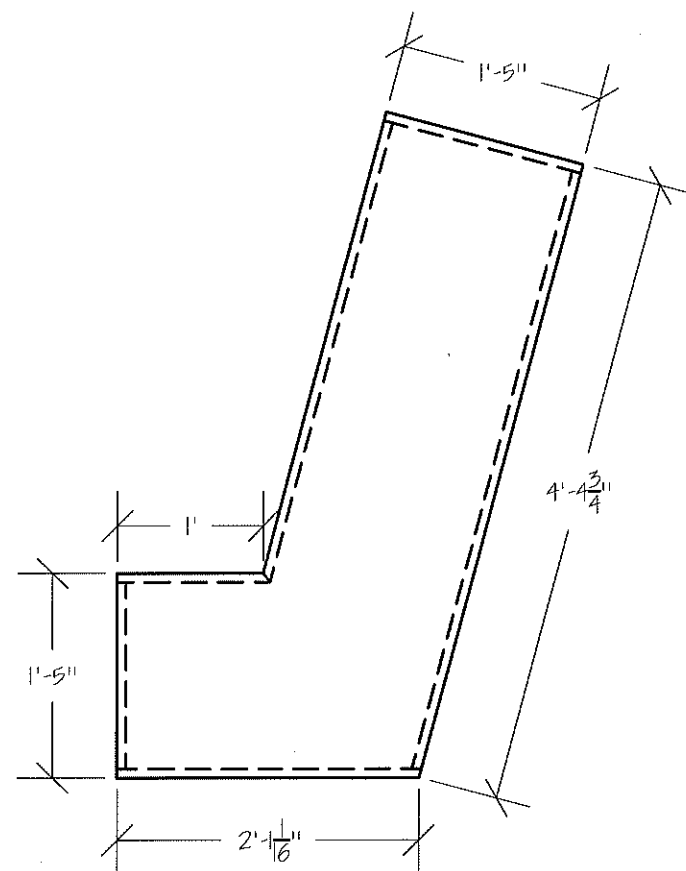




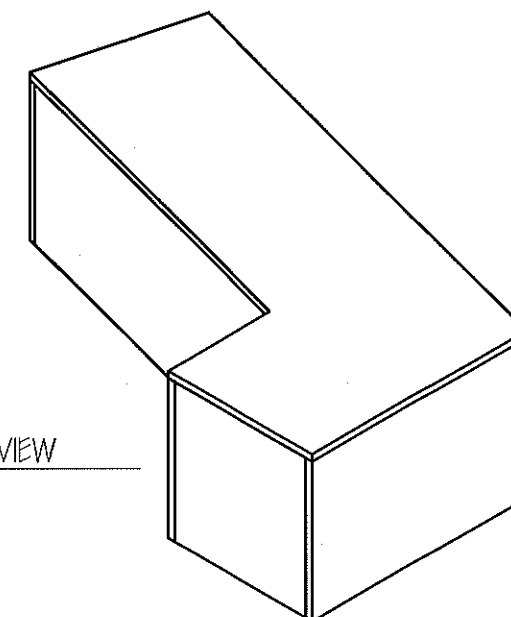
NOTES:


- CUT THE LID AND USE AS A LAYOUT JIG
- LID IS REMOVED IN SECOND VIEW FOR CLARITY
- USE GLUE AND NC STAPLES
- ALL WOOD IN UNIT IS $\frac{3}{4}$ " PLYWOOD



 **BENCH LAYOUT**
 Scale $\frac{3}{4}$ " = 1'-0"
 BUILD TWO: (R AND R)

 **ISOMETRIC VIEW**
 Not to Scale

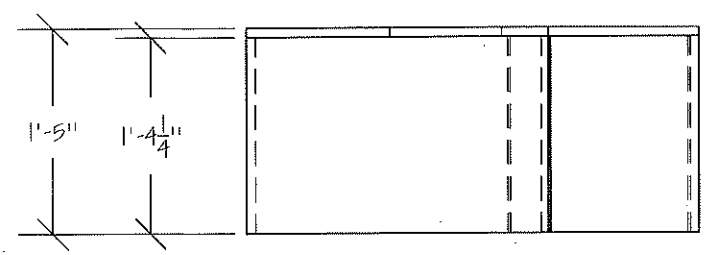
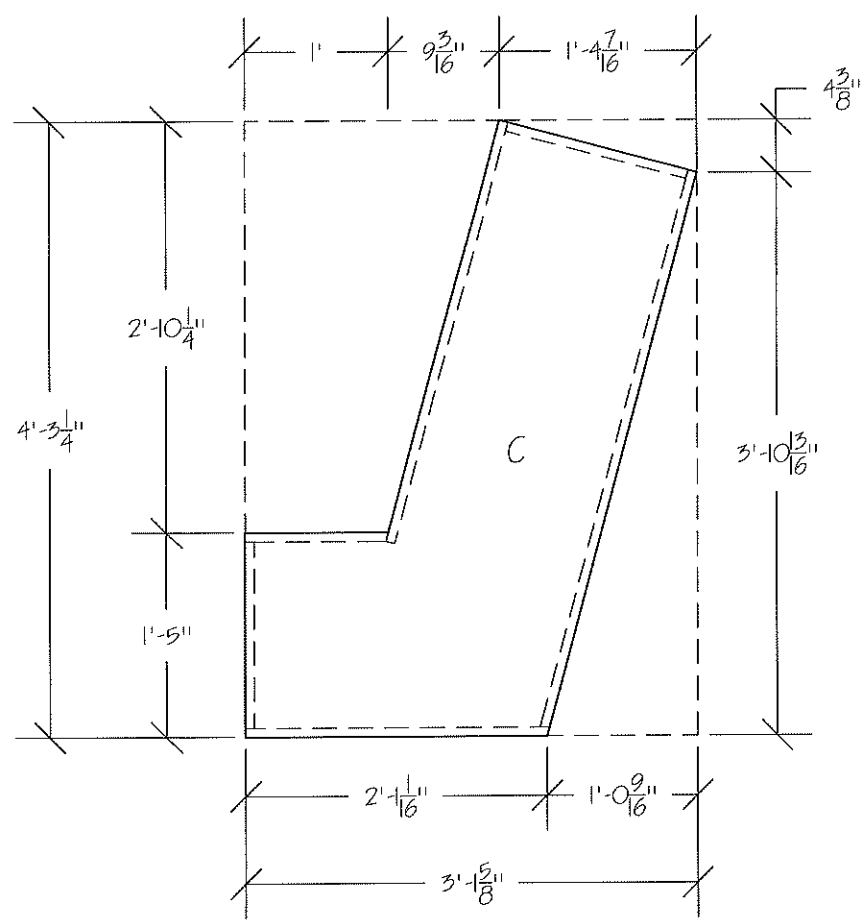


University of North Carolina School Of The Arts School Of Design and Production			
Bench Layout		Advisor Approval	
Designer: Manika Gupta	Director: Steve Lacosse	 One One	
Date: September 5, 2017	Scale: As Noted		
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santojanni		
Drafted by: Ashley Acevedo	LC: Jonah Hargett		

SL & SR Benches

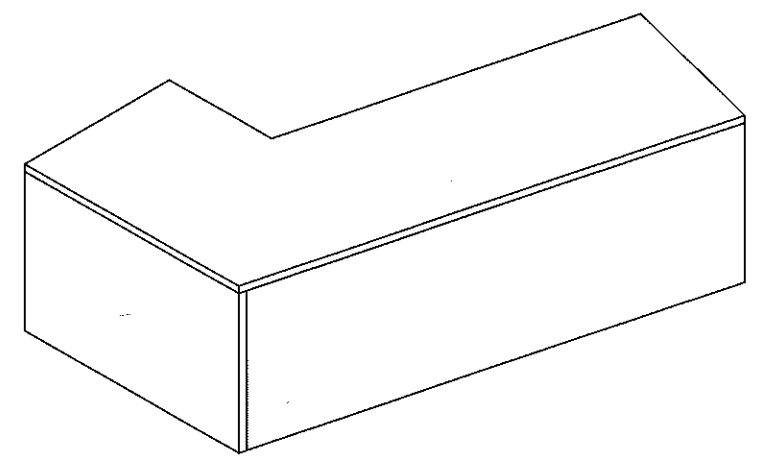
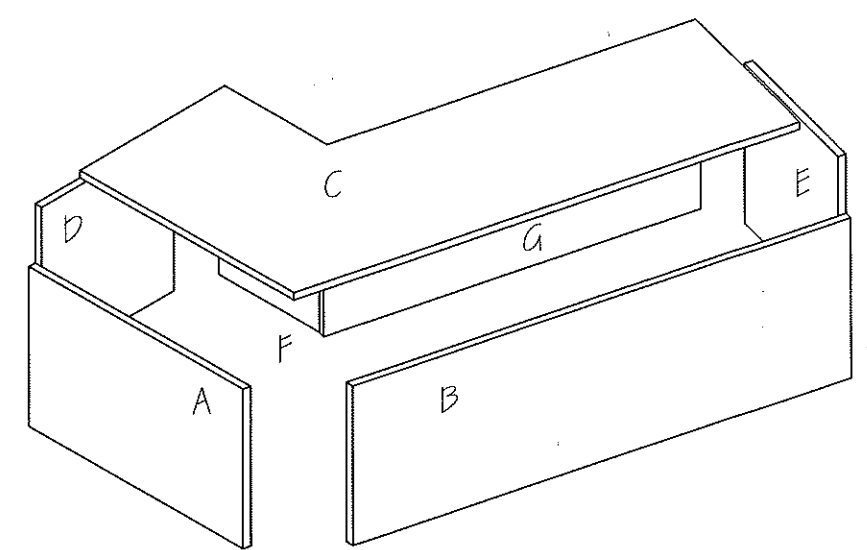
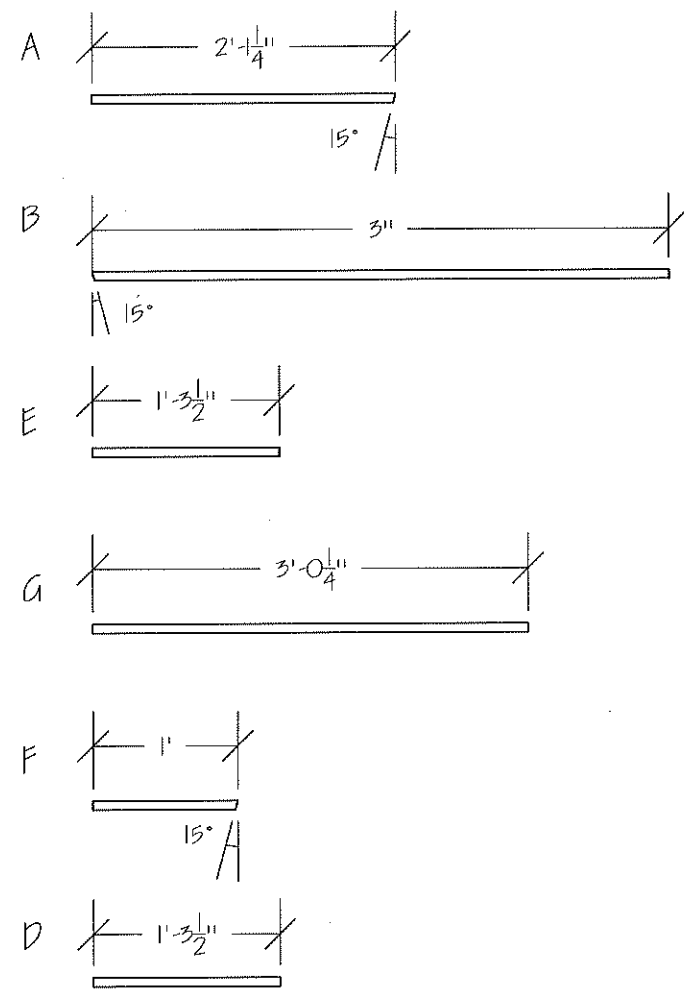
NOTE: The SL and SR benches are Mirror Images.

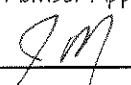
- Bench Lid**
- Cut from $\frac{3}{4}$ " Ply
 - NC Staple & Glue Construction



Front View

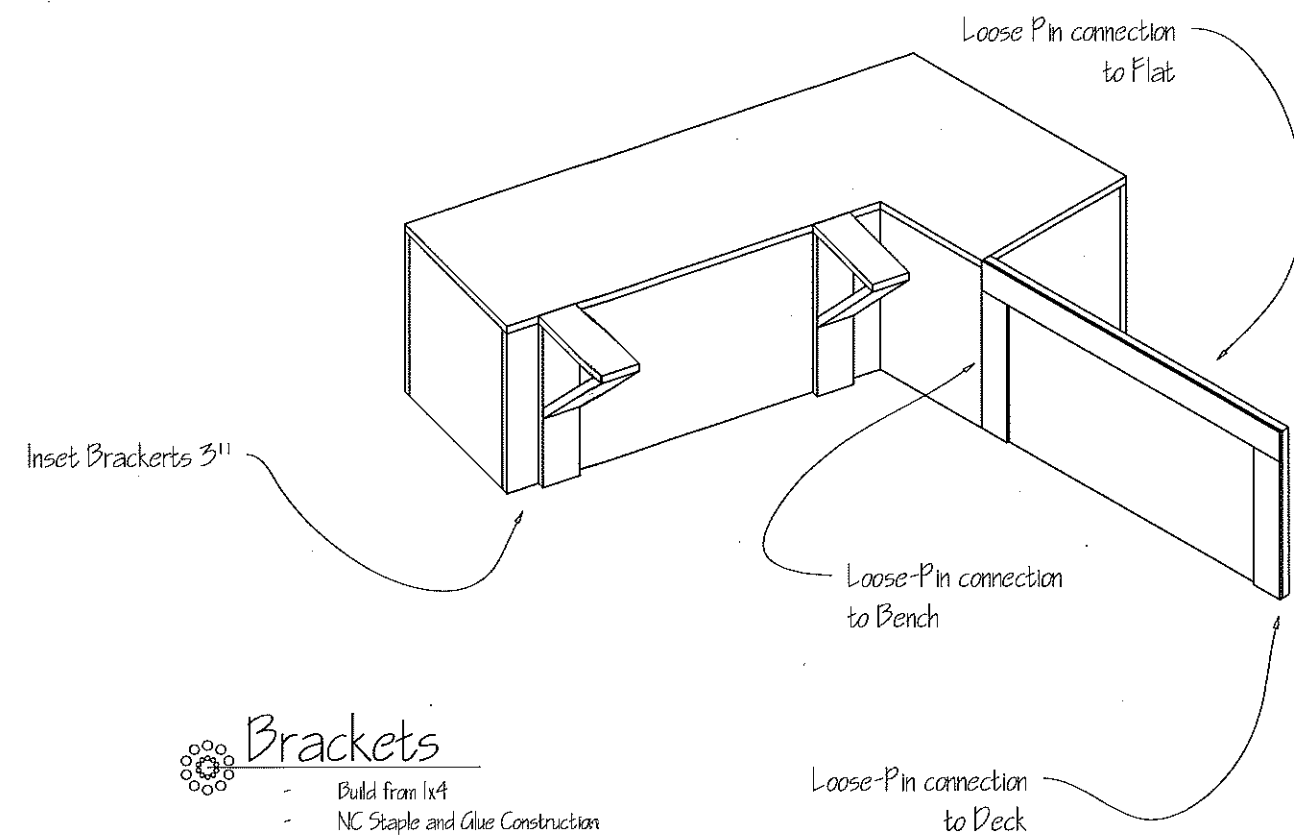
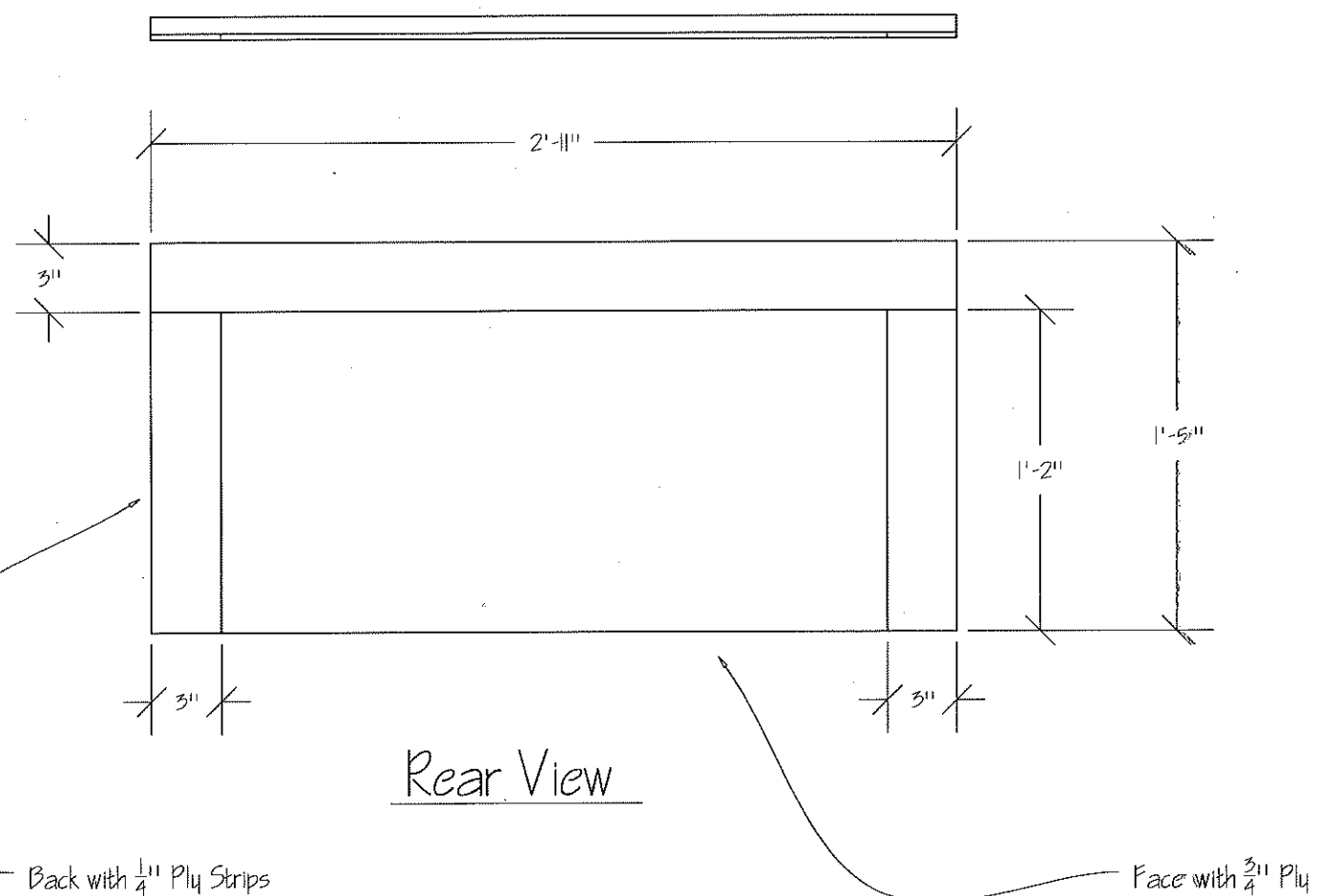
- Bench Sides**
- Cut from $\frac{3}{4}$ " Ply
 - NC Staple & Glue Construction



University of North Carolina School Of The Arts		Advisor Approval
School Of Design and Production		
SL and SR Benches		 One of Two
Designer: Manika Gupta	Director:	
Date: 2 / 27 / 2019	Scale: $\frac{3}{4}$ " = 1'	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Sam Santolanni	LC: Jonah Hargett	

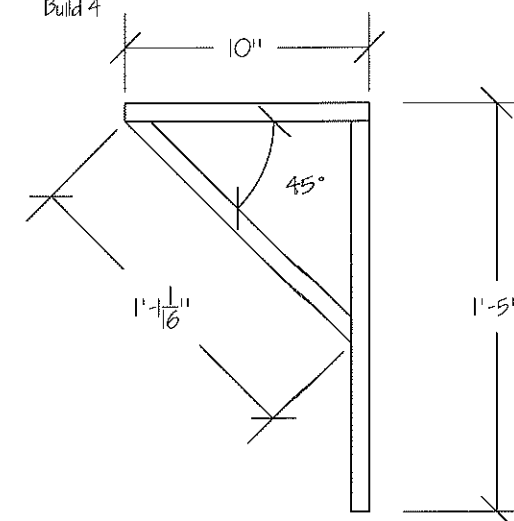
Flat Bottoms


- Build 2
- NC Staple & Glue Construction
- JC Face



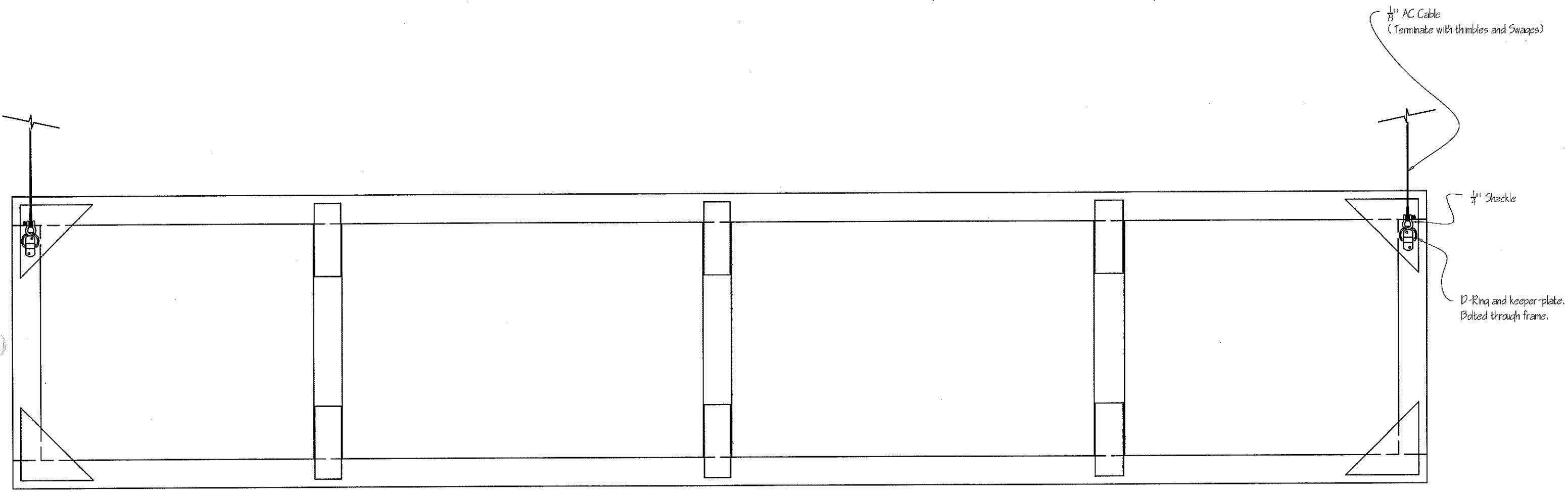
Brackets


- Build from 1x4
- NC Staple and Glue Construction
- Build 4

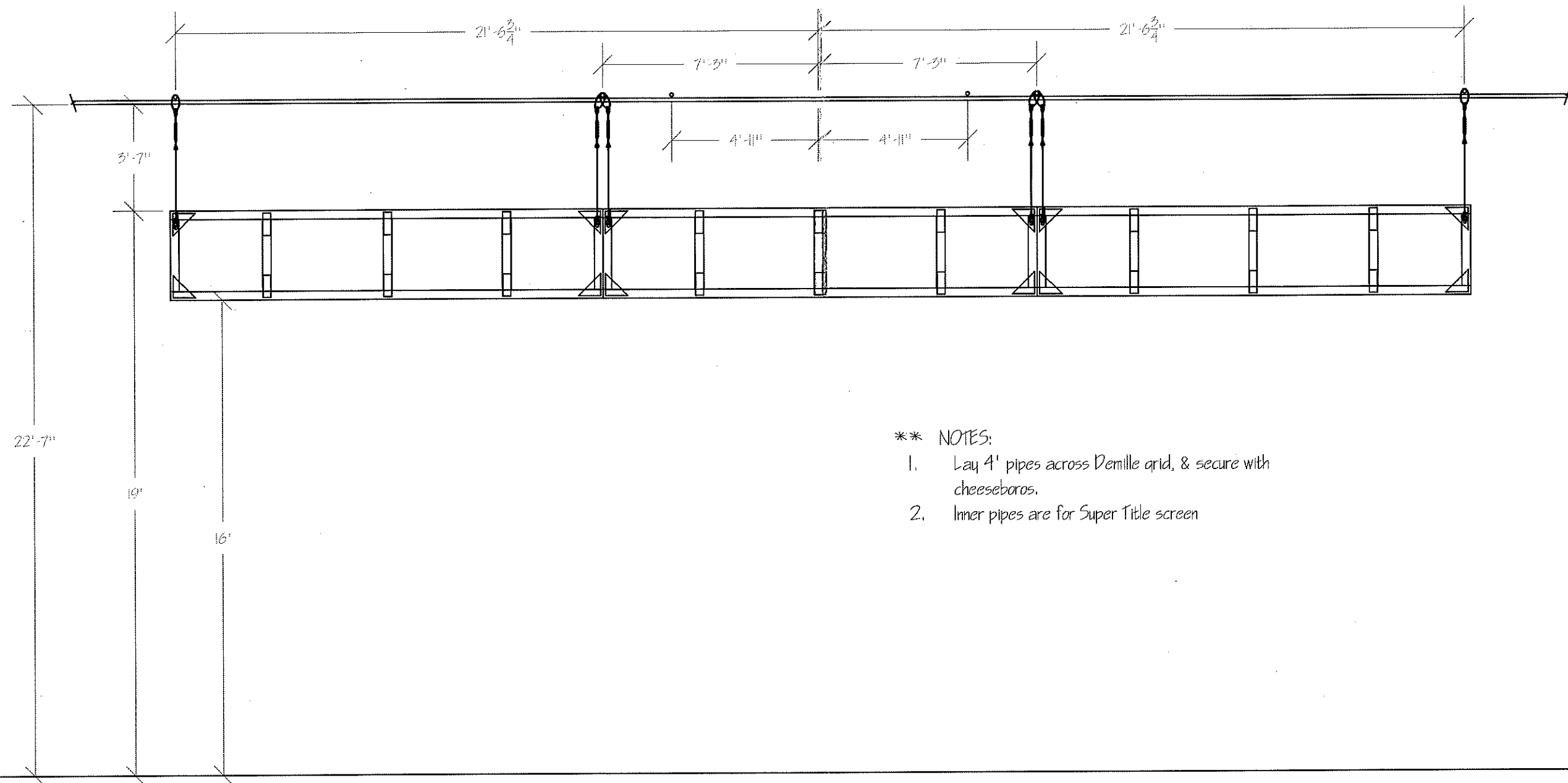


University of North Carolina School Of The Arts			
School Of Design and Production			
SL and SR Flat Bottoms & Brackets			
Designer: Manika Gupta	Director:	<div>Advisor Approval</div> 	
Date: 2 / 27 / 2019	Scale: 1-1/2" = 1'		
ID: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni		
Drafted by: Sam Santolanni	LC: Jonah Hargett		
			Two of Two

- ** NOTES:
- 1. Make AC cable after length has been confirmed by TD.
 - 2. Connect to pipe via chain and turnbuckles.
 - 3. For trial assembly substitute $\frac{1}{8}$ " AC cable for any available stingers & connect to flown truss in scene shop.



University of North Carolina School Of The Arts		
School Of Design and Production		
Portal Rigging: Sections B, C, D		
Designer: Manika Gupta	Director: Steve Lacosse	Advisor Approval  One Two
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Duncan Jenner-Bennett	LC: Jonah Hargett	



**** NOTES:**

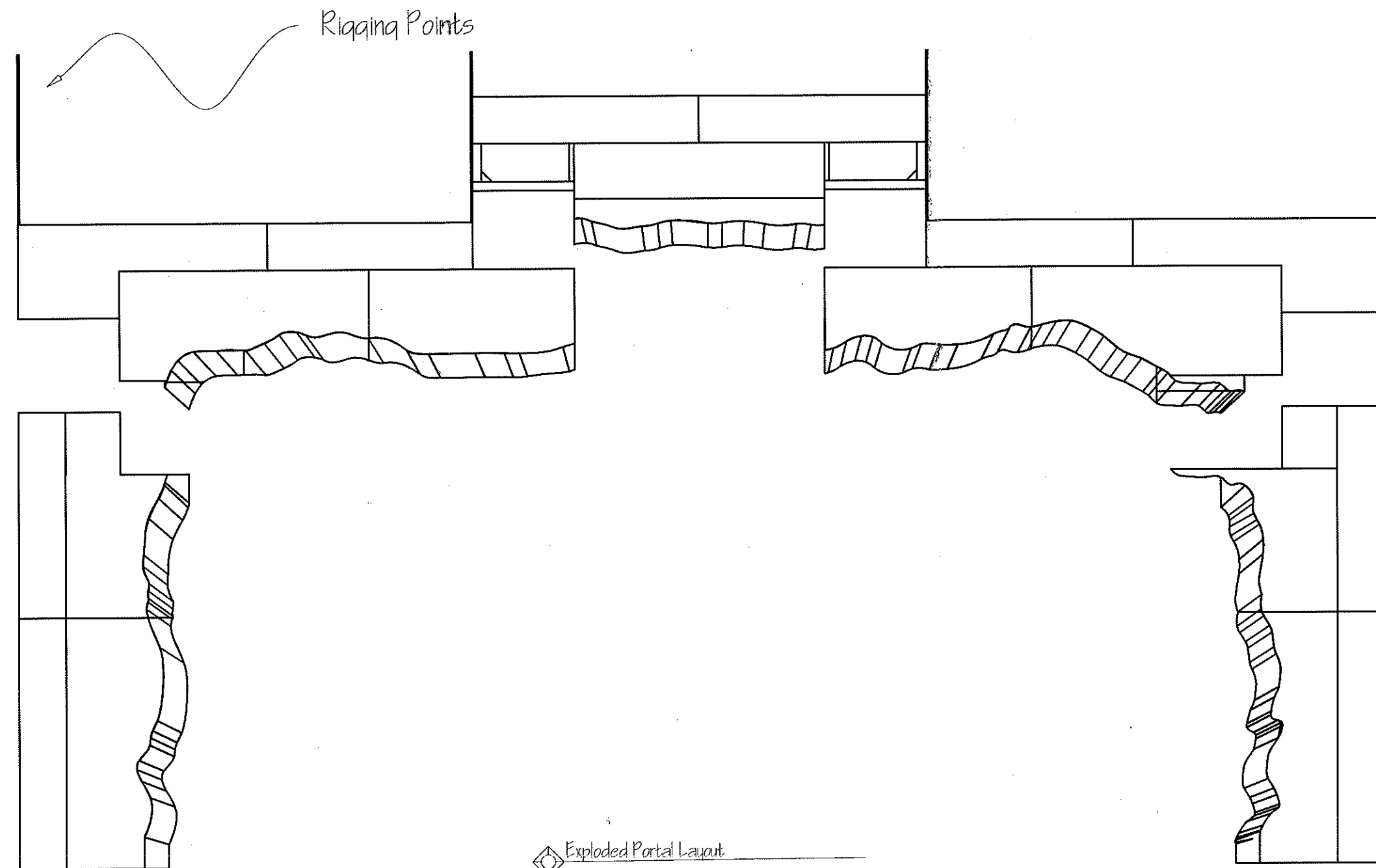
1. Lay 4" pipes across Demille grid, & secure with cheeseboros.
2. Inner pipes are for Super Title screen

University of North Carolina School Of The Arts

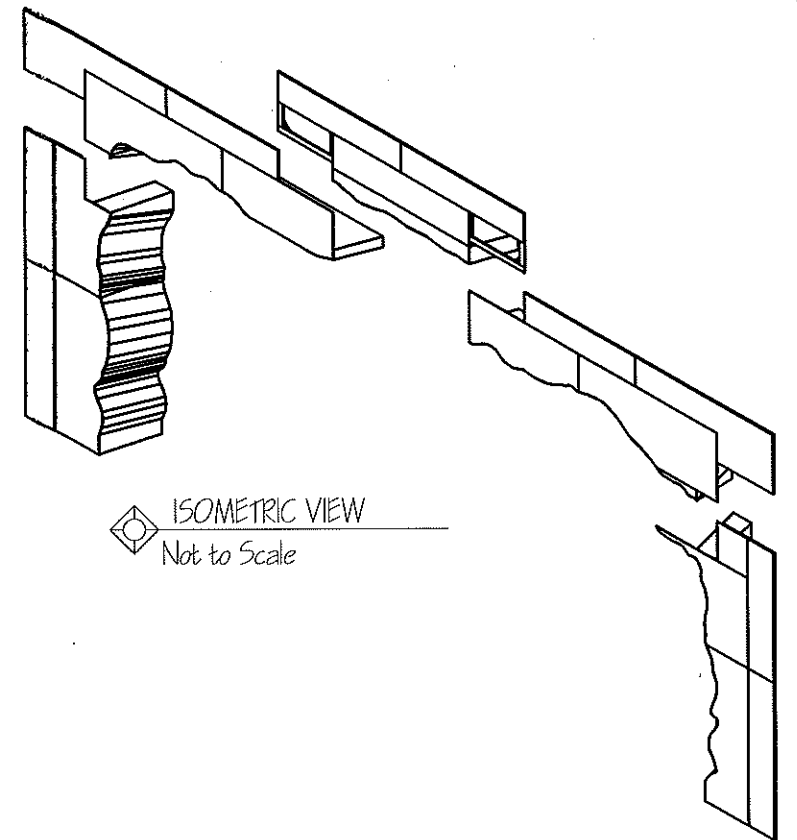
School Of Design and Production

Portal Rigging: Top Sections

Designer: Manika Gupta	Director: Steve Lacosse	Advisor Approval
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Duncan Jenner-Bennett	LC: Jonah Hargett	
		Two
		Two



Exploded Portal Layout
Scale 1/4" = 1'-0"

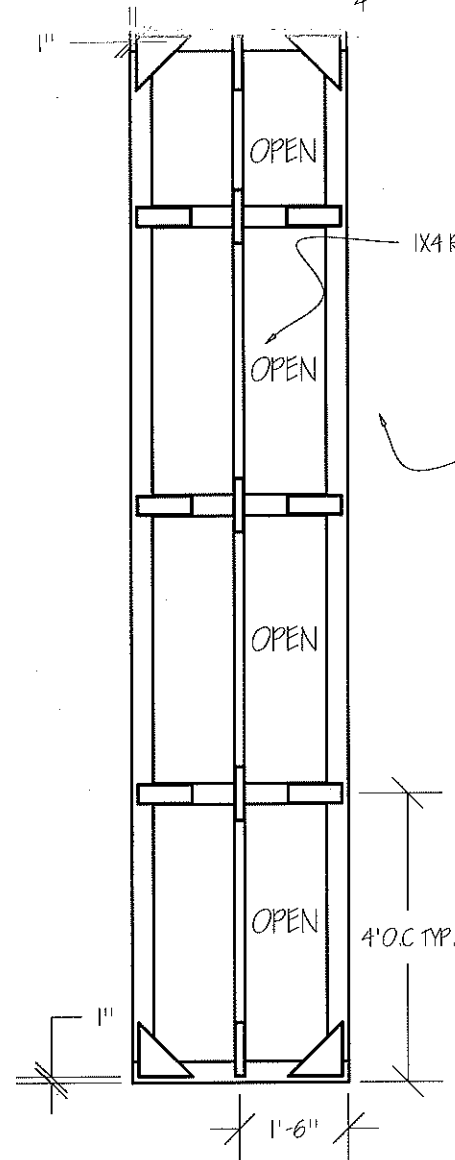
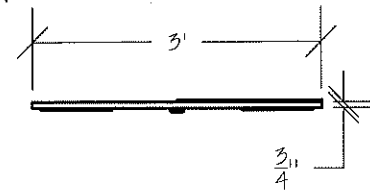
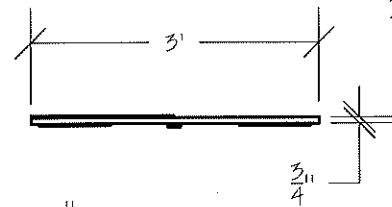


ISOMETRIC VIEW
Not to Scale

University of North Carolina School Of The Arts		
School Of Design and Production		
Exploded View		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	<div>One</div> <div>One</div>
Date: March 26, 2019	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	

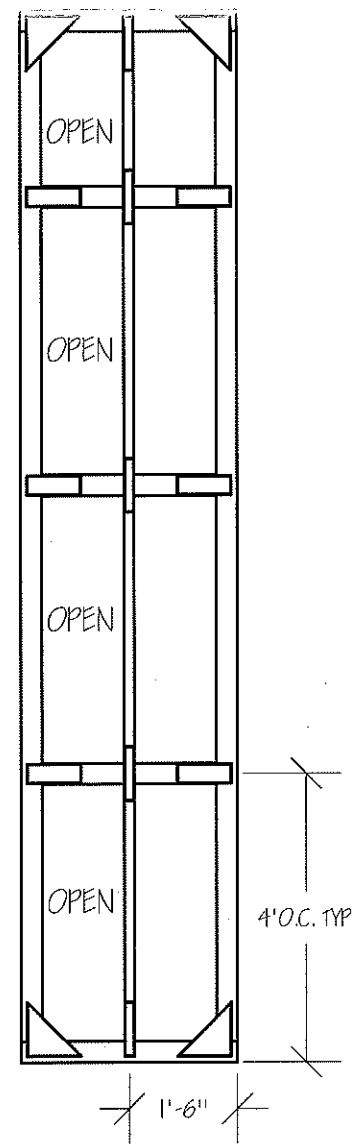
** NOTES:

1. USE SHOP STANDARD BUILD TECHNIQUES FOR A BROADWAY FLAT - WC STAPLES AND GLUE FOR FRAME AND NC STAPLES AND GLUE FOR STRAPS
2. FRAME IS 1X4 SPF TYP. SKINNED WITH $\frac{1}{4}$ " LAUAN



1X4 RIPPED TO 1-3/4\" TYP.

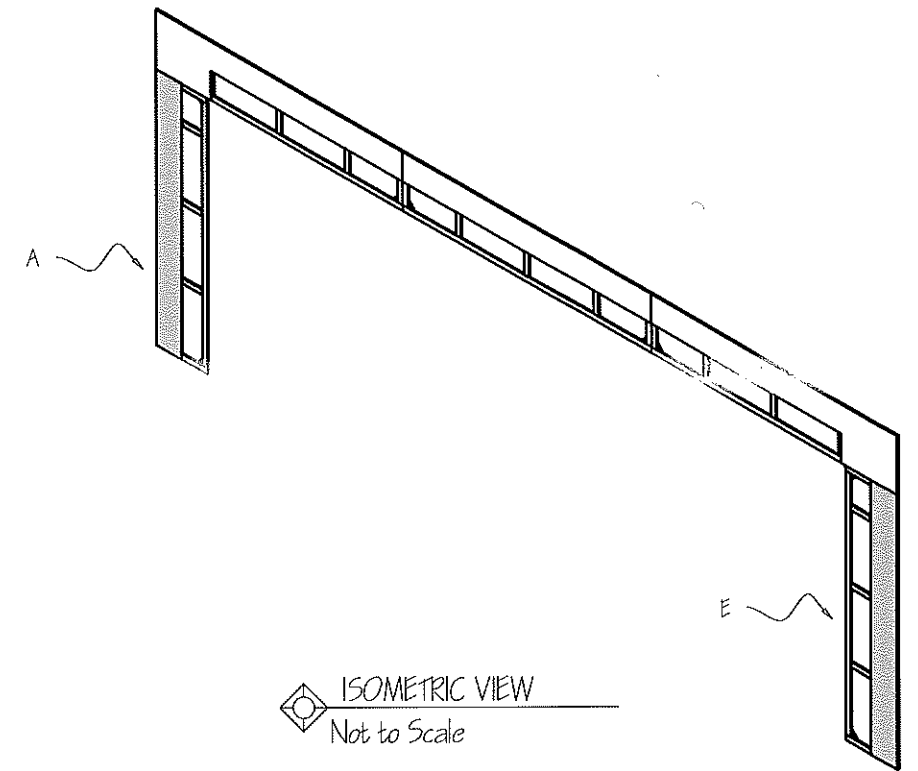
FLAT HALF-FACED
WITH LAUAN



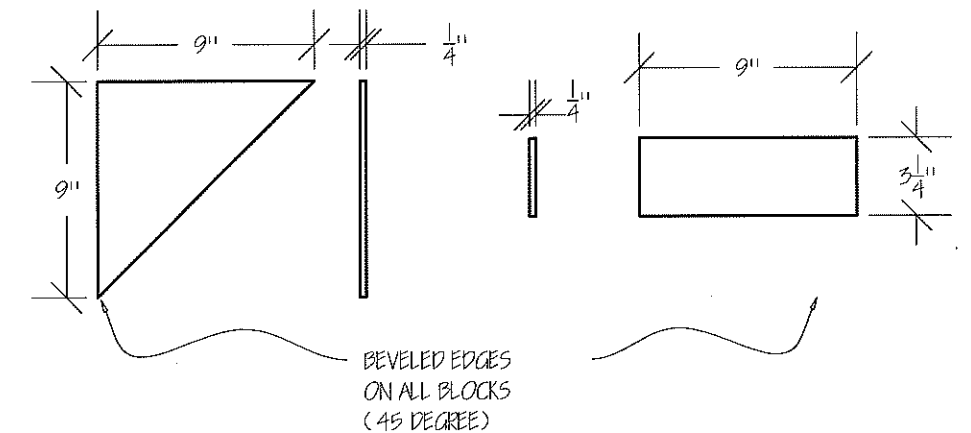
4'O.C. TYP.

PORTAL WALL A: REAR ELEVATION
Scale: $\frac{3}{8}$ " = 1'-0"

PORTAL WALL E: REAR ELEVATION
Scale: $\frac{3}{8}$ " = 1'-0"



ISOMETRIC VIEW
Not to Scale



BEVELED EDGES
ON ALL BLOCKS
(45 DEGREE)

PORTAL BLOCK: STANDARD LAYOUT
Scale: 1" = 1'-0"

University of North Carolina School Of The Arts
School Of Design and Production

Portal Wall A / Wall E

Designer: Manika Gupta

Director: Steve Lacosse

Date: September 5, 2017

Scale: As Noted

ID: Duncan Jenner-Bennett

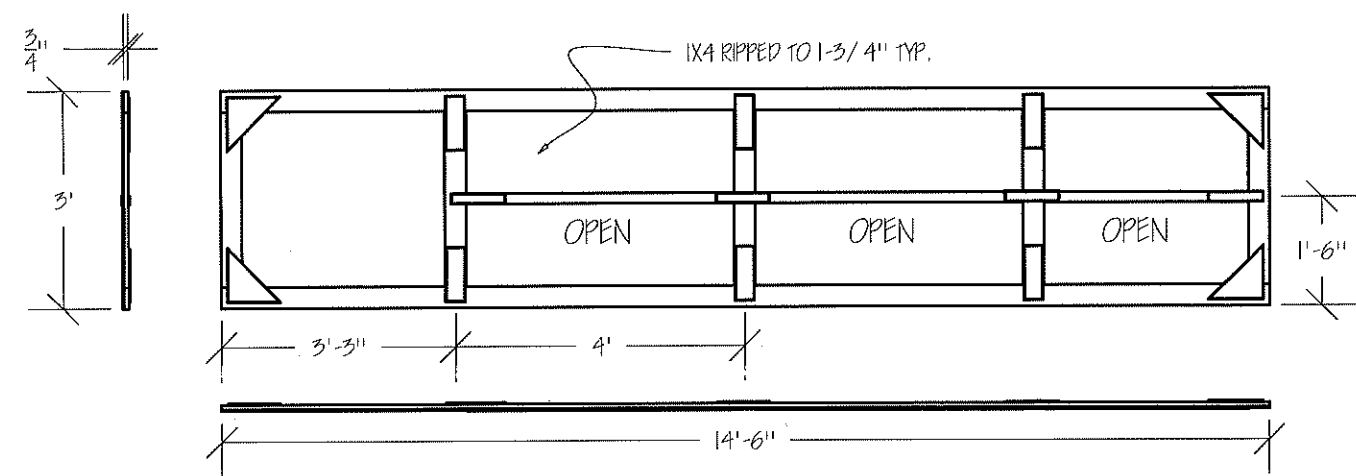
ATD: Samuel J. Santolanni

Drafted by: Ashley Acevedo

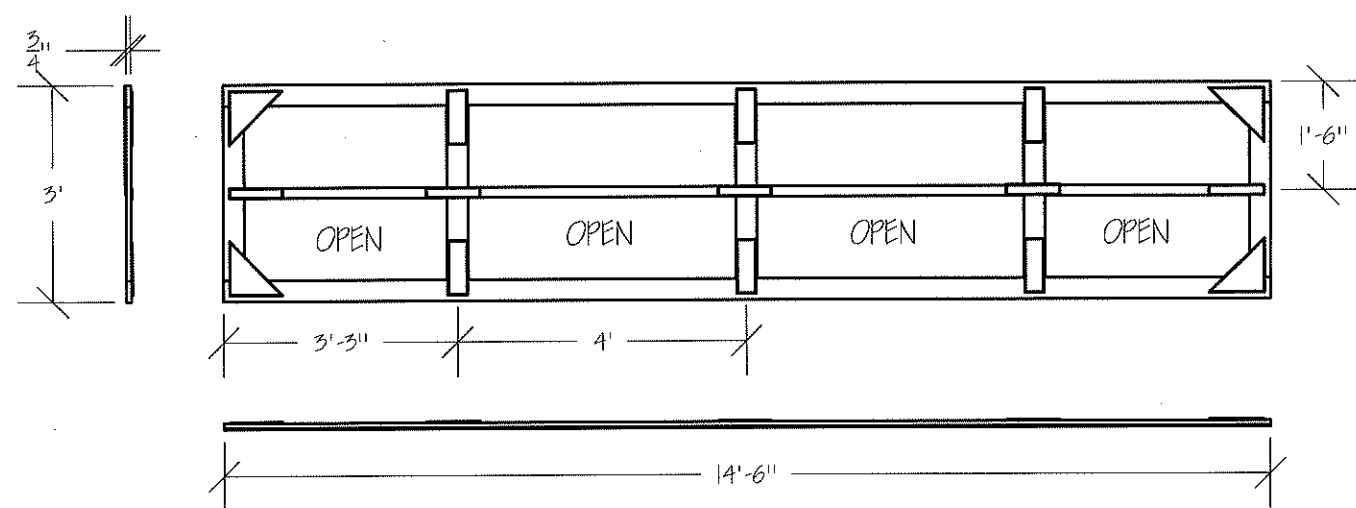
LC: Jonah Hargett

Advisor Approval

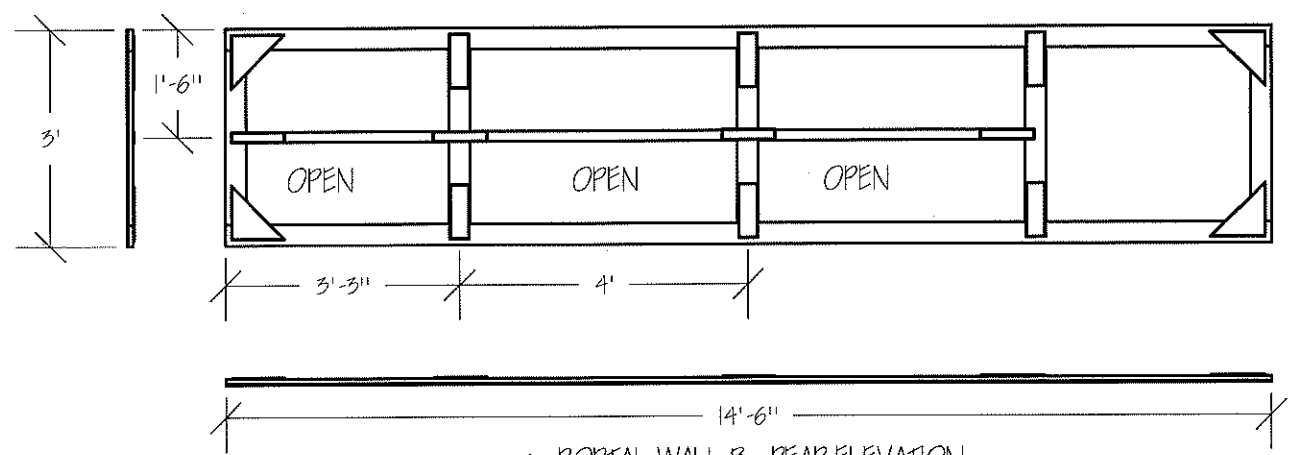
One
Two



PORTAL WALL D : REAR ELEVATION
Scale: 3/8" = 1'-0"



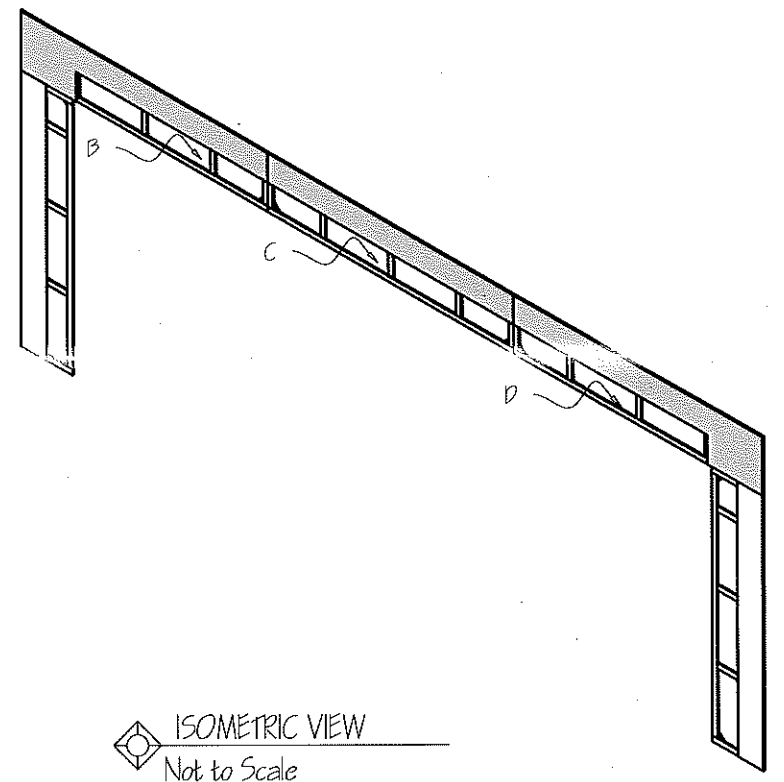
PORTAL WALL C : REAR ELEVATION
Scale: 3/8" = 1'-0"



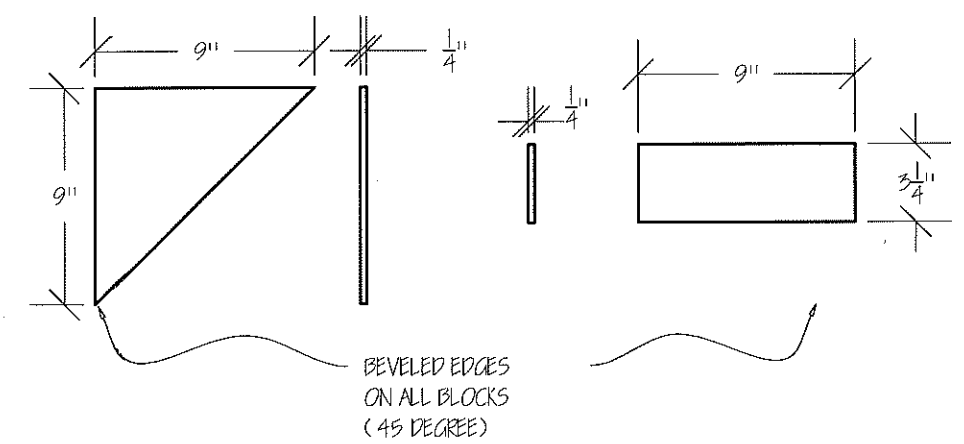
PORTAL WALL B : REAR ELEVATION
Scale: 3/8" = 1'-0"

** NOTES:


1. USE SHOP STANDARD BUILD TECHNIQUES FOR A BROADWAY FLAT - WC STAPLES AND GLUE FOR FRAME AND NC STAPLES AND GLUE FOR STRAPS
2. FRAME IS 1X4 SPF TYP. SKINNED WITH 1/4" LAUAN

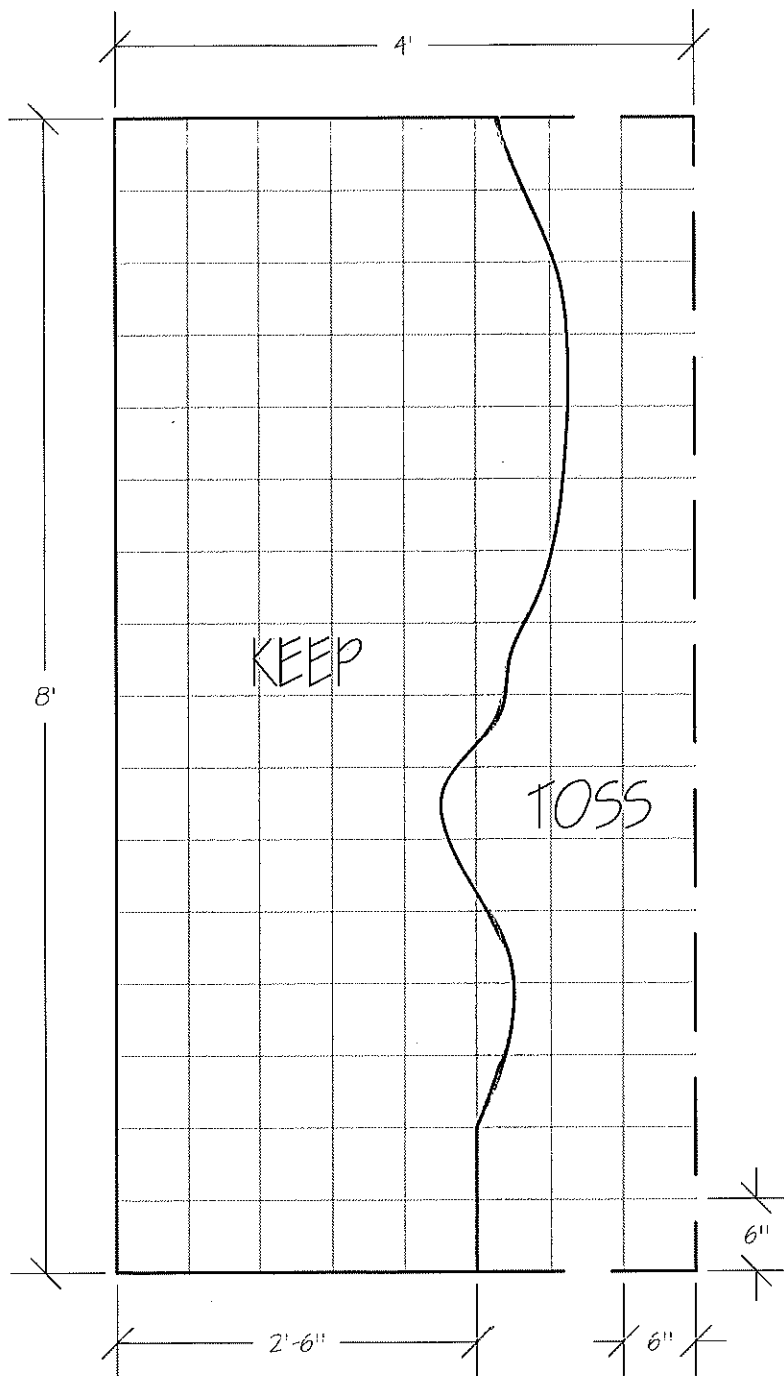



ISOMETRIC VIEW
Not to Scale

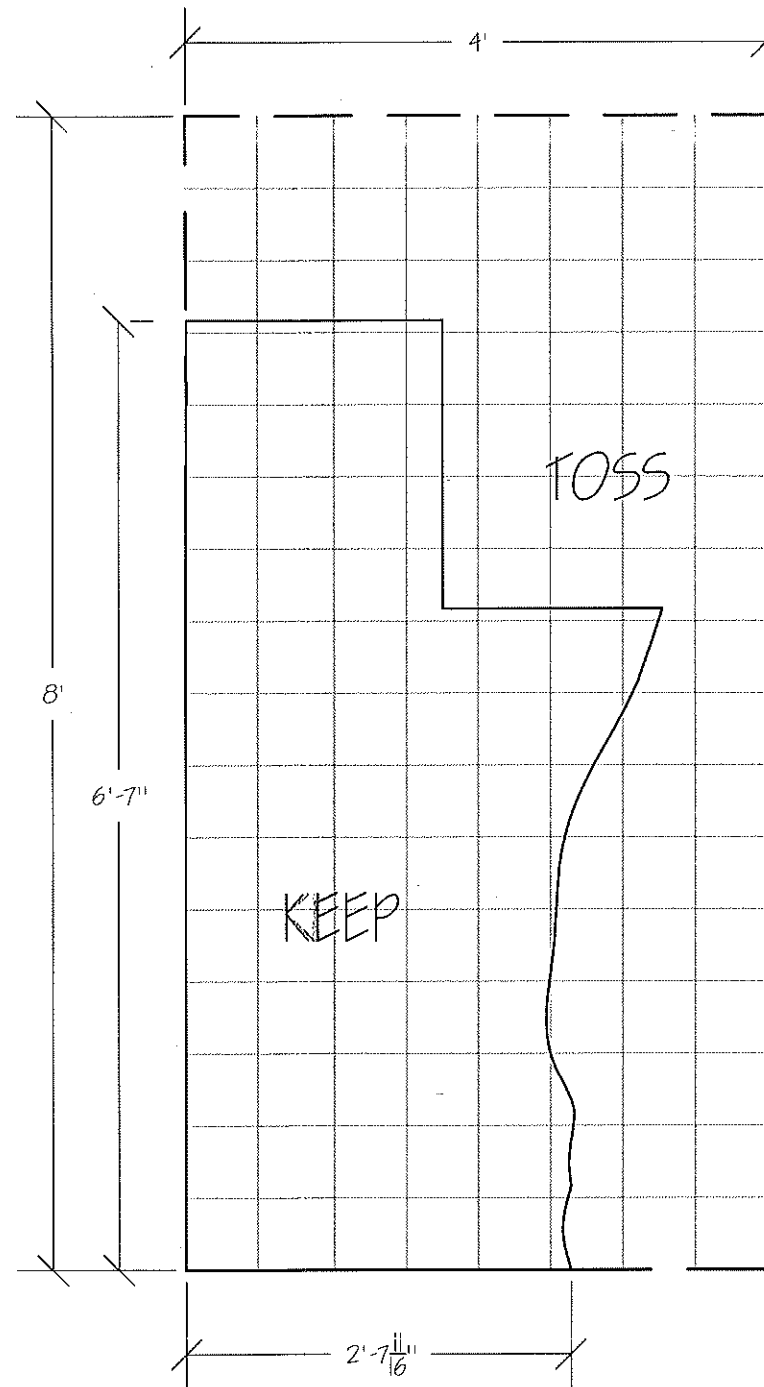



PORTAL BLOCK: STANDARD LAYOUT
Scale: 1" = 1'-0"

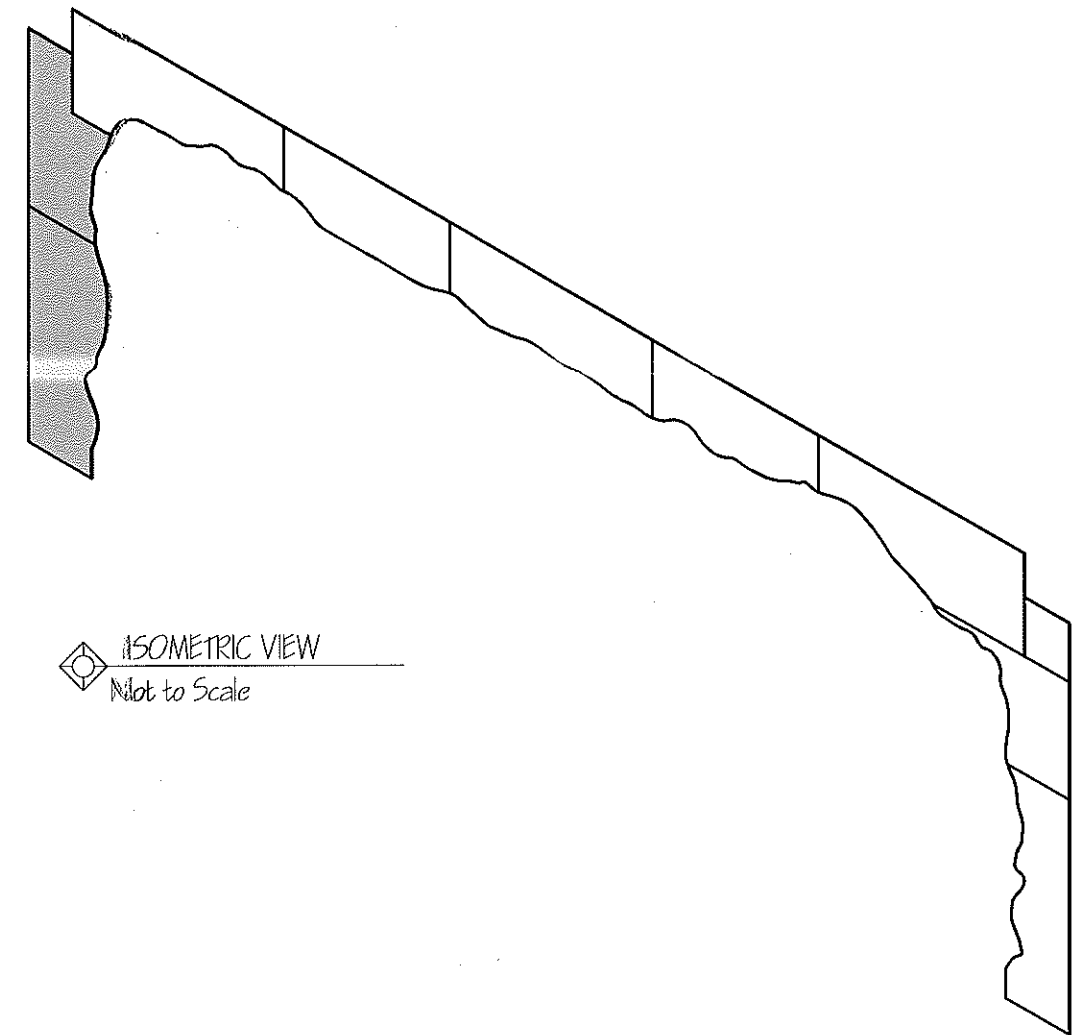
University of North Carolina School Of The Arts		
School Of Design and Production		
Portal Walls B/ C/ D		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	 Two Two
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santoianni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	




 PORTAL LAUAN WALL A
 Scale: $3/4" = 1'-0"$




 PORTAL LAUAN WALL B
 Scale: $3/4" = 1'-0"$



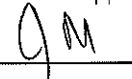

 ISOMETRIC VIEW
 Not to Scale

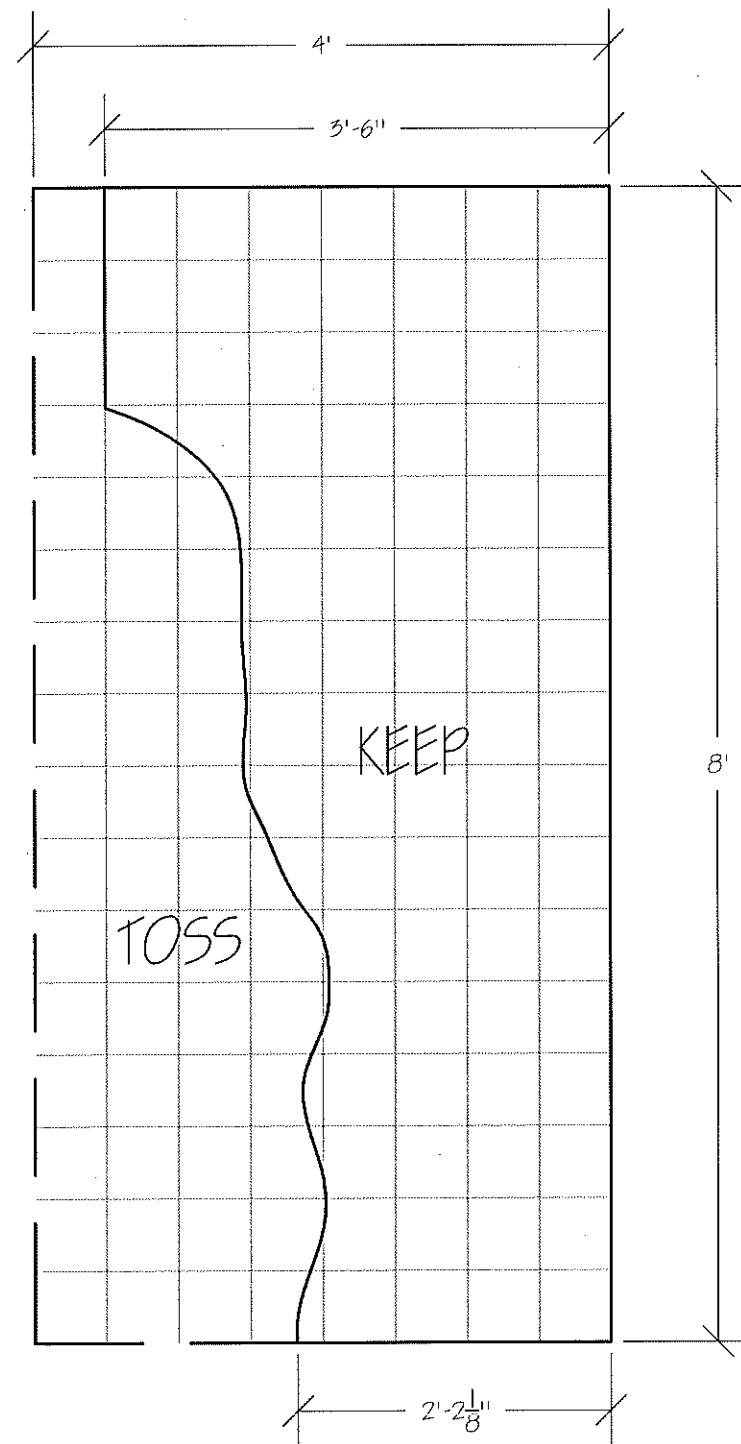
NOTES:


- SHEETS ARE $1/4"$ LAUAN
- GRID IS 6"X6" TYP.

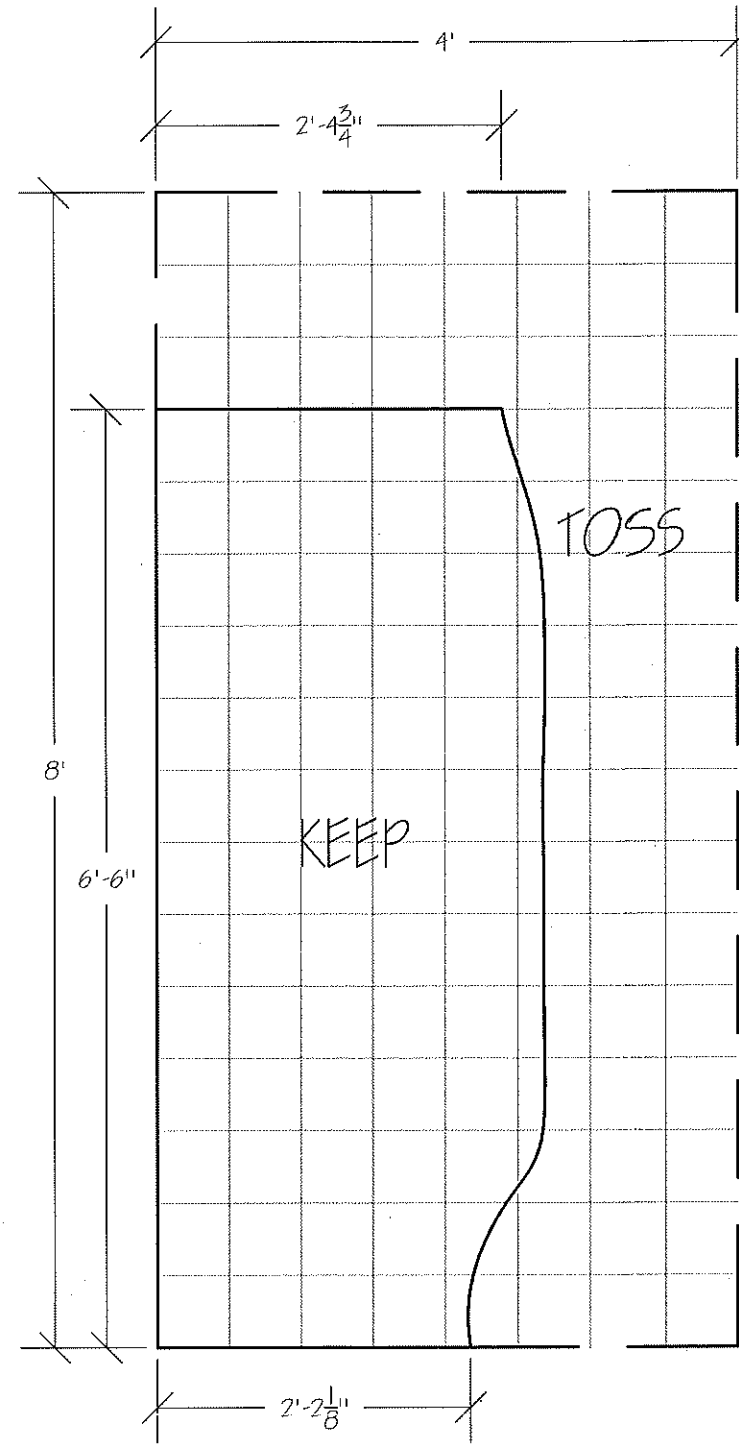
University of North Carolina School Of The Arts
 School Of Design and Production


Portal Lauan A / B

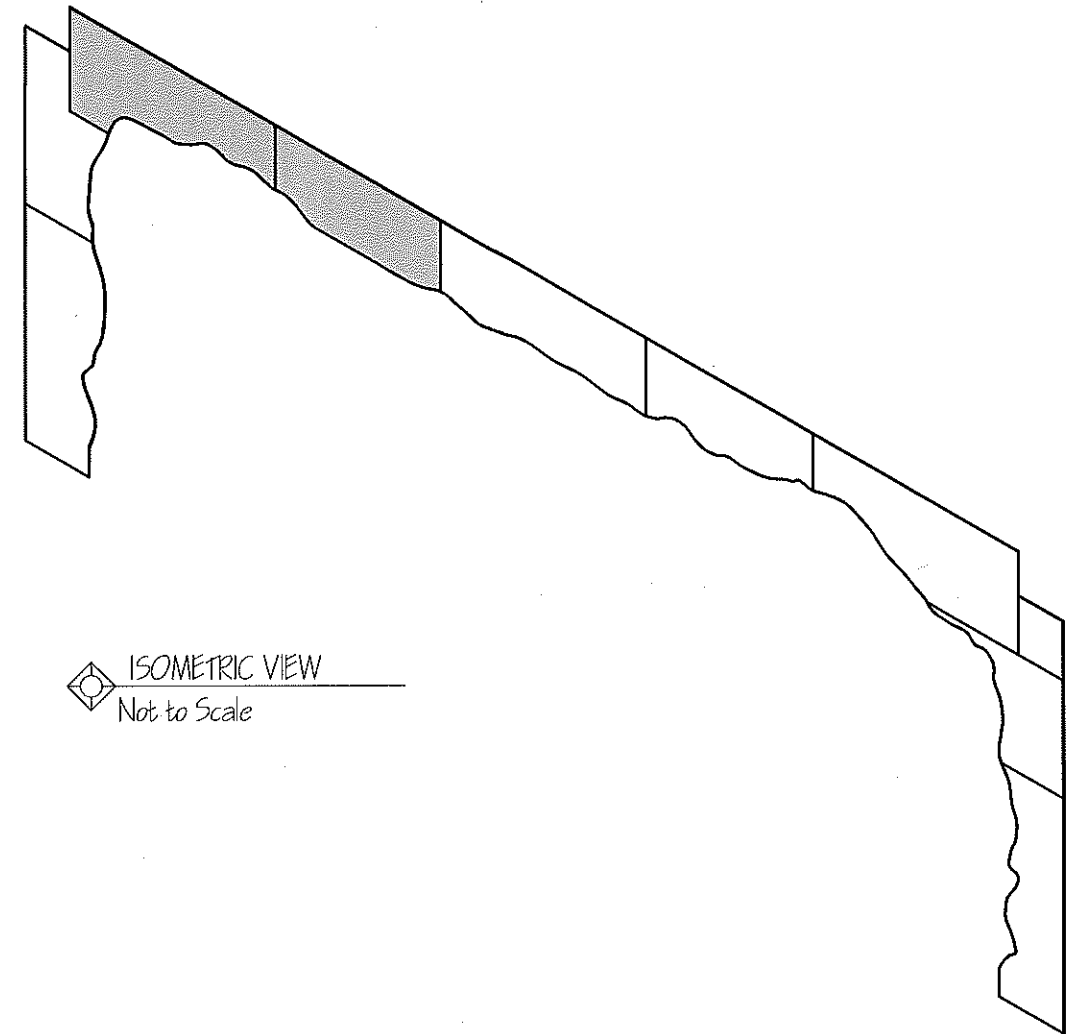
Designer: Manika Gupta	Director: Steve Lacosse	Advisor Approval  One Five
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	





PORTAL LAUAN WALL C
 Scale: 3/4" = 1'-0"




PORTAL LAUAN WALL D
 Scale: 3/4" = 1'-0"




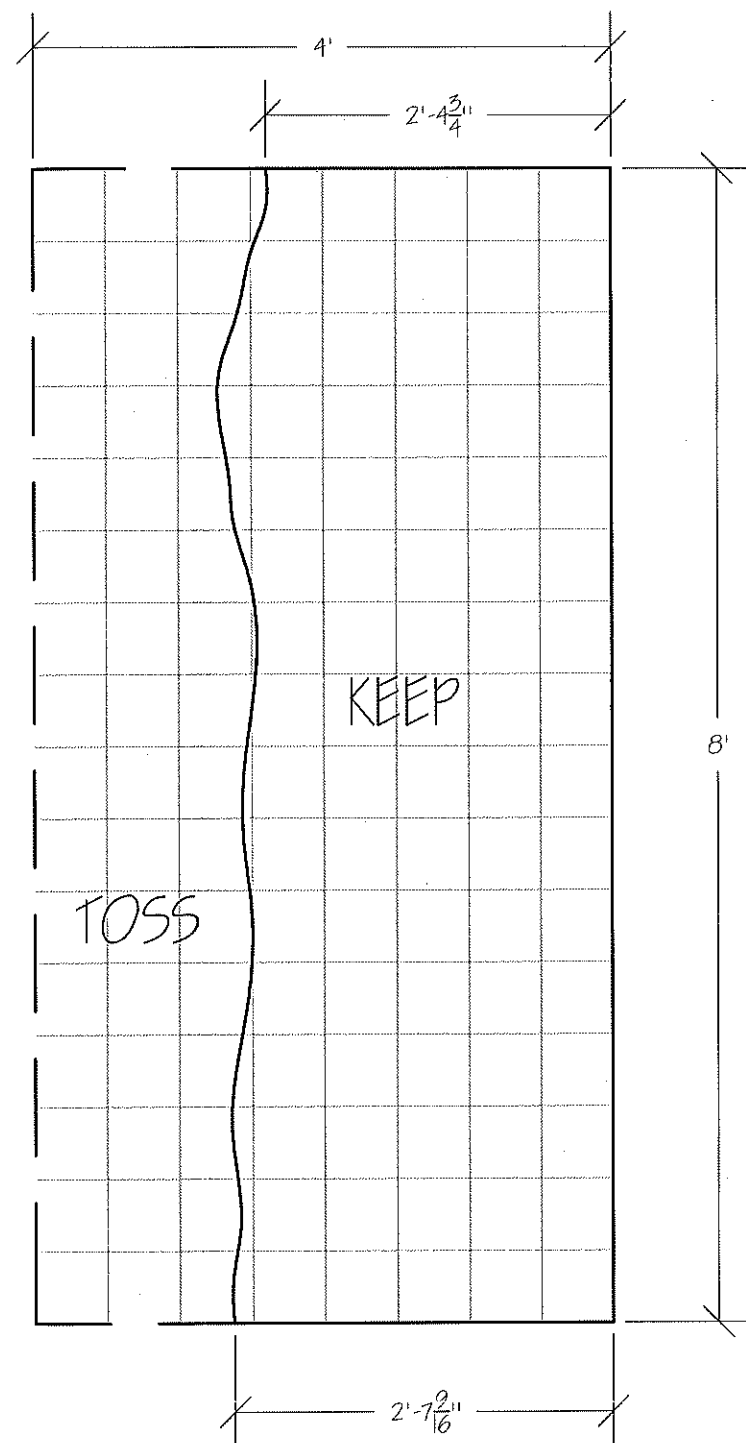

ISOMETRIC VIEW
 Not to Scale

NOTES:

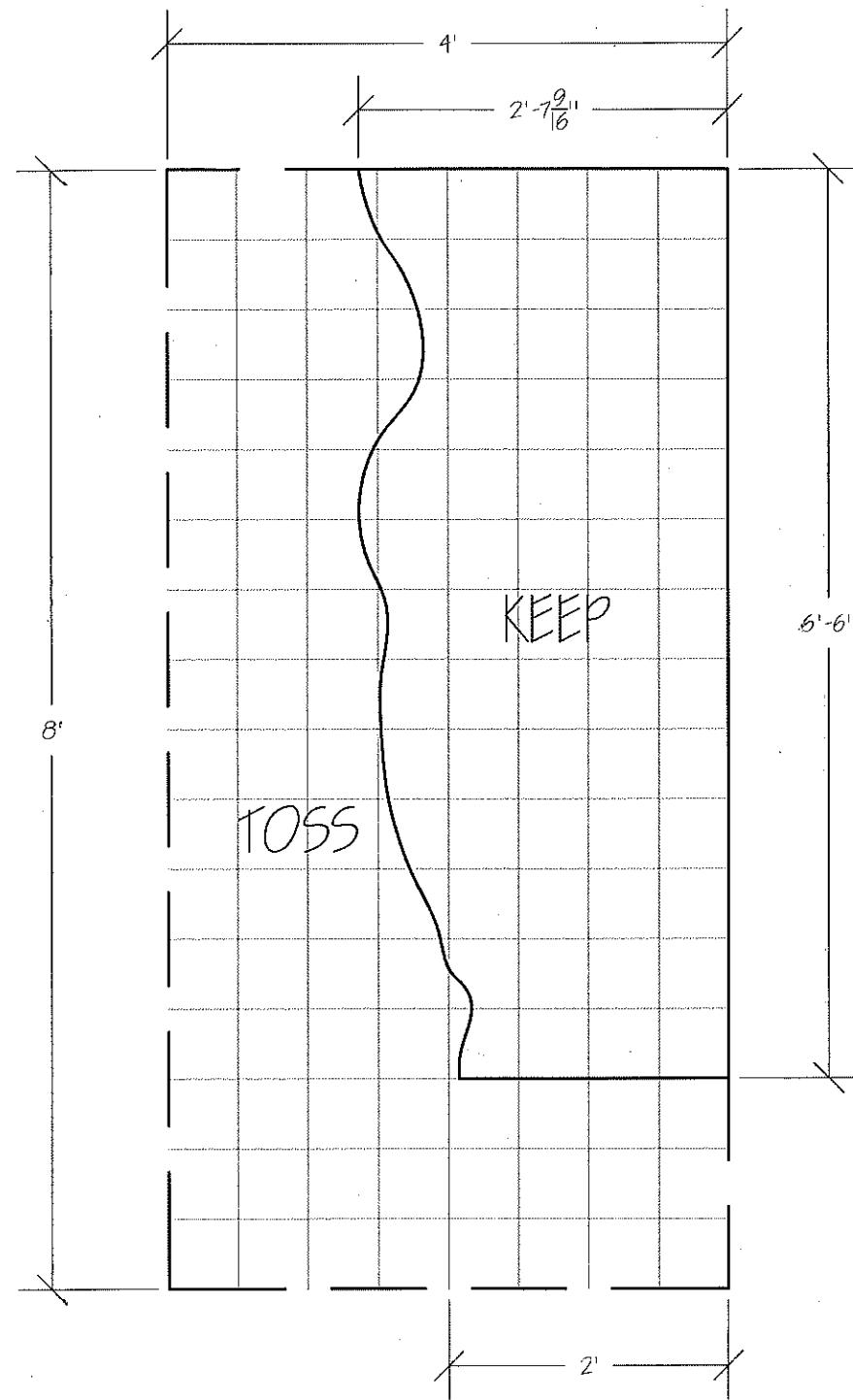
- SHEETS ARE 1/4" LAUAN
- GRID IS 6"X6" TYP.

University of North Carolina School Of The Arts
School Of Design and Production

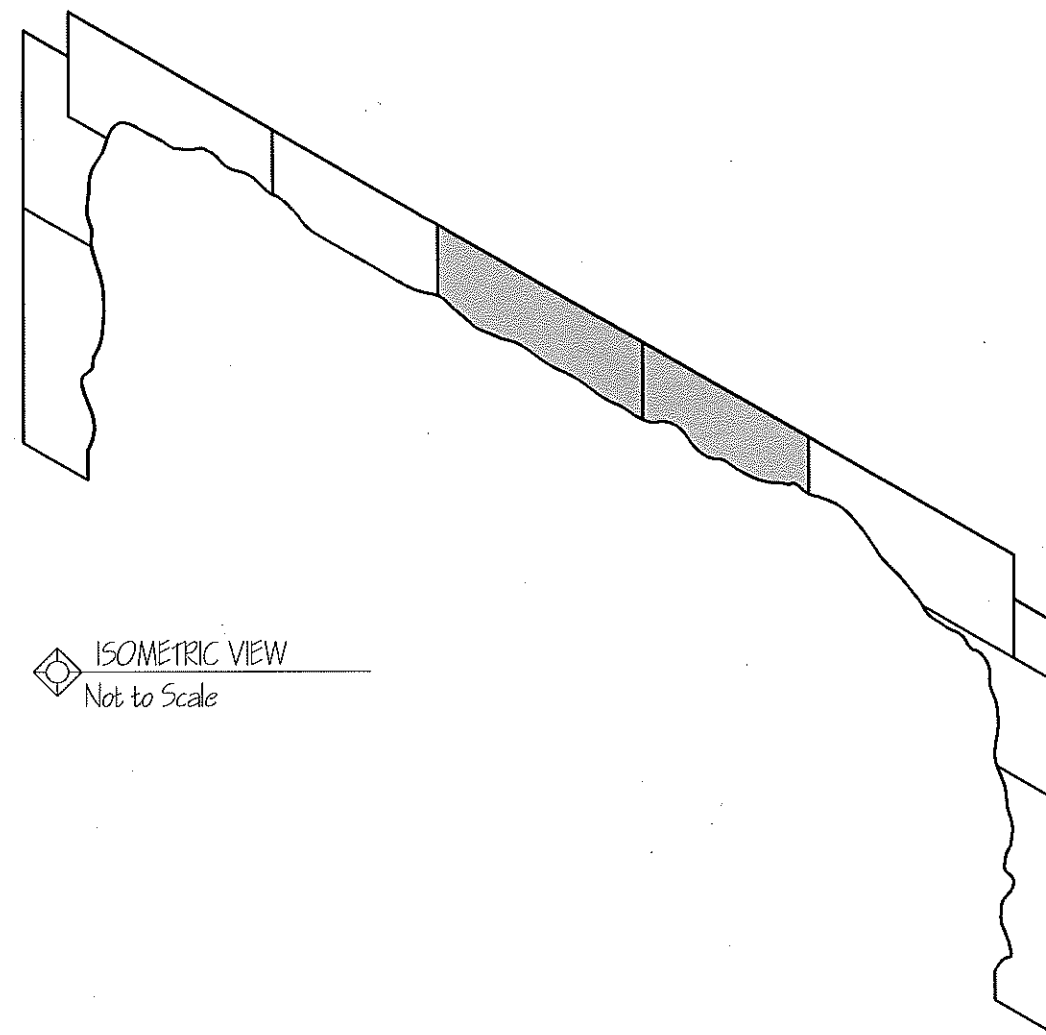
Portal Lauan C / D		Advisor Approval  Two Five
Designer: Manika Gupta	Director: Steve Lacosse	
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	



PORTAL LAUAN WALL E
Scale: 3/4" = 1'-0"



PORTAL LAUAN WALL F
Scale: 3/4" = 1'-0"

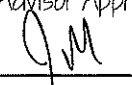


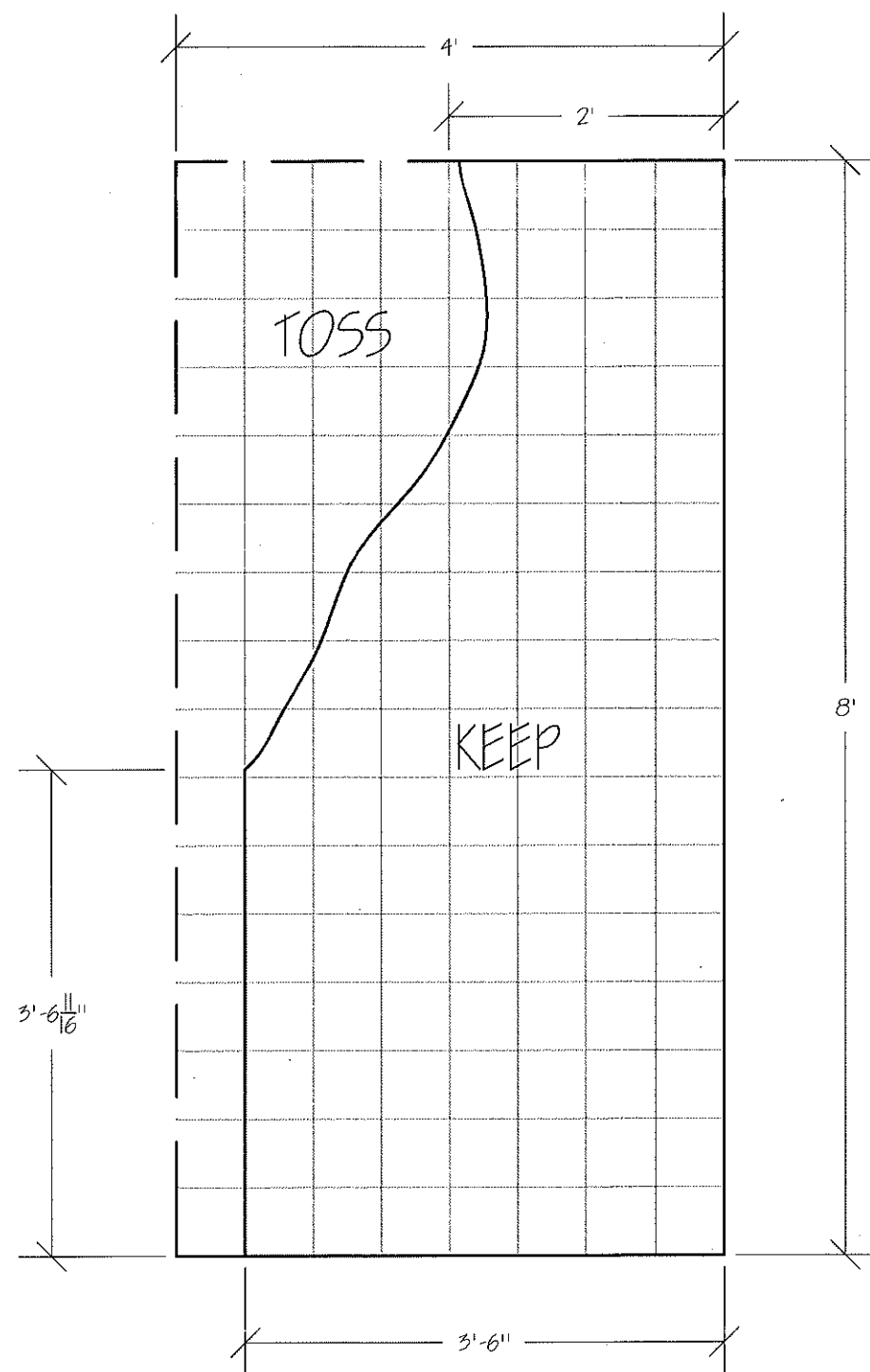
ISOMETRIC VIEW
Not to Scale


NOTES:

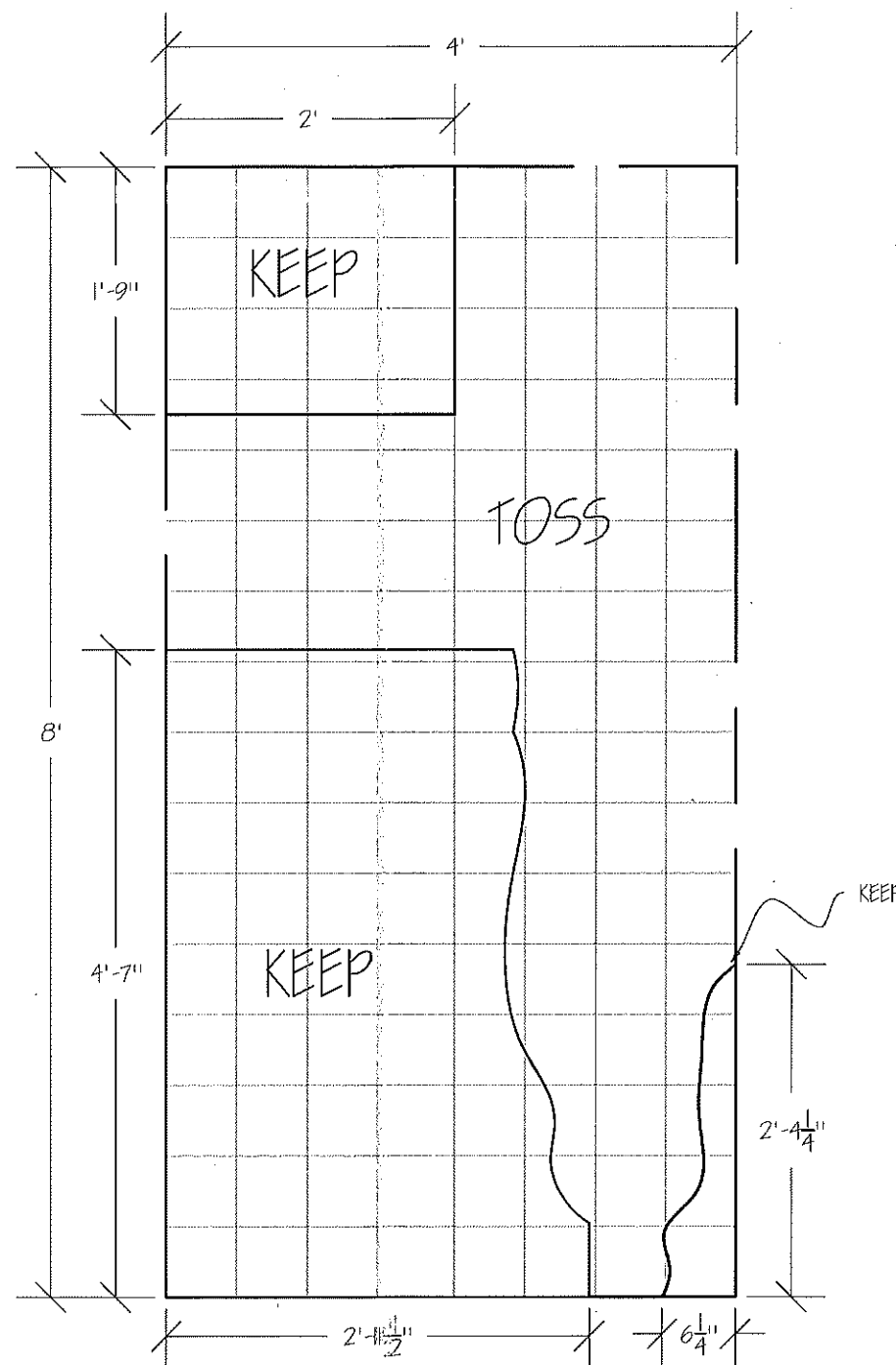
- SHEETS ARE 1/4" LAUAN
- GRID IS 6"X6" TYP.


University of North Carolina School Of The Arts
School Of Design and Production

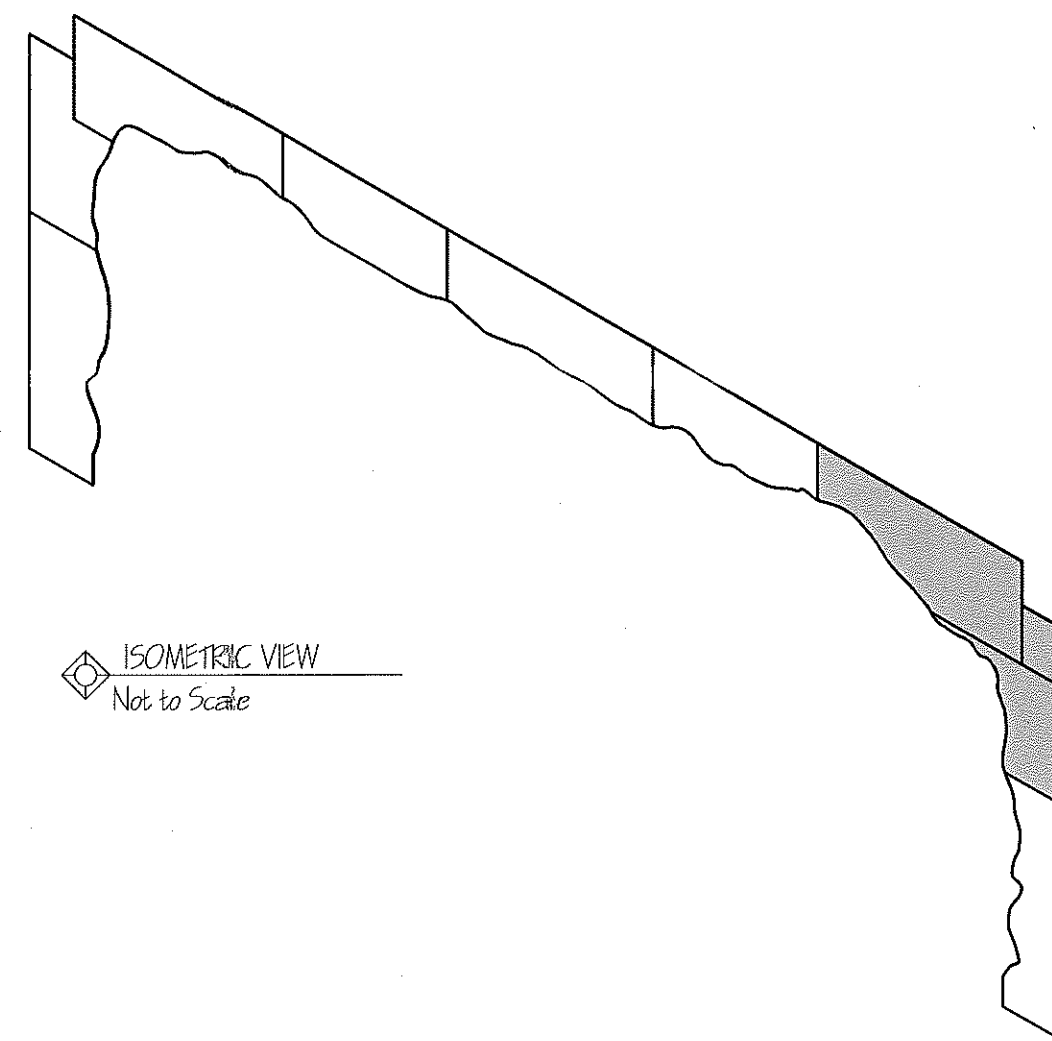
Portal Lauan E / F		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	 Three Five
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	





 PORTAL LAUAN WALL G
 Scale: $3/4'' = 1'-0''$




 PORTAL LAUAN WALL H
 Scale: $3/4'' = 1'-0''$




 ISOMETRIC VIEW
 Not to Scale

NOTES:

- SHEETS ARE $1/4''$ LAUAN
- GRID IS 6"X6" TYP.

University of North Carolina School Of The Arts
School Of Design and Production

Portal Lauan G / H

Designer: Manika Gupta

Date: September 5, 2017

ID: Duncan Jenner-Bennett

Drafted by: Ashley Acevedo

Director: Steve Lacosse

Scale: As Noted

ATD: Samuel J. Santolanni

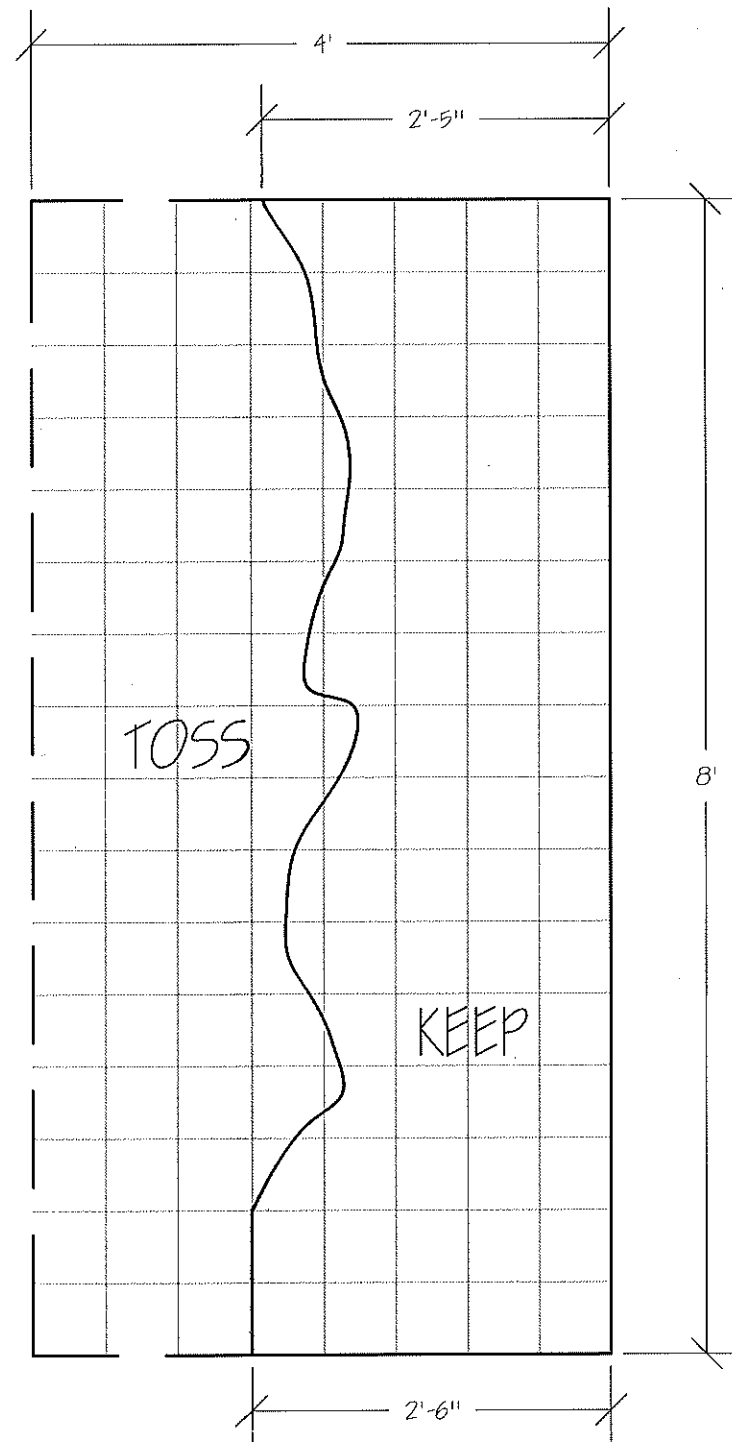
LC: Jonah Hargett


Advisor Approval

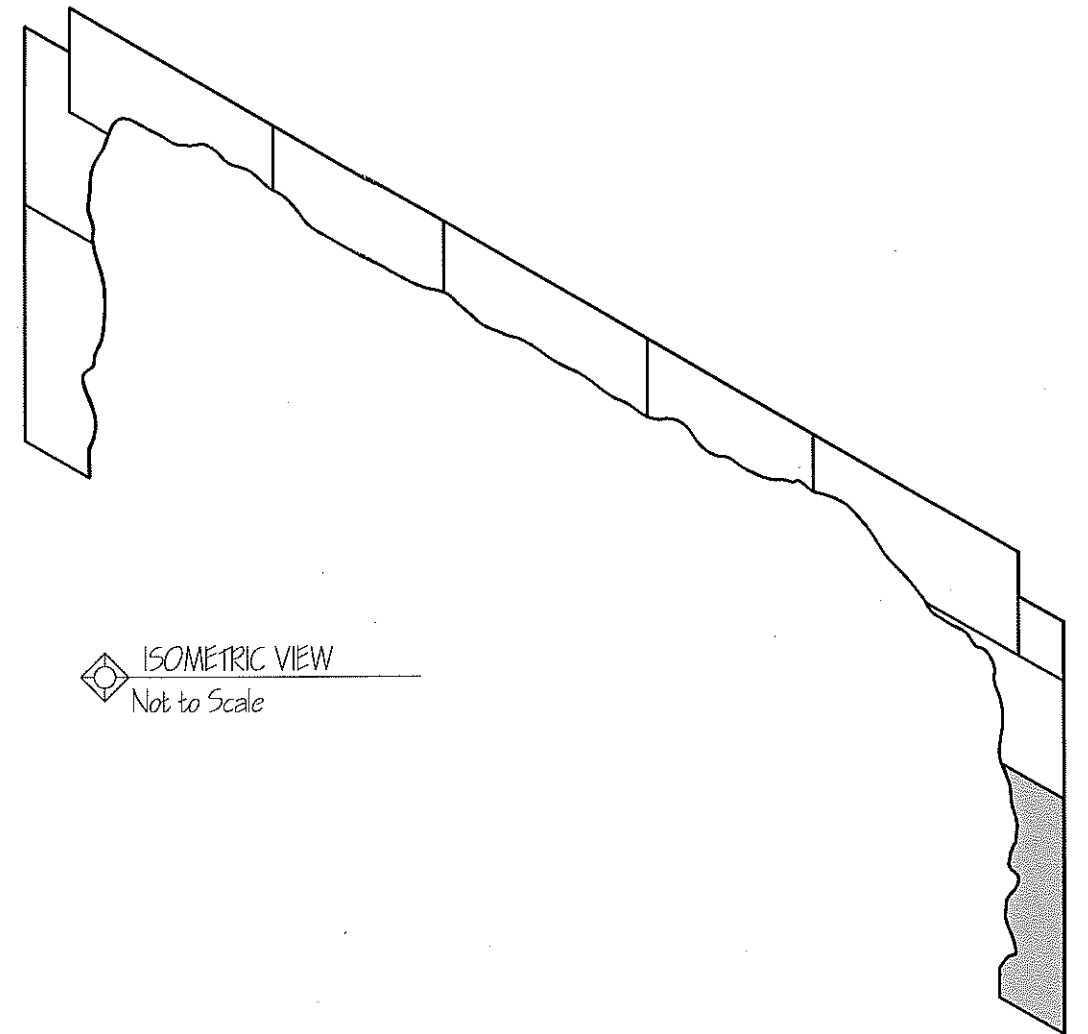
JM


Four

Five




 PORTAL LAUAN WALL I
 Scale: $3/4" = 1'-0"$




 ISOMETRIC VIEW
 Not to Scale

NOTES:

- SHEETS ARE $\frac{1}{4}"$ LAUAN
- GRID IS 6"X6" TYP.

University of North Carolina School Of The Arts
School Of Design and Production

Portal Lauan Wall I

Designer: Manika Gupta

Date: September 5, 2017

TD: Duncan Jenner-Bennett

Drafted by: Ashley Acevedo

Director: Steve Lacosse

Scale: As Noted

ATD: Samuel J. Santolanni

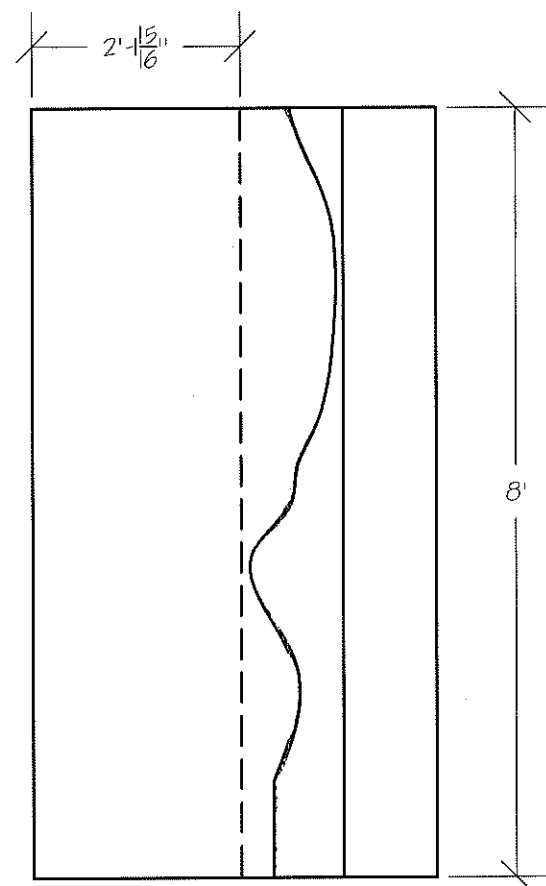
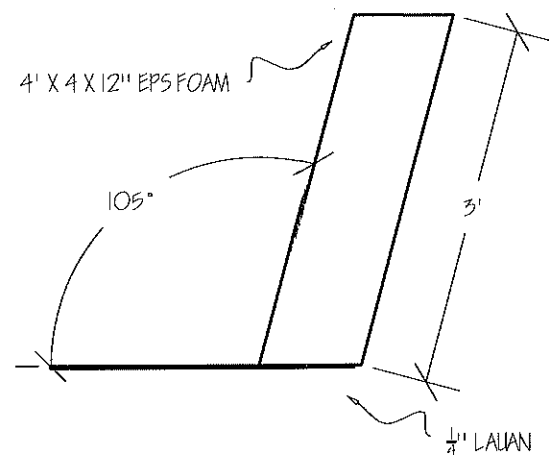
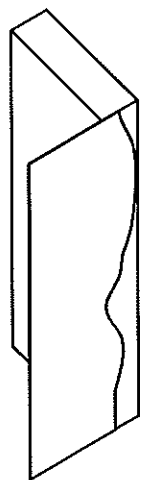
LC: Jonah Hargett

Advisor Approval

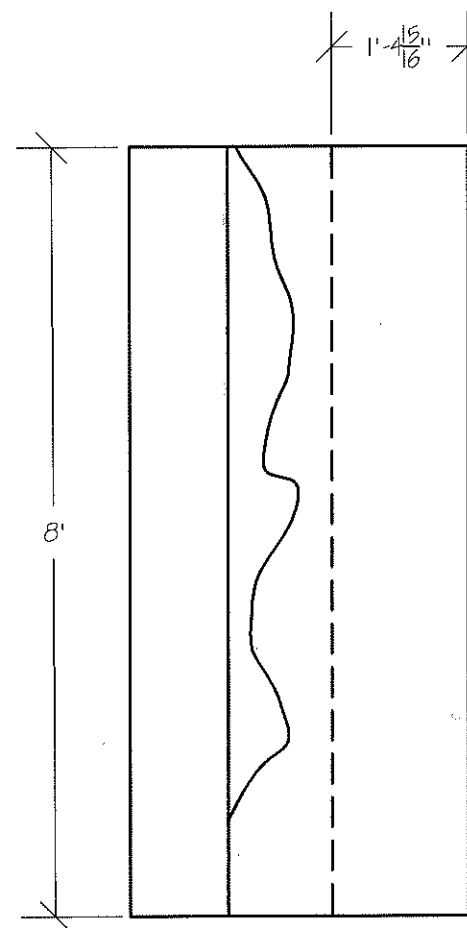
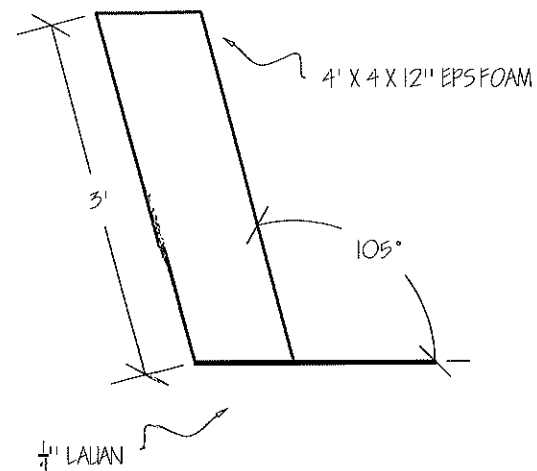


Five

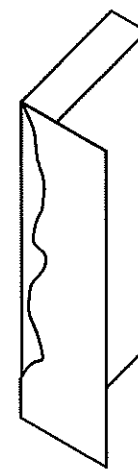
Five



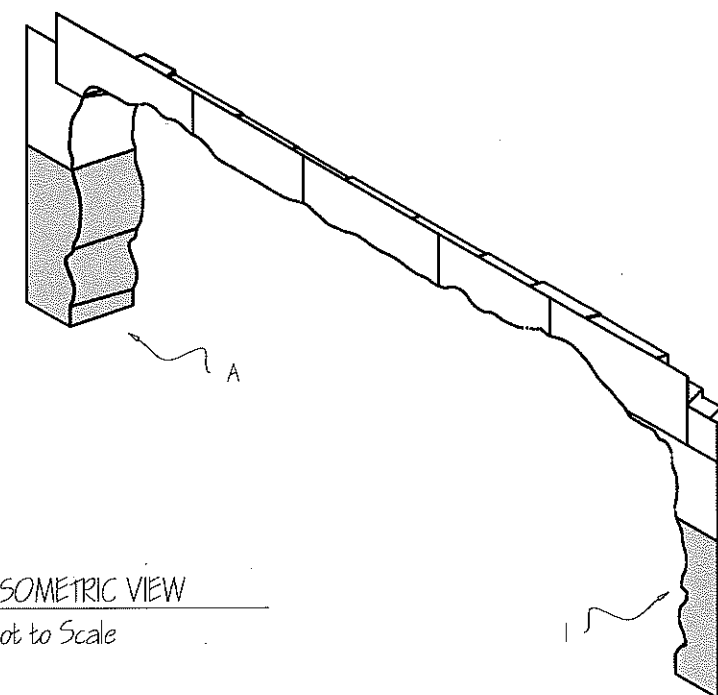
PORTAL FOAM LAYOUT: WALL A
Scale: 1/2" = 1'-0"



PORTAL FOAM LAYOUT: WALL I
Scale: 1/2" = 1'-0"




ISOMETRIC VIEW
Not to Scale

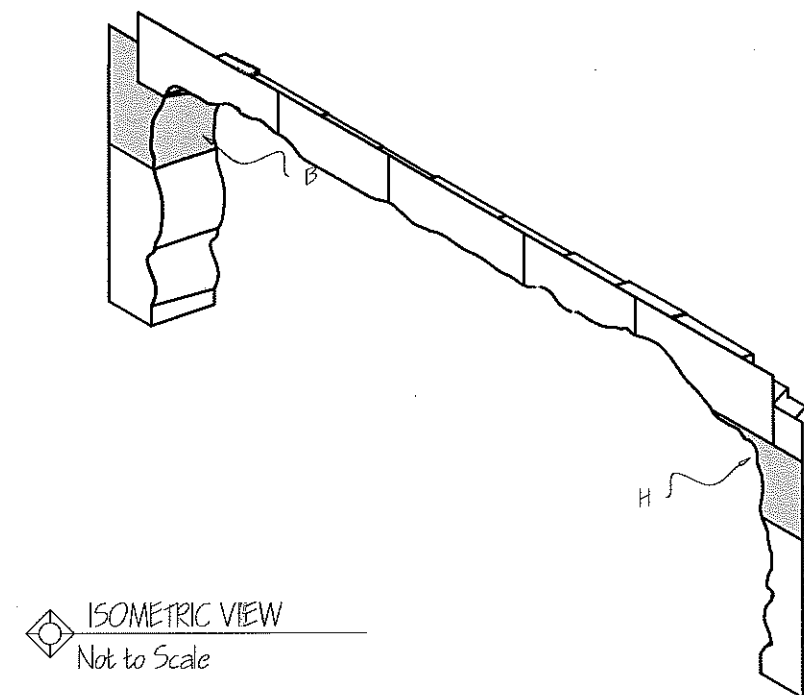
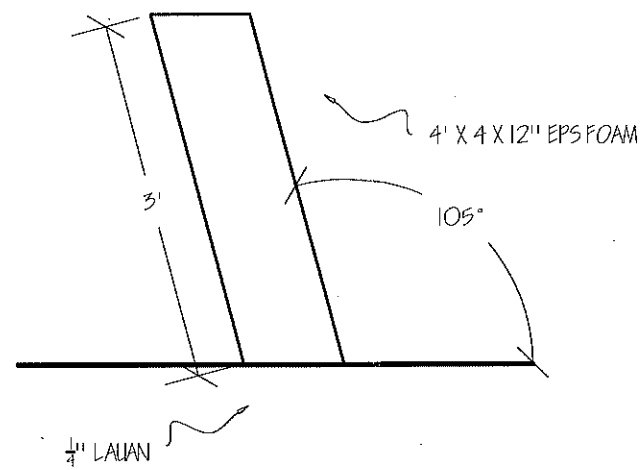
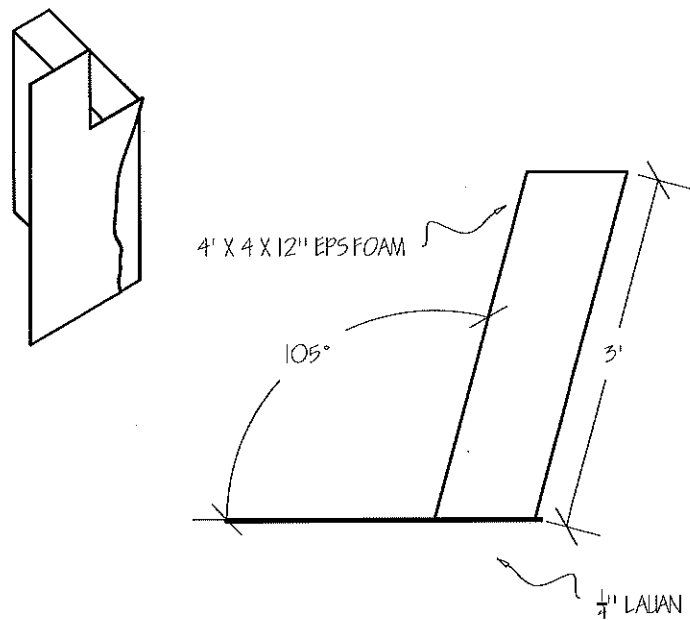


NOTES:

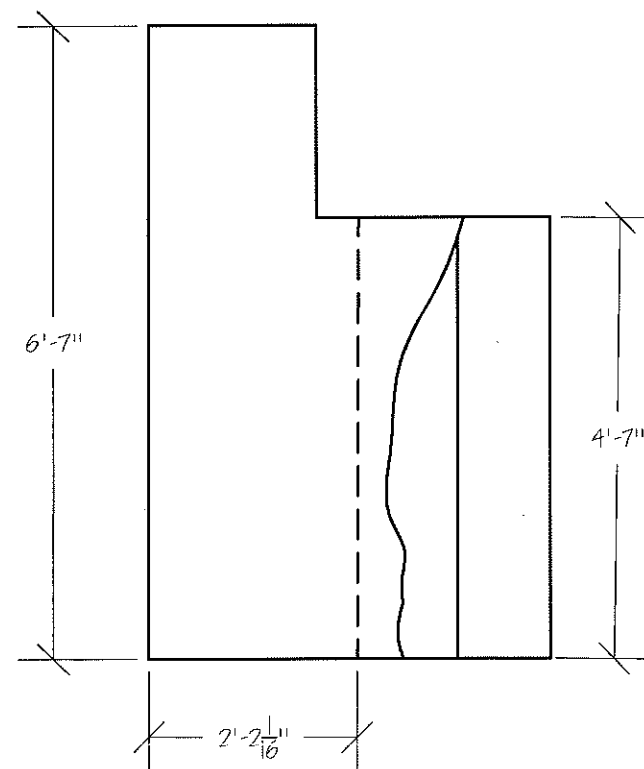
- CUT THE FOAMS ANGLE
- ATTACH THE FOAM TO THE LAUAN IN 4' BLOCKS WITH GORILLA GLUE

University of North Carolina School Of The Arts
School Of Design and Production

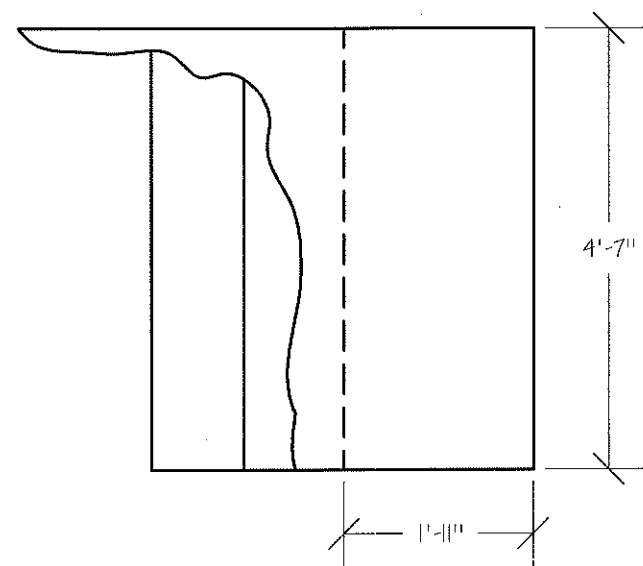
Portal Foam Layout A / I		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	 One Six
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	



ISOMETRIC VIEW
Not to Scale



PORTAL FOAM LAYOUT: WALL B
Scale: 1/2" = 1'-0"



PORTAL FOAM LAYOUT: WALL H
Scale: 1/2" = 1'-0"

NOTES:

- CUT THE FOAMS ANGLE
- ATTACH THE FOAM TO THE LAUAN IN 4' BLOCKS WITH GORILLA GLUE

University of North Carolina School Of The Arts

School Of Design and Production

Portal Foam Layout B / H

Designer: Manika Gupta

Date: September 5, 2017

ID: Duncan Jenner-Bennett

Drafted by: Ashley Acevedo

Director: Steve Lacosse

Scale: As Noted

ATD: Samuel J. Santolanni

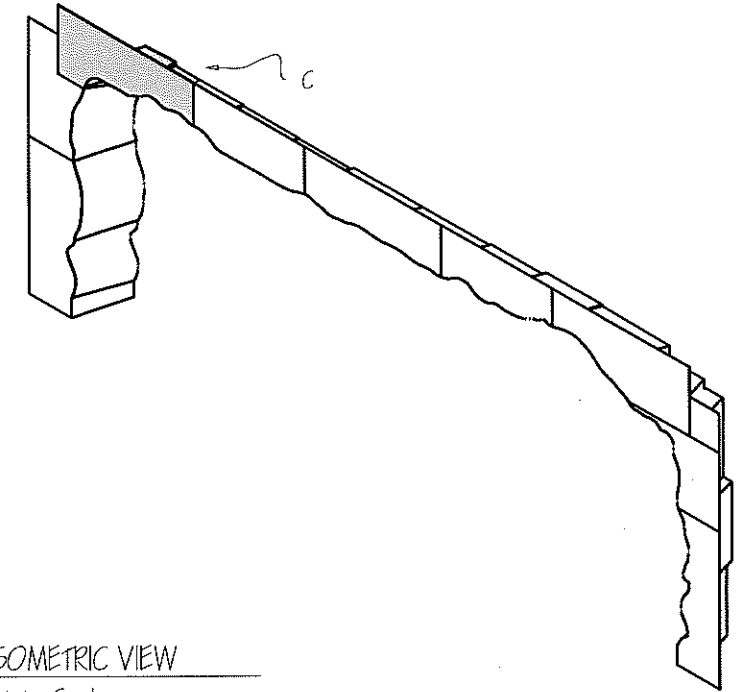
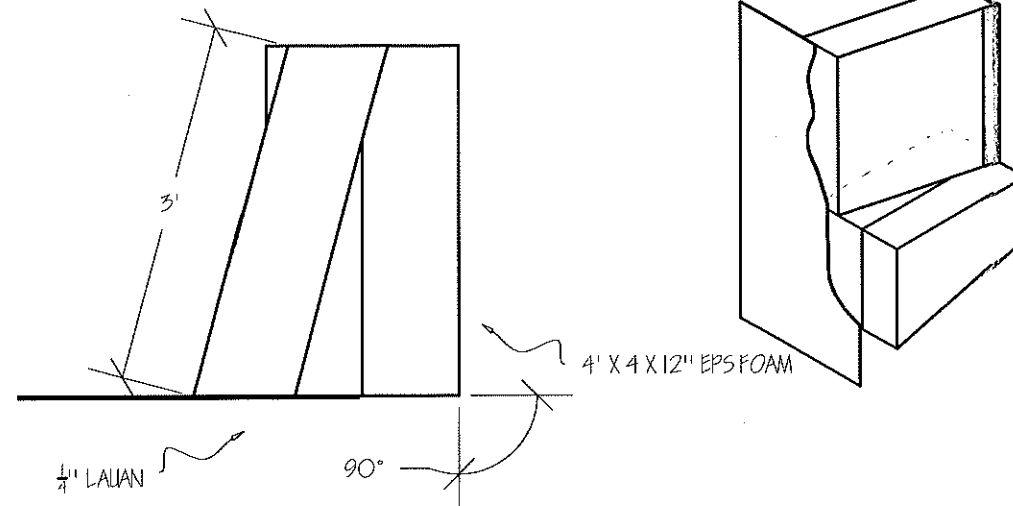
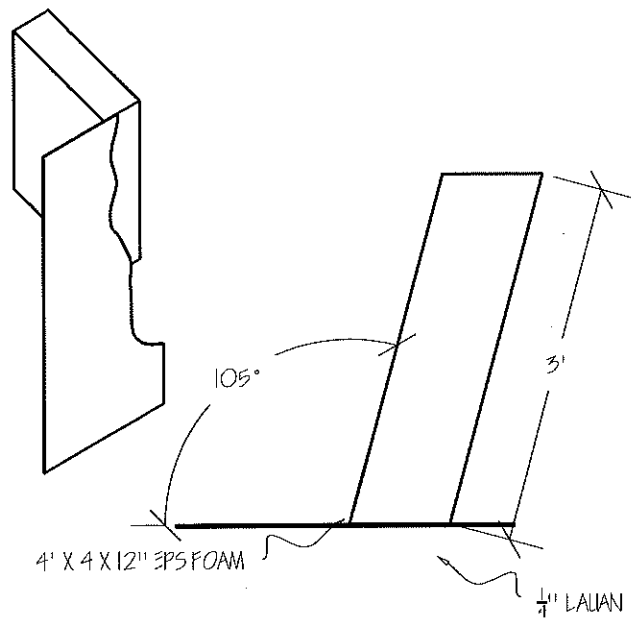
LC: Jonah Hargett

Advisor Approval

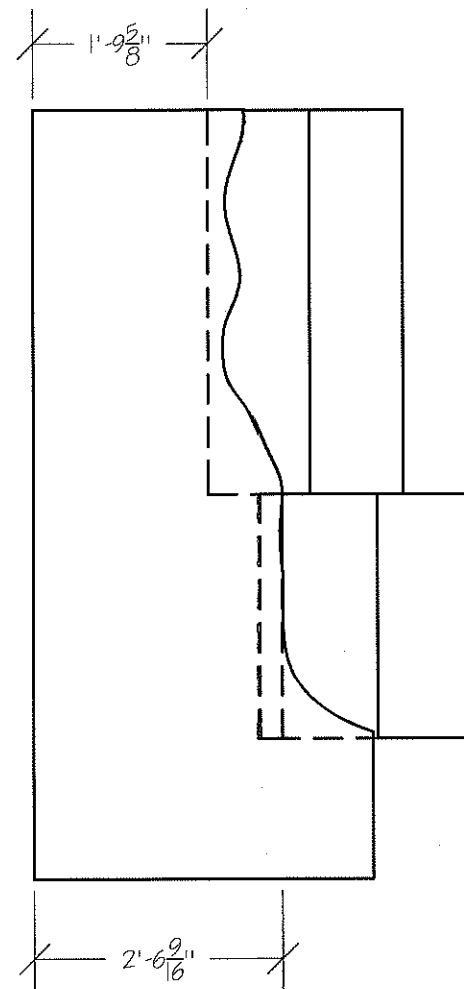
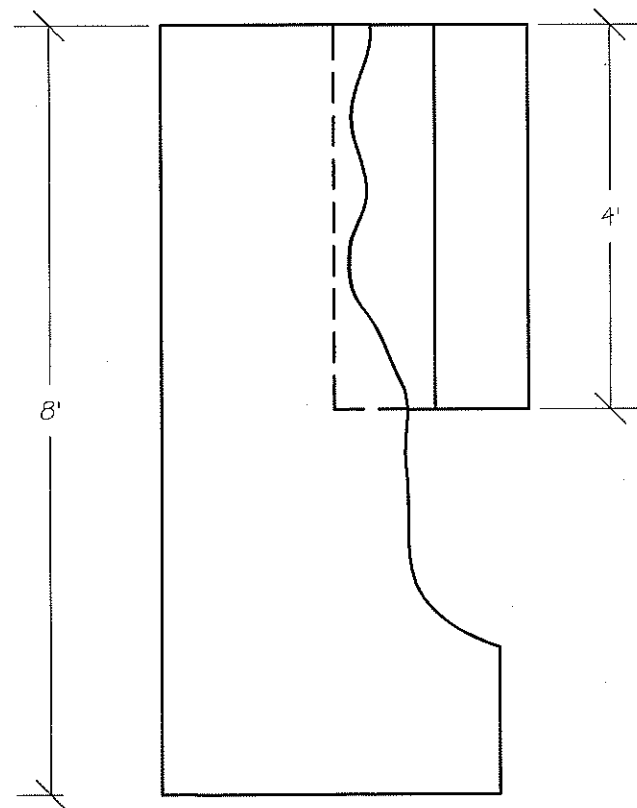
Signature

Two

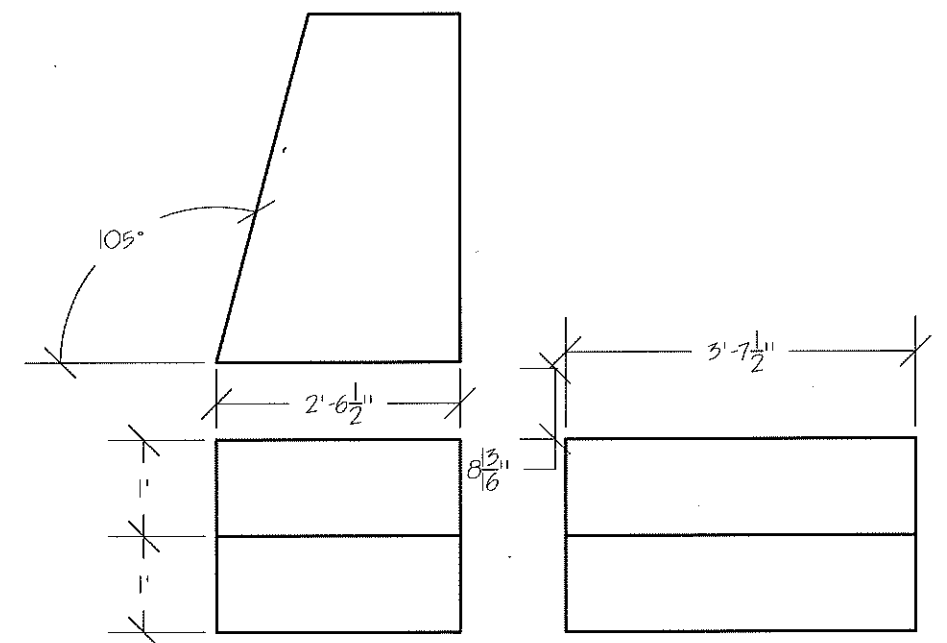
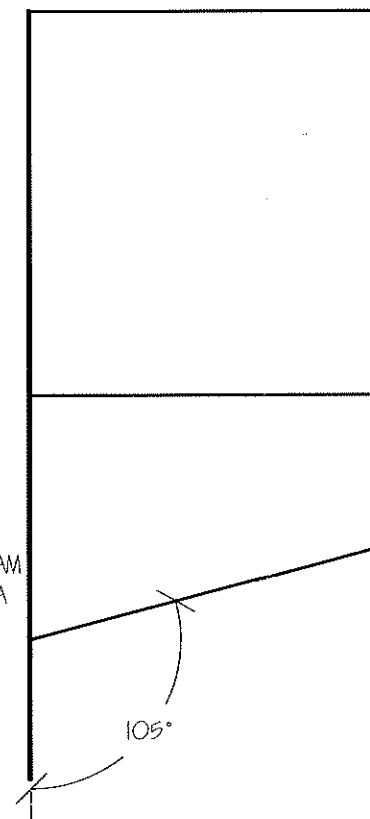
Six



ISOMETRIC VIEW
Not to Scale



BUILDUP FOAM
SEE DETAIL A




DETAIL A: WALL C BUILDUP
Scale: 1/2" = 1'-0"

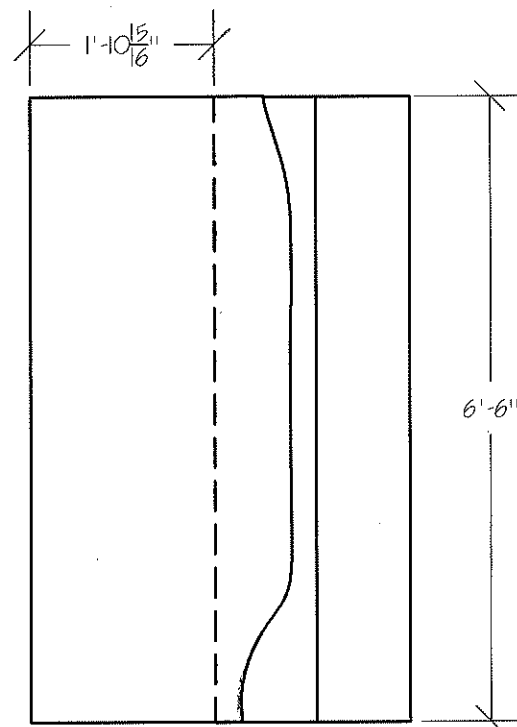
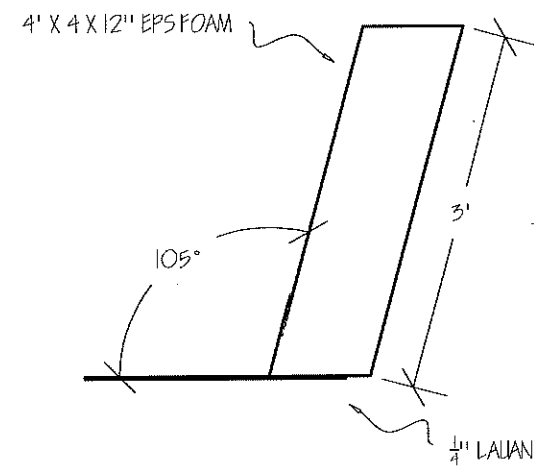
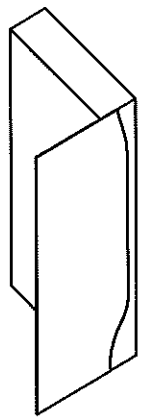
PORTAL FOAM LAYOUT: WALL C
Scale: 1/2" = 1'-0"

NOTES:

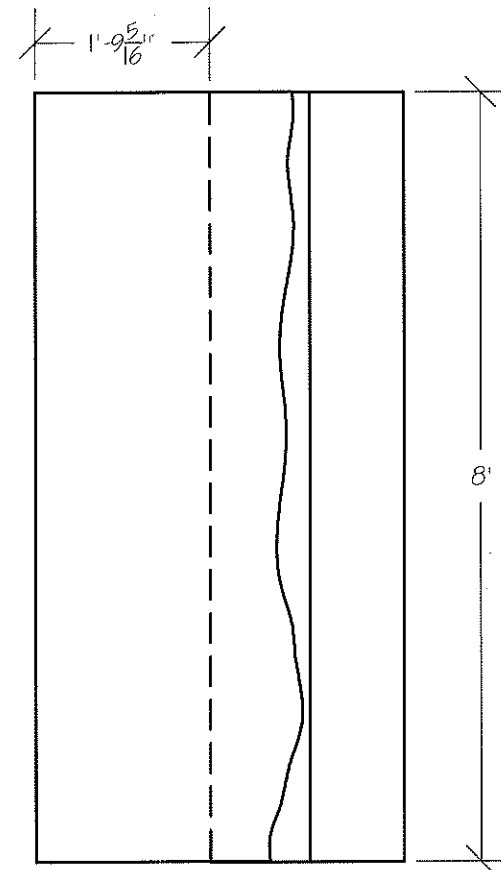
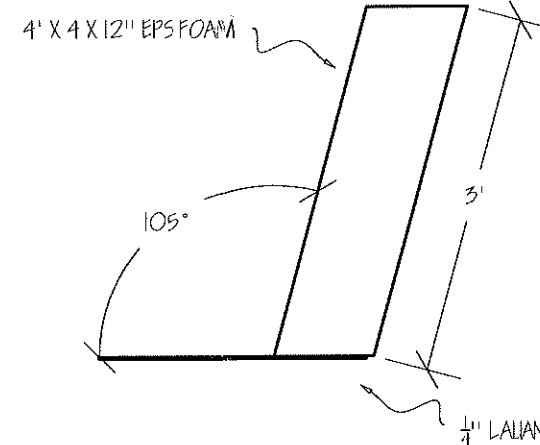
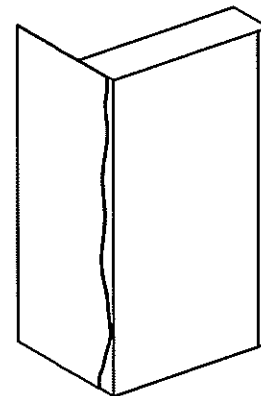
- CUT THE FOAMS ANGLE
- ATTACH THE FOAM TO THE LAUAN IN 4' BLOCKS WITH GORILLA GLUE

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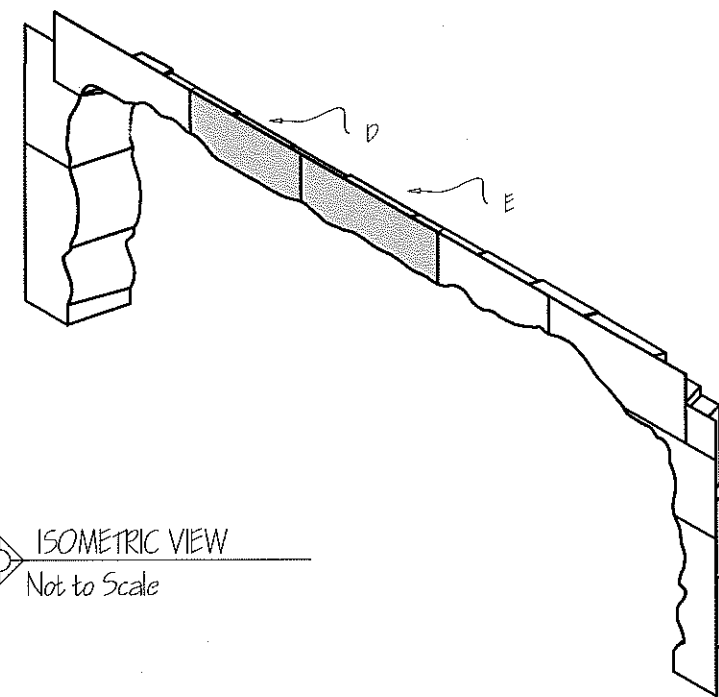
Portal Foam Layout C		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	 Three Six
Date: September 5, 2017	Scale: As Noted	
ID: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	



PORTAL FOAM LAYOUT: WALL D
Scale: 1/2" = 1'-0"



PORTAL FOAM LAYOUT: WALL E
Scale: 1/2" = 1'-0"




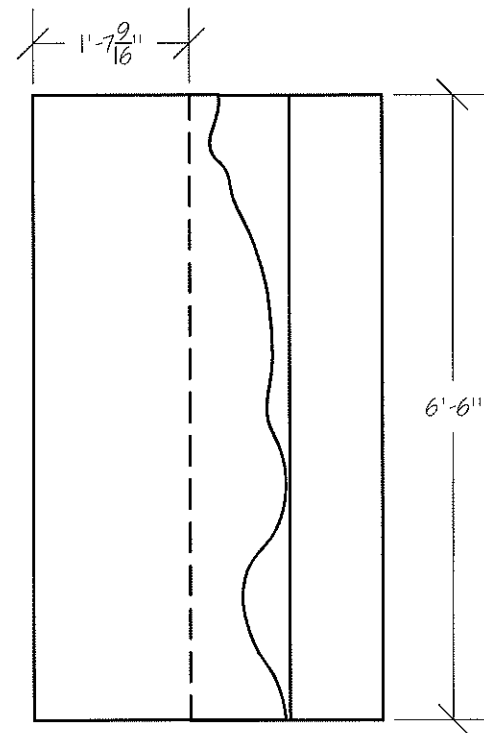
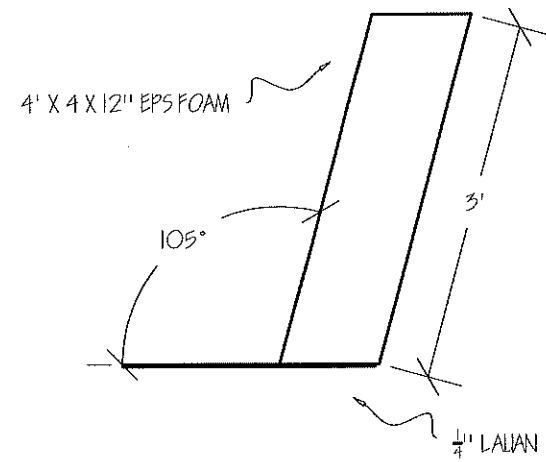
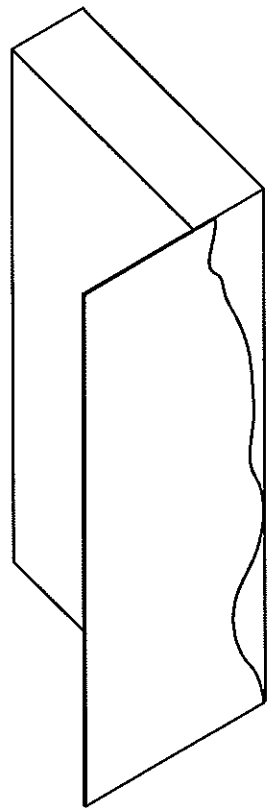
ISOMETRIC VIEW
Not to Scale

NOTES:

- CUT THE FOAMS ANGLE.
- ATTACH THE FOAM TO THE LAUAN IN 4' BLOCKS WITH GORILLA GLUE

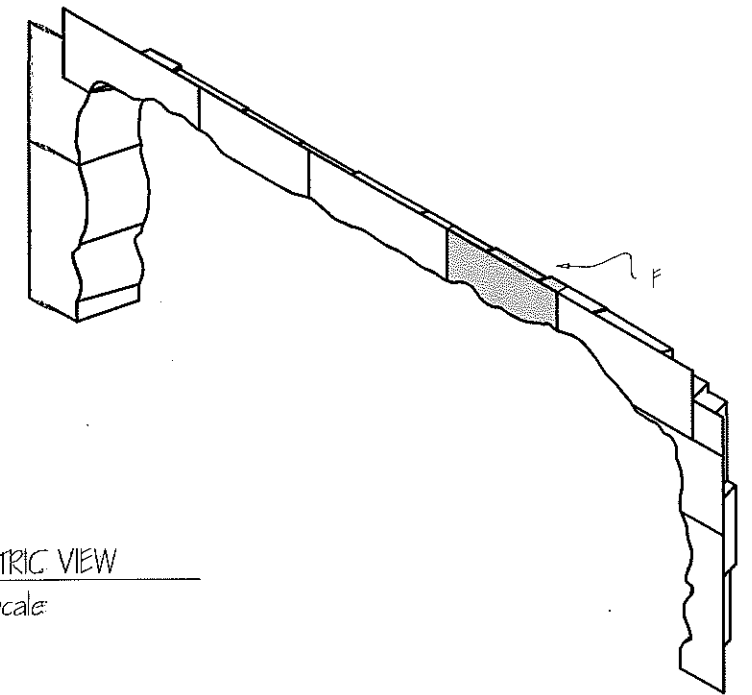
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Portal Foam Layout D / E		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	 Four Six
Date: September 5, 2017	Scale: As Noted	
ID: Duncan Jenner-Bennett	ATD: Samuel J. Santoianni	
Drafted by: Ashley Acevedo	LC: Jonah Hargett	



PORTAL FOAM LAYOUT: WALL F
Scale: 1/2" = 1'-0"

ISOMETRIC VIEW
Not to Scale



NOTES:

- CUT THE FOAMS ANGLE
- ATTACH THE FOAM TO THE LAUAN IN 4' BLOCKS WITH GORILLA GLUE

University of North Carolina School Of The Arts
School Of Design and Production

Portal Foam layout Wall F

Designer: Manika Gupta

Date: September 5, 2017

ID: Duncan Jenner-Bennett

Drafted by: Ashley Acevedo

Director:

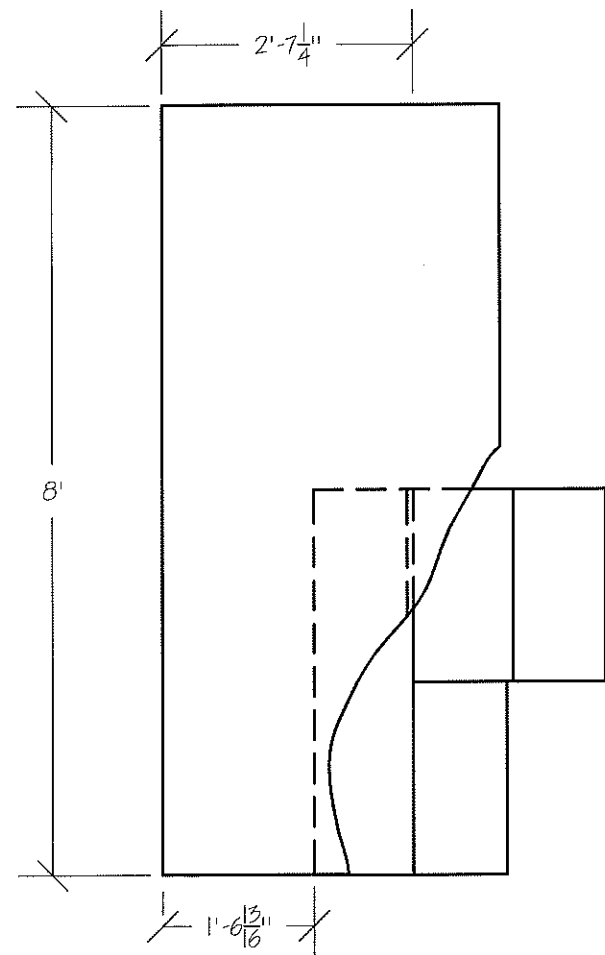
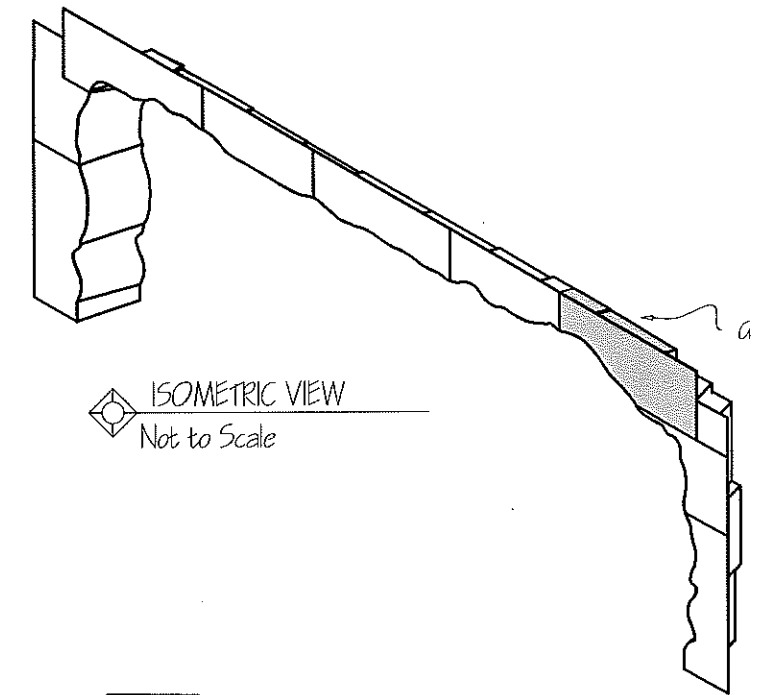
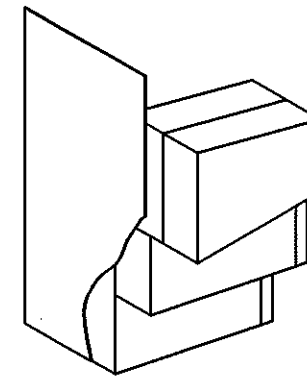
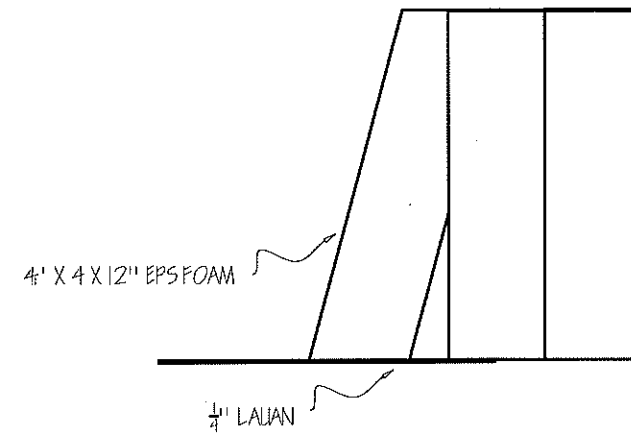
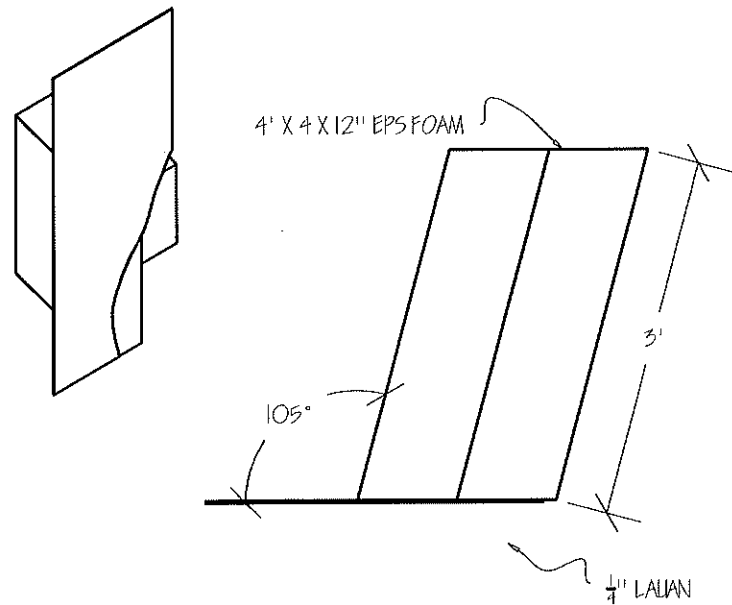
Scale: As Noted

ATD: Samuel J. Santolanni

LC: Jonah Hargett

Advisor Approval

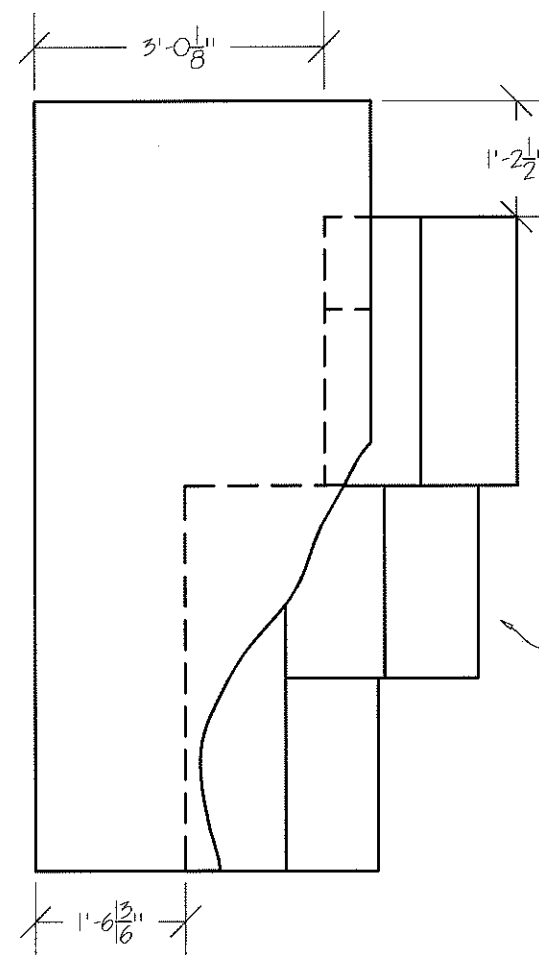
Five
Six



PORTAL FOAM LAYOUT: WALL G

Scale: 1/2" = 1'-0"

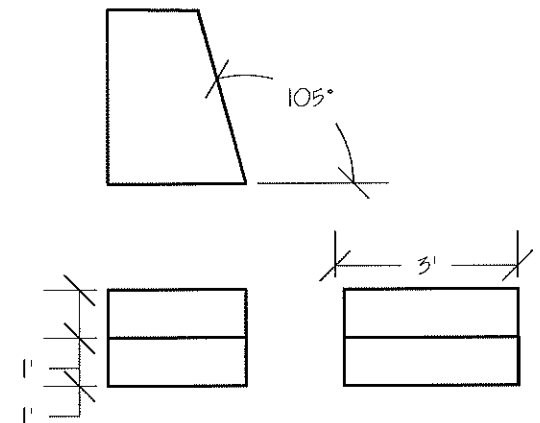
BUILT UP FOAM
SEE DETAIL C



PORTAL FOAM LAYOUT: WALL G

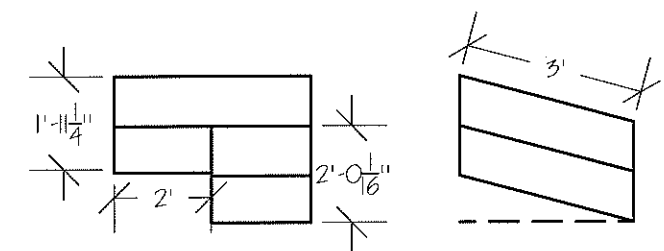
Scale: 1/2" = 1'-0"

BUILT UP FOAM
SEE DETAIL B



DETAIL B: WALL G BUILDUP

Scale: 1/4" = 1'-0"



DETAIL C: WALL G BUILDUP

Scale: 1/4" = 1'-0"

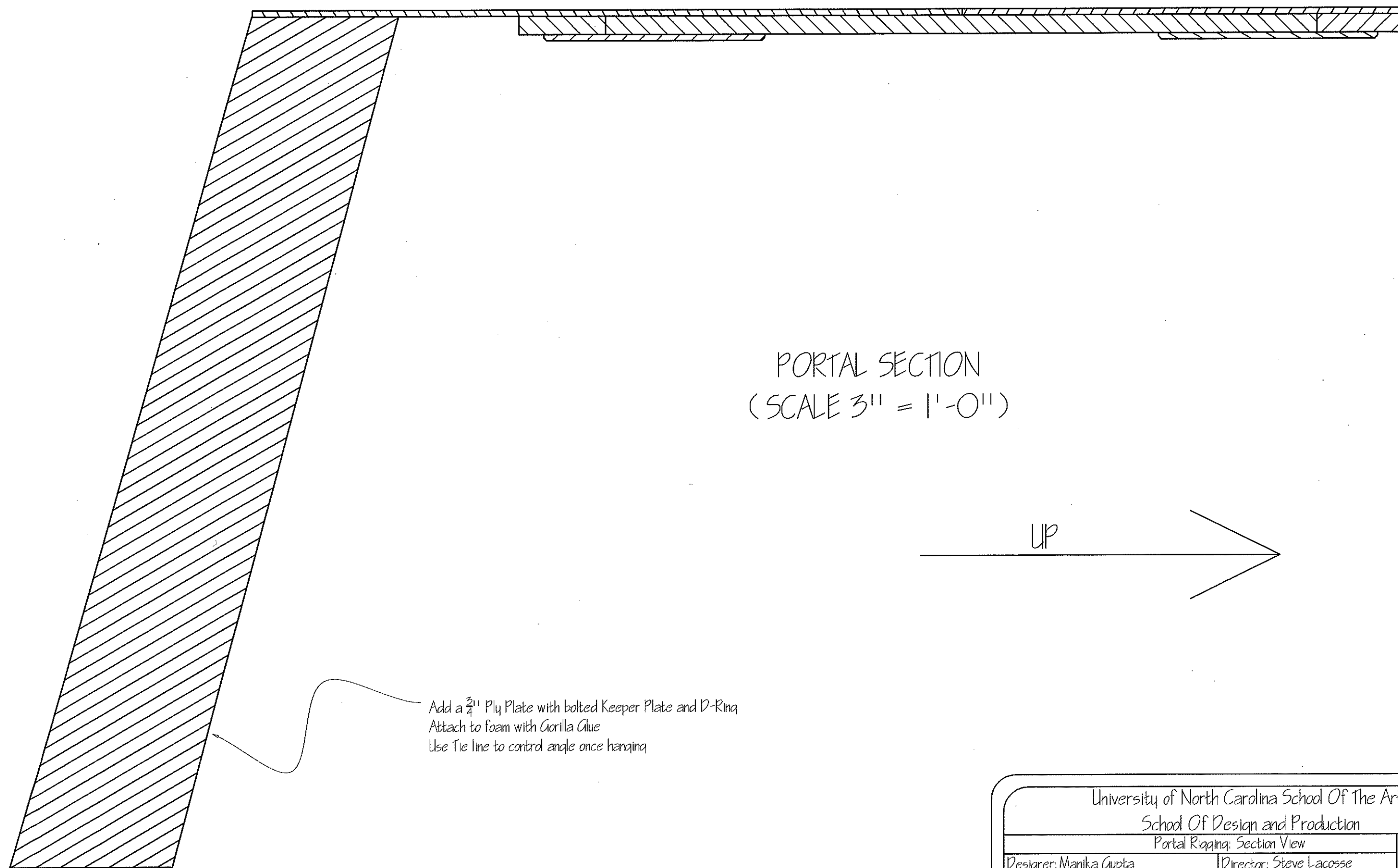
NOTES:

- CUT THE FOAMS ANGLE
- ATTACH THE FOAM TO THE LUAN IN 4' BLOCKS WITH GORILLA GLUE

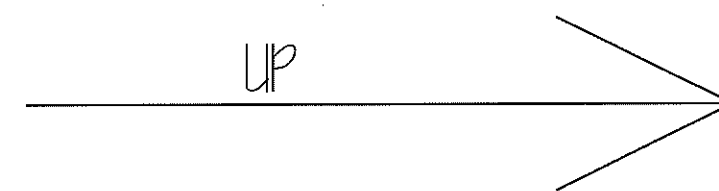
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Portal Foam Layout G		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	LM
Date: September 5, 2017	Scale: As Noted	
TD: Duncan Jenner-Bennett	ATD: Samuel J. Santoianni	Six
Drafted by: Ashley Acevedo	LC: Jonah Hargett	Six



PORTAL SECTION
(SCALE 3" = 1'-0")



Add a $\frac{3}{4}$ " Ply Plate with bolted Keeper Plate and D-Ring
Attach to foam with Gorilla Glue
Use Tie line to control angle once hanging

University of North Carolina School Of The Arts		
School Of Design and Production		
Portal Rigging: Section View		Advisor Approval
Designer: Manika Gupta	Director: Steve Lacosse	
Date: September 5, 2017	Scale: As Noted	Two
ID: Duncan Jenner-Bennett	ATD: Samuel J. Santolanni	
Drafted by: Duncan Jenner-Bennett	LC: Jonah Hargett	Two