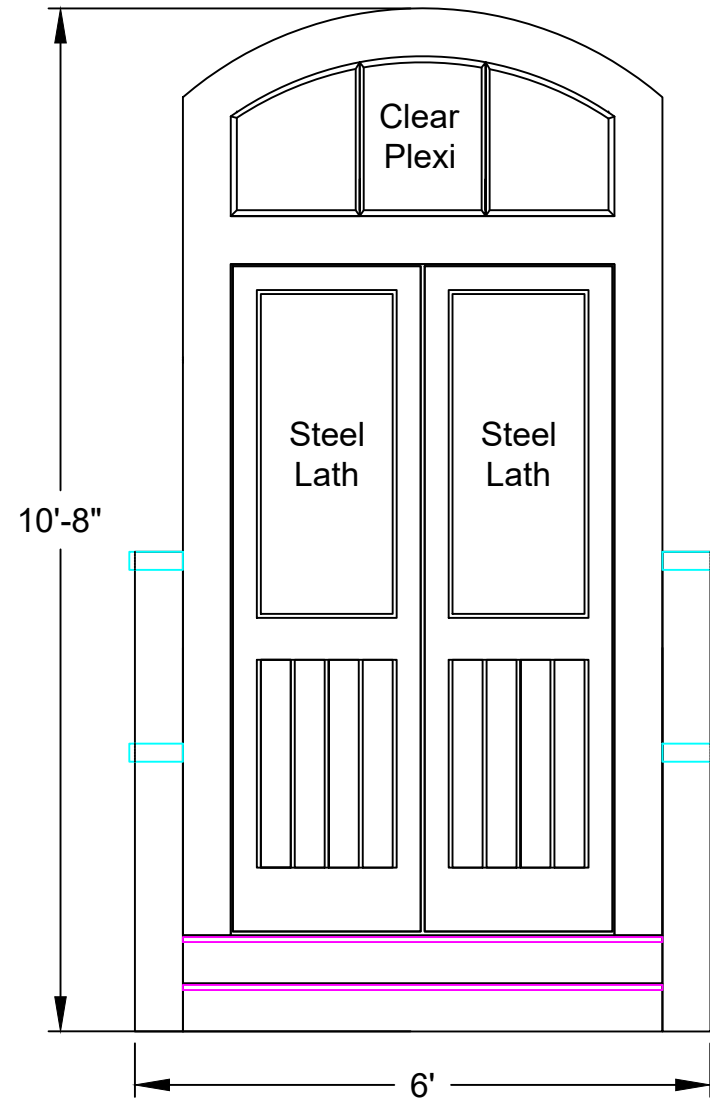


Front View: Door Unit

Scale: 1/2" = 1'



Designer Image: Door Unit

Scale: Not to Scale

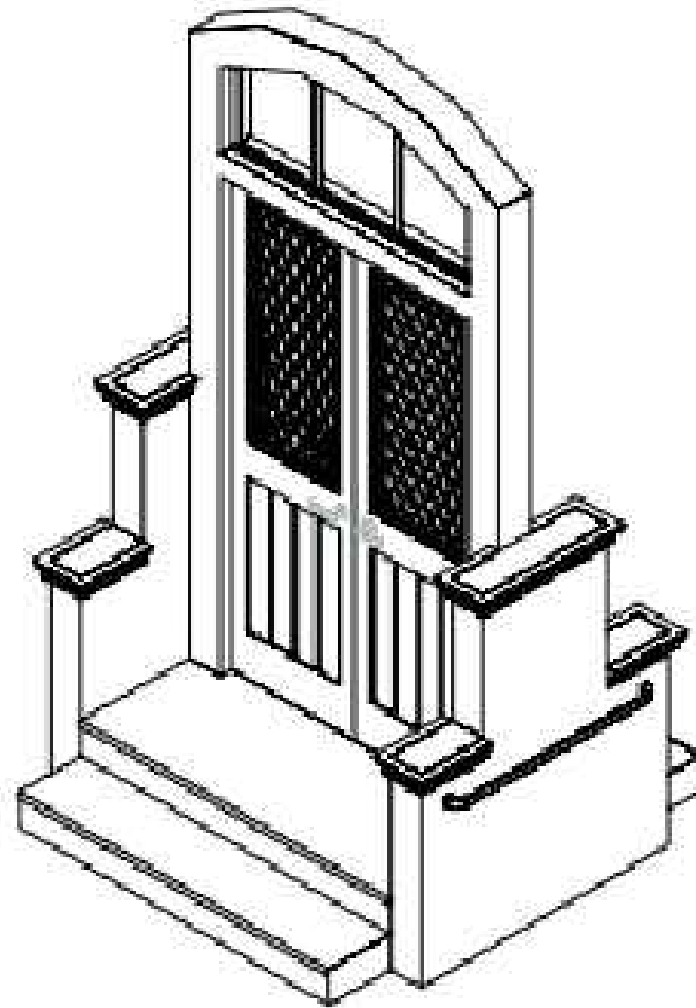
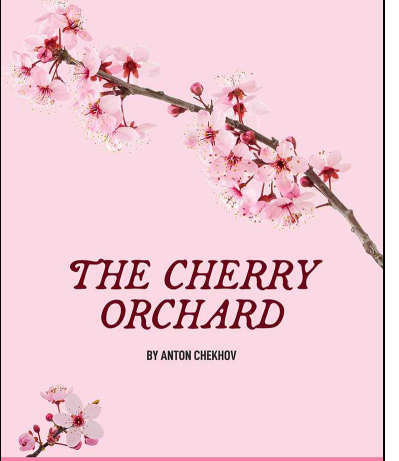


Table of Contents:

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- C3: Door Flat Assembly
- C4: Door Flat Transom Detail
- C5: Door Flat Facing Install
- C6: Door Overview
- C7: Door Assembly
- C8: Top Platform Cut List
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- C10: Top Platform Assembly
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- C12: Bottom Platform Coverings
- C13: Bottom Platform Assembly
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- C17: Leg Cut List
- C18: Top/Bottom Platform Leg Install
- C19: Bottom Platform Leg Install
- C20: Air Caster System Schematic
- C21: Air Caster to Caster Frame Build
- C22: Air Caster Frame Build
- C23: Air Caster System Install
- C24: Trim Overview

nct



7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

Notes:

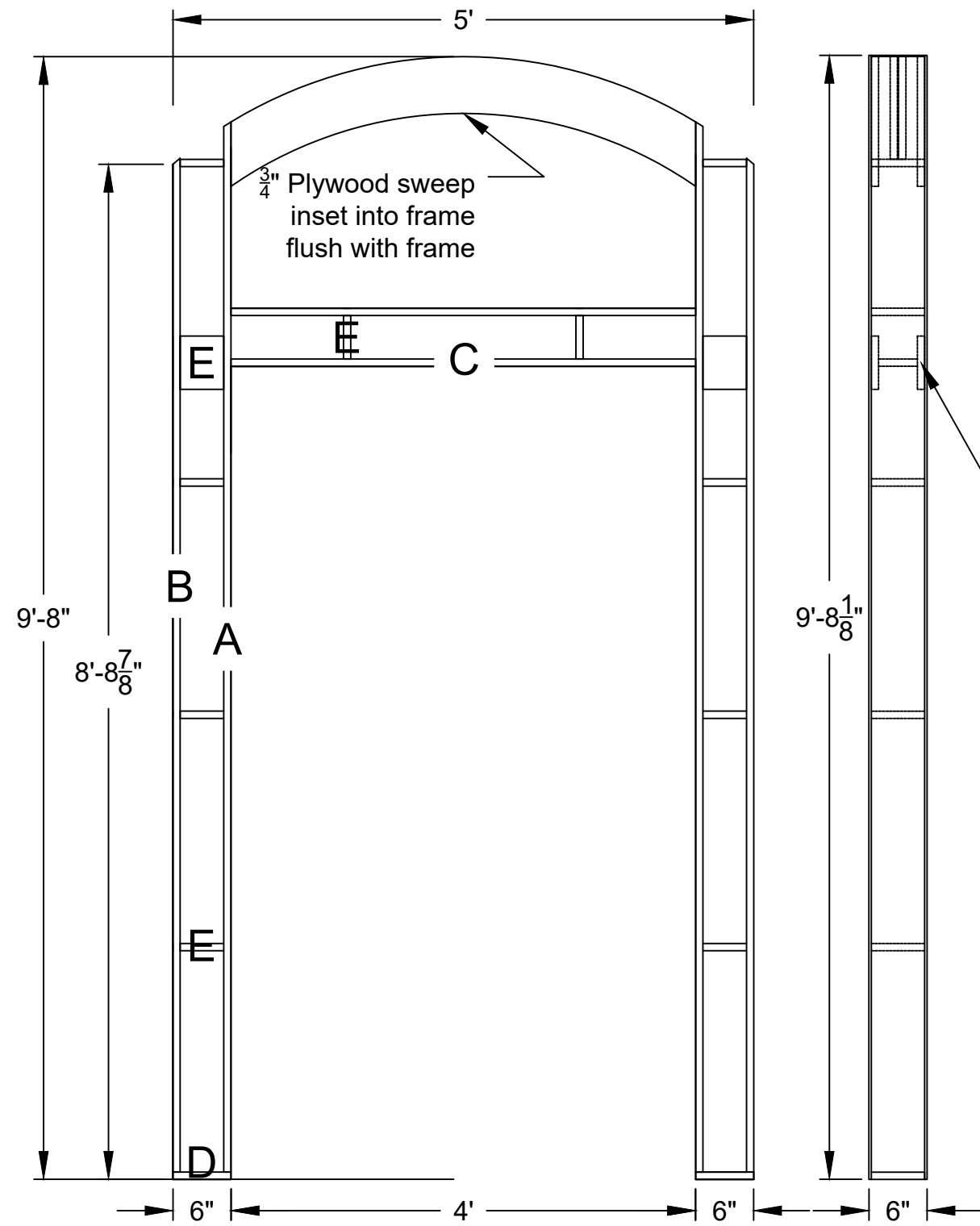
2 units to build
Rolling units with air caster system

Drawing:	Door Unit Doors Overview
----------	--------------------------------

Plate Number:	C1
---------------	----

Front View: Door Flat

Scale: 3/4" = 1'
(Facing Not Shown)



Side View: Door Flat

Scale: 3/4" = 1'

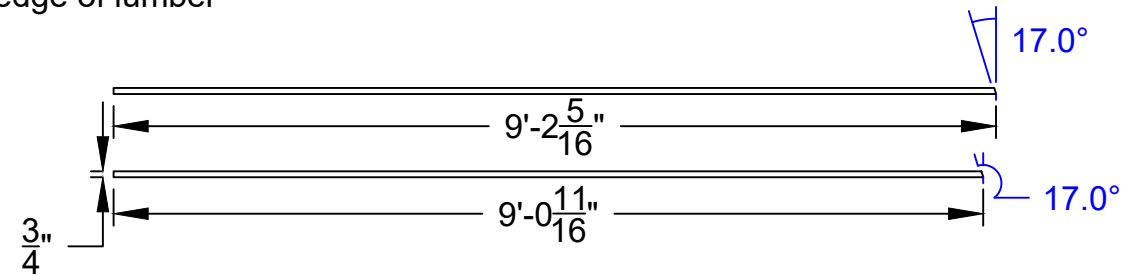
Top View: 1x6 Cut List

Scale: 1/2" = 1'

Cuts on edge of lumber

A x 4

B x 4



Top View: 1x6 Cut List

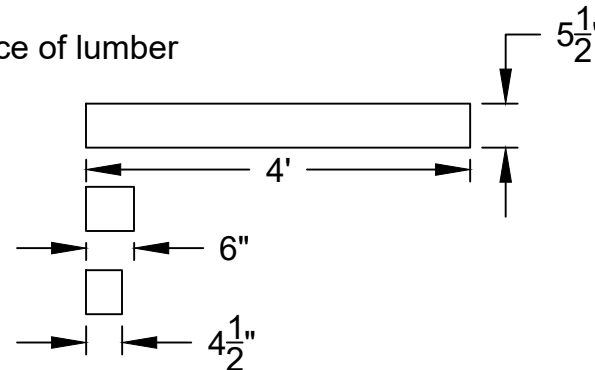
Scale: 1/2" = 1'

Cuts on face of lumber

C x 4

D x 4

E x 24



Notes:

All angle measurements are angle to cut at

Flat is symmetrical

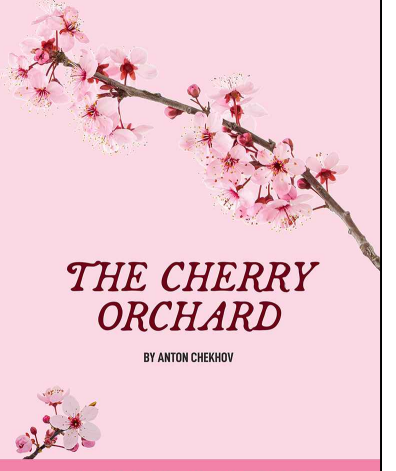
2 frames to be built

Cut list is for 2 units

3/4" Plywood sweeps CNC cut

Add temp. stock to door opening to keep in square

nct



Director:	Michael Lugerling
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

Notes:

Drawing:	Door Unit Door Flat Frame Cut List
----------	--

Plate Number:	C2
---------------	----

Front View: Door Frame

(Facing Not Shown)

Scale: 1" = 1'

Notes:

2 frames to be built, flats are symmetrical

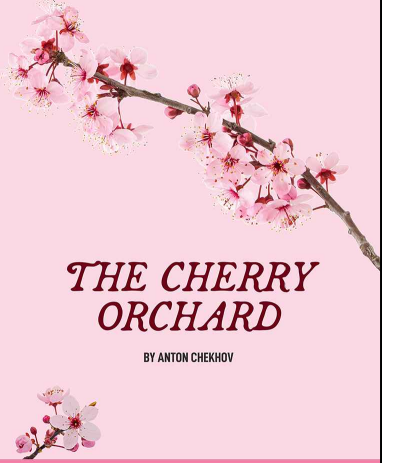
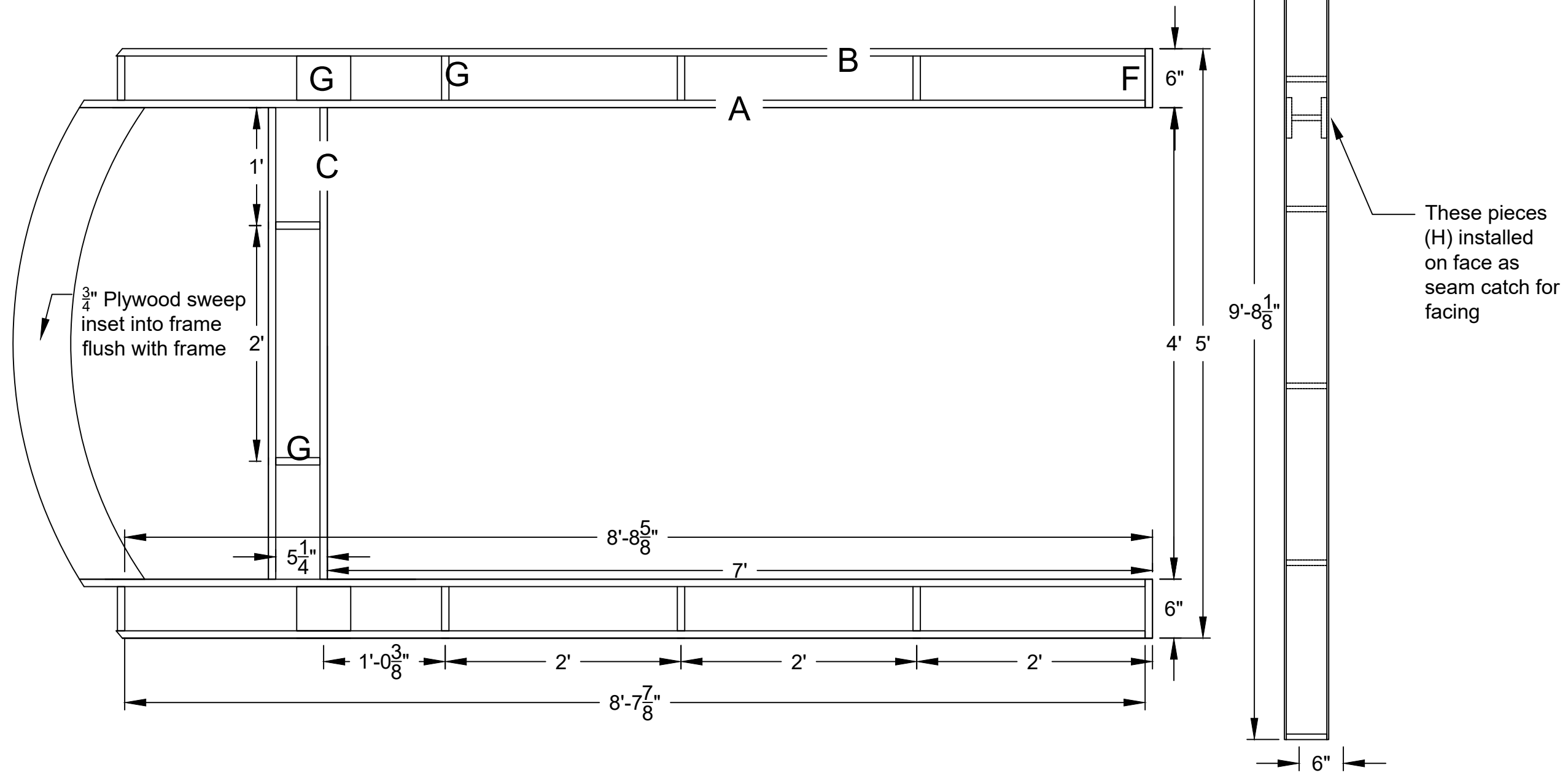
Jig frame and build one, will face one entire side while still in jig

Plexi is installed **before** facing - See page C4 for details

Add temp. stock to door opening to keep in square

Side View: Door Frame

Scale: $\frac{3}{4}" = 1'$



7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

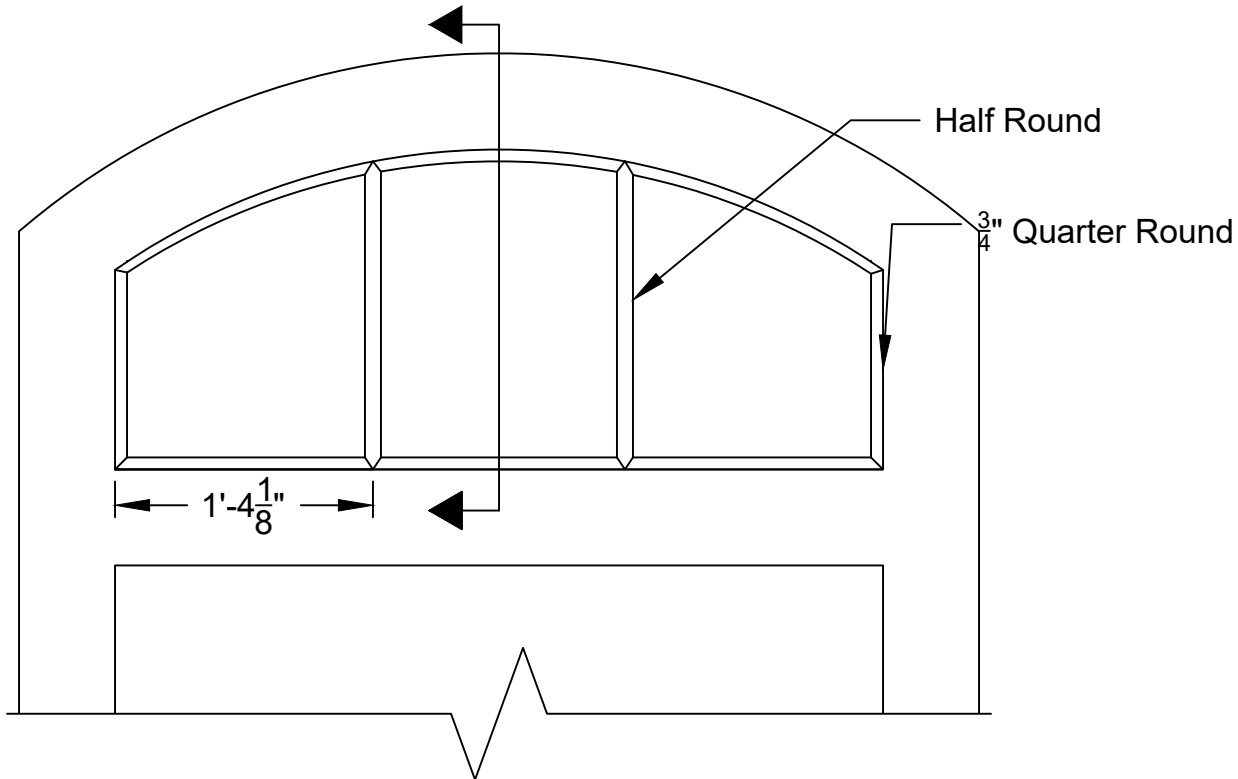
Notes:

Drawing: Door Unit
Door Flat
Assembly

Plate Number:
C3

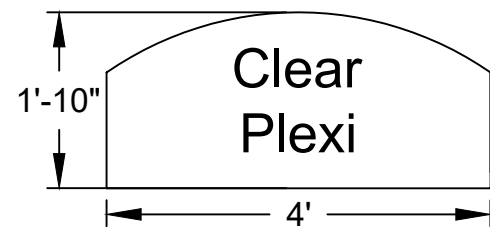
Front View: Door Flat Transom Detail

Scale: 1" = 1'



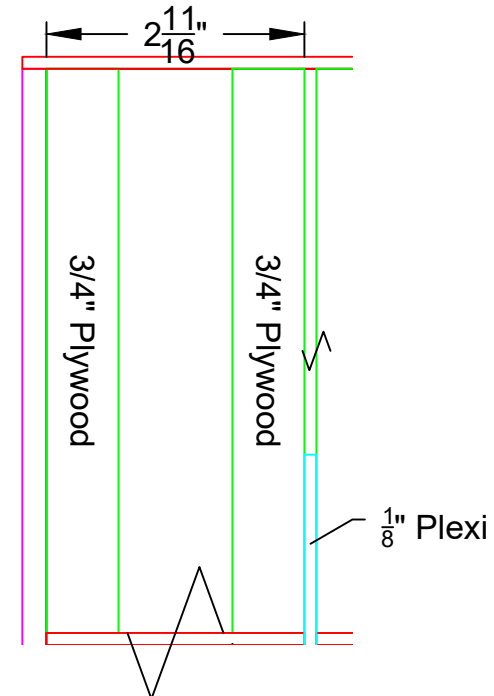
Front View: Plexi Size

Scale: 1/2" = 1'



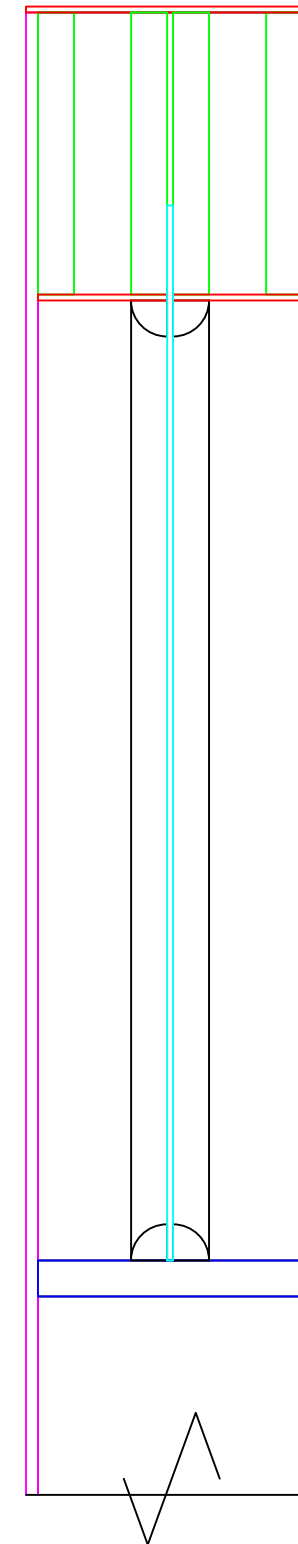
Detail View: Plywood Sweep

Scale: 6" = 1'



Section View: Door Flat Transom Detail

Scale: 3" = 1'



Magenta: 1/4" MDF

Blue: 1/8" Plexi

Green: 3/4" Plywood Sweep

Red: 1/8" MDF

Black: Trim

Blue: 1x6

Notes:

Both sides of door flat get trim details

1/8" MDF installed first with gap between for plexi
- Glue and NC staple

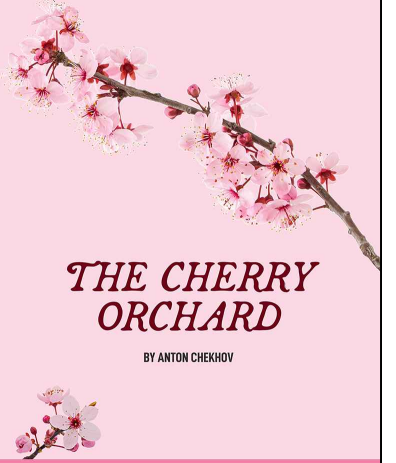
Peel edges of plastic covering on plexi when install; rest of plastic to remove after build/paint is done

Plexi is slid in from top of flat, centered in flat

Trim is brad nailed into place, follow up with nail set as needed to ensure all brad heads are below surface

Plexi is sandwiched between trim

nct



THE CHERRY ORCHARD

BY ANTON CHEKHOV

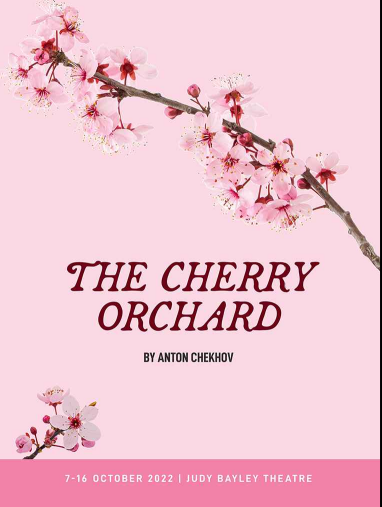
7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

Notes:

Drawing:
Door Unit
Door Flat
Transom Detail

Plate Number:
C4



Director:	Michael Luger
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

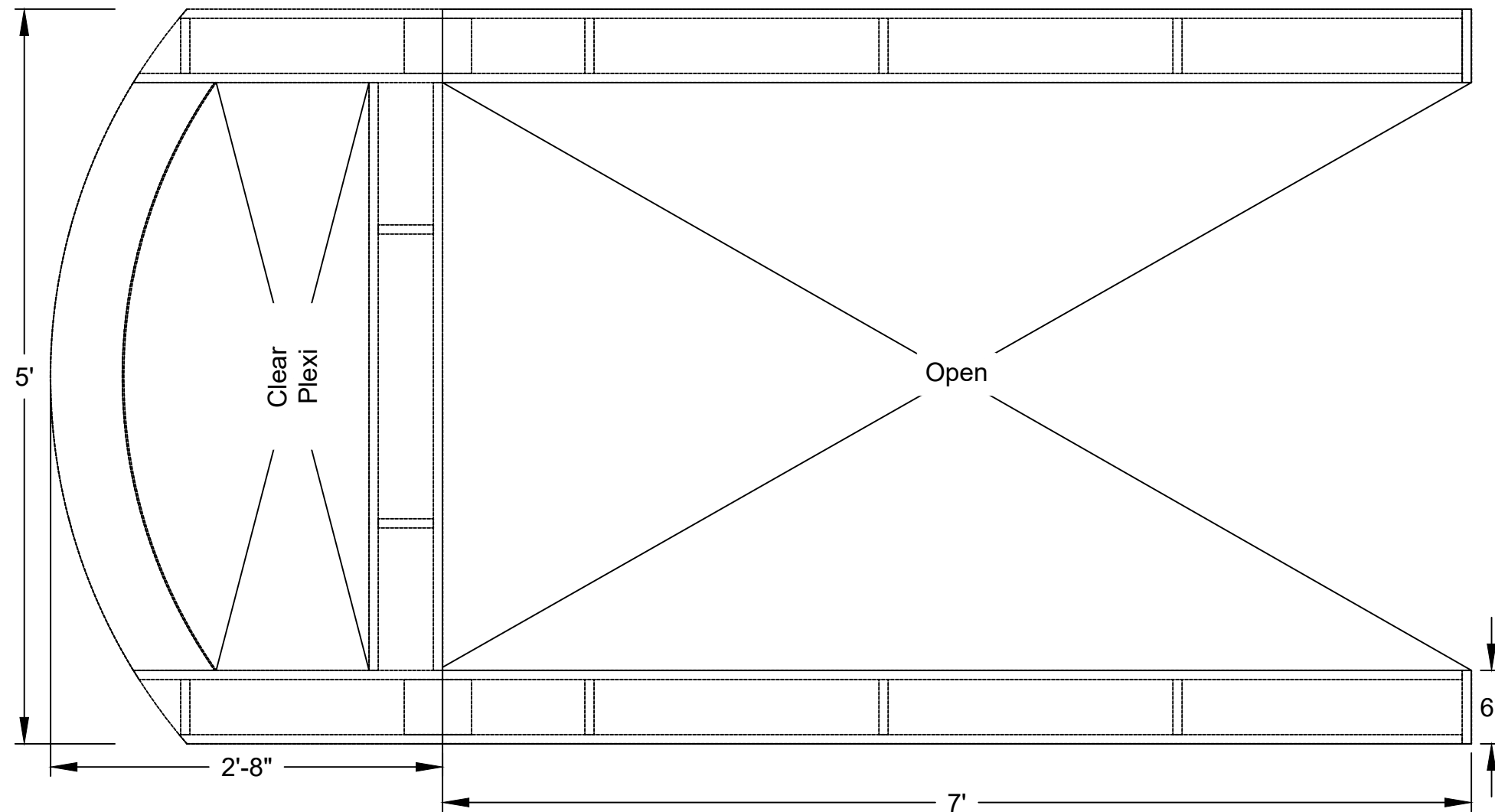
Notes:

Drawing:
 Door Unit
 Door Flat
 Facing Install

Plate Number:
 C5

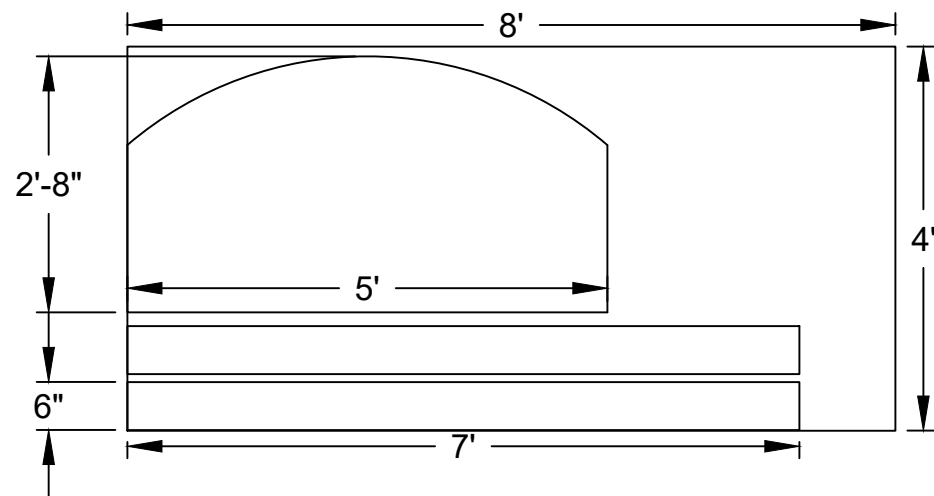
Front View: Door Frame

Scale: 1" = 1'



Front View: Facing Layout 4x8 Sheet

Scale: 1/2" = 1'



Notes:

- 2 frames to face
- Both sides of frame faced
- Add temp. stock to door opening to keep in square as needed
- Face one entire side while still in jig
- Plexi is installed before facing
- Peel edges of plastic covering on plexi when install; rest of plastic to remove after build/paint is done

Top edge of flat is faced with $\frac{1}{8}$ " MDF - Install first then router top $\frac{1}{4}$ " MDF pieces to it to create top curve

Bottom facing on one side is not installed until after flat is attached to platform

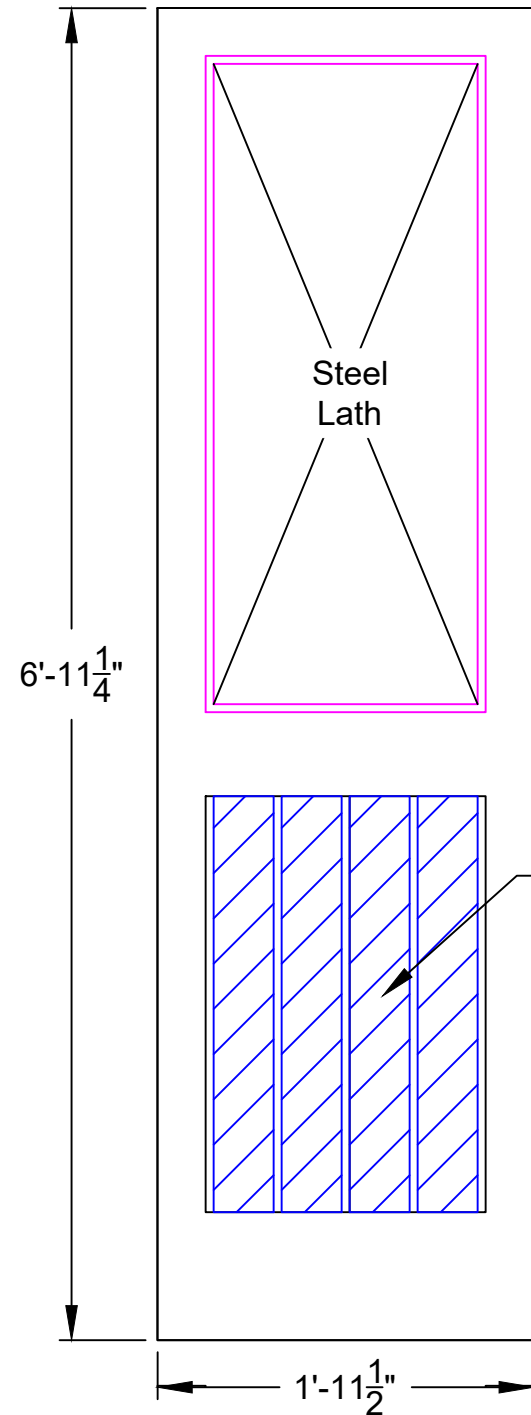
One sheet of $\frac{1}{4}$ " MDF will cover one side of frame (see possible sheet layout for reference)

Glue and NC staple facing on

All staple holes need JC before send to paint

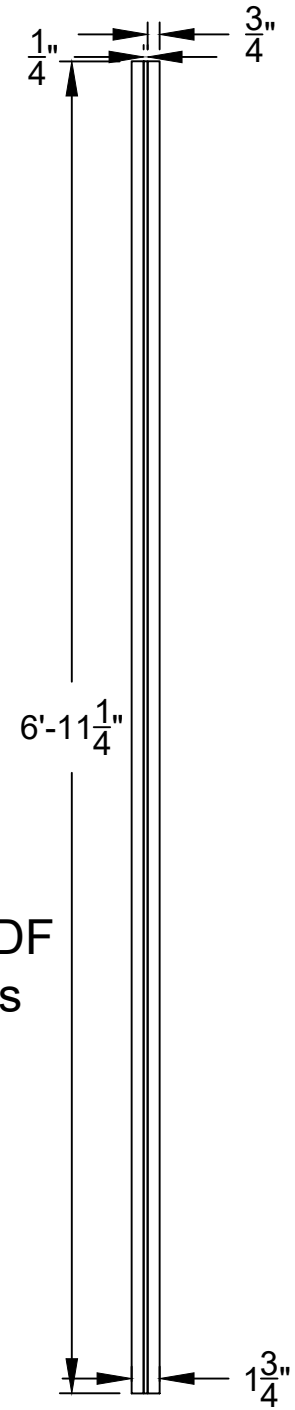
Front View: Door

Scale: 1" = 1'



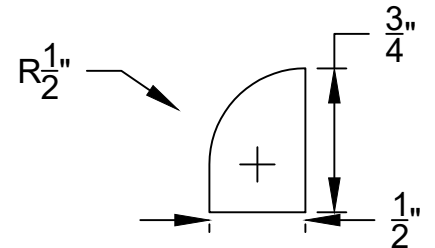
Side View: Door

Scale: 1" = 1'



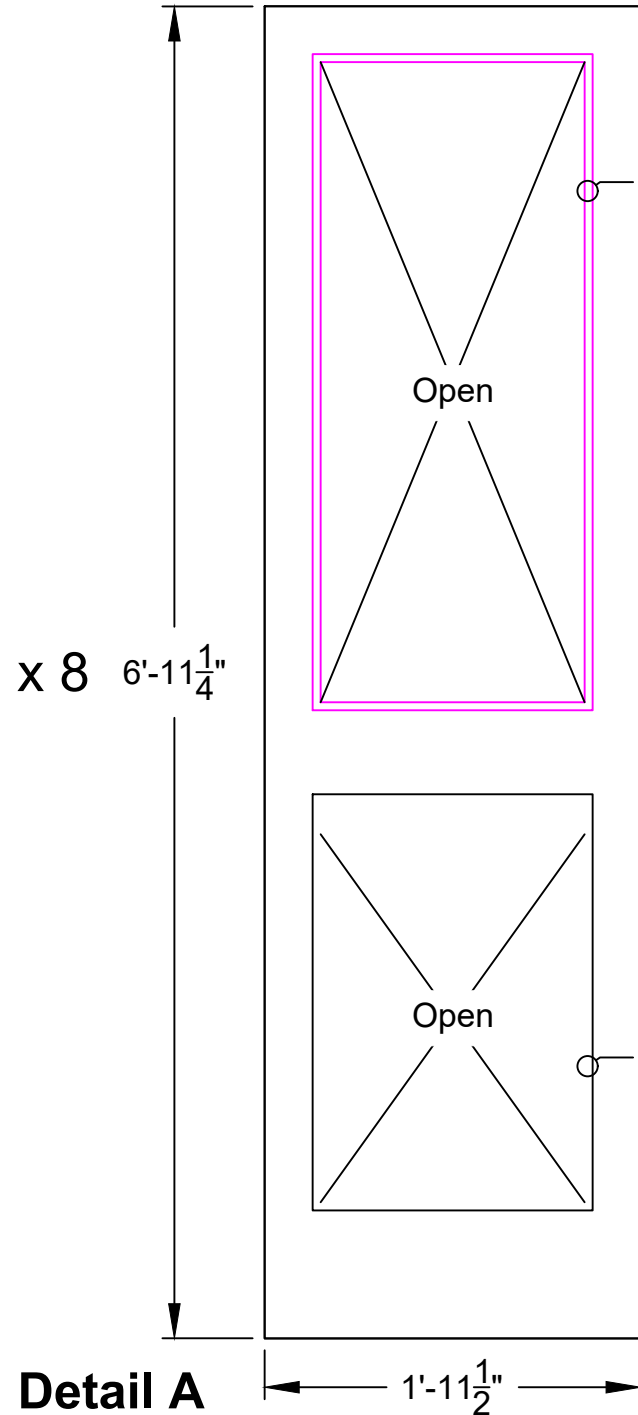
Section View: Detail A

Scale: Actual Size



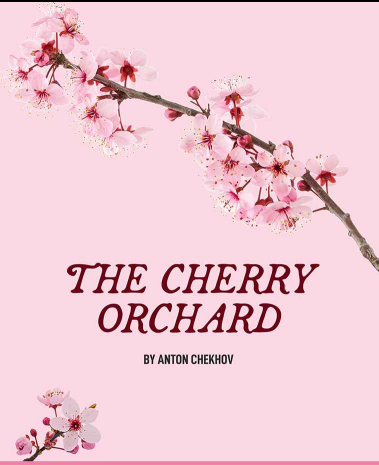
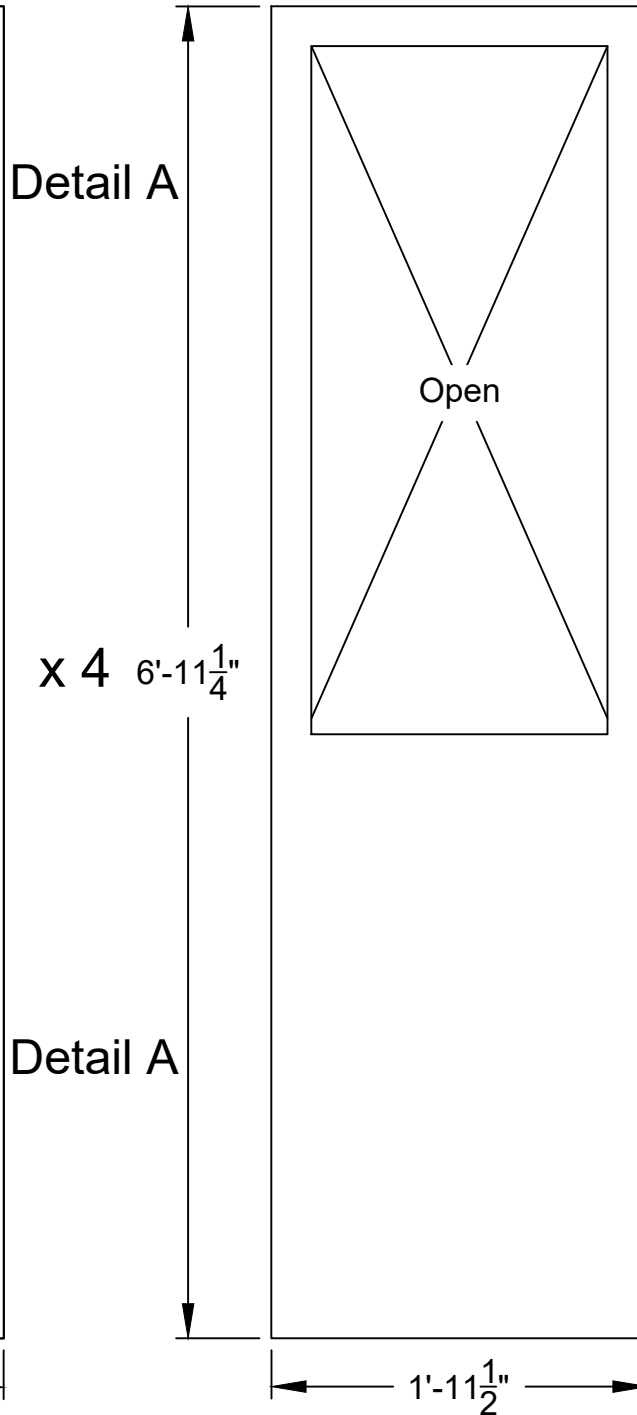
Front View: 3/4" Plywood

Scale: 1" = 1'



Front View: 1/4" MDF Panel

Scale: 1" = 1'



Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

Notes:

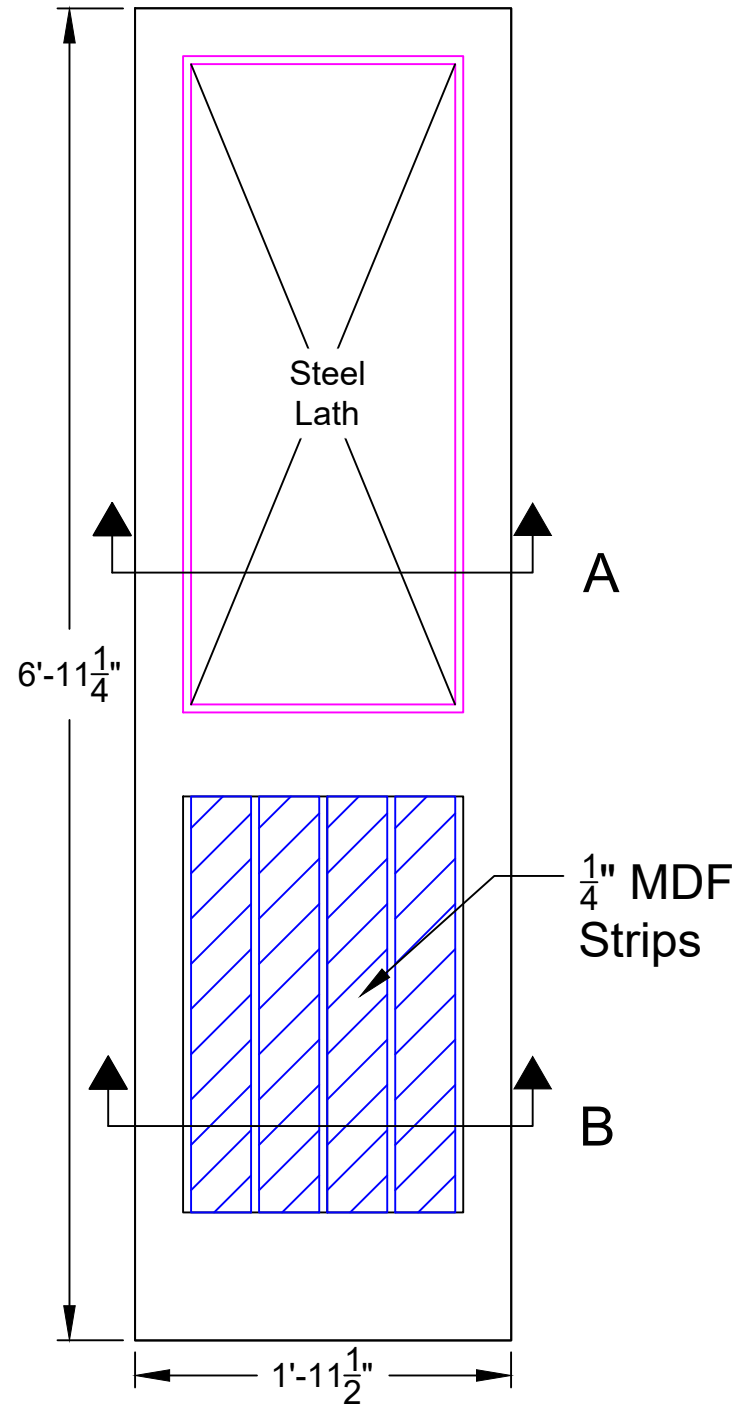
- 4 doors to build
- Door is two pieces of 3/4" plywood with 1/4" MDF middle, pieces are CNC cut
- Top opening of doors has steel lath sandwiched between plywood
- Inside edge of large openings on 3/4" Plywood to be rounded over on good side of plywood (magenta colored)
- 1/4" MDF strips attached on top of middle of door panel as trim

Drawing: Door Unit Door Overview

Plate Number: C6

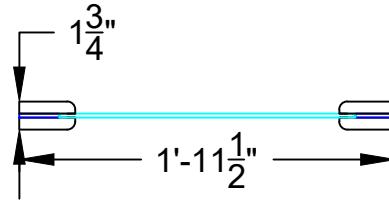
Front View: Door

Scale: 1" = 1'



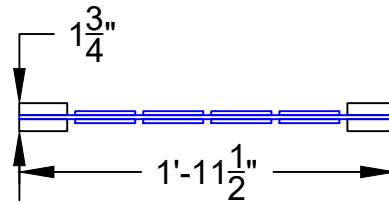
Section View: A

Scale: 1" = 1'



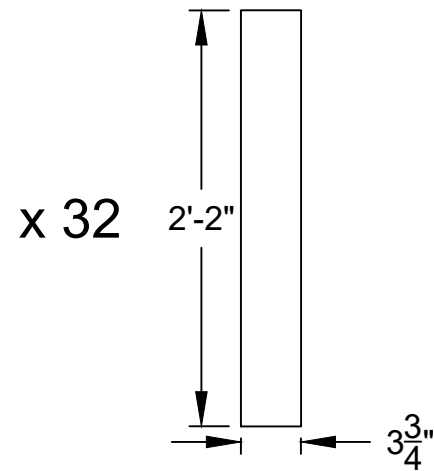
Section View: B

Scale: 1" = 1'



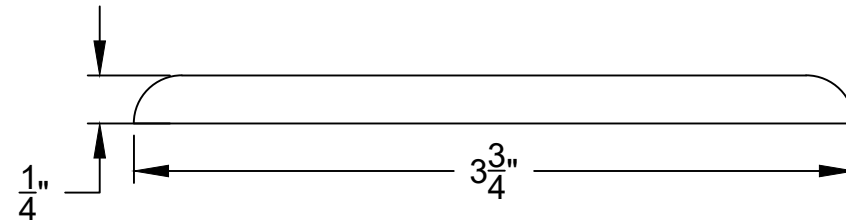
Front View: 1/4" MDF Strip

Scale: 1" = 1'



Section View: 1/4" MDF Strip

Scale: Actual Size



Notes:

4 doors to build

Use scrap for 1/4" MDF Strips as possible

1/4" MDF Strips are rounded over on long edges

1/4" MDF strips attached on top of middle of door panel as trim

For steel lath, make sure all pieces cut the same so pattern will match across double doors and double check during assembly

Steps for door assembly:

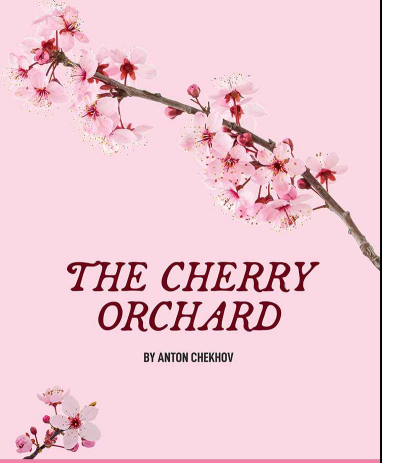
Good side of plywood faces out

After plywood CNC cut, using router with 1/2" round over bit, round over all inside edges of large opening on good side of plywood

Glue down 1/4" MDF to 3/4" Plywood

Install cut steel lathe into opening of 1/4" MDF - consult with TD about securing in place

Glue down top 3/4" Plywood piece and add weights evenly over entire door unit - let sit overnight untouched for glue to set up



7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

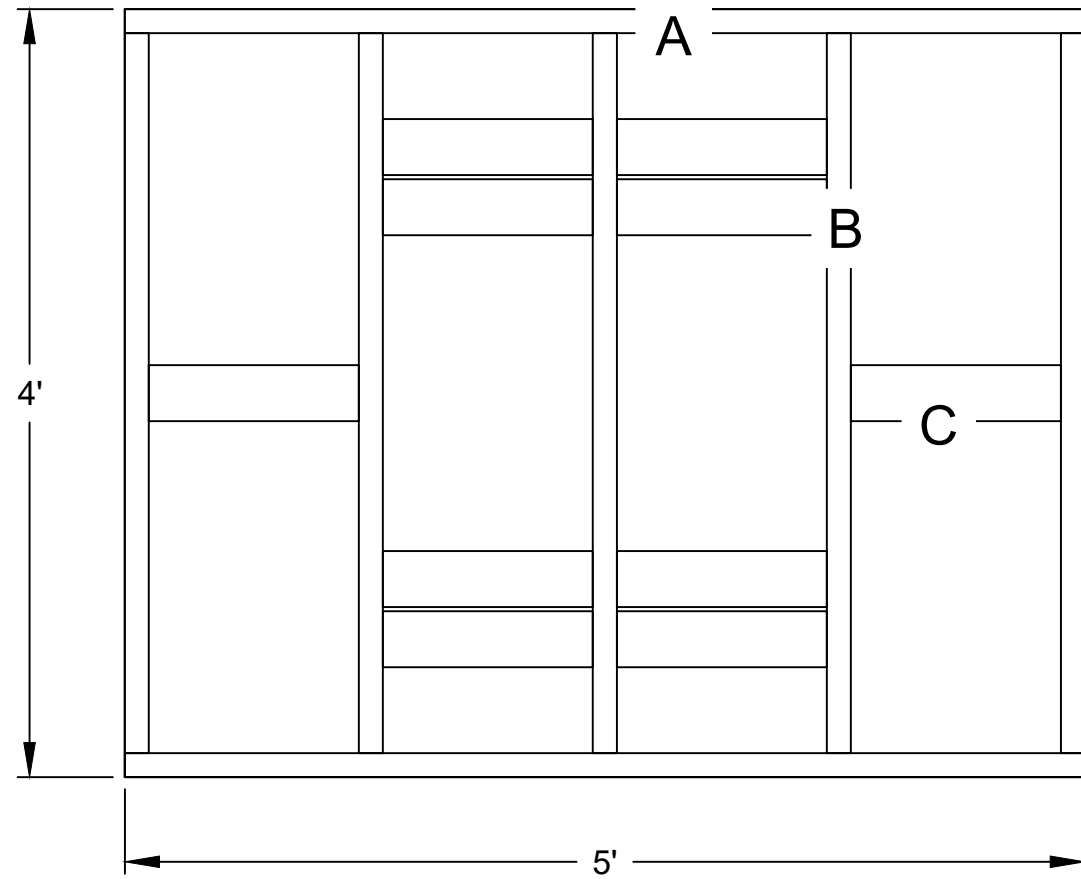
Notes:

Drawing:	Door Unit Door Assembly
----------	-------------------------------

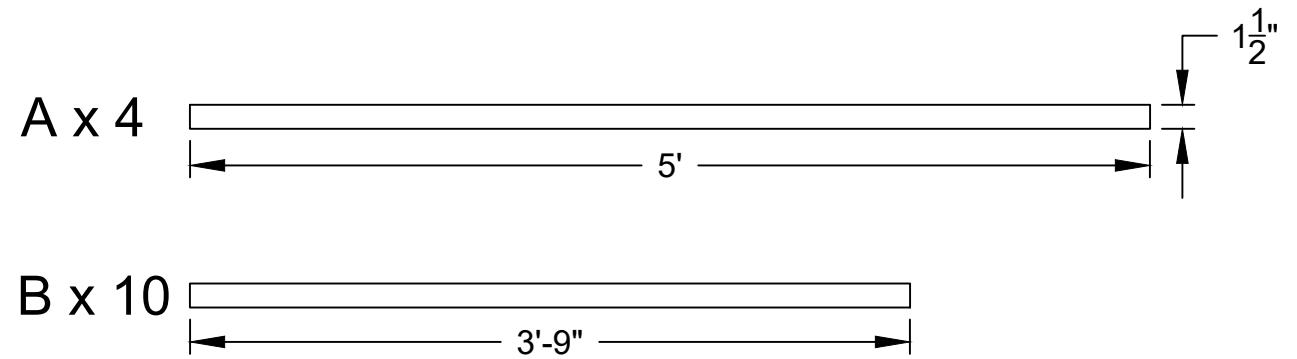
Plate Number:	C7
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Top View: Top Platform

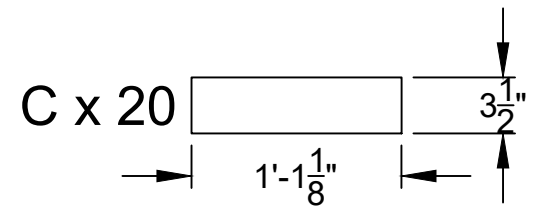
(Covering Not Shown)



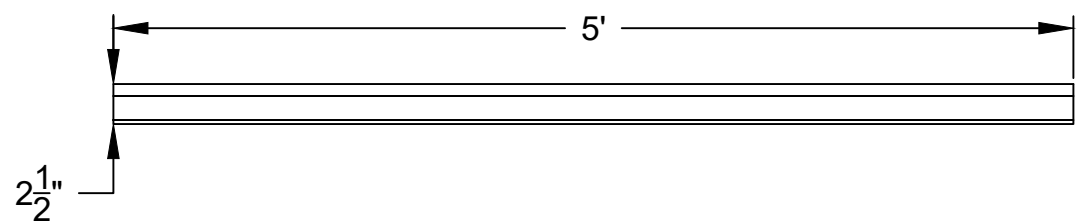
Top View: 2x2 Cut List



Top View: 2x4 Cut List



Front View: Top Platform



Notes:

2 platforms to build

Platforms are Stressed Skinned

Cut list is for 2 platforms

All cuts are on face of lumber



THE CHERRY ORCHARD

BY ANTON CHEKHOV

7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	1" = 1'
Date:	8/22/2022

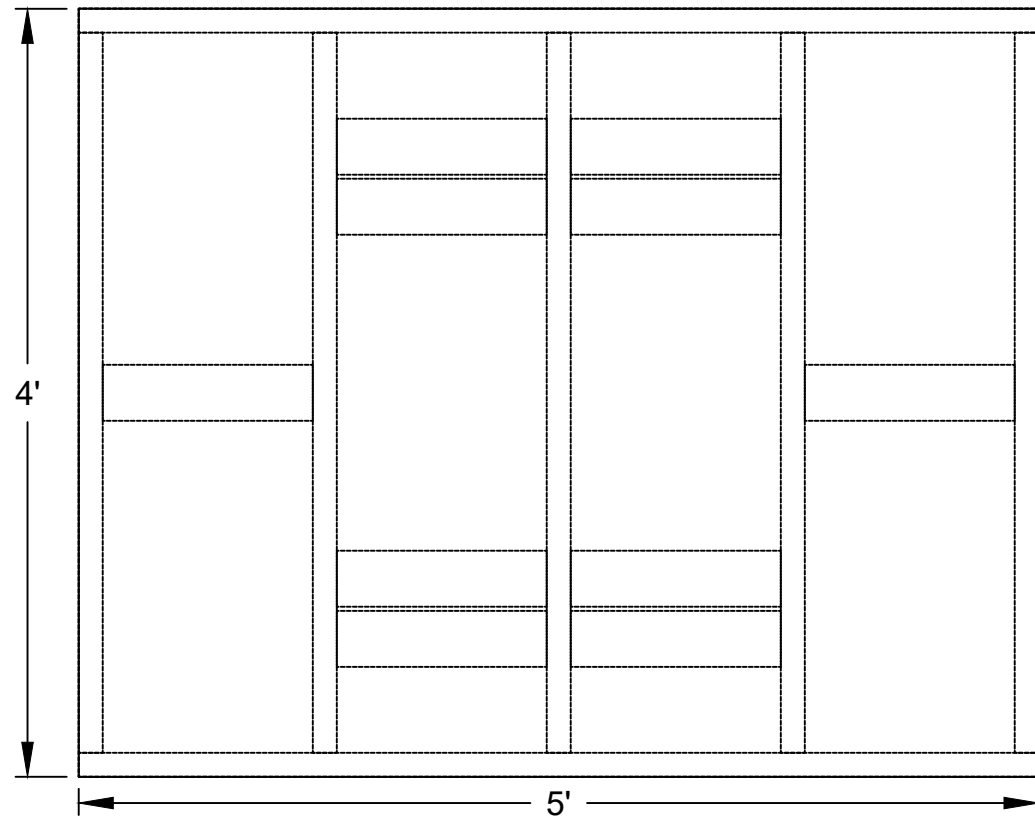
Notes:

Drawing:
**Door Unit
 Top Platform
 Cut List**

Plate Number:
C8

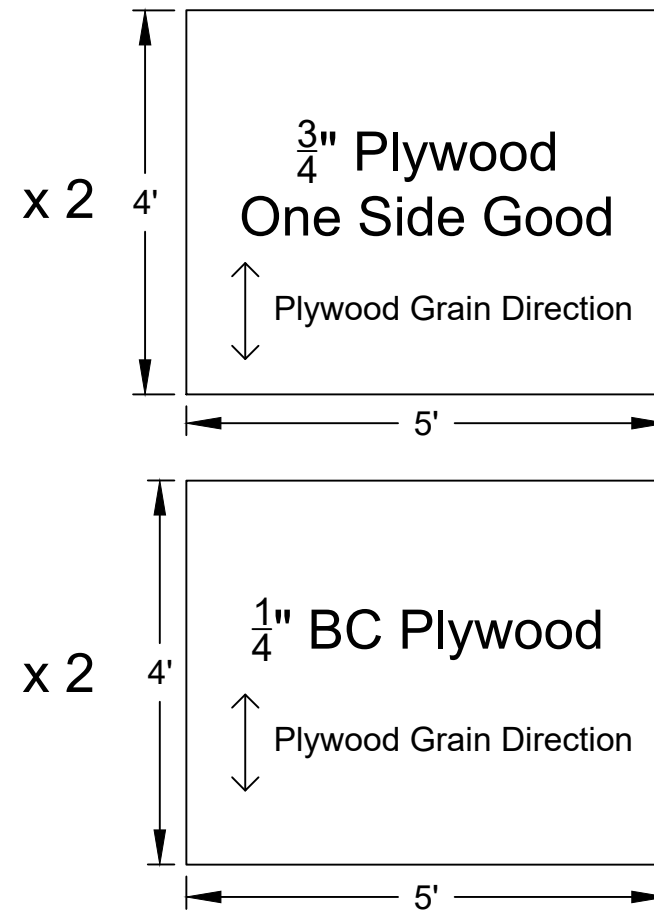
Top View: Top Platform

Scale: 1" = 1'



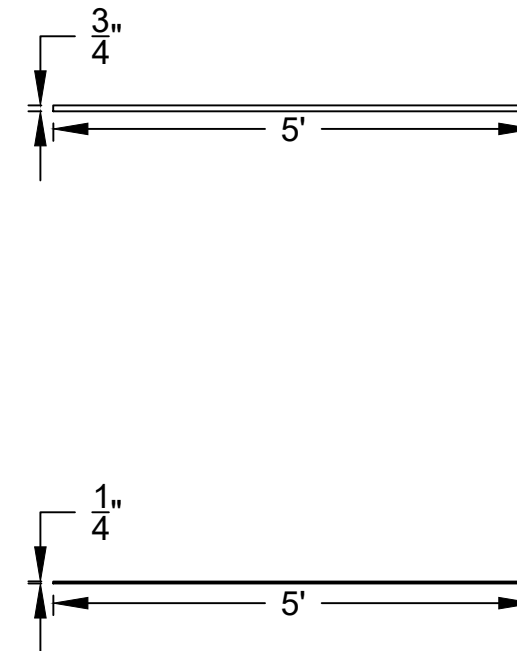
Top View: Top Coverings

Scale: 1/2" = 1'



Front View: Top Coverings

Scale: 1/2" = 1'



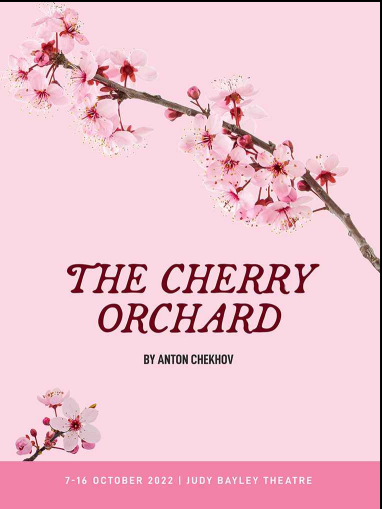
Notes:

2 platforms to build

Platforms are Stressed Skinned

Cut list is for 2 platforms

Coverings are glue and screwed down



Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

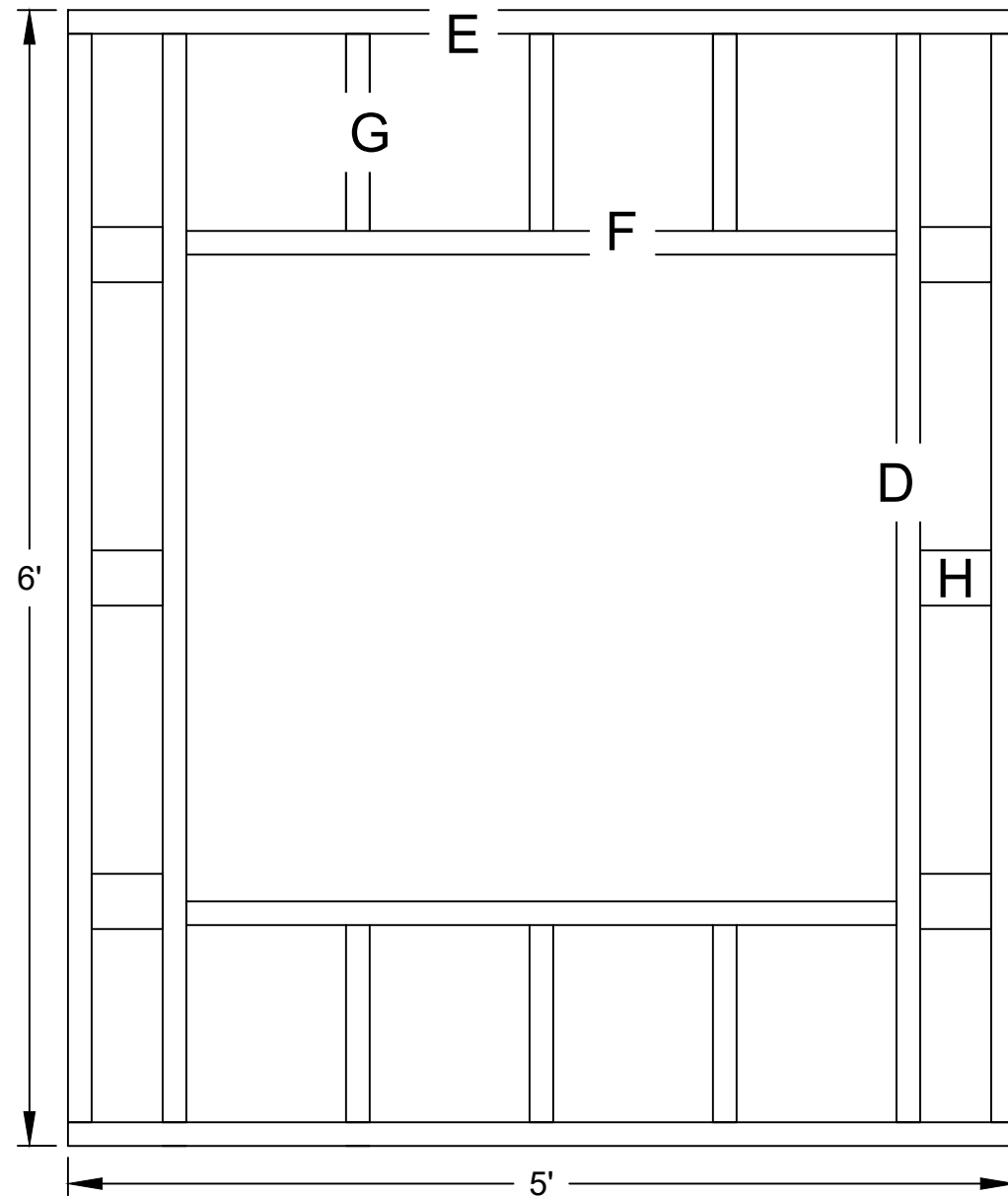
Notes:

Drawing:
**Door Unit
 Top Platform
 Coverings**

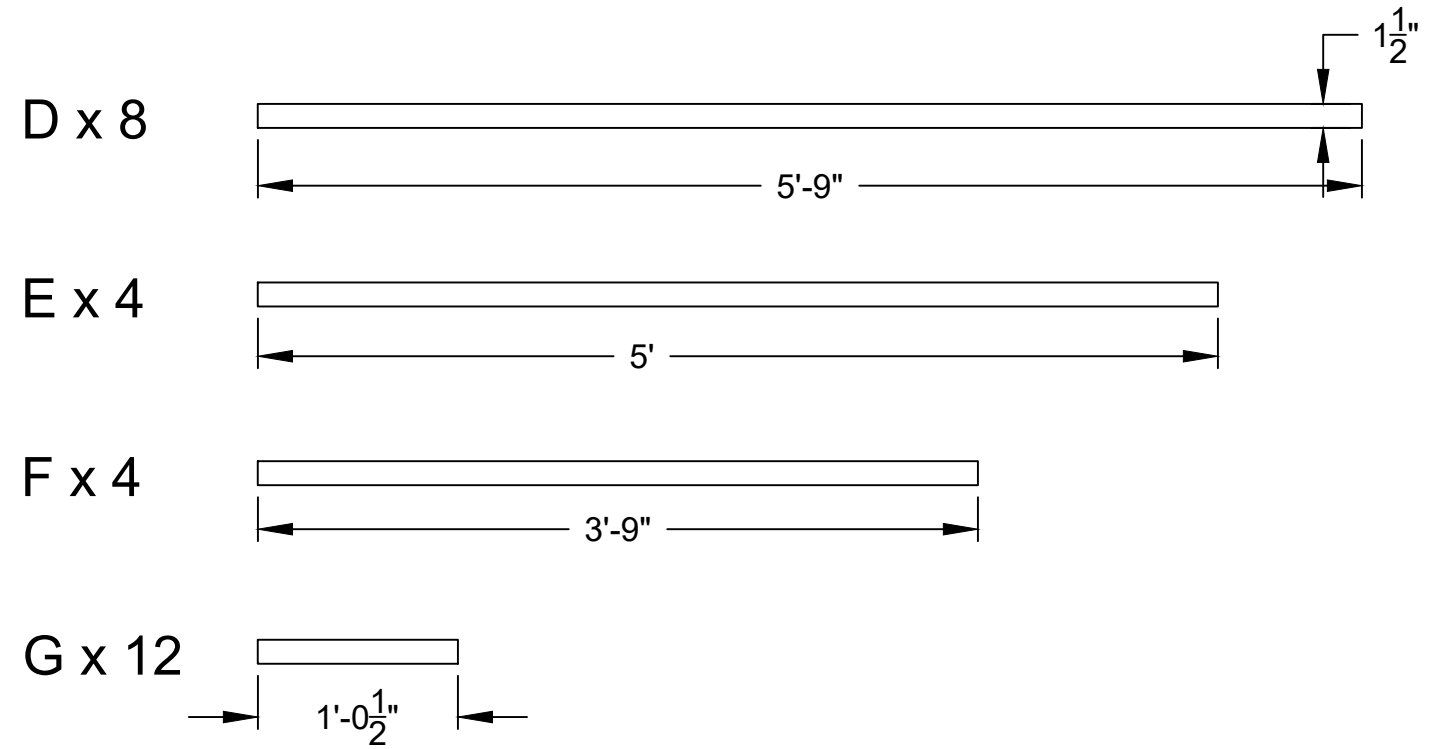
Plate Number:
C9

Top View: Bottom Platform

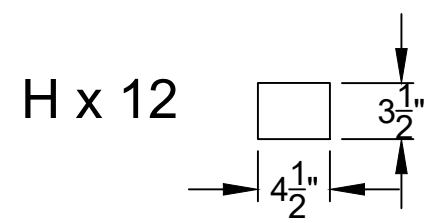
(Covering Not Shown)



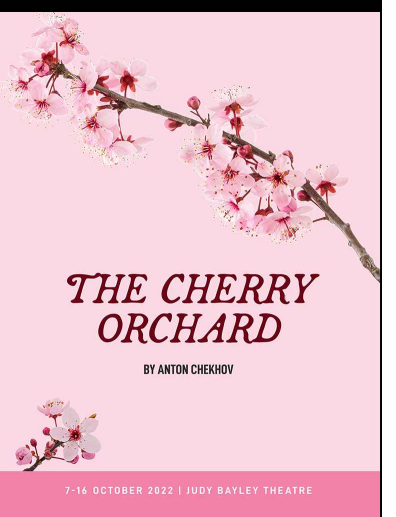
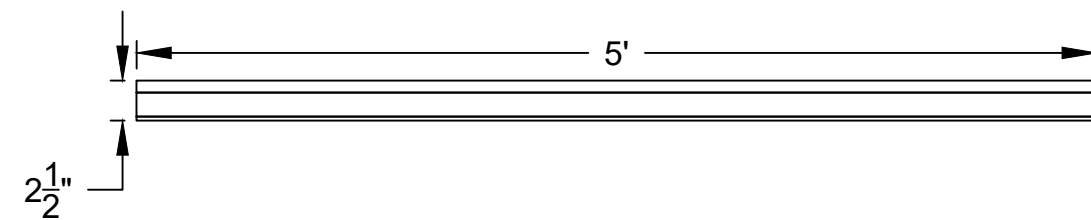
Top View: 2x2 Cut List



Top View: 2x4 Cut List



Front View: Bottom Platform



Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	1" = 1'
Date:	8/22/2022

Notes:

- 2 platforms to build
- Platforms are Partial Stressed Skinned (coverings do not extend over entire frame)
- Cut list is for 2 units
- All cuts are on face of lumber

Drawing:

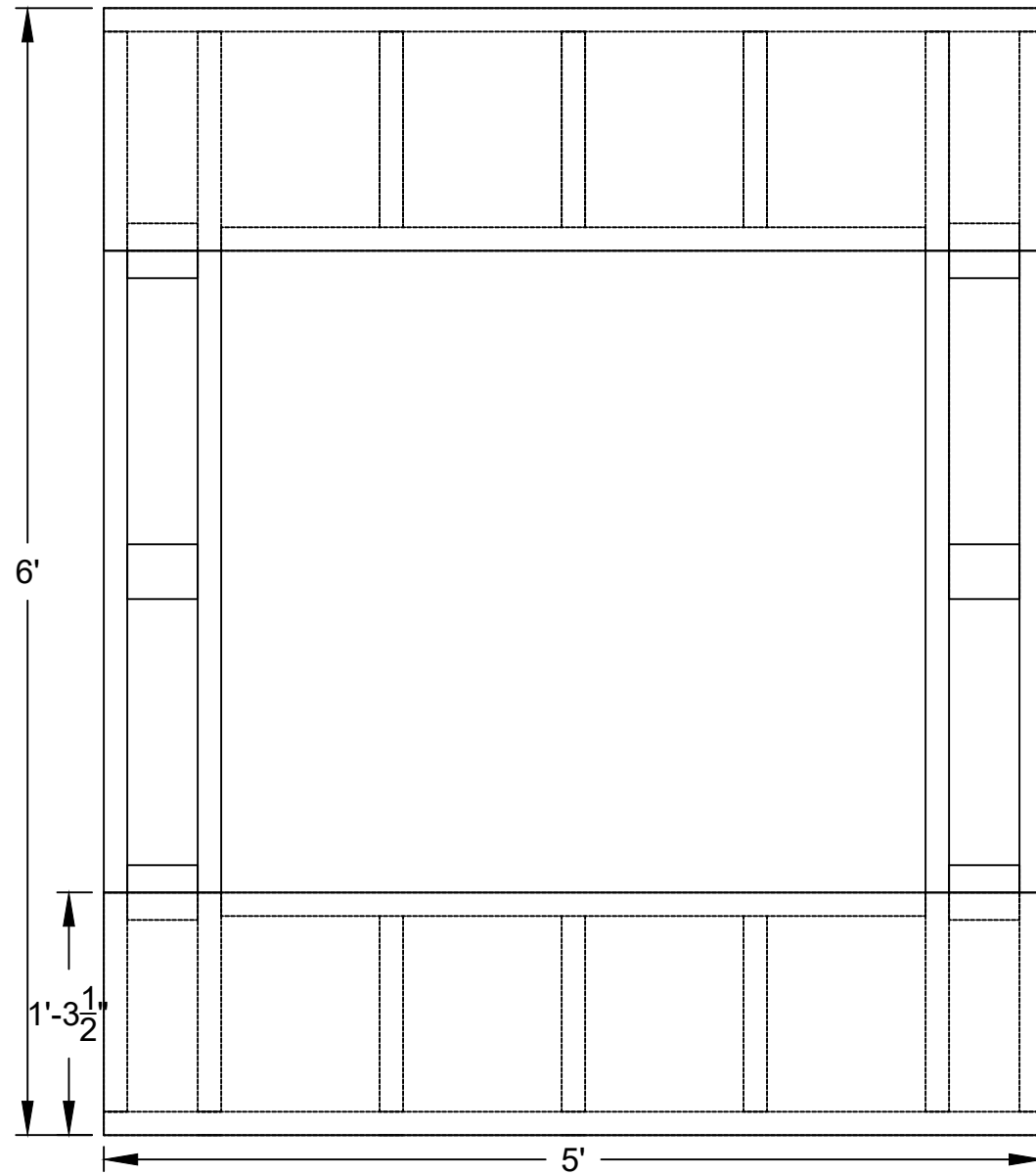
Door Unit
Bottom Platform
Cut List

Plate Number:

C11

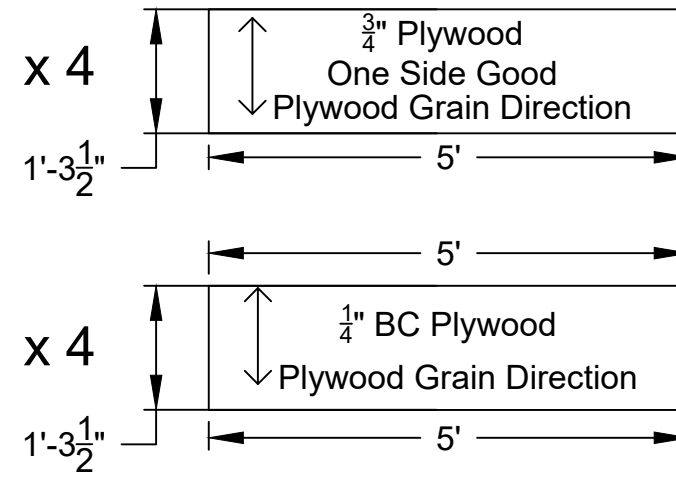
Top View: Bottom Platform

Scale: 1" = 1'



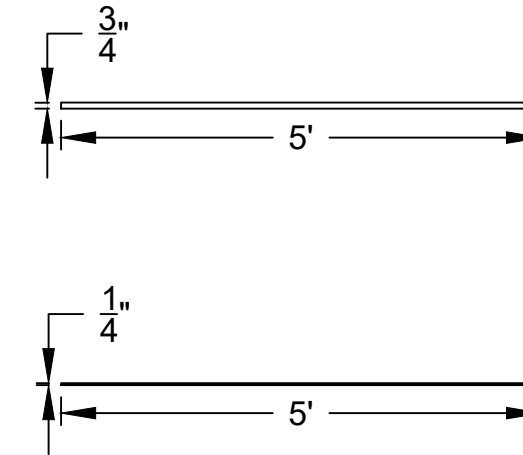
Top View: Coverings

Scale: 1/2" = 1'

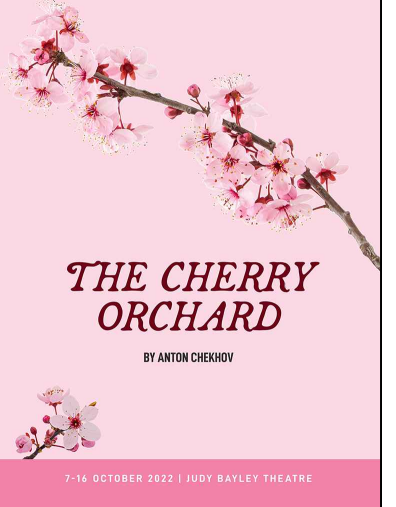
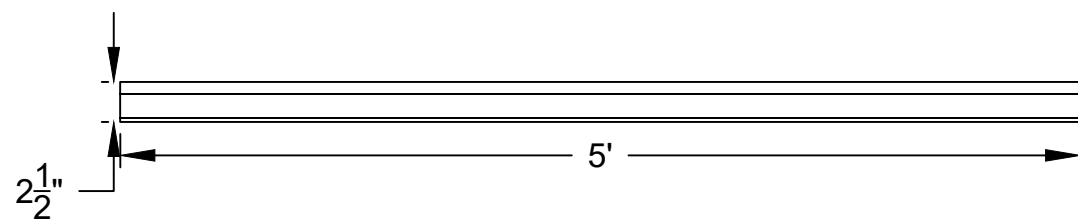


Front View: Coverings

Scale: 1/2" = 1'



Front View: Bottom Platform



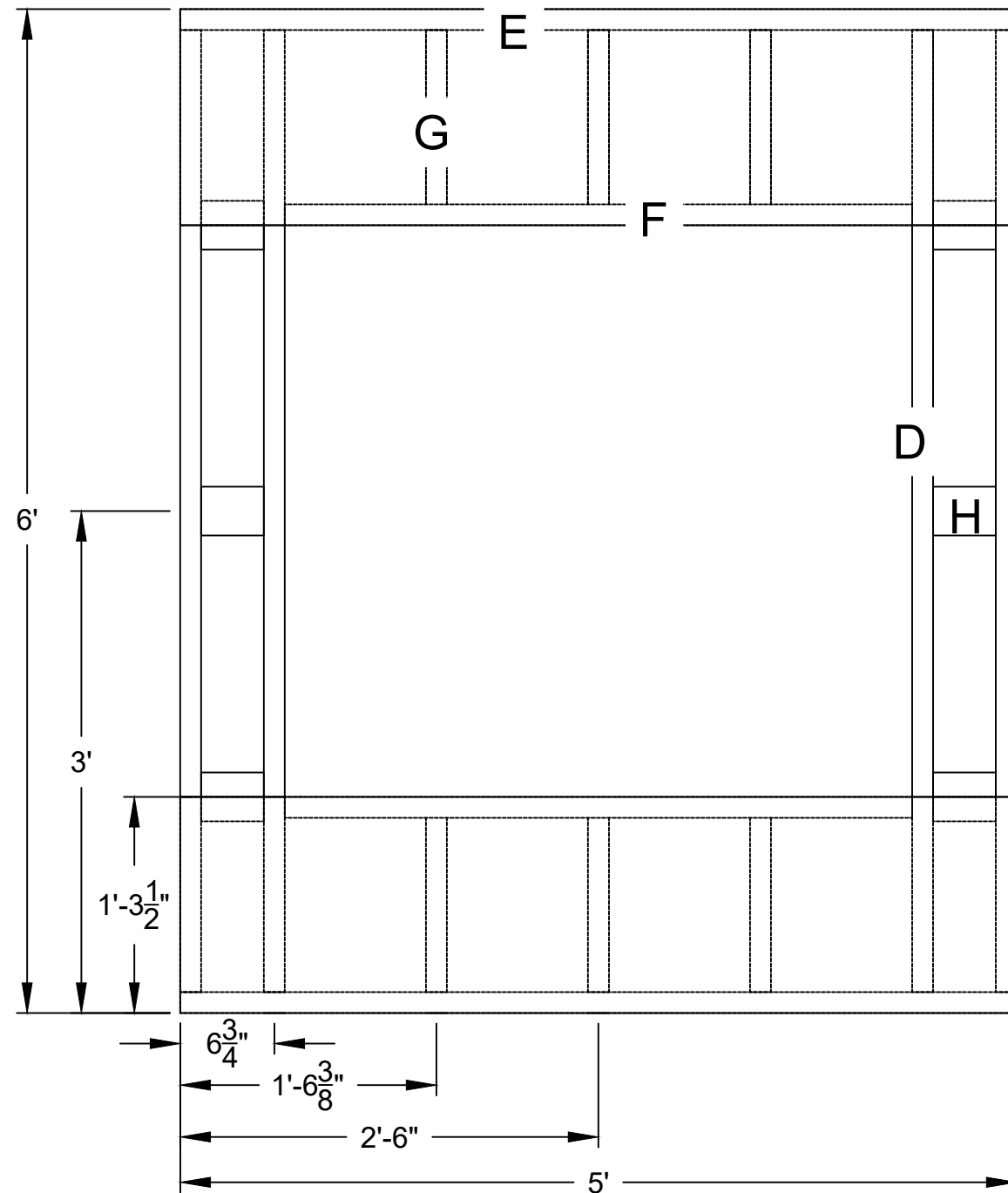
Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	As Noted
Date:	8/22/2022

Notes:
 2 platforms to build
 Platforms are Partial Stressed Skinned (coverings do not extend over entire frame)
 Cut list is for 2 platforms

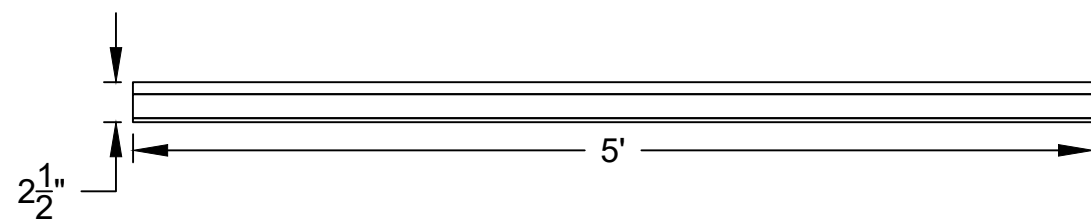
Drawing:
 Door Unit
 Bottom Platform
 Coverings

Plate Number:
 C12

Top View: Bottom Platform



Front View: Bottom Platform



Notes:

2 platforms to build

Platforms are Stressed Skinned

All joints glued and screwed

Predrill for all screws

Pocket hole screw in areas where cannot screw through edge of material

Coverings are glue and screwed down

Good side of plywood faces up

nct



THE CHERRY ORCHARD

BY ANTON CHEKHOV

7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director: Michael Lugerling

Scenic Designer: Dana Moran Williams

Technical Director: Timothy Simon

Drafted By: Timothy Simon

Scale: 1" = 1'

Date: 8/22/2022

Notes:

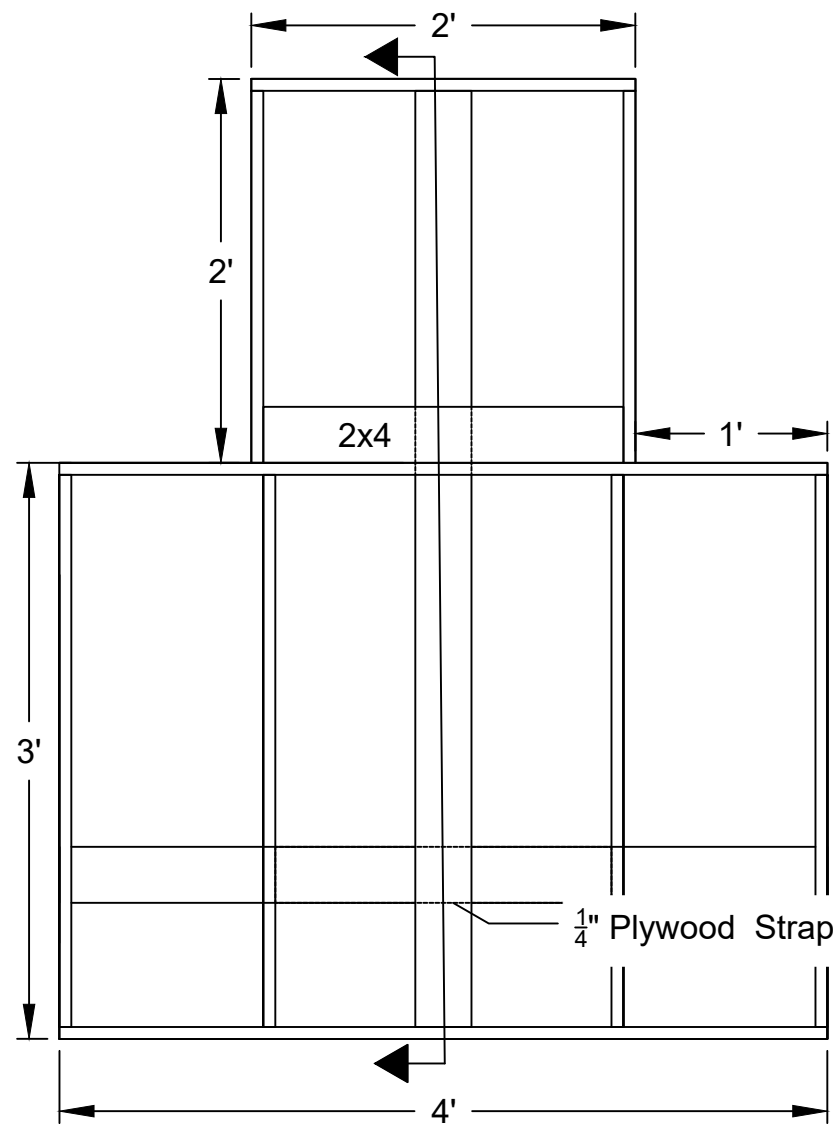
Drawing:
Door Unit
Bottom Platform
Assembly

Plate
Number:

C13

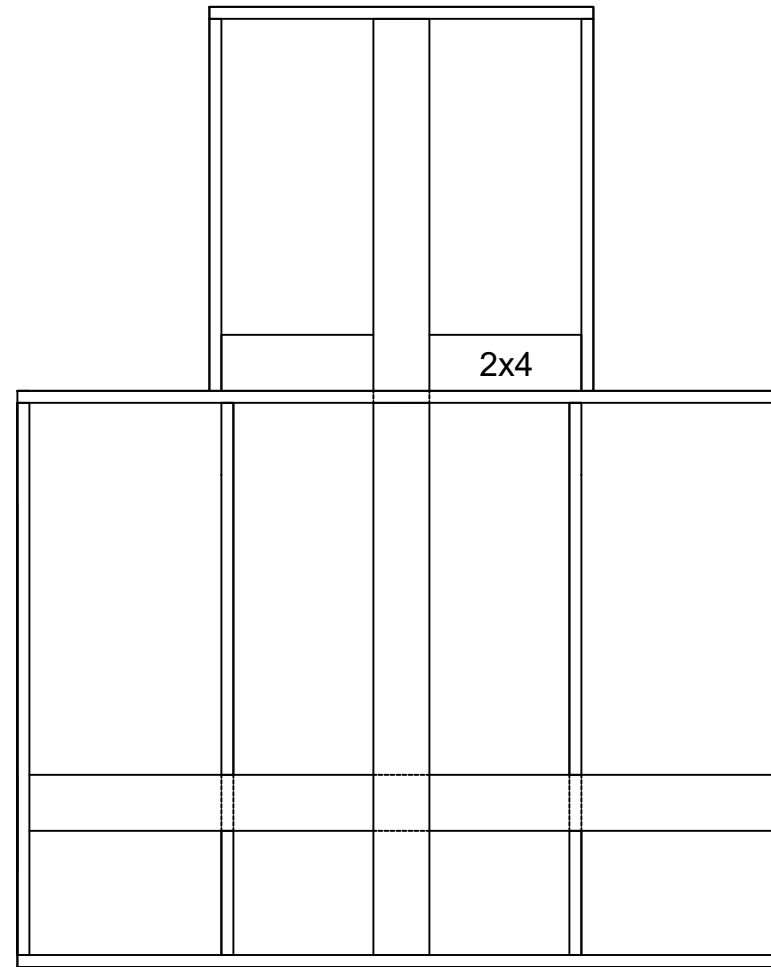
Front View: Side Flat

(Facing not shown)

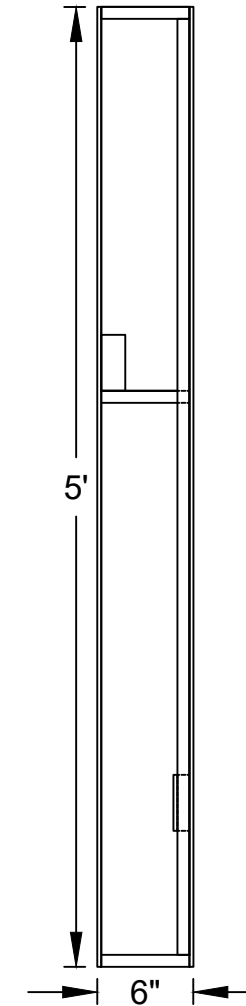


Back View: Side Flat

(Facing not shown)



Section View: Side Flat



Notes:

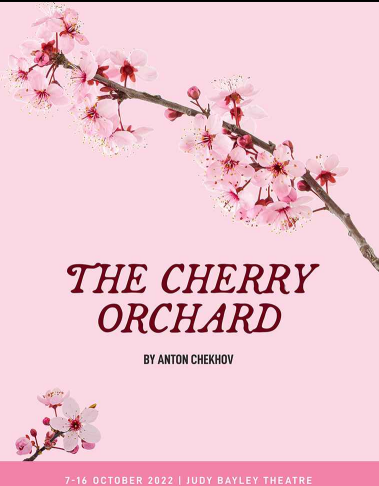
4 side flats to build, all are the same

1x6 Hollywood flat with 1x4 on face to allow for attachment to door unit platform/flat

2x4 flushed to front to allow for attachment of push/pull bar

Access door to be added on upstage side for air system access, exact size and placement TBD

Switch for air system to be installed on unit for actor/crew to use during performances, exact location TBD



Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	1" = 1'
Date:	8/22/2022

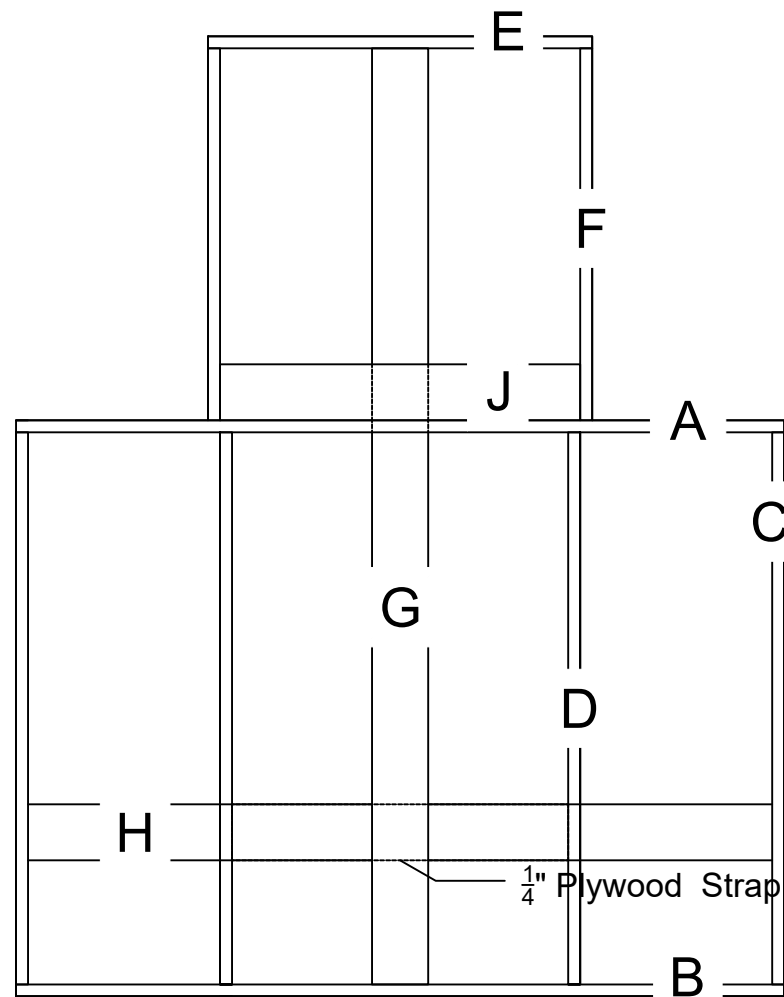
Notes:

Drawing:
**Door Unit
Side Flats
Overview**

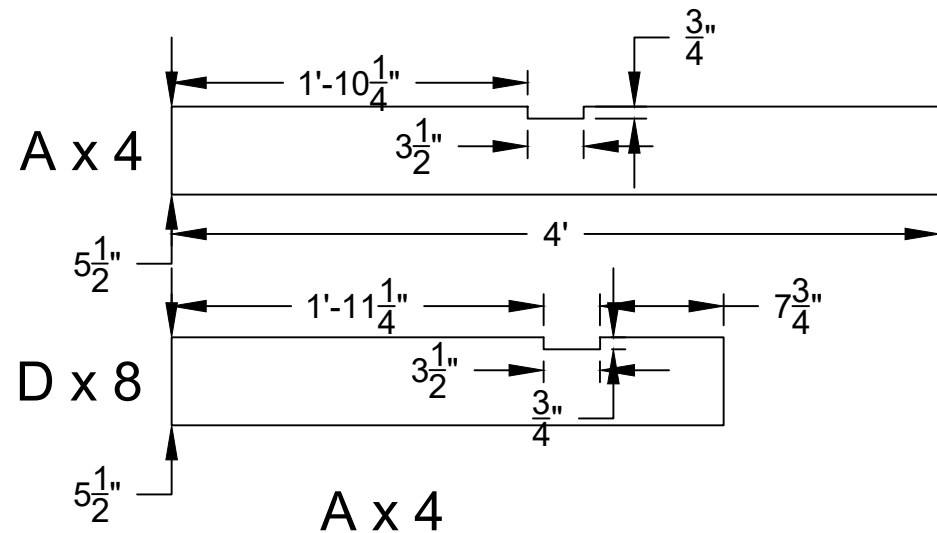
Plate Number:
C14

Front View: Side Flat

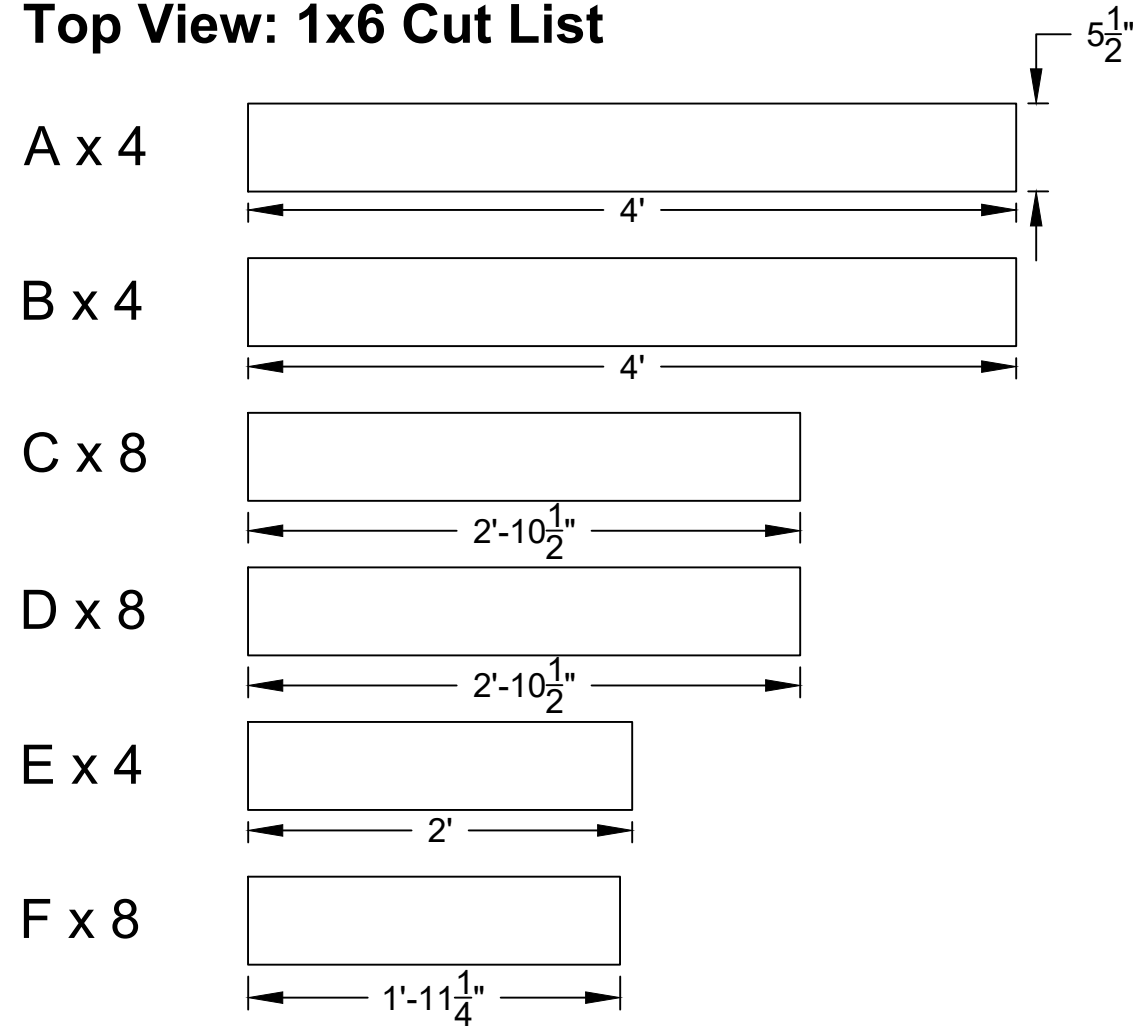
(Facing not shown)



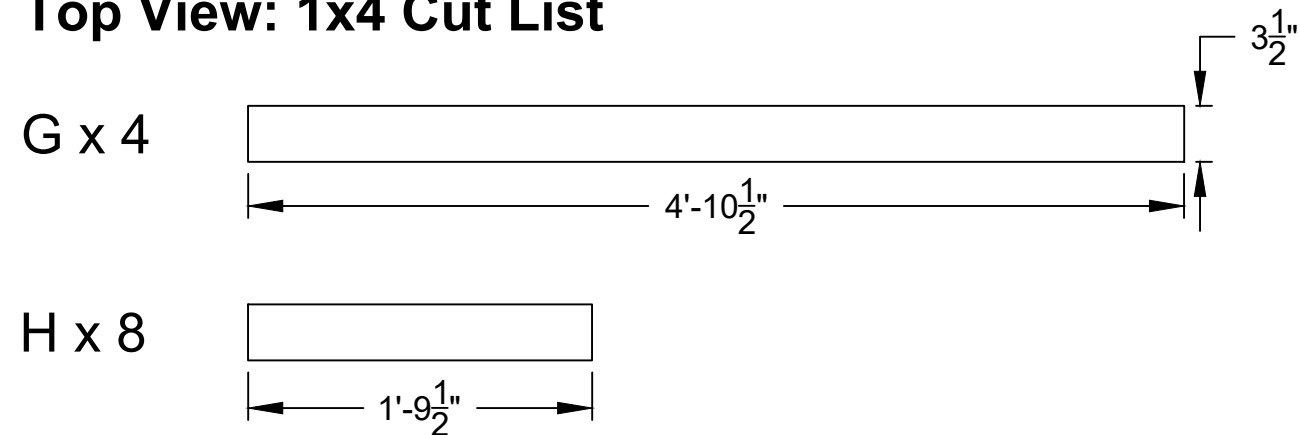
Side View: 1x6 Pieces to Notch



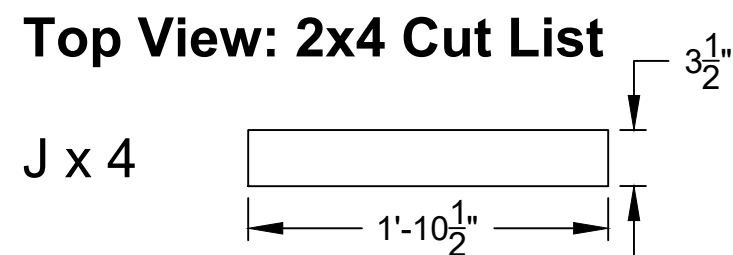
Top View: 1x6 Cut List



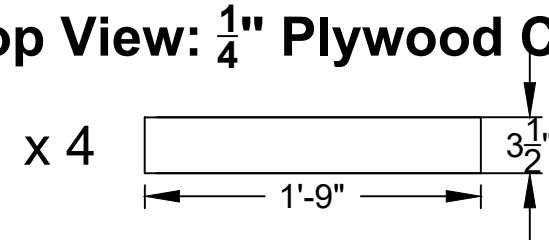
Top View: 1x4 Cut List



Top View: 2x4 Cut List



Top View: 1/4 inch Plywood Cut List



THE CHERRY ORCHARD

BY ANTON CHEKHOV

7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	1" = 1'
Date:	8/22/2022

Notes:
4 sides to build

Cut list counts is for all units to build

Pieces A and D have notch for 1x4 to fit in

1/4 Plywood strap for where 1x4 pieces joint is

All cuts are on face of lumber

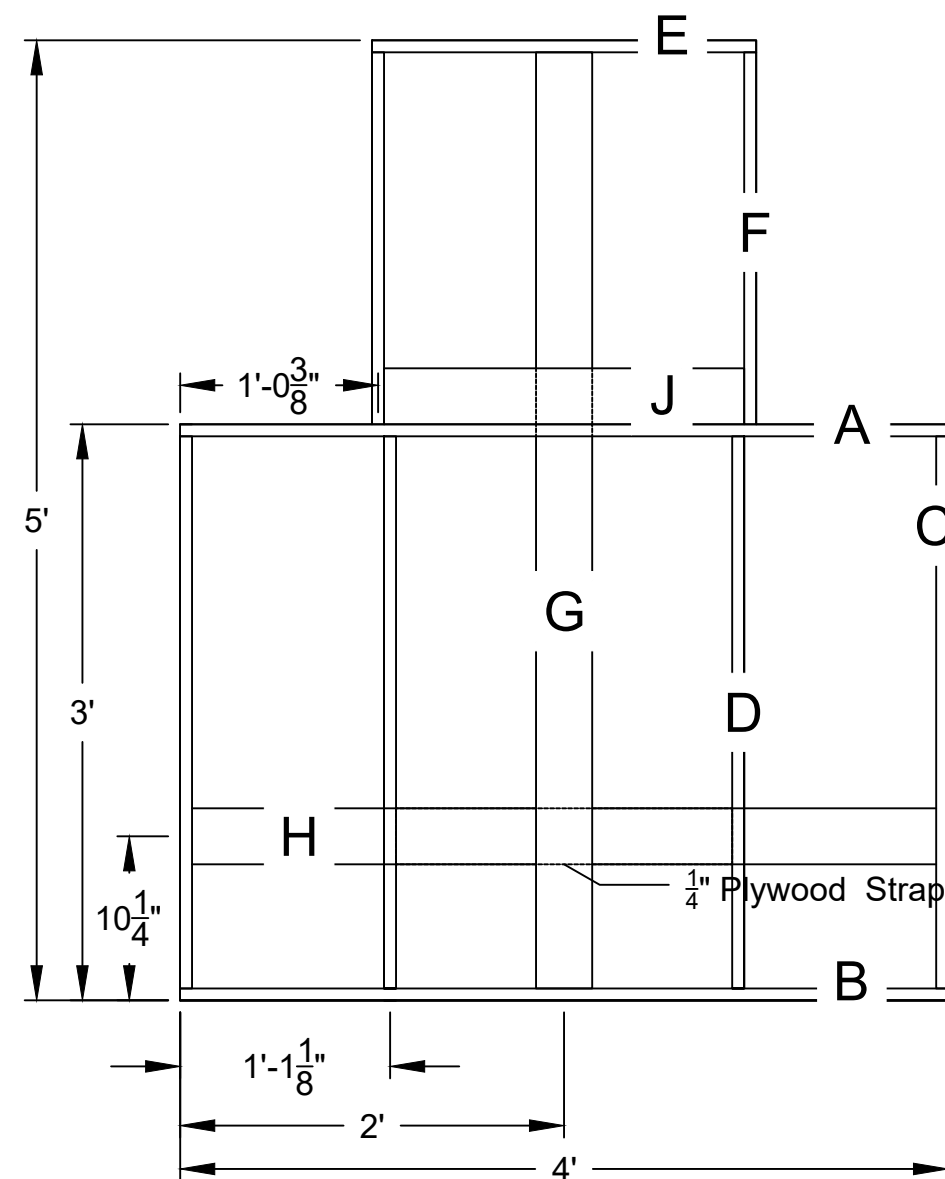
Drawing:
Door Unit
Side Flats
Cut List

Plate Number:

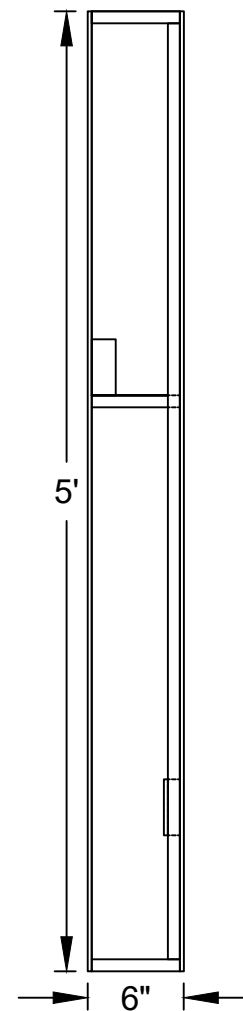
C15

Front View: Side Flat

(Facing not shown)



Section View: Side Flat



Notes:

4 sides to build

Glue and NC staple all 1x joints

2x4 is installed with glue and nails

$\frac{1}{4}$ " Plywood strap is glued and NC staple

Test fit notch size cut in pieces A and D before installing

2x4 flushed to front to allow for attachment of push/pull bar

Access door to be added on upstage side for air system access, exact size and placement TBD

Switch for air system to be installed on unit for actor/crew to use during performances, exact location TBD

Only face back side of flat before install

Inside facing to be modified as needed after install to allow air system parts to pass through

Once installed on door unit and air system installed and tested, other side facing can be installed

nct



THE CHERRY ORCHARD

BY ANTON CHEKHOV

7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director: Michael Lugerling

Scenic Designer: Dana Moran Williams

Technical Director: Timothy Simon

Drafted By: Timothy Simon

Scale: 1" = 1'

Date: 8/22/2022

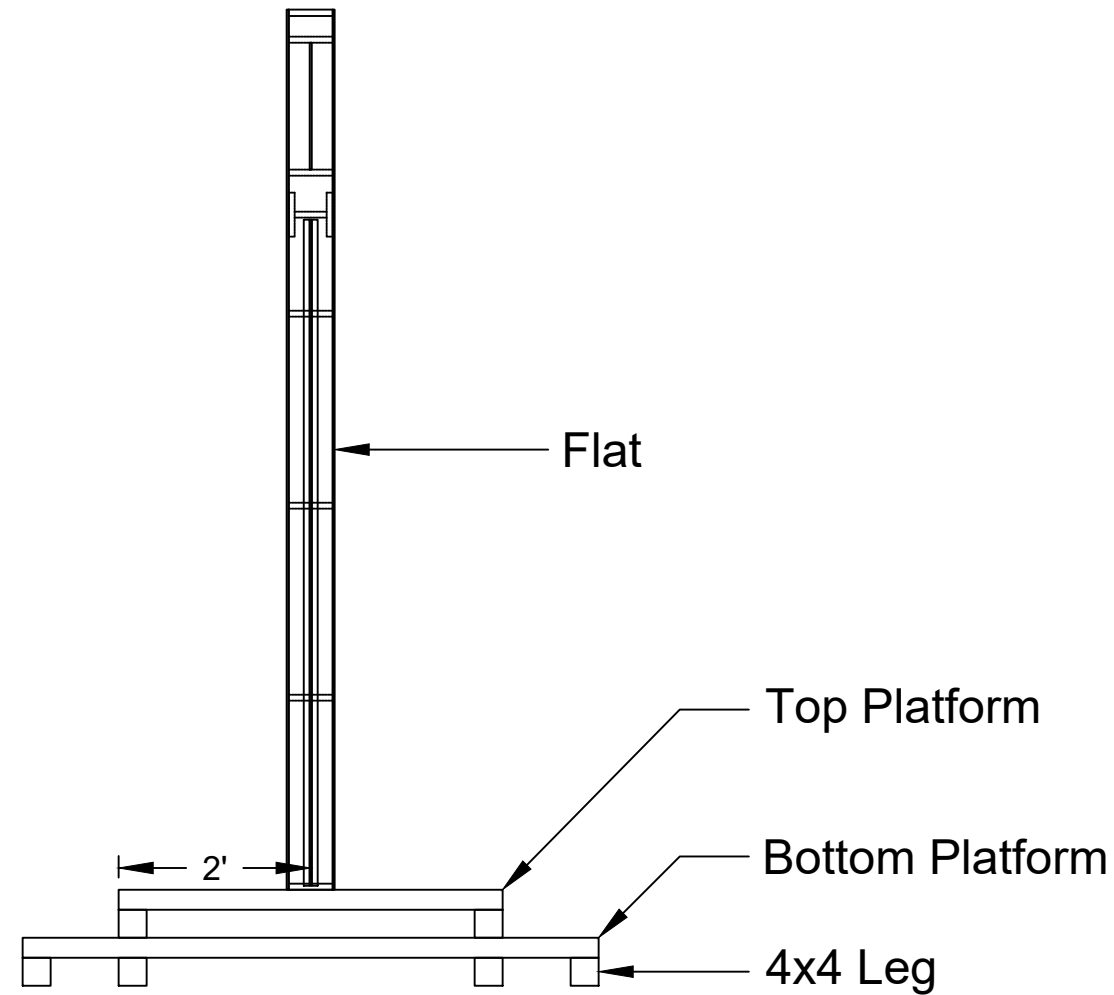
Notes:

Drawing:
Door Unit
Side Flats
Assembly

Plate
Number:

C16

Section View: Door Unit



Notes:

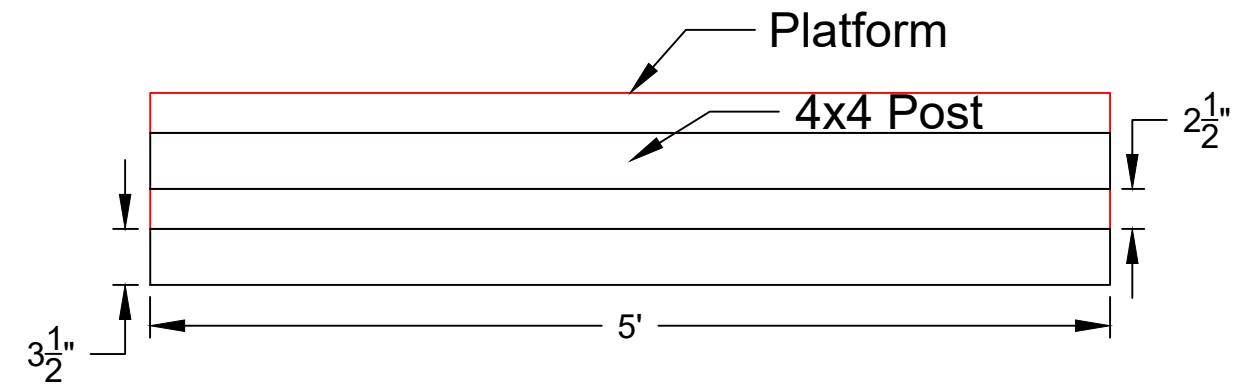
2 units to build

Flats are lagged down to top platform

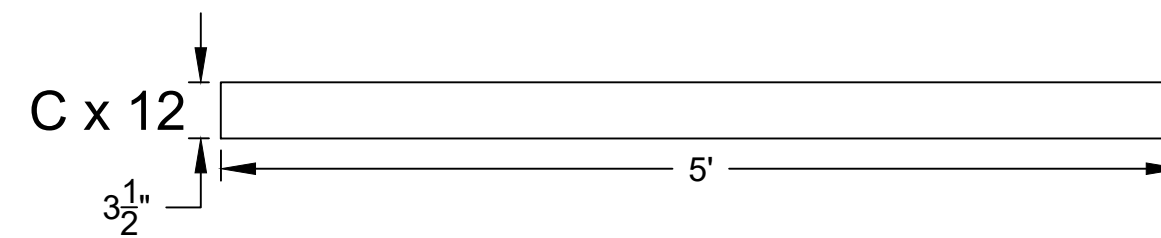
Platforms are glued and screwed to 4x4 leg

Once flat installed last pieces of facing can be installed

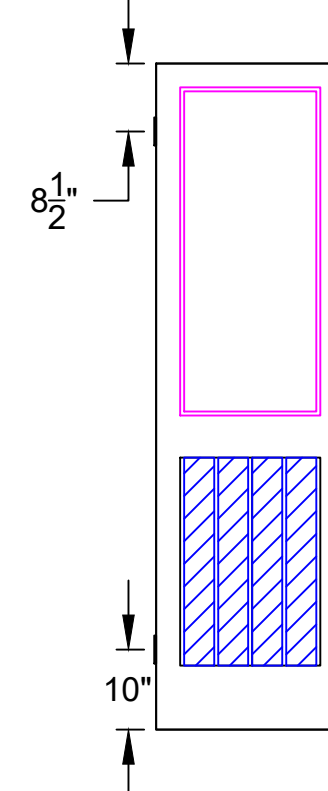
Front View: Platform Assembly



Front View: Cut List



Front View: Door Hardware Location

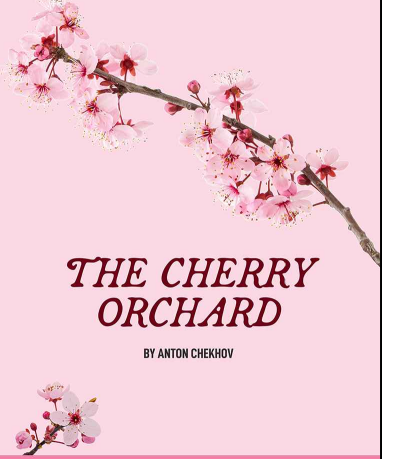


Door Hardware Notes:

Hinges may be mortised into door and frame - TBD

Location for handles and ball catches TBD based of hardware chosen

nct



THE CHERRY ORCHARD
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7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

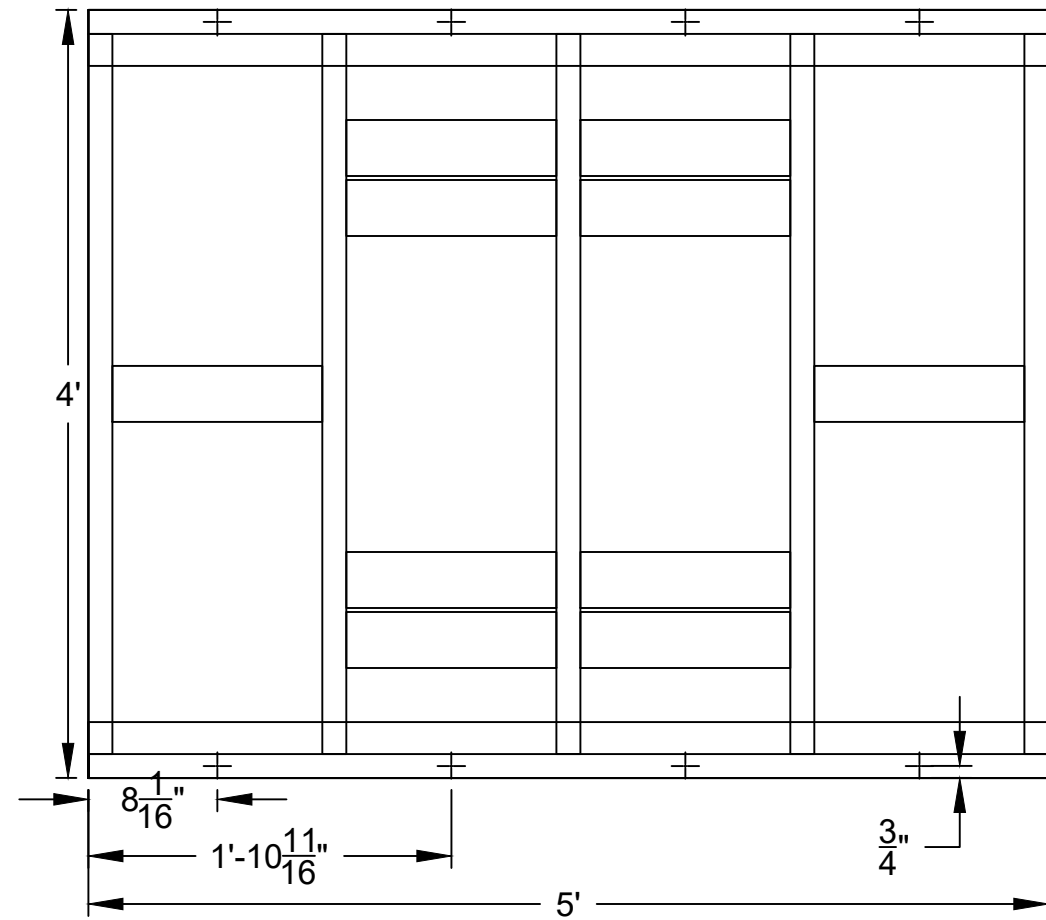
Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	1" = 1'
Date:	8/22/2022

Notes:

Drawing:
**Door Unit
Whole Unit Assembly
Leg Cut List**

Plate Number:
C17

Top View: Top Platform 4x4 Attachment



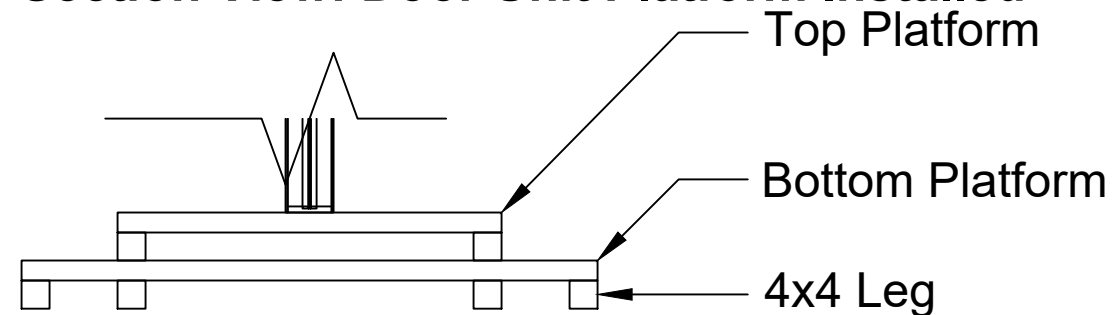
Top Platform Install Notes:

Top platform is glued and screwed to 4x4 leg through top of platform

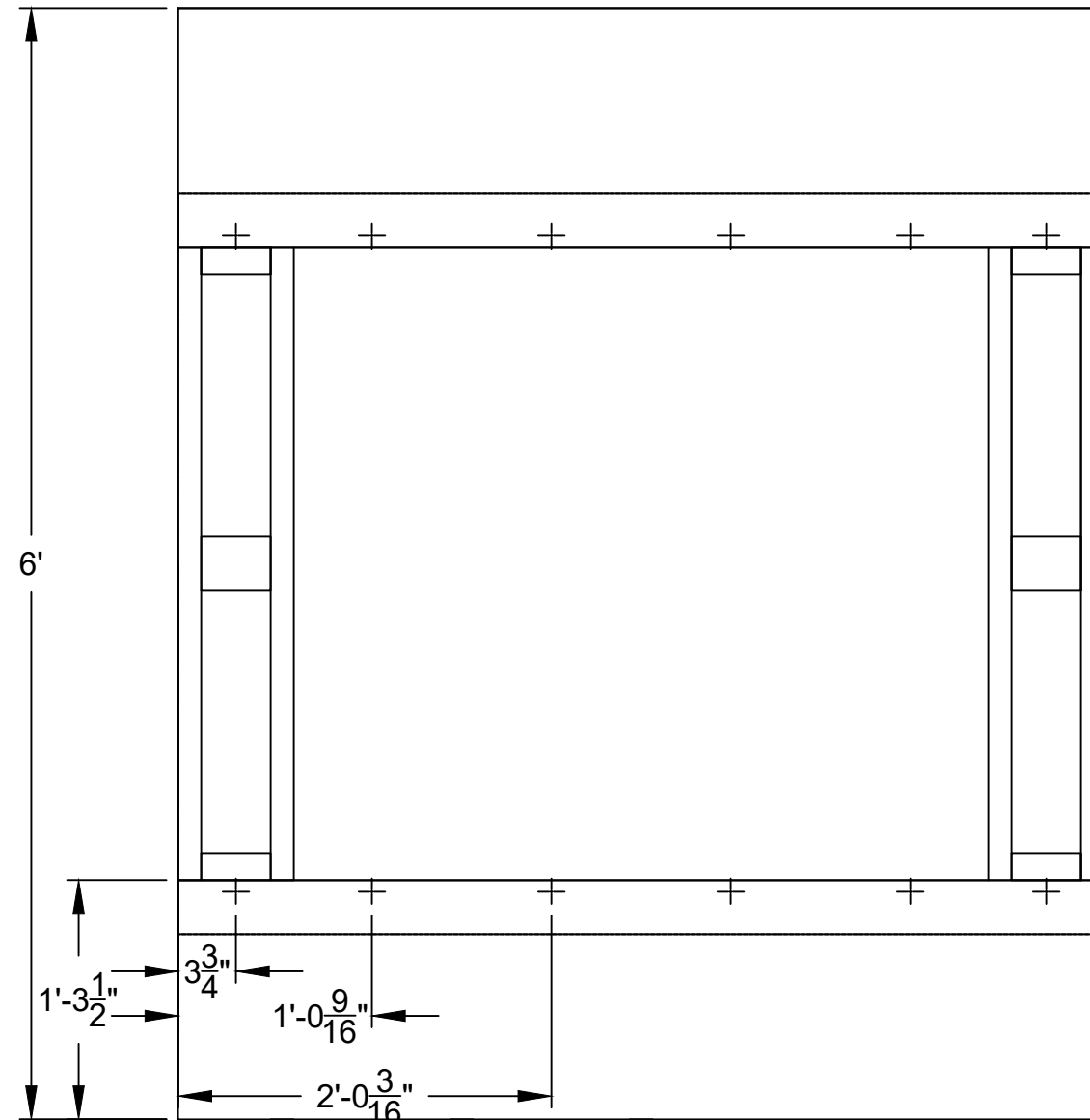
Use 4" wood screws

Marks show screw positions

Section View: Door Unit Platform Installed



Bottom View: Bottom Platform 4x4 Attachment

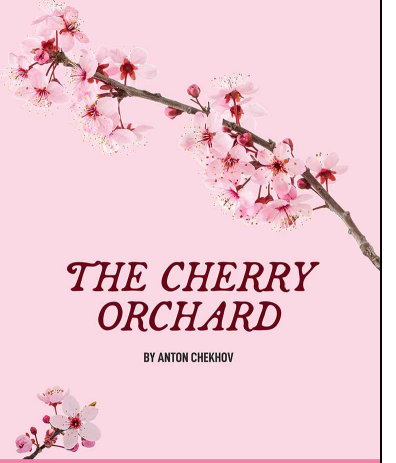


Bottom Platform Install Notes:

Bottom platform is glued and screwed to 4x4 leg through bottom of platform

Use 4" wood screws

Marks show screw positions



7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director: Michael Lugering

Scenic Designer: Dana Moran Williams

Technical Director: Timothy Simon

Drafted By: Timothy Simon

Scale: 1" = 1'

Date: 8/22/2022

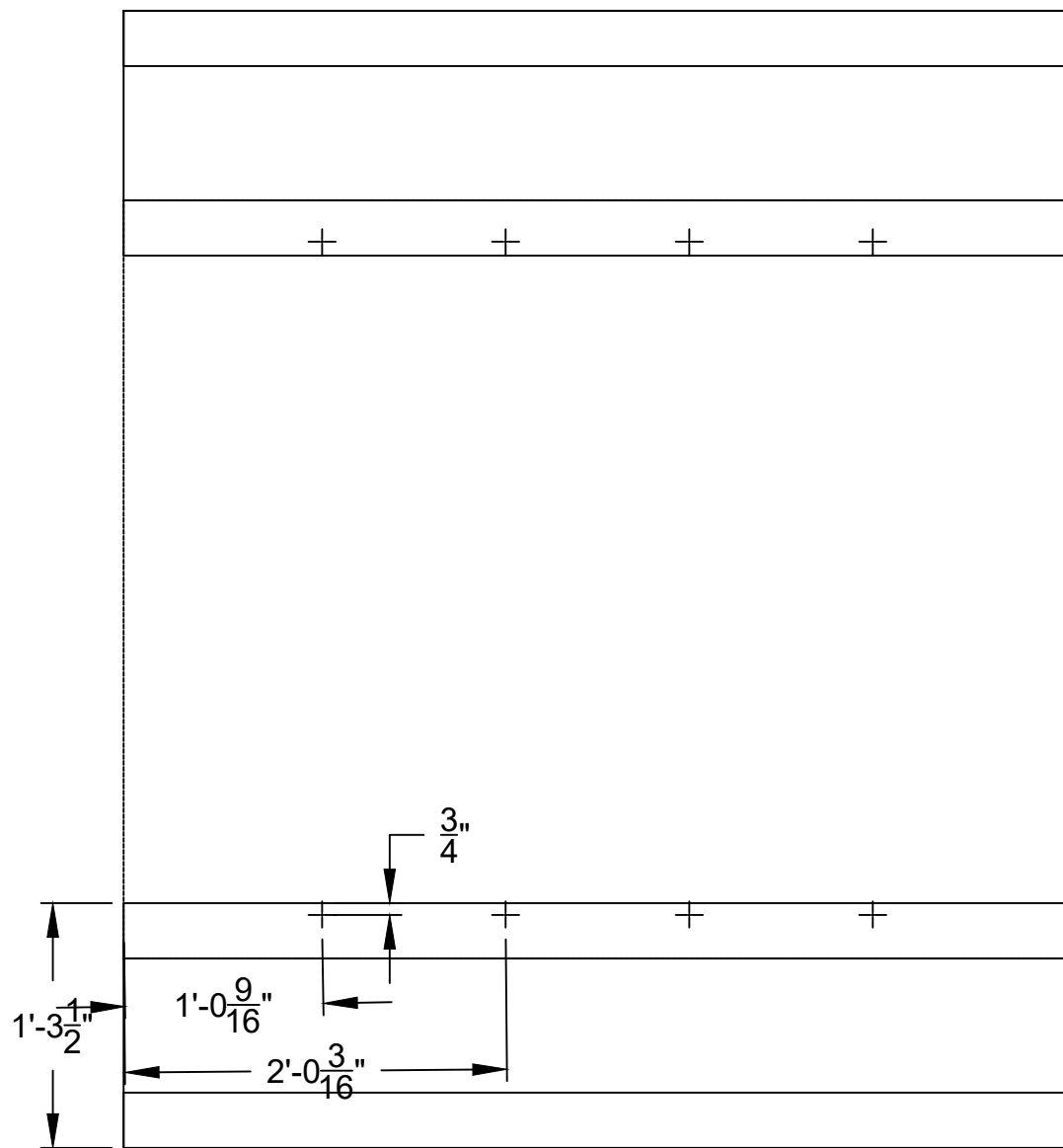
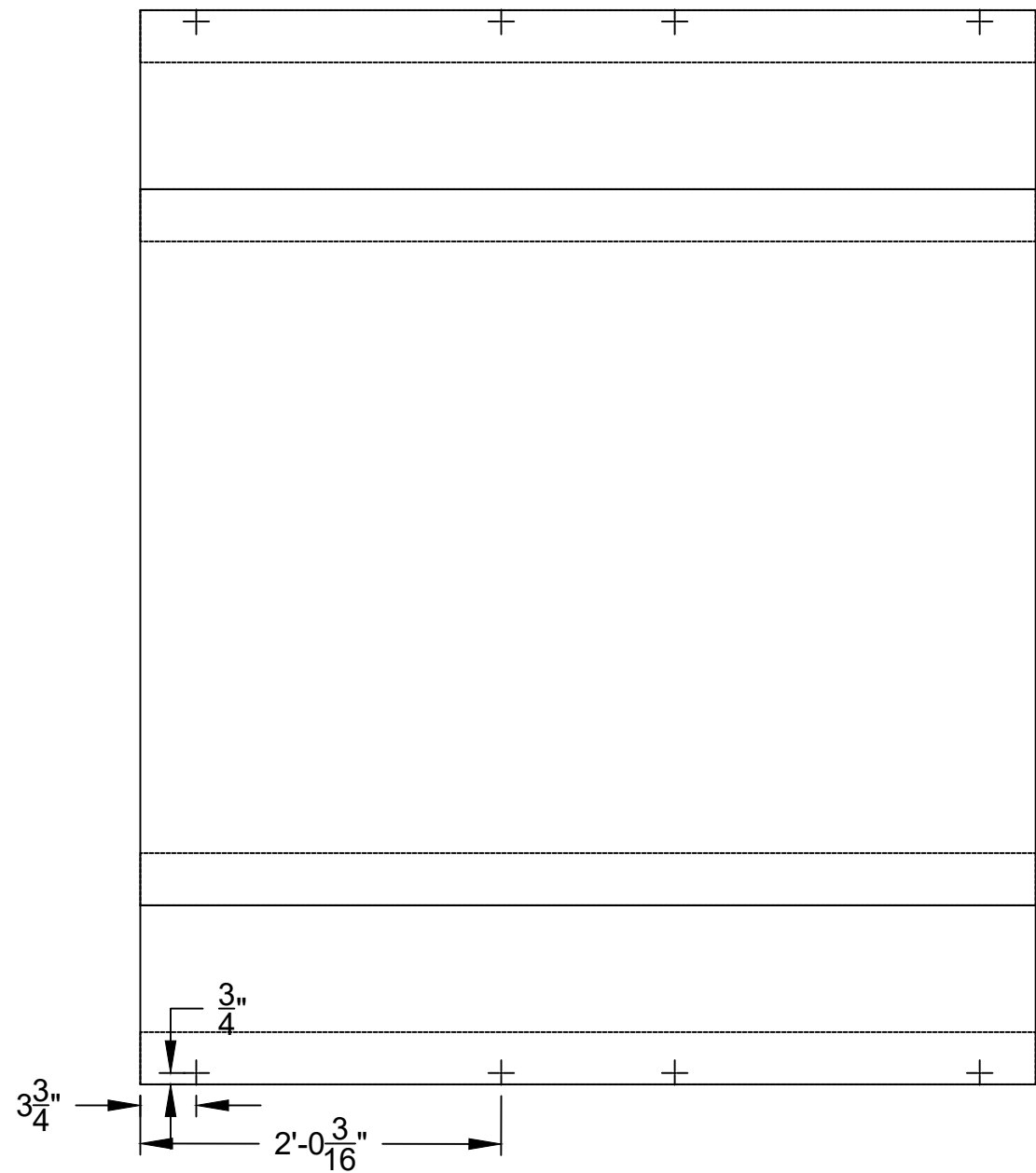
Notes:

Drawing: Door Unit Whole Unit Assembly Top and Bottom Platform

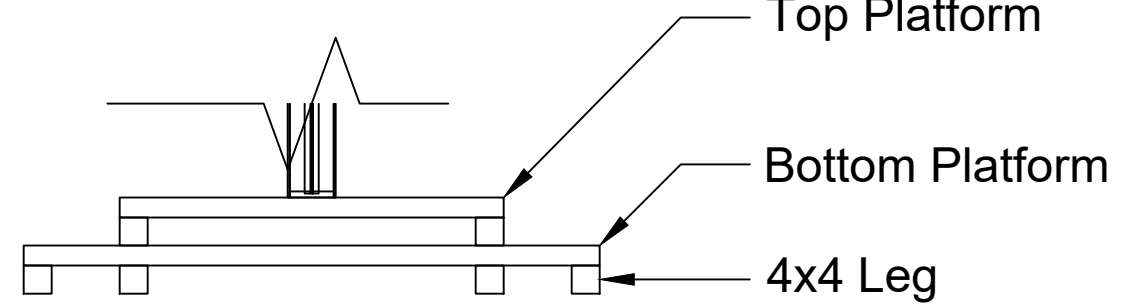
Plate Number: C18

Top View: Bottom Platform 4x4 Attachment

Bottom View: Bottom Platform 4x4 Attachment

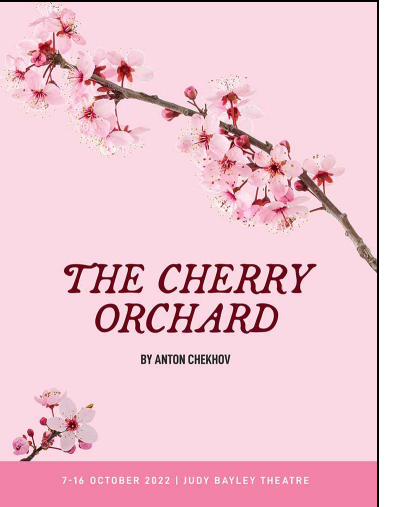


Section View: Door Unit Platform Installed



Bottom Platform Leg Install Notes:

- Bottom platform is glued screwed to 4x4 leg through top of platform for outside legs
- Inside 4x4 leg is attached to bottom platform through 4x4 leg
- Counter sink screws that go through 4x4 leg into platform
- Use 4" wood screws
- Marks show screw positions



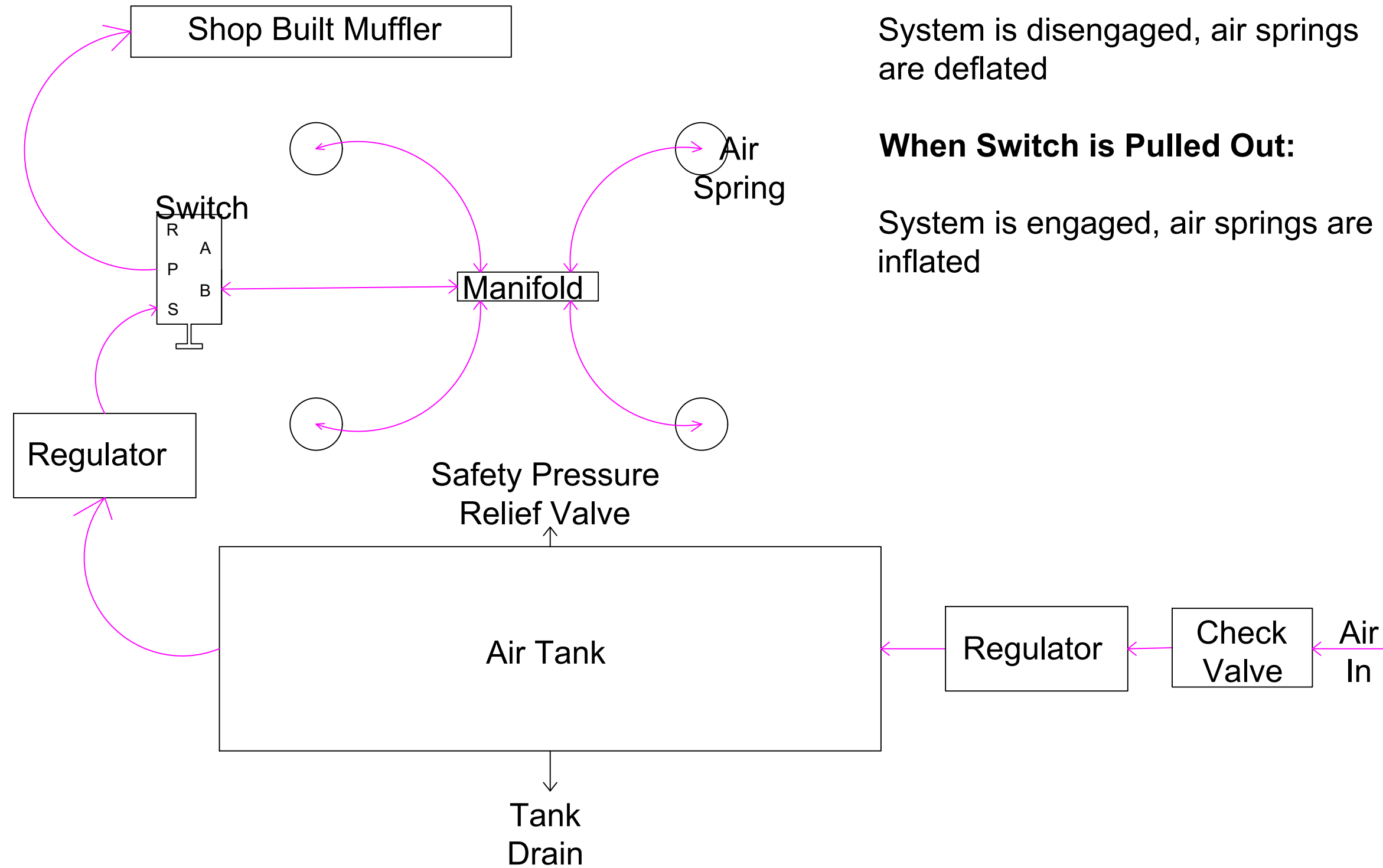
Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	1" = 1'
Date:	8/22/2022

Notes:

Drawing:
 Door Unit
 Whole Unit Assembly
 Bottom Platform Legs

Plate Number:
C19

Schematic: Door Unit Air Caster System

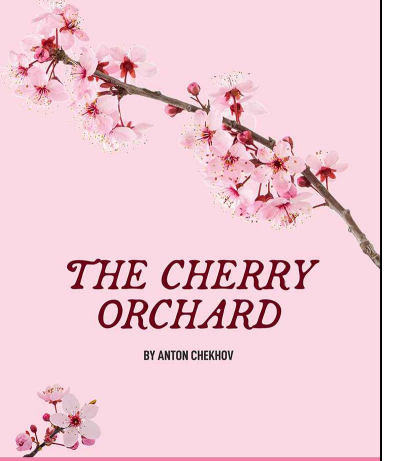


When Switch is Pushed In:

System is disengaged, air springs are deflated

When Switch is Pulled Out:

System is engaged, air springs are inflated



Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	NOT TO SCALE
Date:	8/22/2022
Notes:	For reference only 2 systems to be built Switch mounted for actor/crew use
Drawing:	Door Unit Air Caster System Schematic
Plate Number:	C20



THE CHERRY ORCHARD

BY ANTON CHEKHOV

7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director: Michael Lugering

Scenic Designer: Dana Moran Williams

Technical Director: Timothy Simon

Drafted By: Timothy Simon

Scale: 3" = 1'

Date: 8/22/2022

Notes:

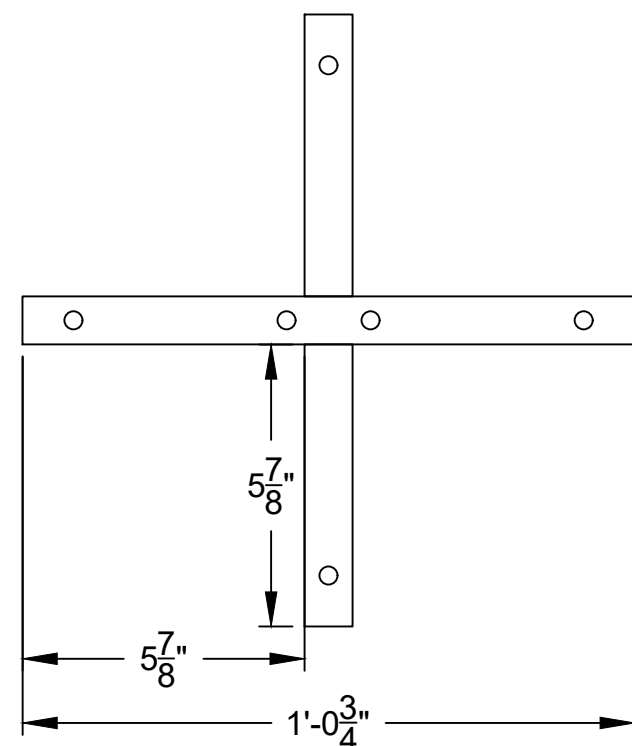
Drawing:

Door Unit
Air Caster System
Swivel Caster Attachment

Plate Number:

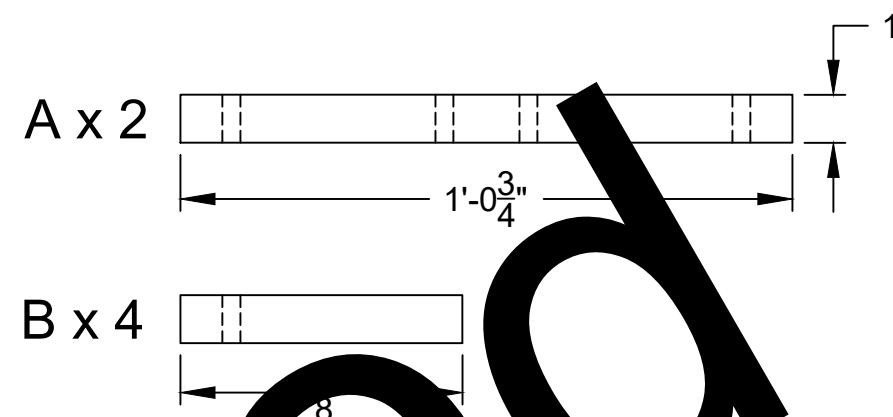
C21

Top View: Swivel Caster Attachment Frame

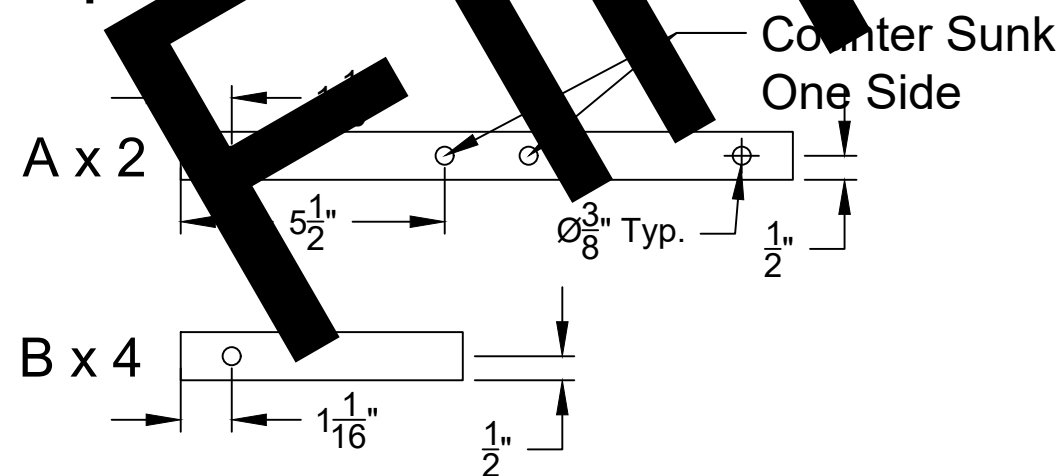


Side View: Cut List

Cut from 1x1x0.065 Steel



Top View: Hole Location



Notes:

- 2 frames to build
- Cut list for 2 frames
- Frames are symmetrical
- Center holes on A are counter sunk on one side to allow for flat head bolt
- Only inside corners are welded

Furnished



Director: Michael Lugering

Scenic Designer: Dana Moran Williams

Technical Director: Timothy Simon

Drafted By: Timothy Simon

Scale: 1" = 1'

Date: 8/22/2022

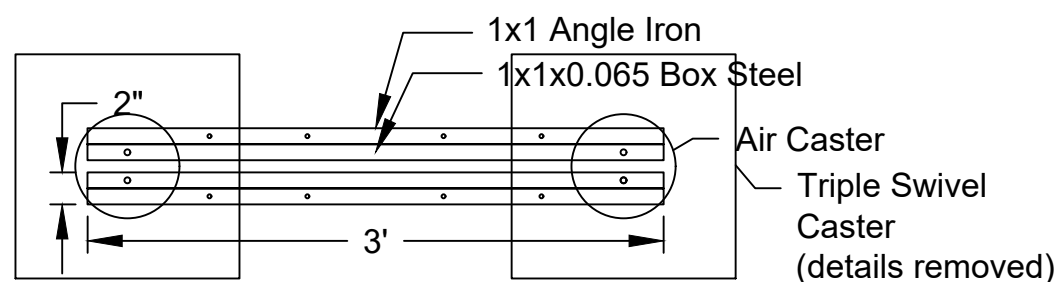
Notes:

Drawing:
 Door Unit
 Air Caster System
 Air Caster Frame

Plate Number:

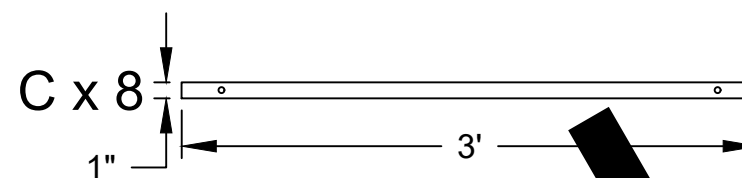
C22

Top View: Air Caster Frame



Top View: Cut List

Cut from 1x1x0.065 Steel

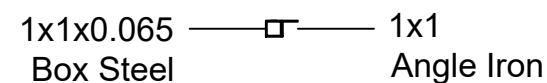


Top View: Cut List

Cut from 1x1 Angle Iron

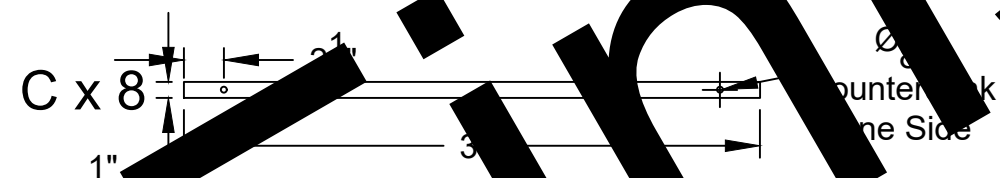


Side View: Box Steel/Angle Iron



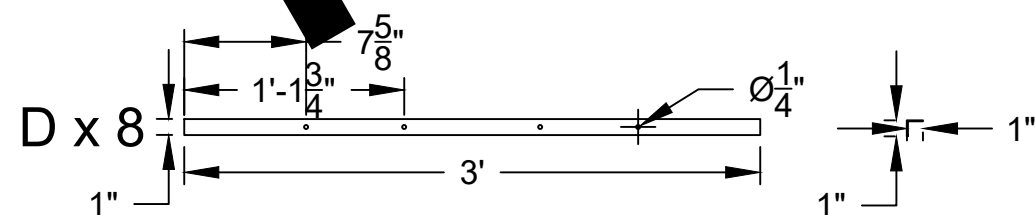
Top View: Hole Locations

Holes in 1x1x0.065 Steel

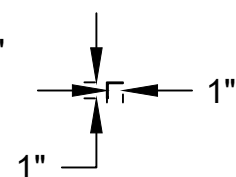


Top View: Cut List

Cut from 1x1 Angle Iron



Side View: 1x1 Angle Iron

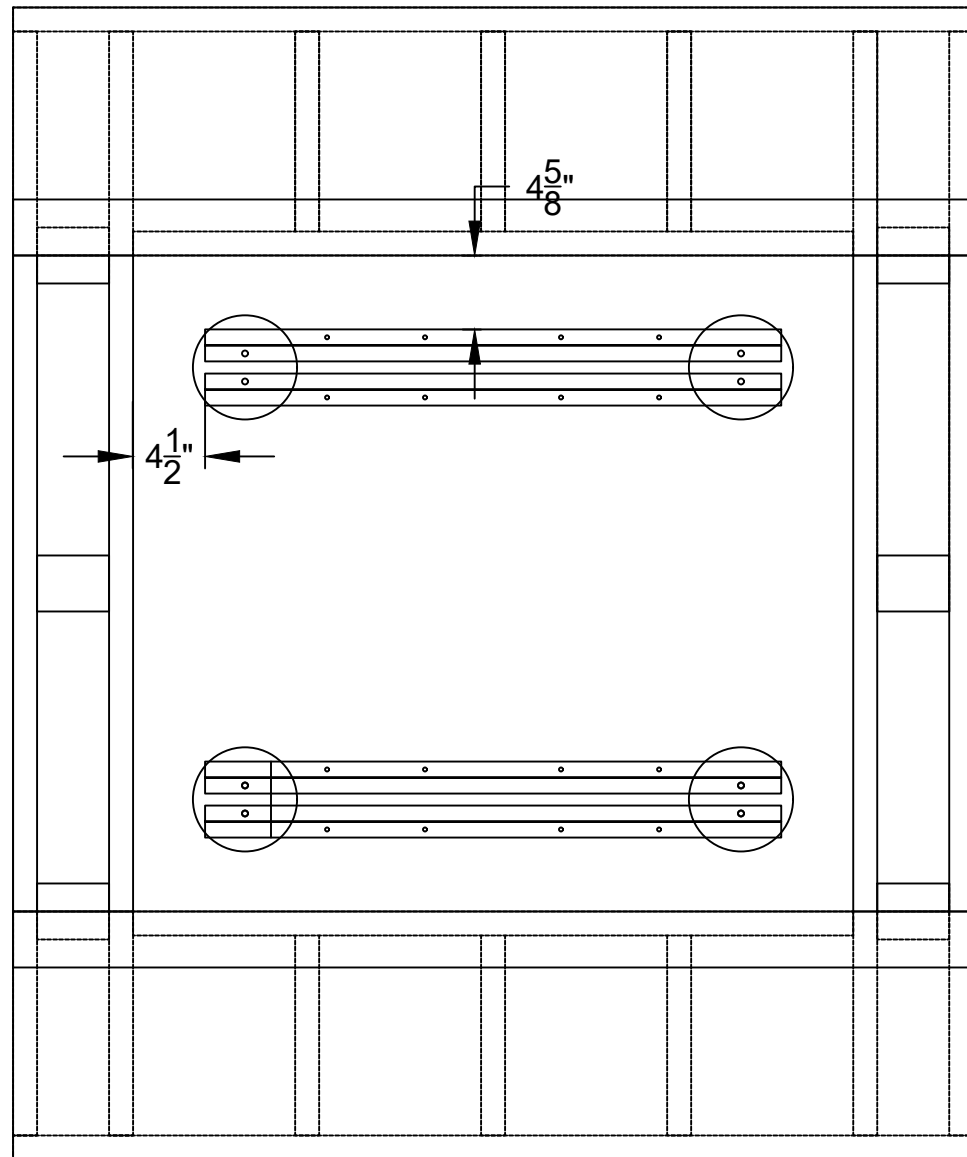


Notes:

- Four full assemblies needed
- Cut list counts for all assemblies to build
- Angle iron is welded to 1x1x0.065 box tube
- 3/8" dia. holes are countersunk

Finished

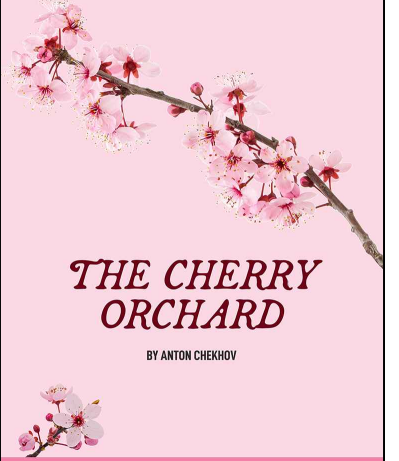
Top View: Air Caster Frame



Notes:

- Ensure push to connect valves on top of air springs point inward toward center of door unit before installing door frame
- Steel caster frame pieces attached to top of air spring with $\frac{3}{8}$ " Flat Head bolts
- Spacers added as needed to ensure top of frame is above top of push to connect valve for air spring - check with TD
- Attach hoses to air spring before attaching to platform
- Attach air caster frame and air casters to platform first, then attach triple swivel casters
- Steel caster frame attached to platform with $\frac{1}{4}$ " lags, predrill for lags
- Swivel caster attachment frame attached to air caster with $\frac{3}{8}$ " hex bolts with lock nuts

nct



THE CHERRY ORCHARD
BY ANTON CHEKHOV

BY ANTON CHEKHOV

7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director: Michael Lugerling

Scenic Designer: Dana Moran Williams

Technical Director: Timothy Simon

Drafted By: Timothy Simon

Scale: 1" = 1'

Date: 8/22/2022

Notes:

Drawing:
Door Unit
Air Caster System
Frame Install

Plate
Number:

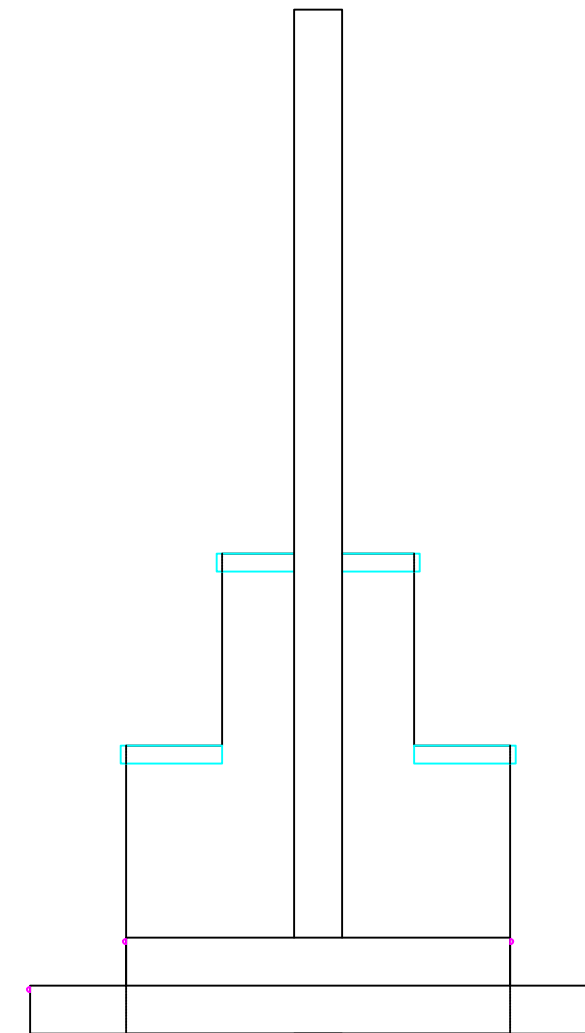
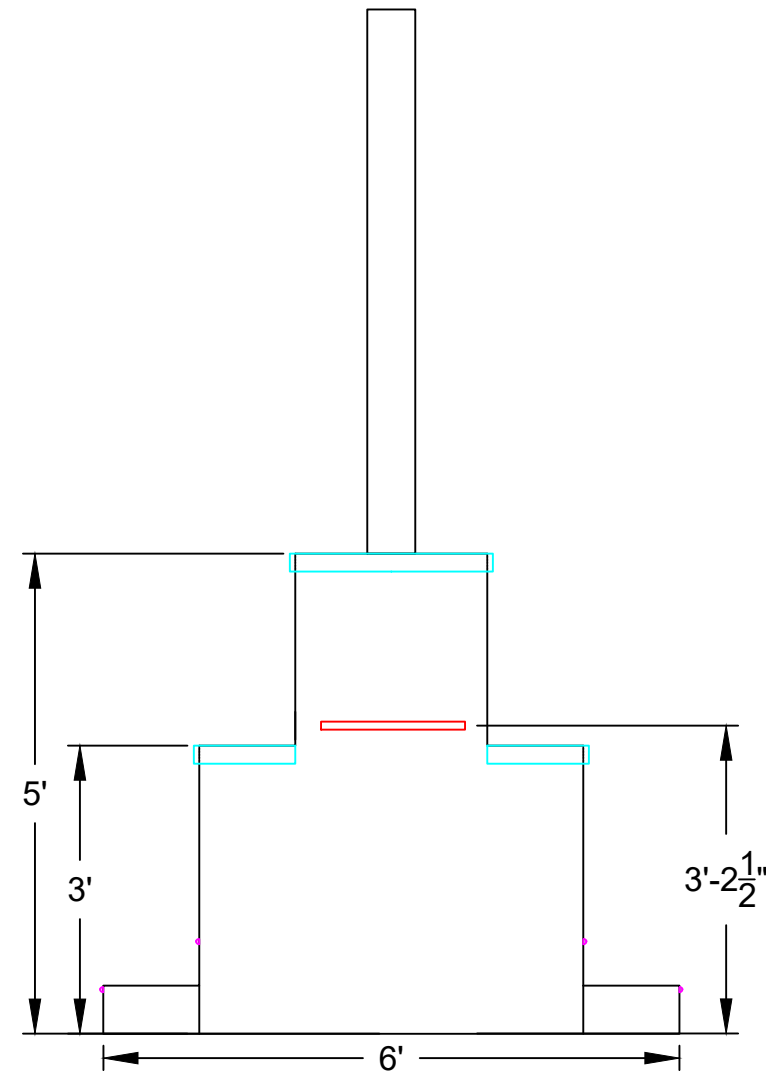
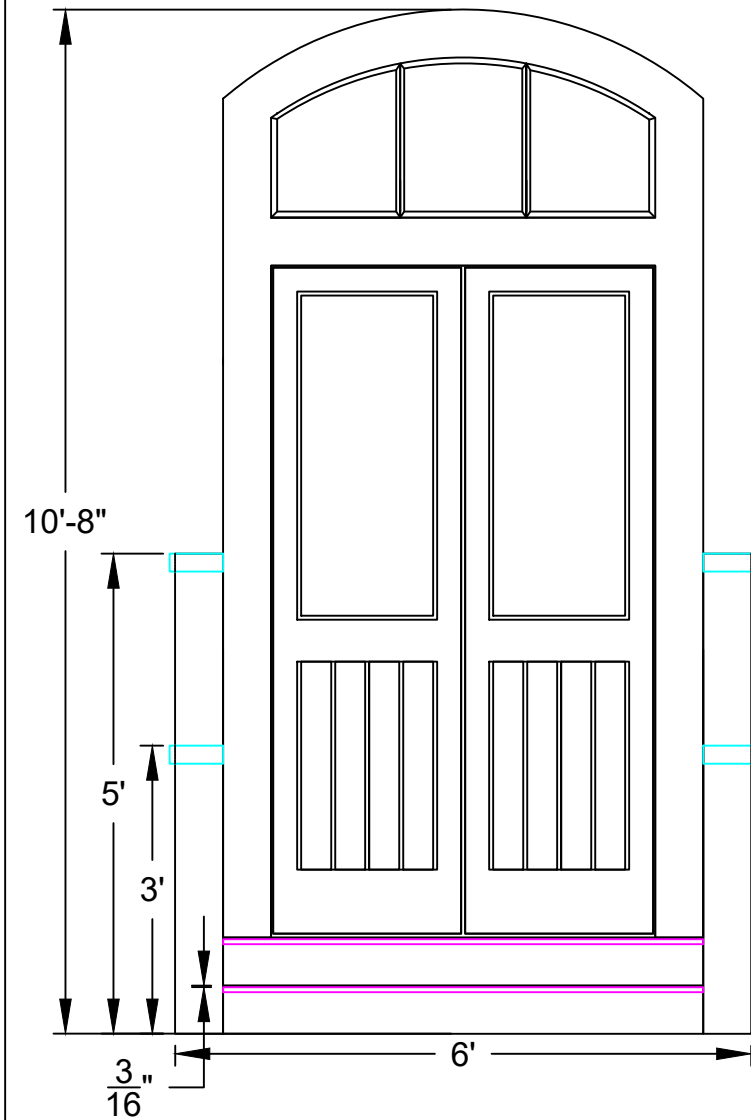
C23

Front View: Door Unit Trim Details

Side View: Door Unit Trim Details

Section View: Door Unit Trim Details

(Some Details Removed for Clarity)

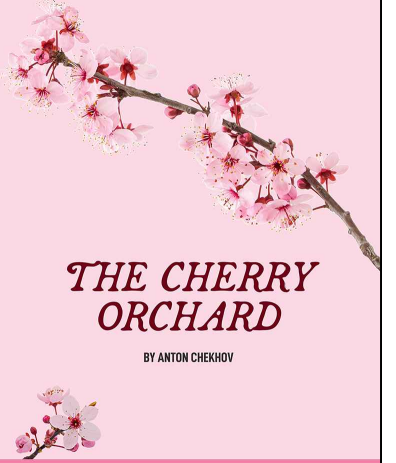


Notes:

- All facing for unit installed before trim is added
- All trim is brad nailed in
- Use nail set as needed to ensure all brad heads are below trim surface
- Door stop trim is 1x1 and is glue and NC staple
- Exact Push/Pull bar size TBD

Color Key:

- Magenta: Half Round Trim
- Cyan: Casing Trim
- Red: Push/Pull Bar



7-16 OCTOBER 2022 | JUDY BAYLEY THEATRE

Director:	Michael Lugering
Scenic Designer:	Dana Moran Williams
Technical Director:	Timothy Simon
Drafted By:	Timothy Simon
Scale:	1/2" = 1'
Date:	8/22/2022

Notes:

Drawing:
Door Unit Trim Overview Locations

Plate Number:
C24