



TITLE:

STITCH

SCENIC UNIT:
WALL B

PLATE TITLE:
OVERVIEW

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE:
1/15/2025

SCALE:
AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

CHECKED BY:

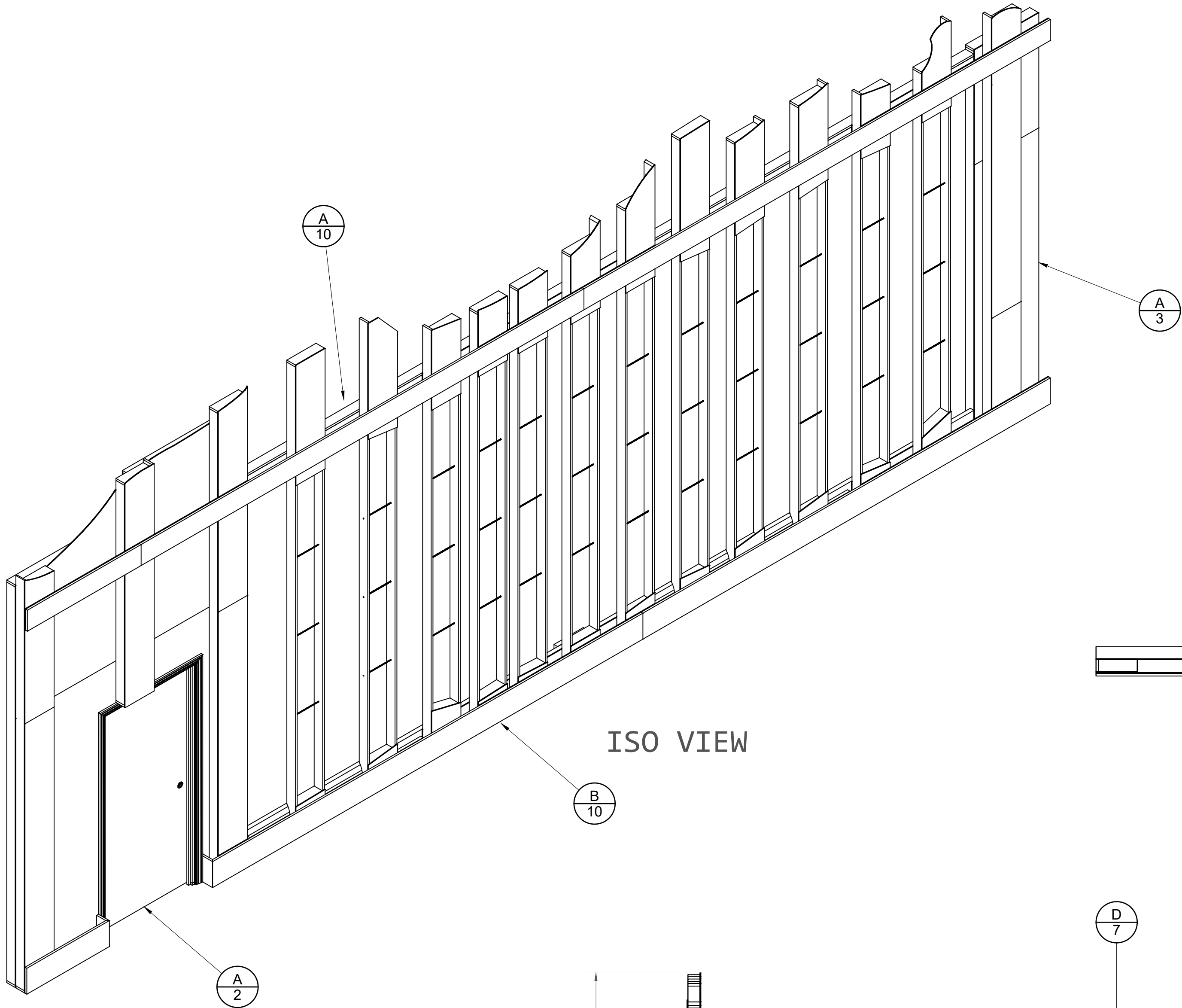
/ /

APPROVAL:

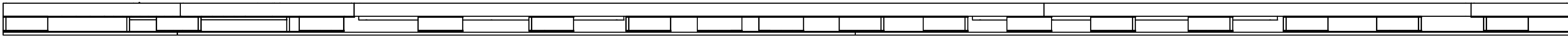
DATE: / /

PAGE:

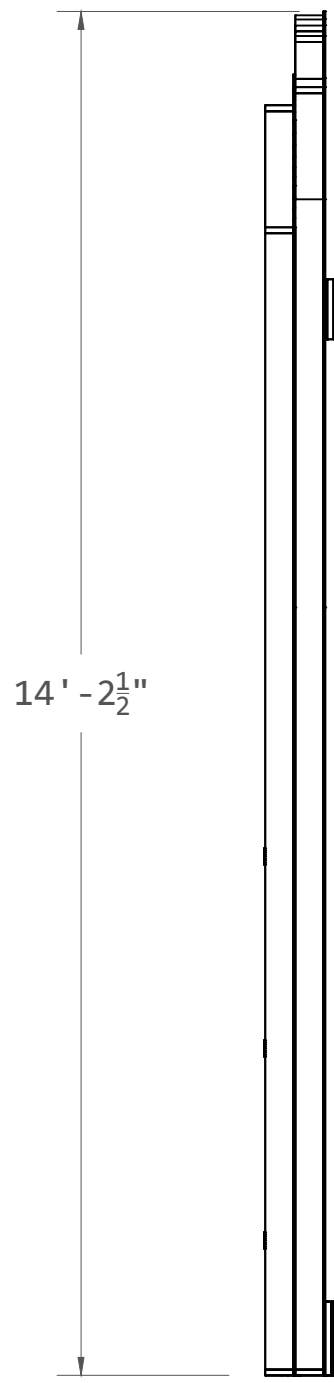
1 OF 11



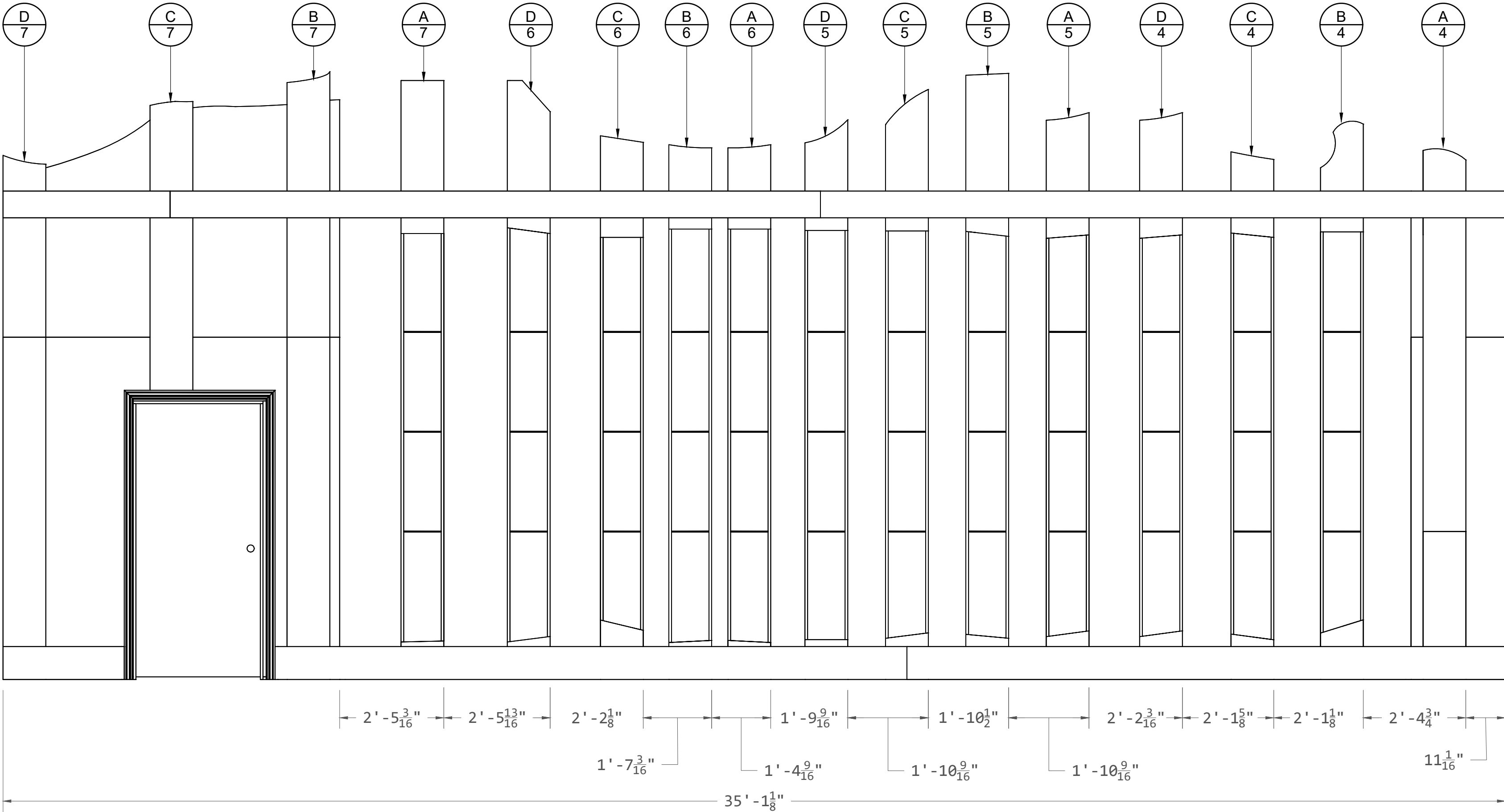
ISO VIEW



TOP VIEW



LEFT VIEW



FRONT VIEW

WALL B & SLATS OVERVIEW

NOTES:
2 SEPERATE FLATS WITH SLATS IN BETWEEN AND IN FRONT, 5 OF WHICH ROLL ON A TRACK
SCREWED TO THE GROUND, SUPPORTED BY 2 STOCK JACKS, AND WALL A & C
CAN SEE THROUGH THE WALLS & THE SCRIM COVERED SLATS

SCALE: 1"=1'-0"



TITLE:

STOSH

SCENIC UNIT:
WALL B

PLATE TITLE:
DOOR FLAT

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE:
1/15/2025

SCALE:
AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

CHECKED BY:

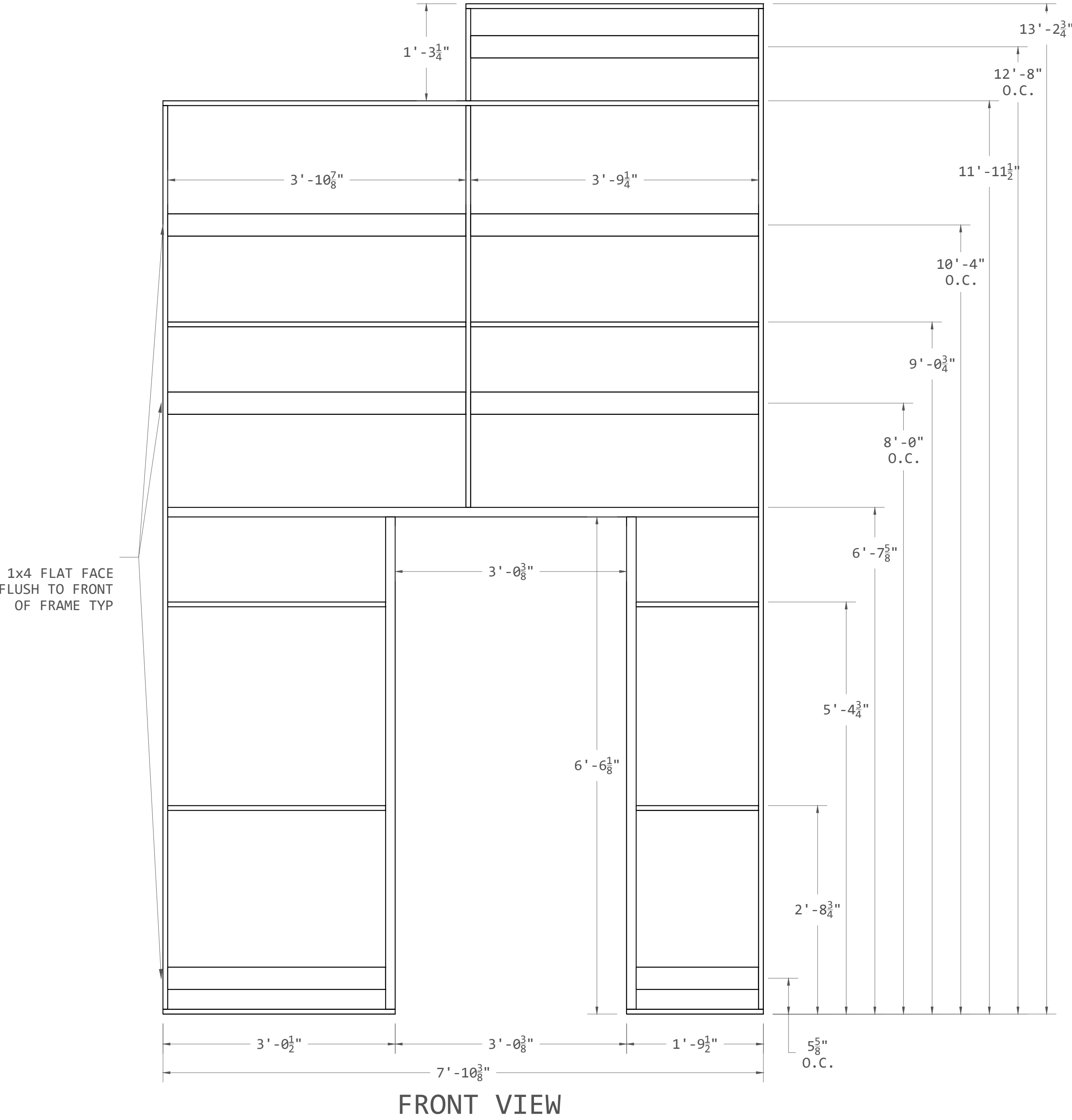
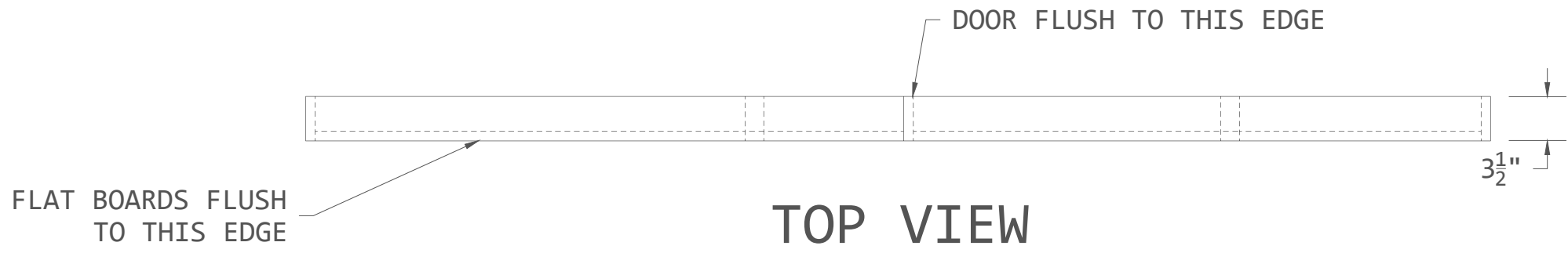
/ /

APPROVAL:

DATE: / /

PAGE:

2 OF 11

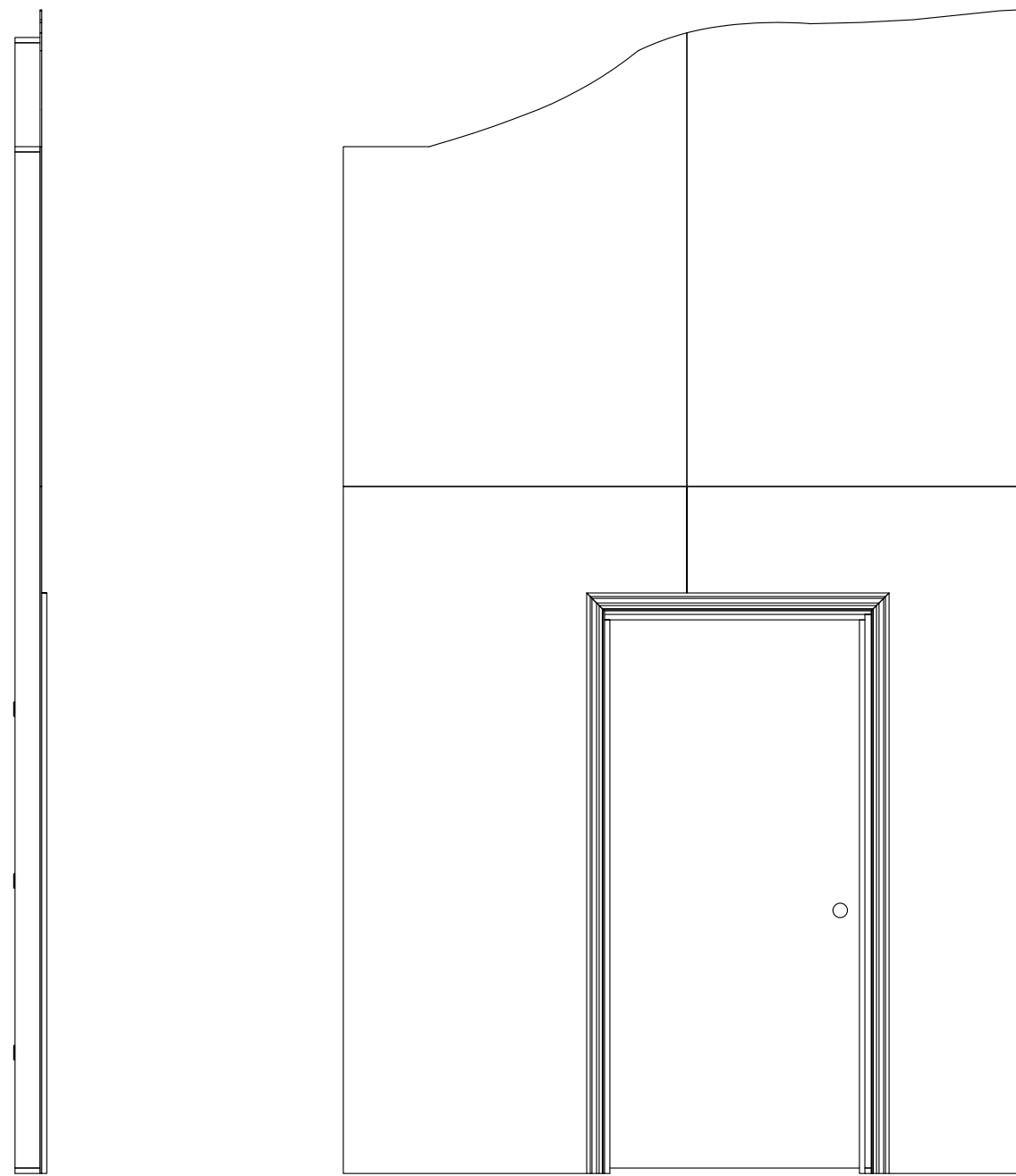
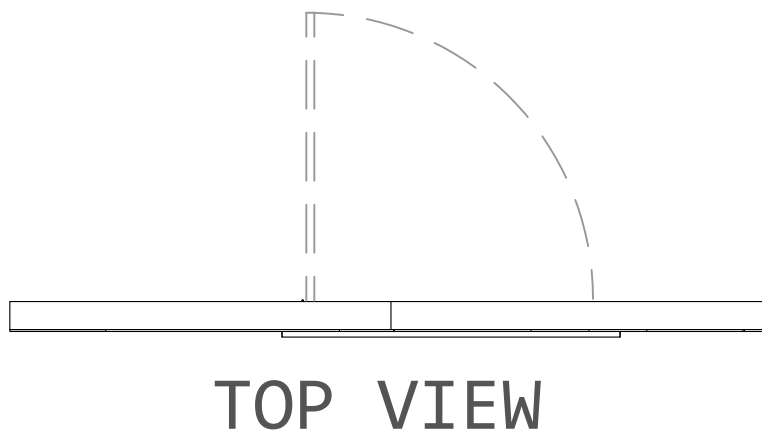
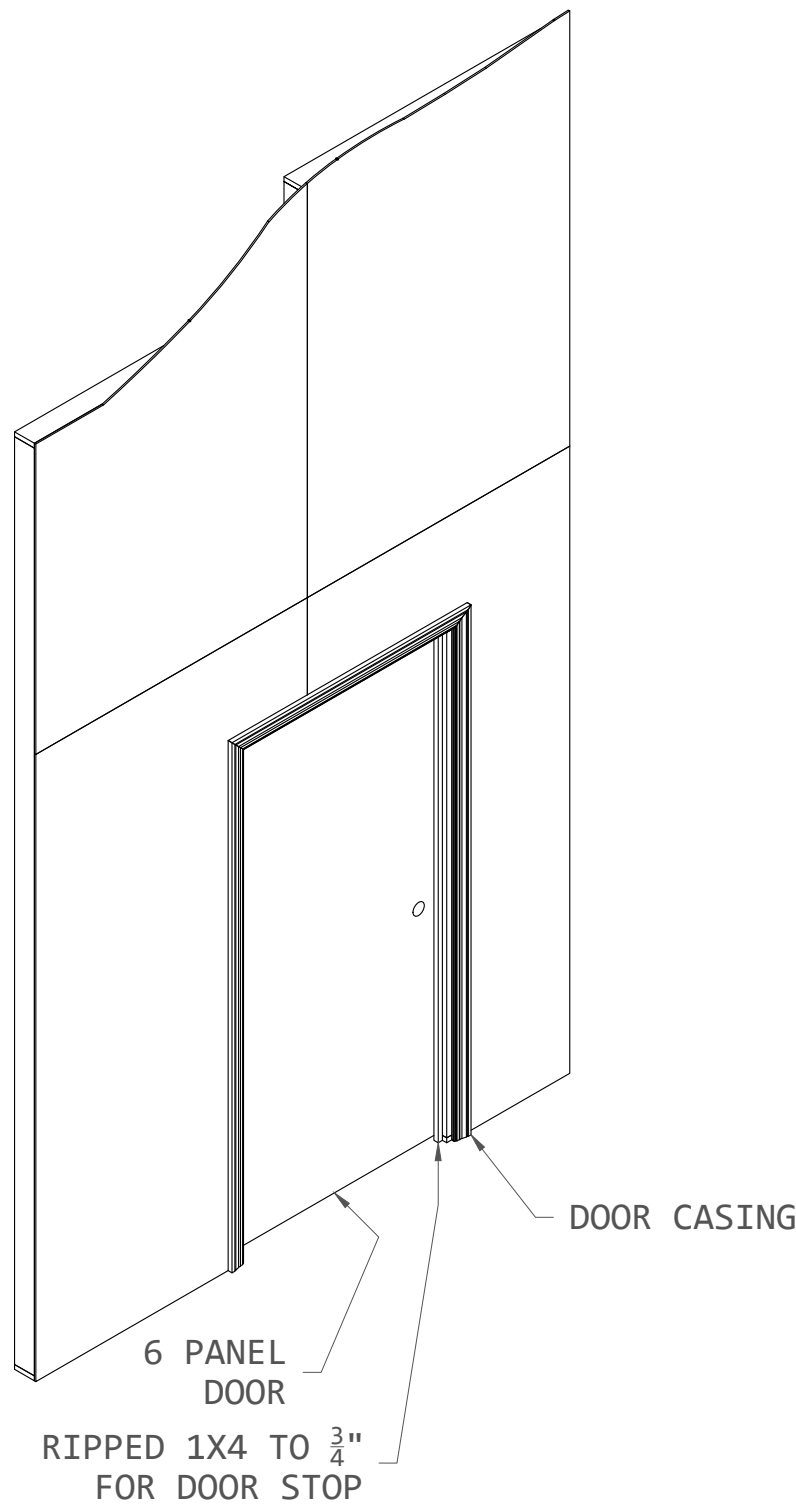


A
2

WALL B DOOR FLAT

NOTES:
1X4 FRAMING ON EDGE, 2X4 FRAMING ON EDGE AROUND DOOR, 1/4" LAUAN FACING, DOOR CASING AROUND DOOR
GLUE & STAPLE & SCREW FRAME, SKIN WITH LAUAN, ATTACH DOOR FLUSH TO THE BACK OF THE FLAT
CUT DOOR STOP TO FIT
ATTACH DOOR CASING TRIM
ATTACH SLATS 14, 15, & 16

SCALE: 1"=1'-0"



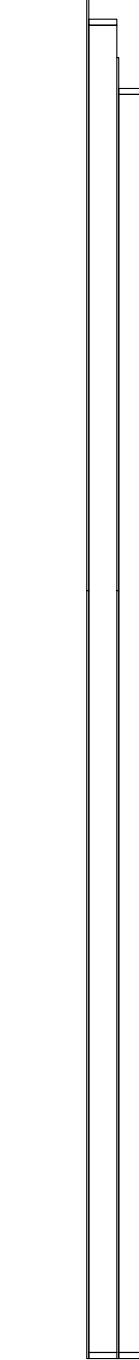
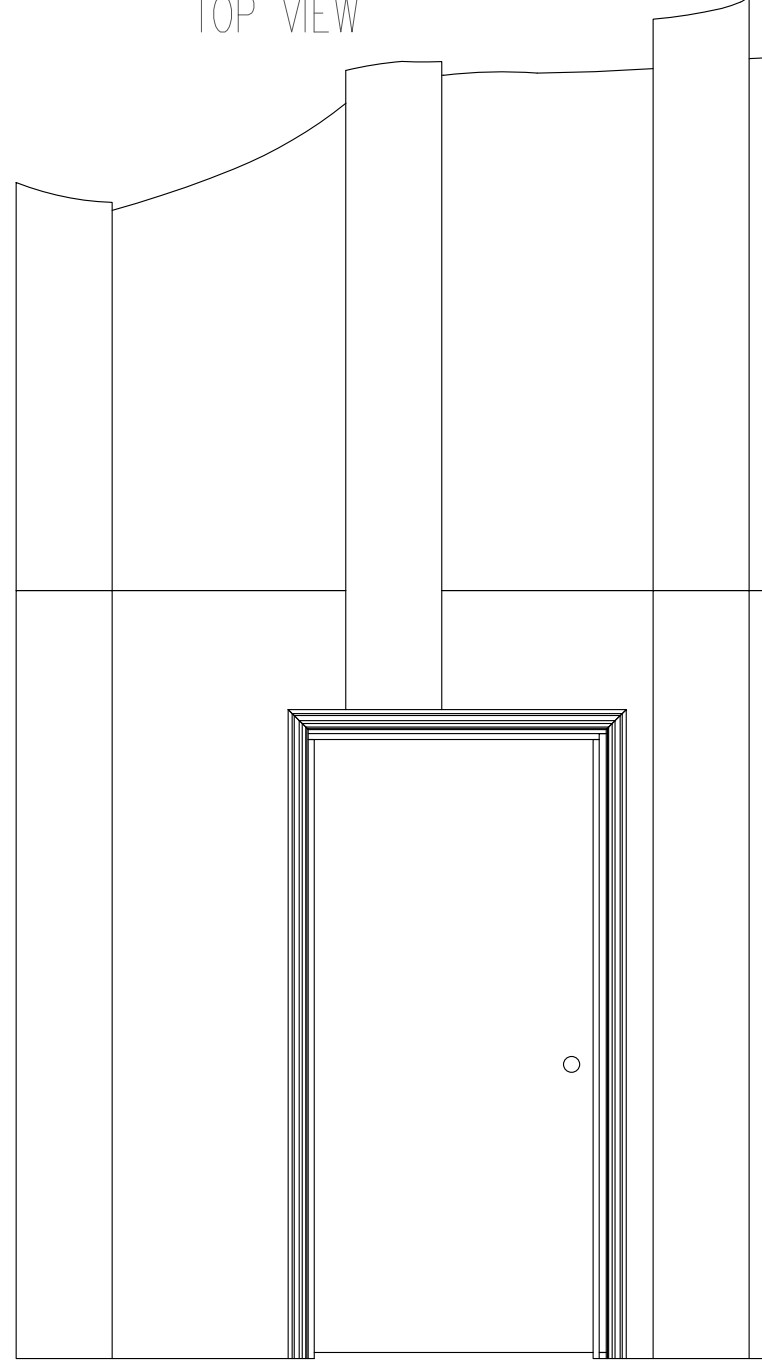
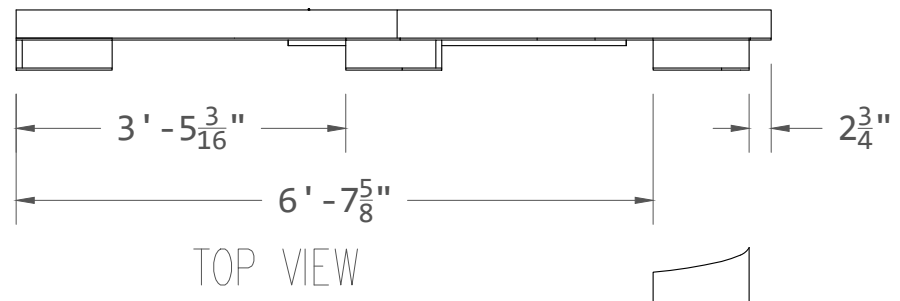
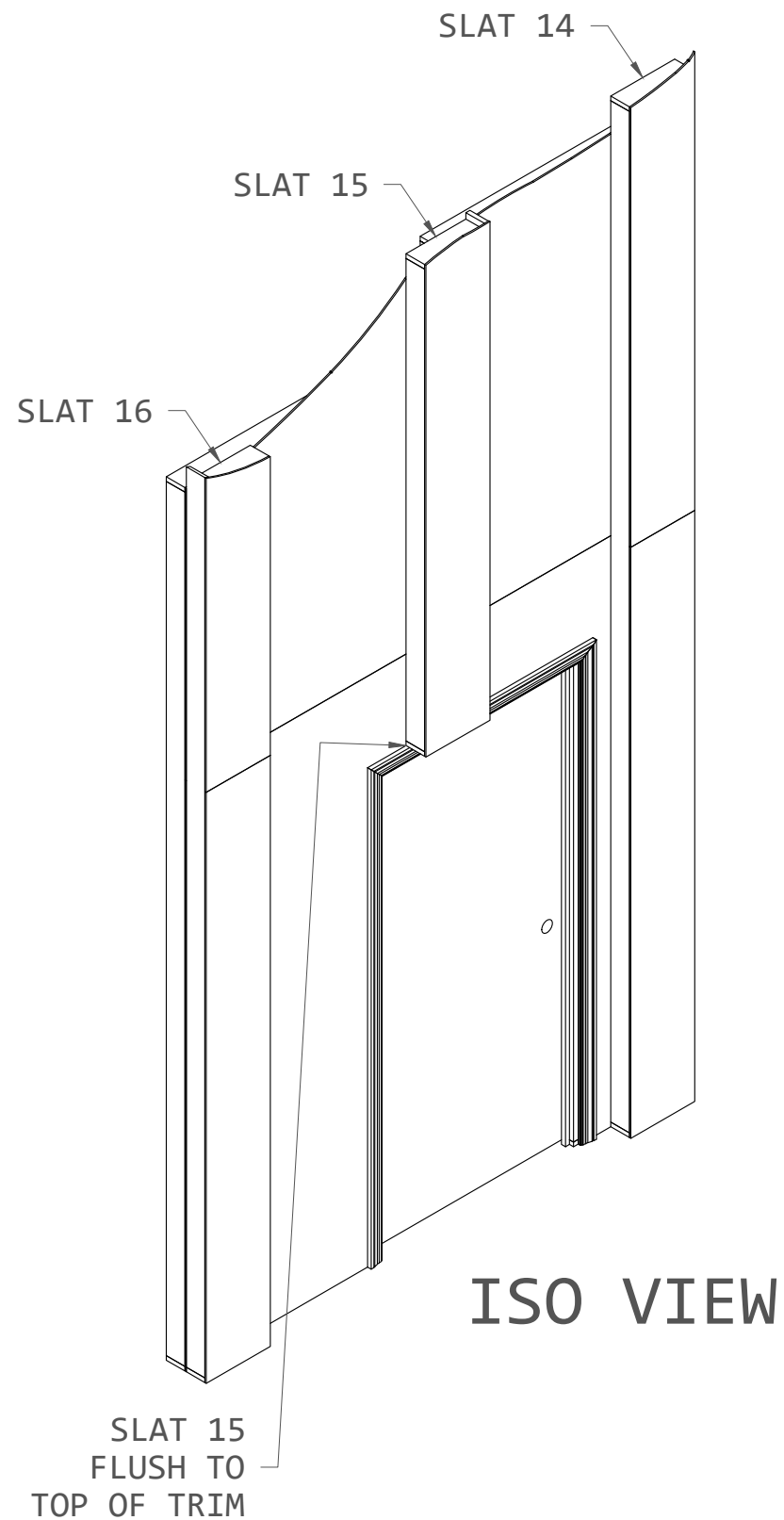
FRONT VIEW

B
2

WALL B DOOR FLAT OVERVIEW

NOTES:

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



C
2

SLATS 14, 15, & 16 ATTACHMENT

NOTES:
PREDRILL & SCREW FROM BACK OF FLAT

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



TITLE:

STITCH

SCENIC UNIT:
WALL B

PLATE TITLE:
WALL FLAT

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE:
1/15/2025

SCALE:
AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

CHECKED BY:

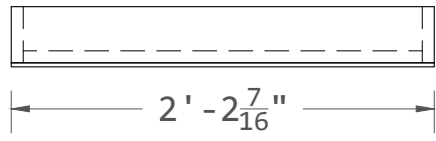
/ /

APPROVAL:

DATE: / /

PAGE:

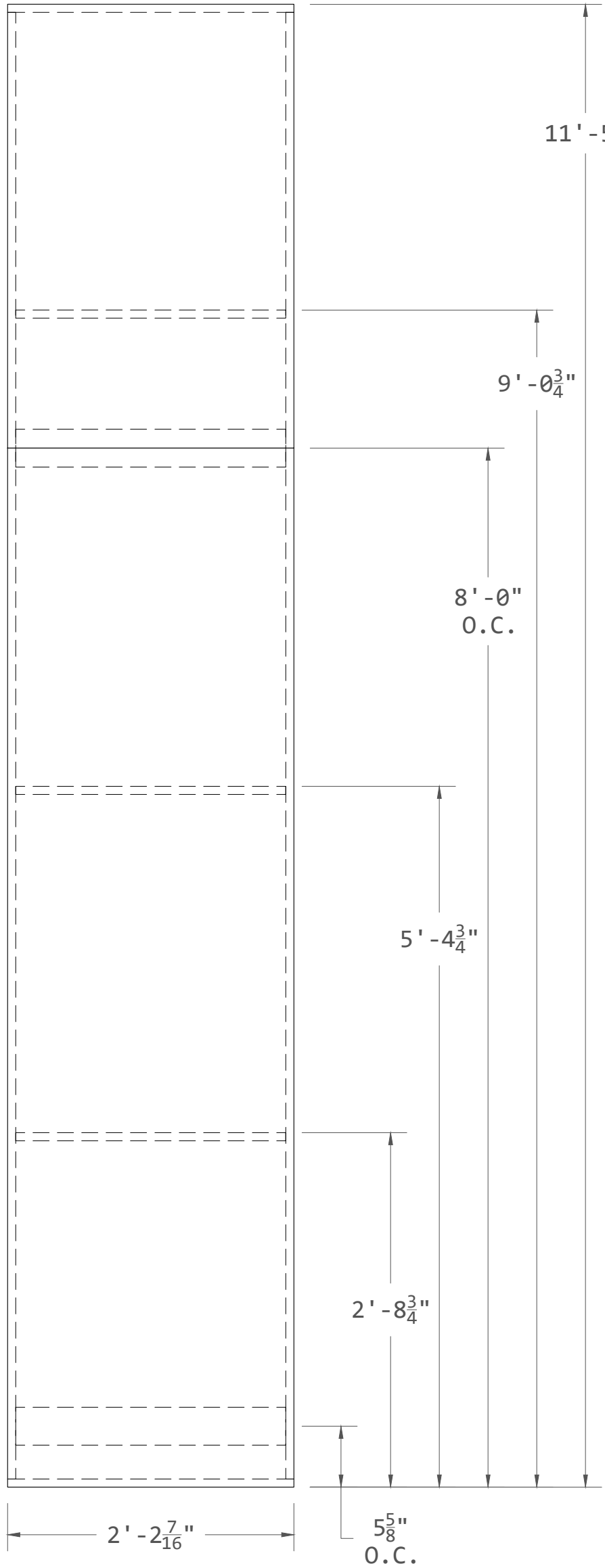
3 OF 11



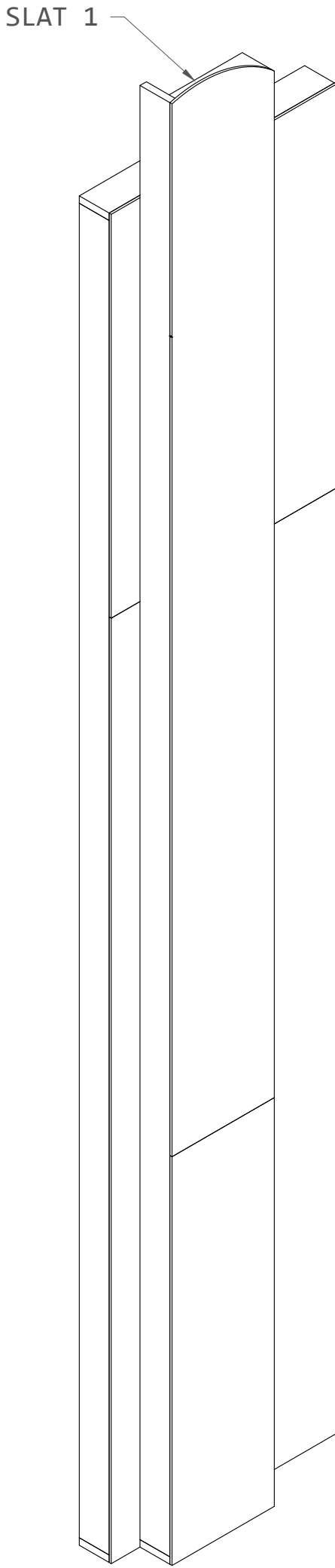
TOP VIEW



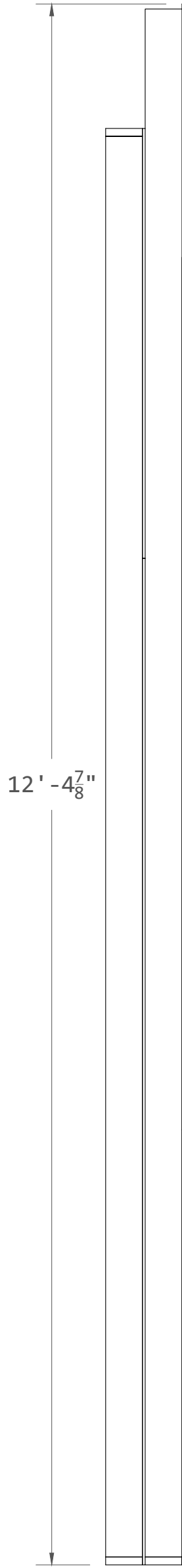
LEFT VIEW



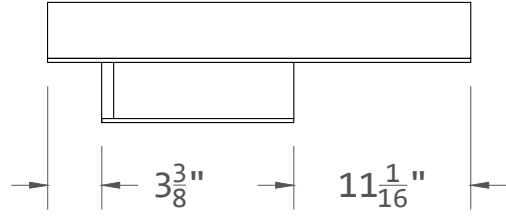
FRONT VIEW



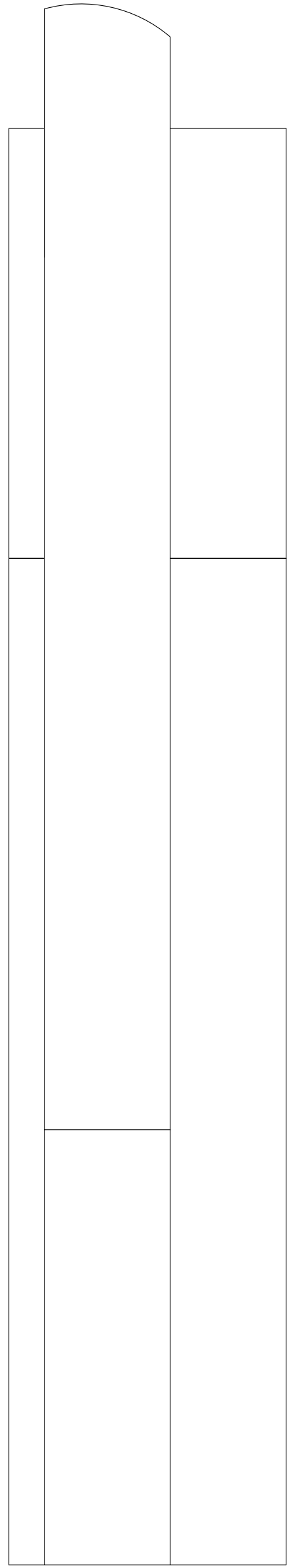
ISO VIEW



LEFT VIEW



TOP VIEW



FRONT VIEW

A
3

WALL FLAT

NOTES:
1x4 FRAMING ON EDGE, 1/4" LAUAN FACING
GLUE & STAPLE

SCALE: 1"=1'-0"

A
3

WALL FLAT SLAT 1 ATTACHMENT

NOTES:
1x4 FRAMING ON EDGE, 1/4" LAUAN FACING
PREDRILL & SCREW FROM BACK

SCALE: 1"=1'-0"



TITLE:

SCENIC UNIT:
WALL

5-8 SLAT CONSTRUCTION

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE: 1/15/2025

SCALE: AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

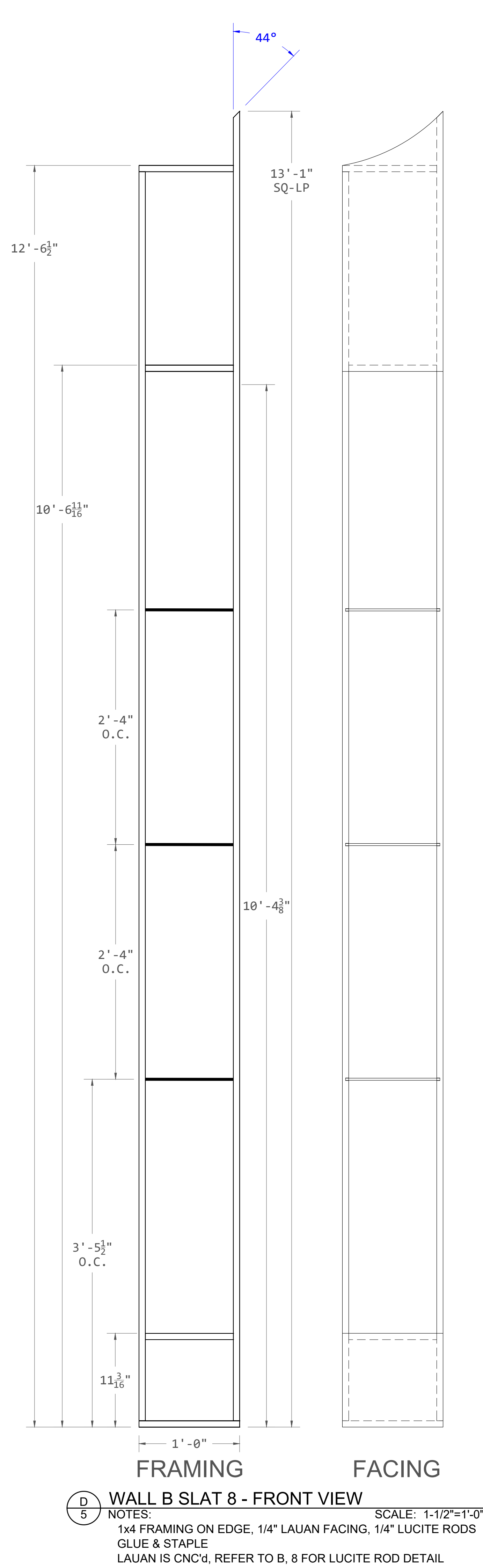
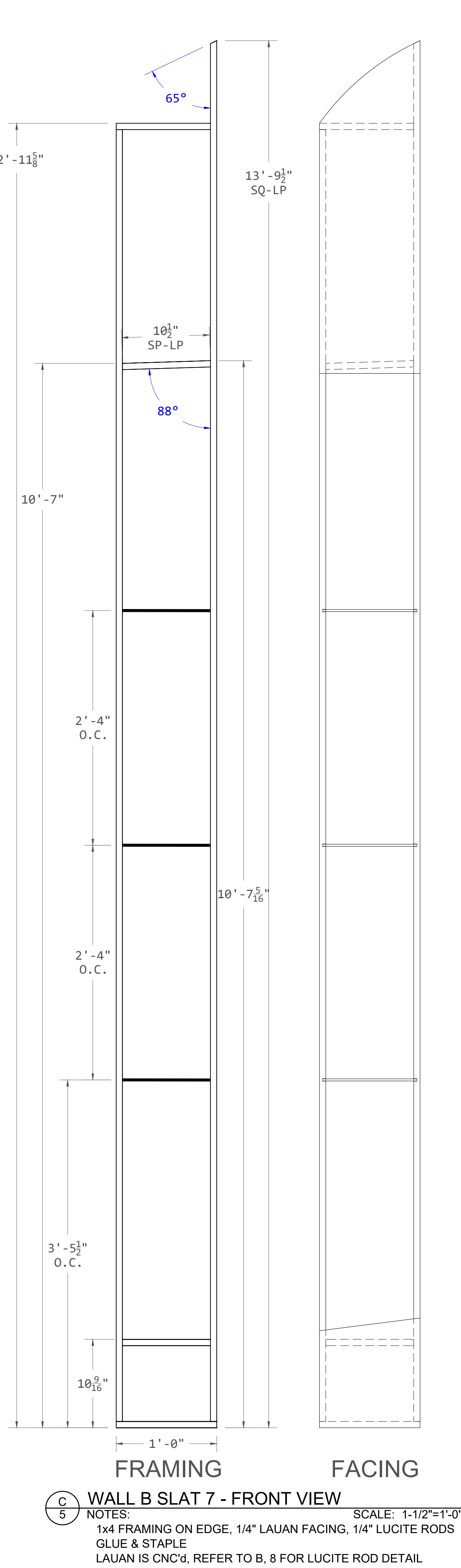
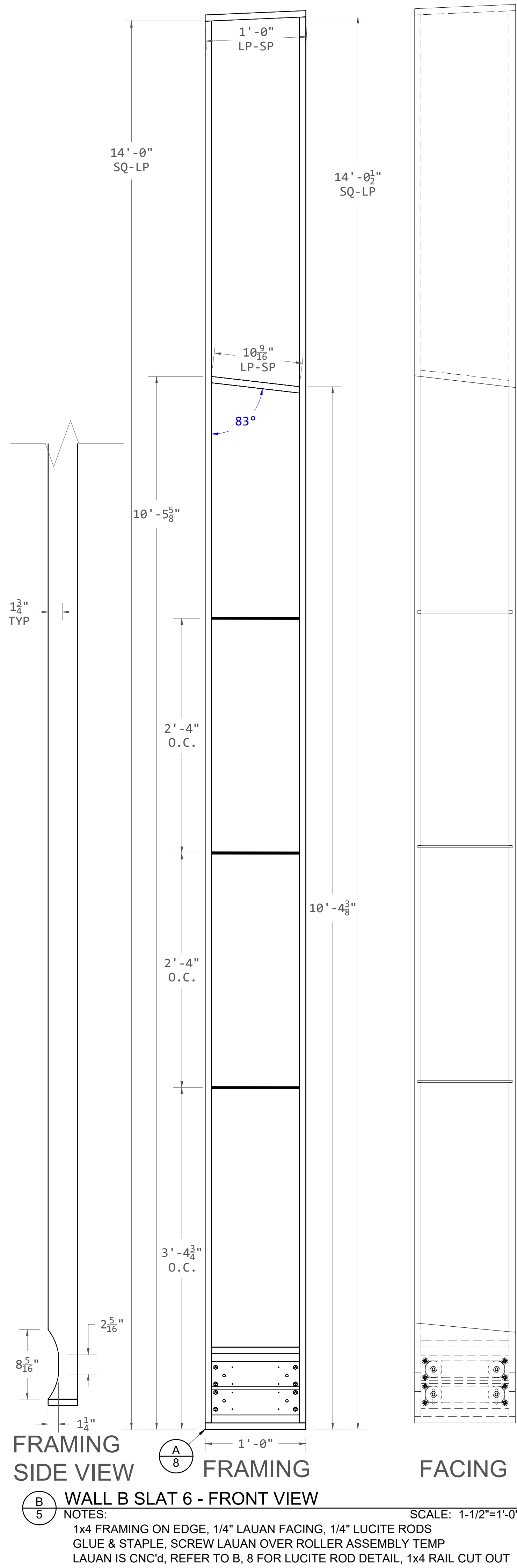
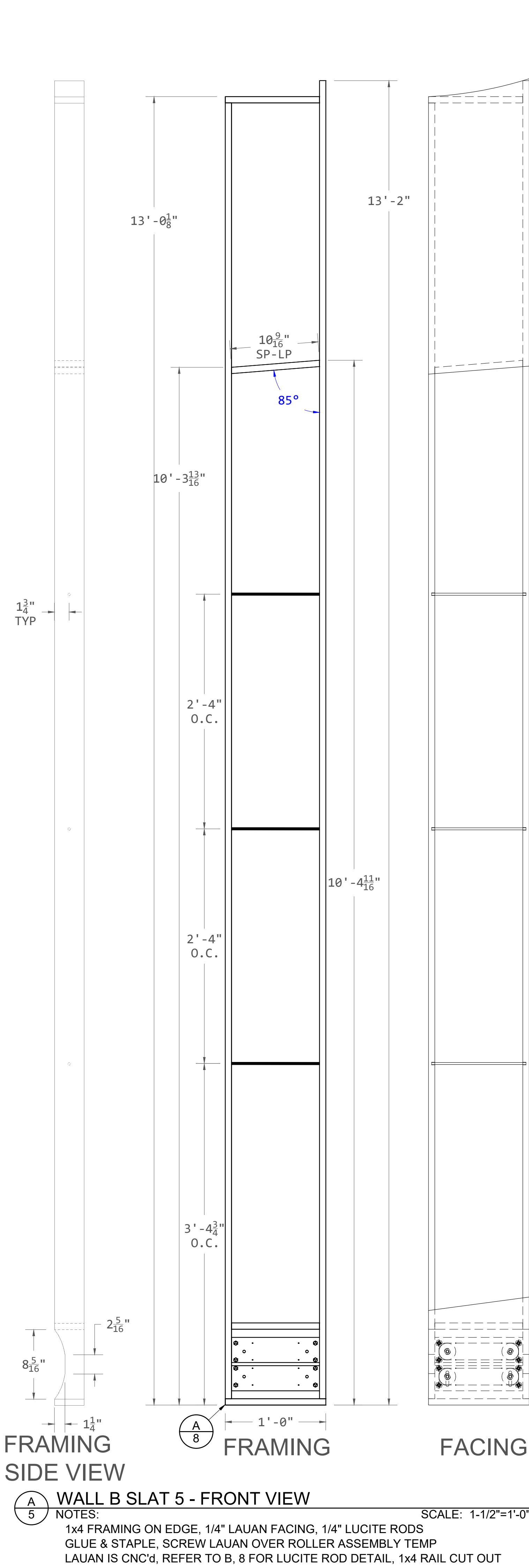
CHECKED BY:

/ /

APPROVAL:

DATE: / /

PAGE: 5 OF 11





TITLE:

SCENIC UNIT:

WALL B

PLATE TITLE:

9-12 SLAT CONSTRUCTION

DETAILER:

JOSEPH FLECK

JOEF@ANDREW.CMU.EDU

(810) 813-2177

DATE: _____

1/15/2025

SCALE:

AS NOTED

DESIGNER:

PHOEBE HUGGETT

PROJECT MANAGER:

NICK WYLIE

JOB LEAD:

ALEX REINARD

NOTES:

CHECKED BY:

/ /

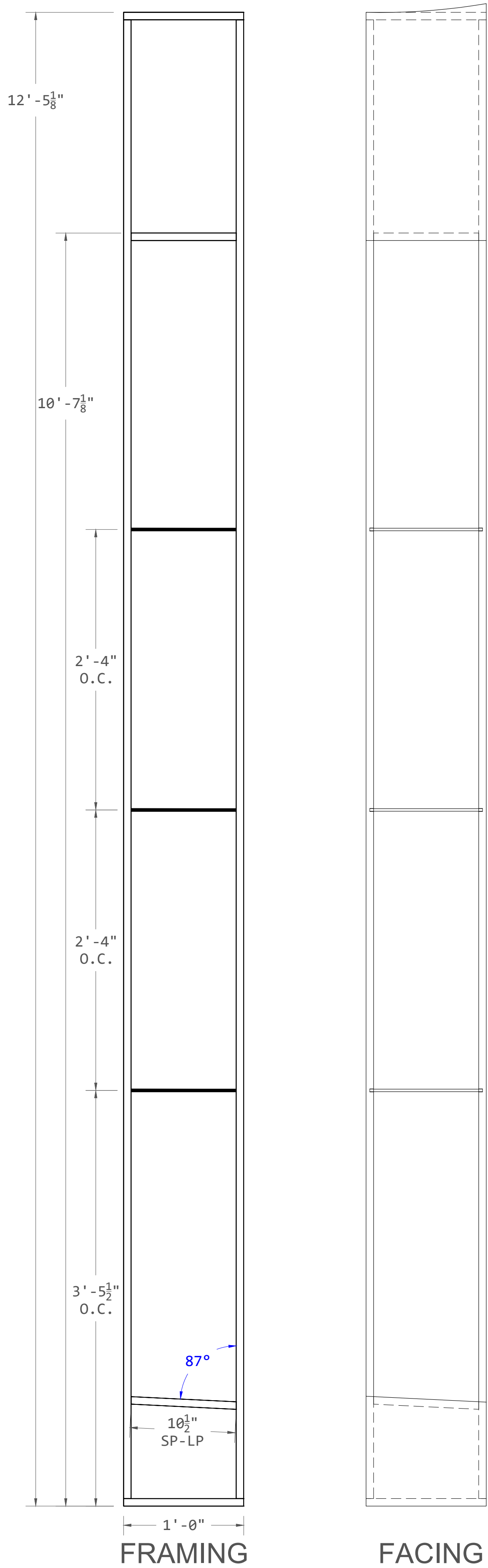
APPROVAL:

DATE:

/ /

PAGE:

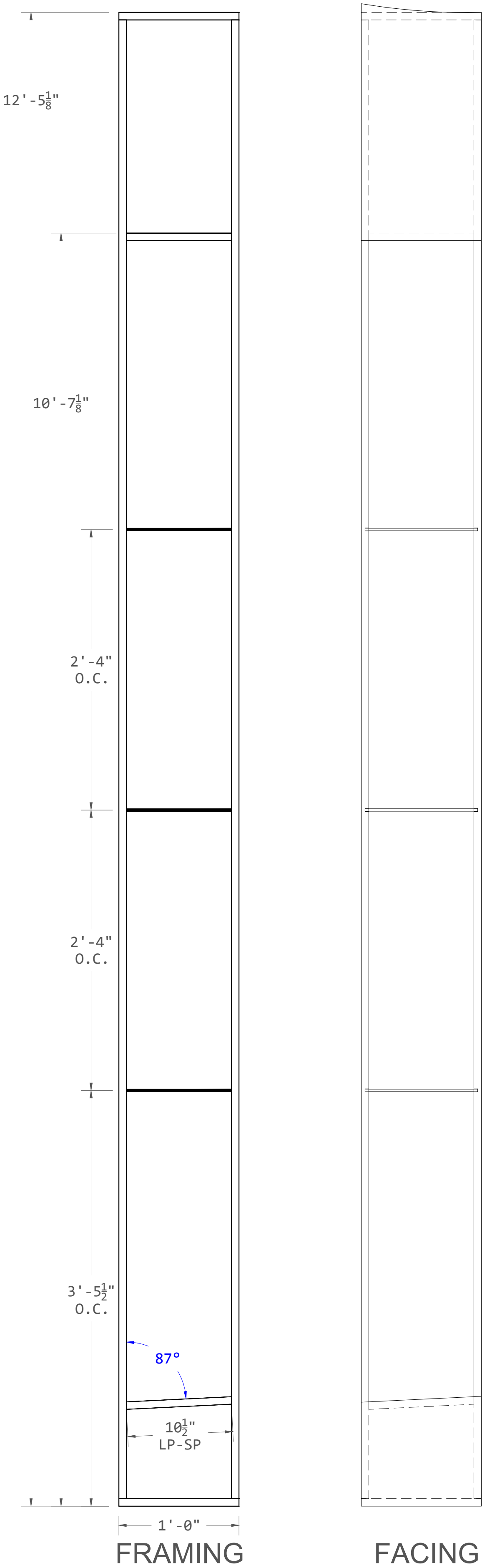
6 OF 11



A WALL B SLAT 9 - FRONT VIEW

NOTES: SCALE: 1-1/2"=1'-0"

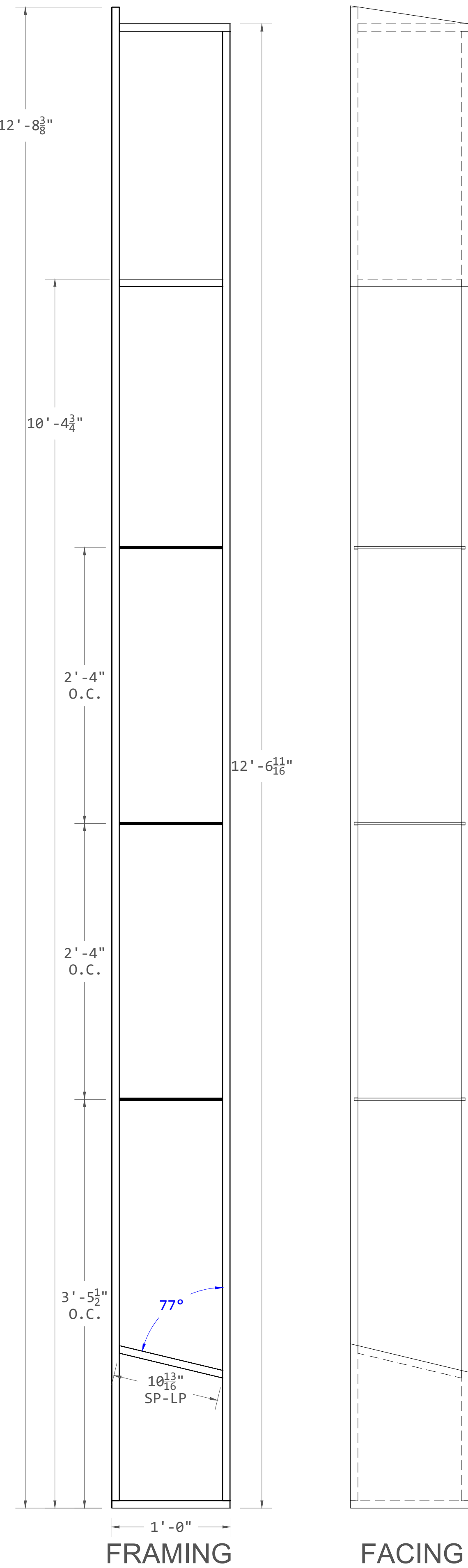
1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS
GLUE & STAPLE
LAUAN IS CNC'd, REFER TO B, 8 FOR LUCITE ROD DETAIL



WALL B SLAT 10 - FRONT VIEW

NOTES: SCALE: 1-1/2"=1'-0"

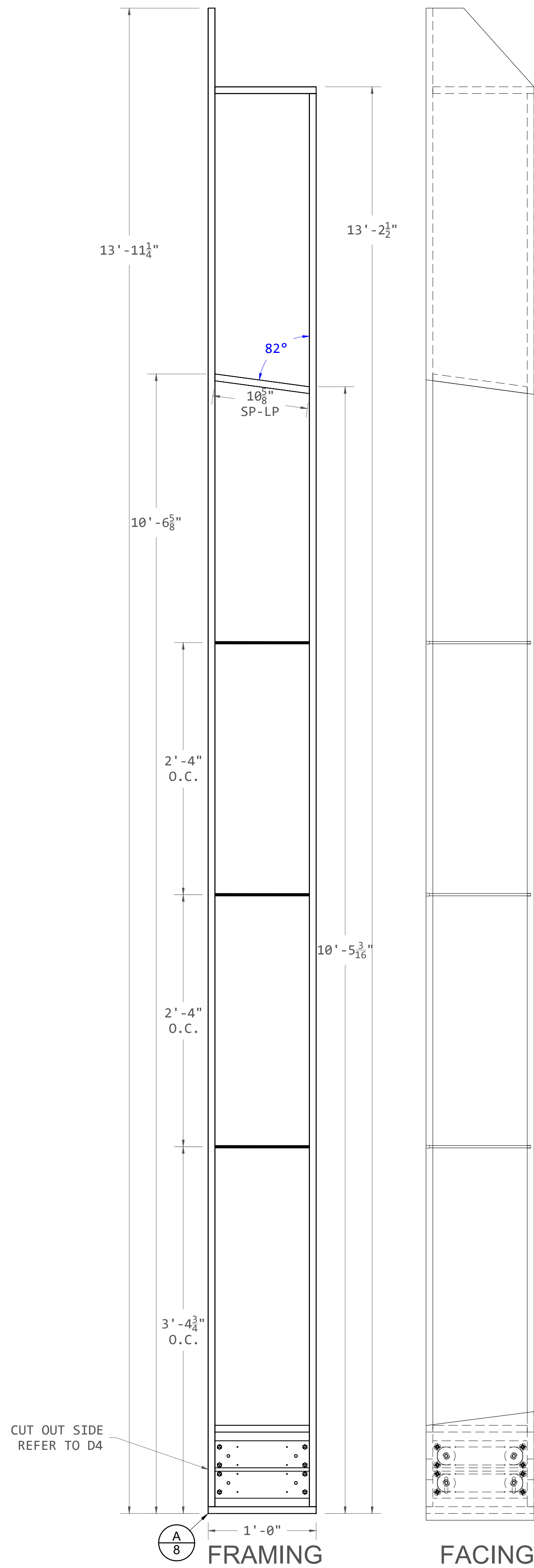
1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS
GLUE & STAPLE
LAUAN IS CNC'd, REFER TO B, 8 FOR LUCITE ROD DETAIL



© WALL B SLAT 11 - FRONT VIEW

NOTES: SCALE: 1-1/2"=1'-0"

1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS
GLUE & STAPLE
LAUAN IS CNC'd, REFER TO B, 8 FOR LUCITE ROD DETAIL



(D) WALL B SLAT 12 - FRONT VIEW

NOTES: SCALE: 1-1/2"=1'-0"

1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS
GLUE & STAPLE, SCREW LAUAN OVER ROLLER ASSEMBLY TEMP
LAUAN IS CNC'd, REFER TO B, 8 FOR LUCITE ROD DETAIL



TITLE:

SCENIC UNIT:
WALL B

PLATE TITLE:
13-16 SLAT CONSTRUCTION

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE: 1/15/2025

SCALE: AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

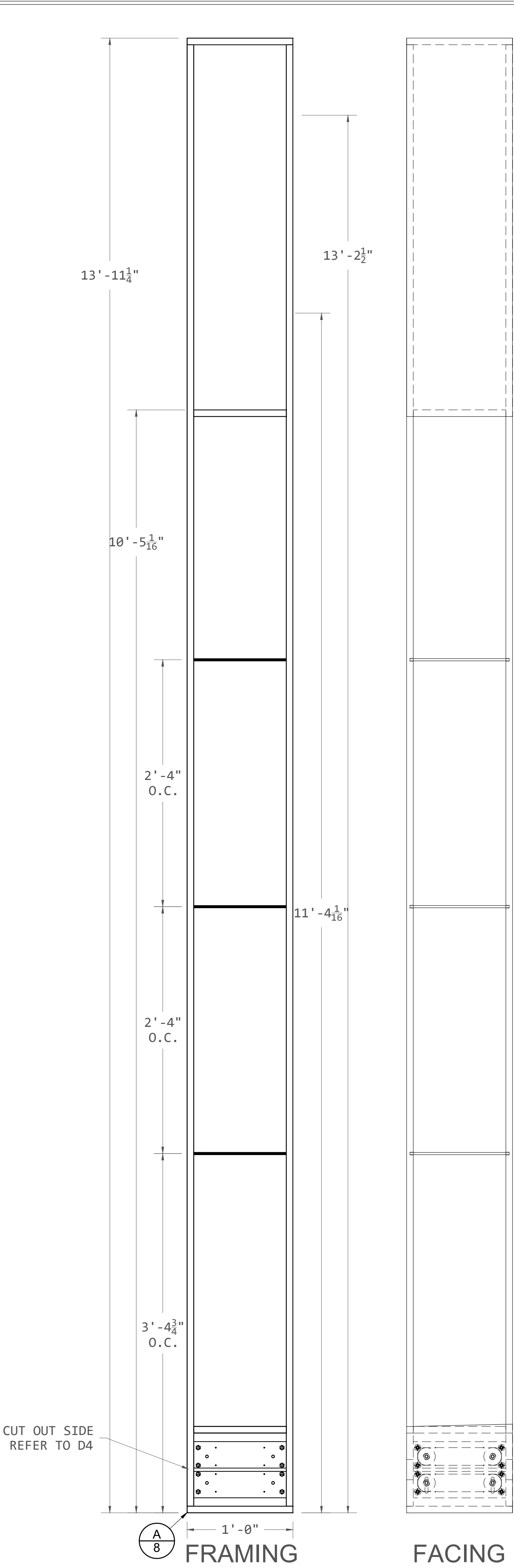
CHECKED BY:

/ /

APPROVAL:

DATE: / /

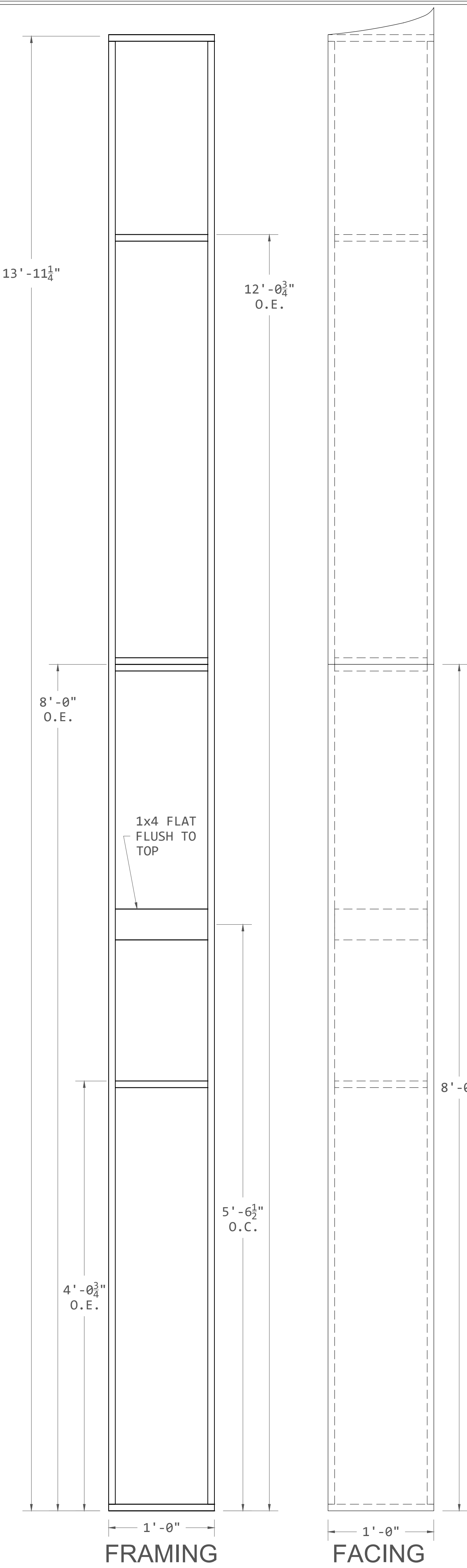
PAGE: 7 OF 11



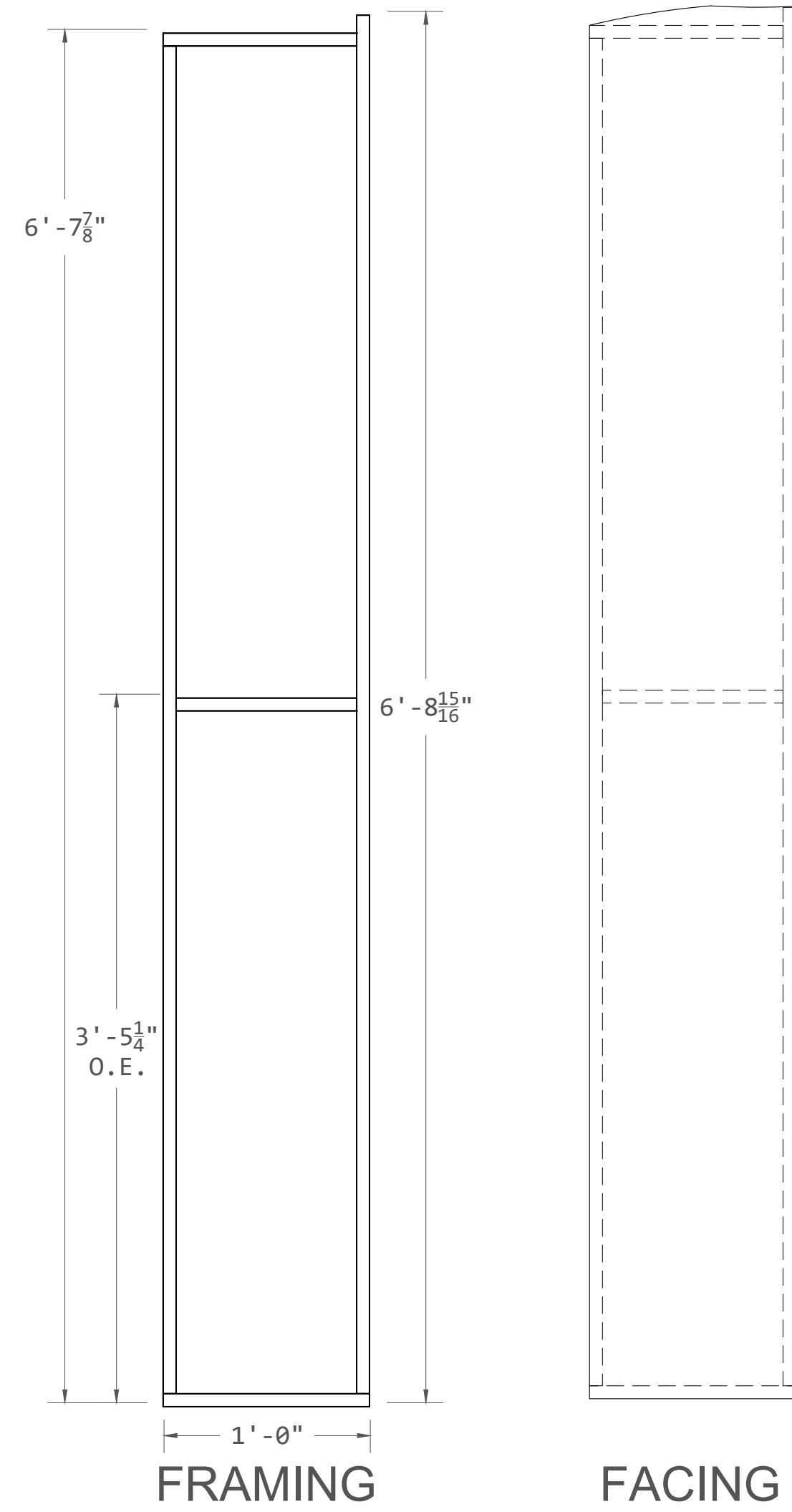
WALL B SLAT 13 - FRONT VIEW

NOTES: SCALE: 1-1/2"=1'-0"

1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS
GLUE & STAPLE, SCREW LAUVER OVER ROLLER ASSEMBLY TEMP
LAUAN IS CNC'd



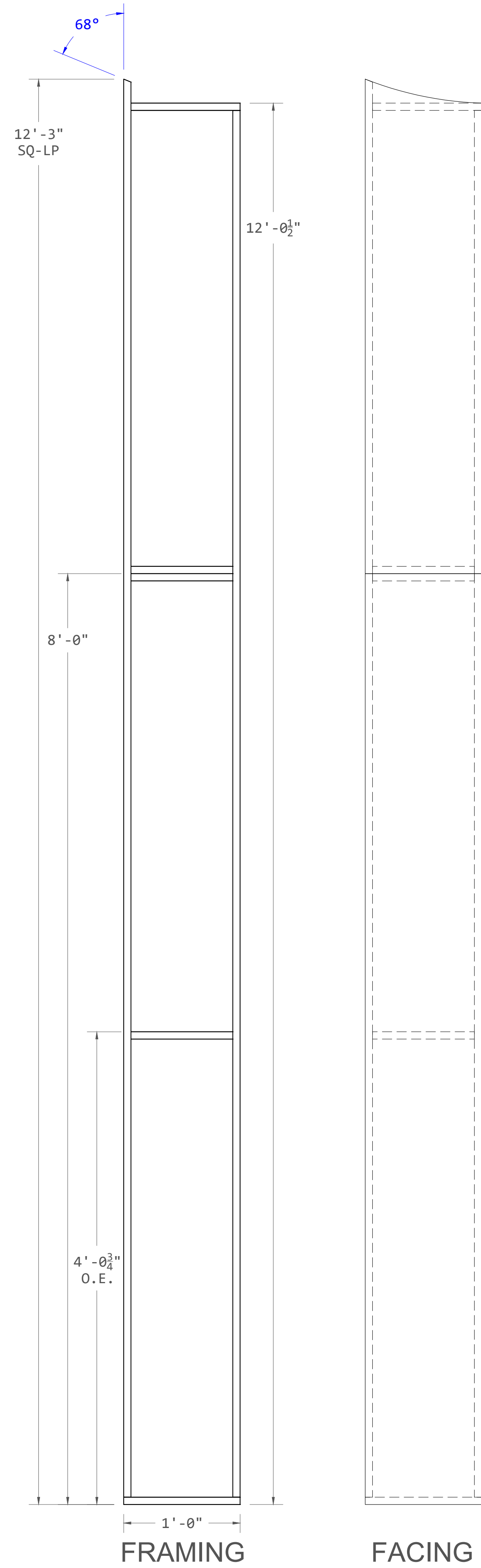
B 7	WALL B SLAT 14 - FRONT VIEW NOTES: SCALE: 1-1/2"=1'-0" 1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS GLUE & STAPLE TOP LAUAN IS CNC'd
--------	---



WALL B SLAT 15 - FRONT VIEW

NOTES: SCALE: 1-1/2"=1'-0"

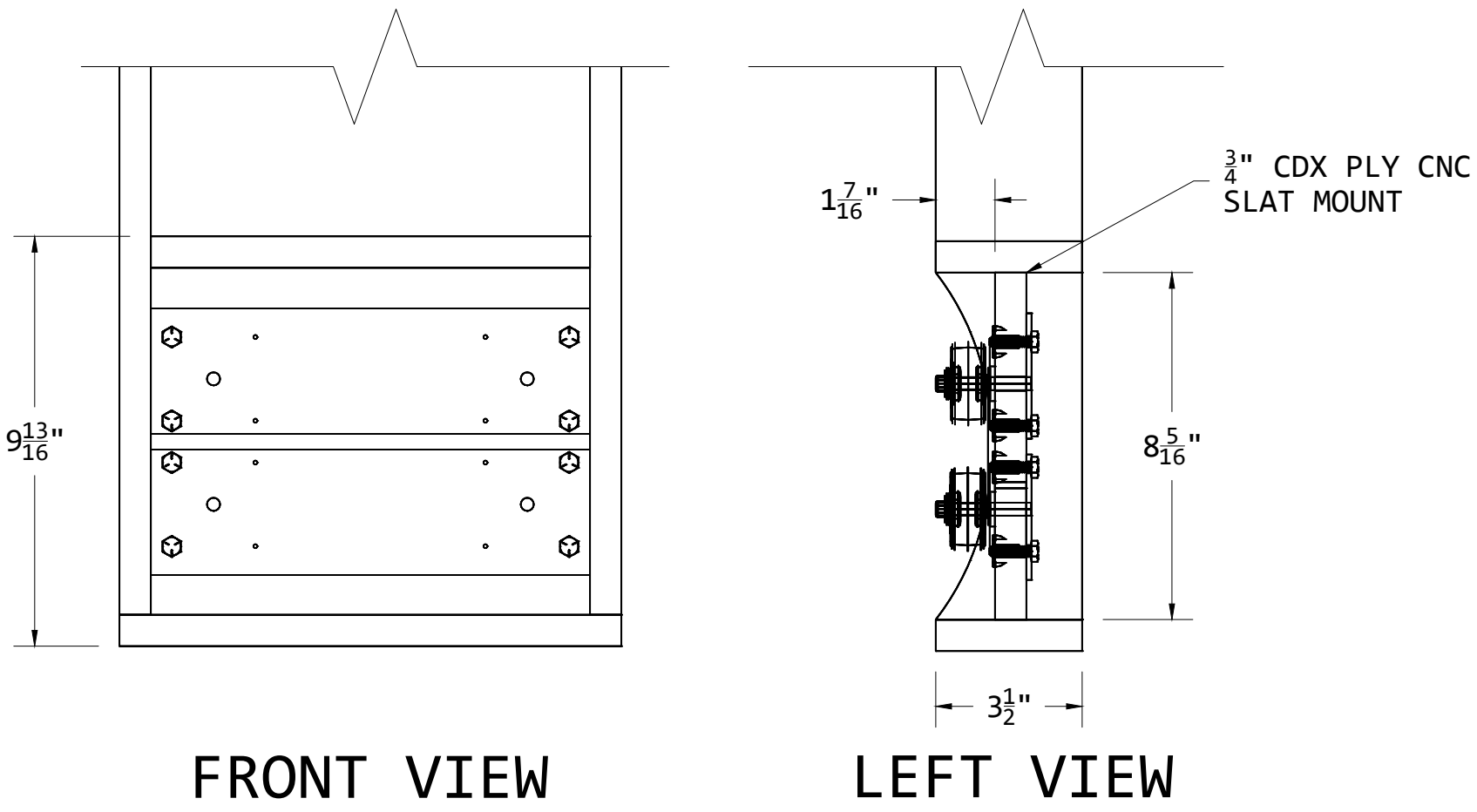
1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS
GLUE & STAPLE
LAUAN IS CNC'd



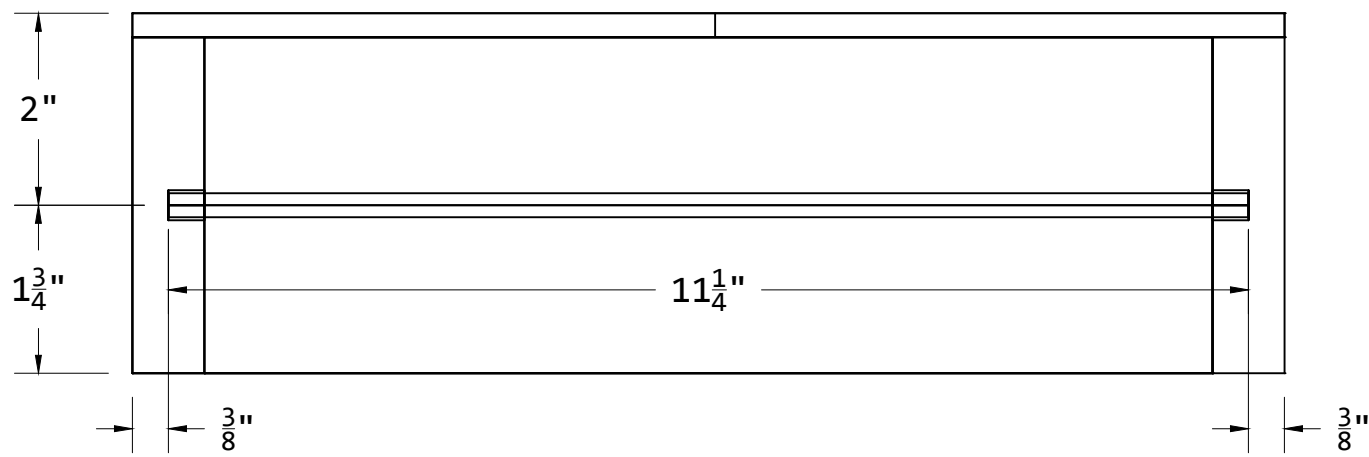
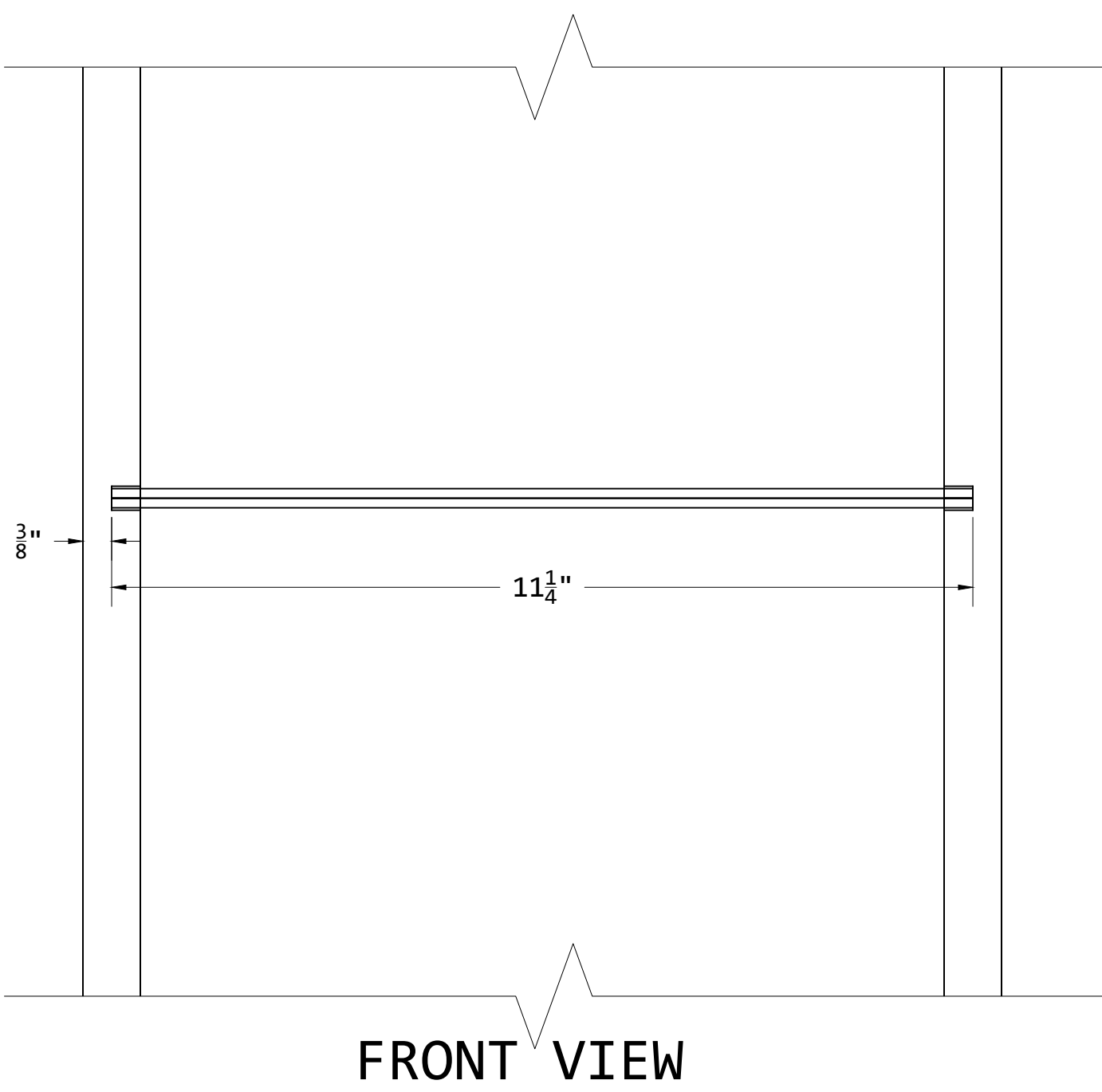
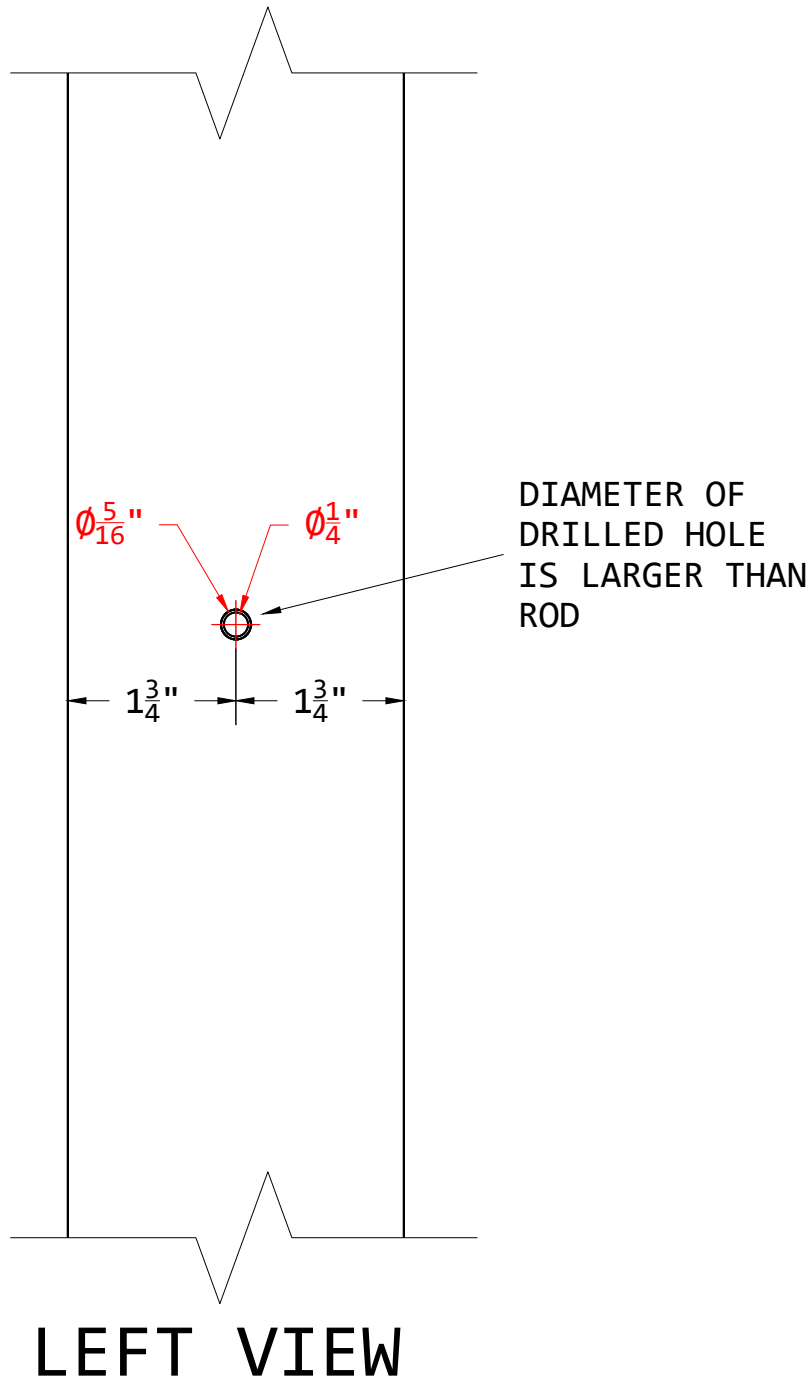
WALL B SLAT 16 - FRONT VIEW

NOTES: SCALE: 1-1/2"=1'-0"

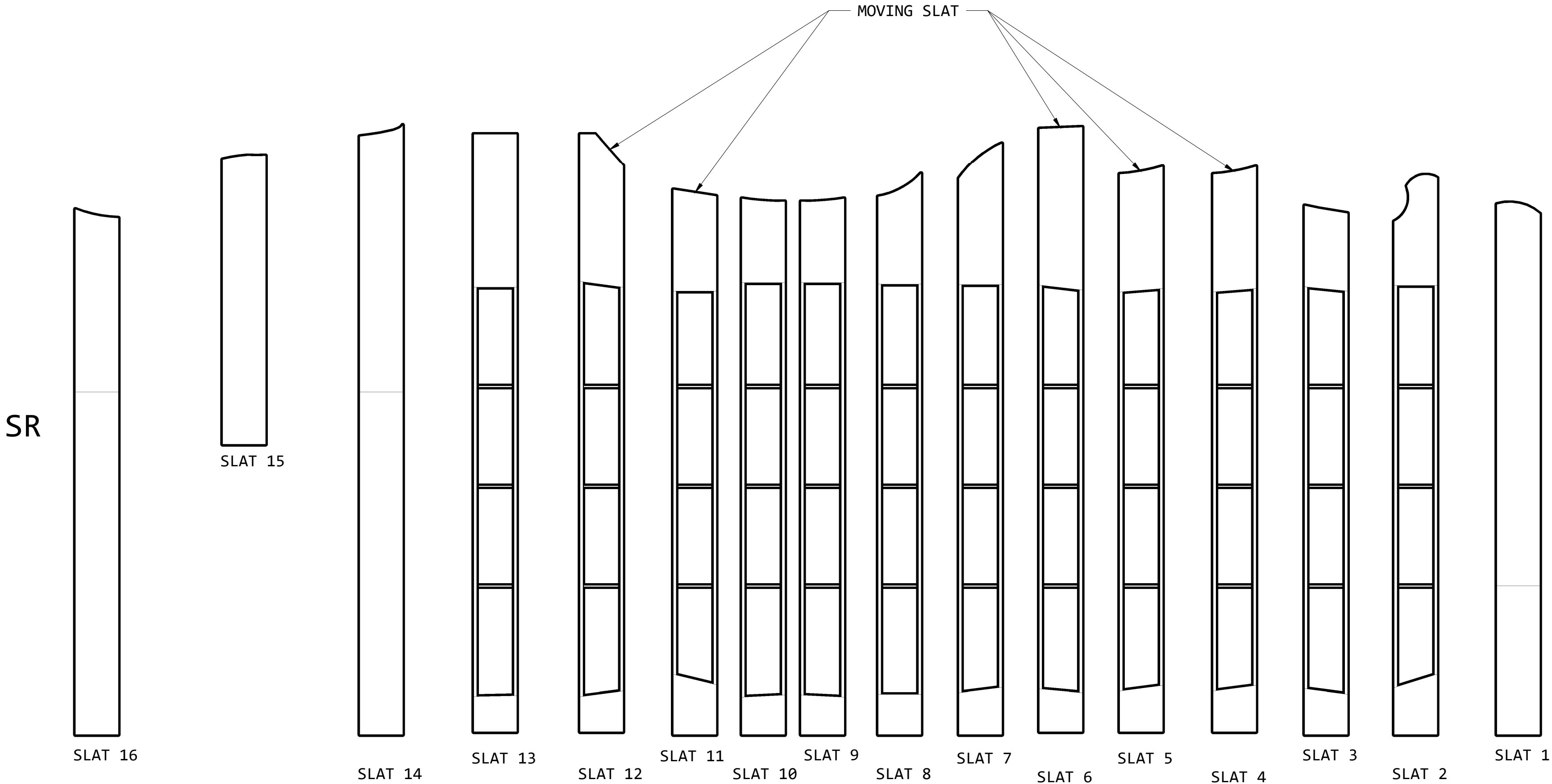
1x4 FRAMING ON EDGE, 1/4" LAUAN FACING, 1/4" LUCITE RODS
GLUE & STAPLE
TOP LAUAN IS CNC'd



A
8 **MOVING SLAT DETAIL**
NOTES:
PLACE ASSEMBLY IN FRAME, GLUE & STAPLE, ADD TOP 1x4, GLUE & STAPLE
SCALE: 3"=1'-0"



BOTTOM VIEW



SR

SL

C
8 **SLAT OVERVIEW - FRONT VIEW**
NOTES:
16 SLATS ON WALL B, 5 ROLL, 11 STATIC
CONSTRUCTION OVERVIEW - ROLLER ASSEMBLY COVERED IN DETAIL ON PLATE 9
CNC LAUAN FACING, ROLLING SLAT ROLLER PLY MOUNTS
CUT 1X4, 1/4" CLEAR LUCITE ROD, ROLLER ASSEMBLY PIECES
DRILL HOLES IN 1X4 FRAMING FOR LUCITE RODS, JIGSAW 1X4 PIECES FOR MOVING WALLS
GLUE & STAPLE 1X4 FRAME WOTH RODS IN PLACE WITH CONTACT ADHESIVE, STRETCH SCRIM ON EXPOSED FRAME AVOIDING THE ROLLER ASSEMBLY, STAPLE ON BACK OF SLAT
ATTACH ROLLER ASSEMBLY & FINAL 1X4 PIECE FOR MOVING SLATS
GLUE & STAPLE LAUAN WHERE NOT COVERING ROLLER ASSEMBLY, SCREW LAUAN OVER ROLLER ASSEMBLY
SCALE: 1/2"=1'-0"



TITLE:

STOSHIC

SCENIC UNIT:
WALL B

PLATE TITLE:
SLAT DETAIL

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE:
1/15/2025

SCALE:
AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

CHECKED BY:

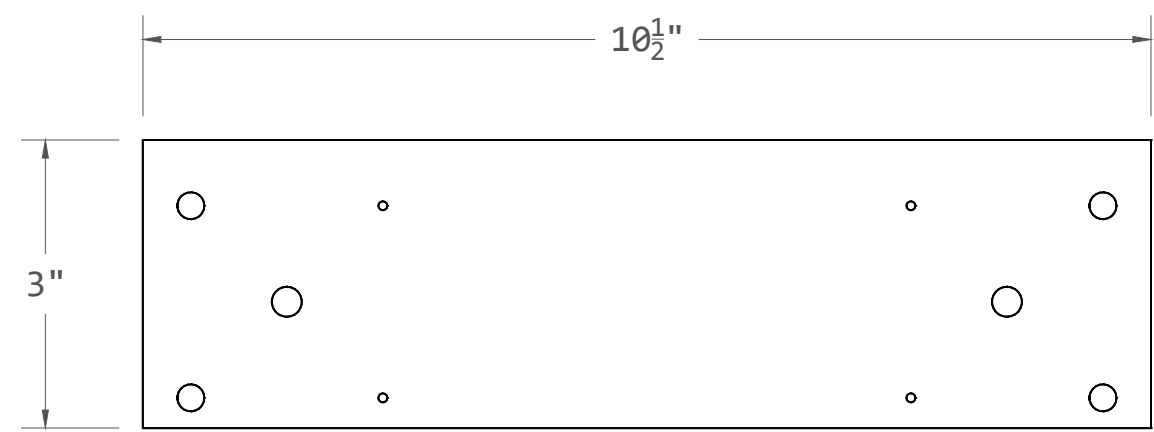
/ /

APPROVAL:

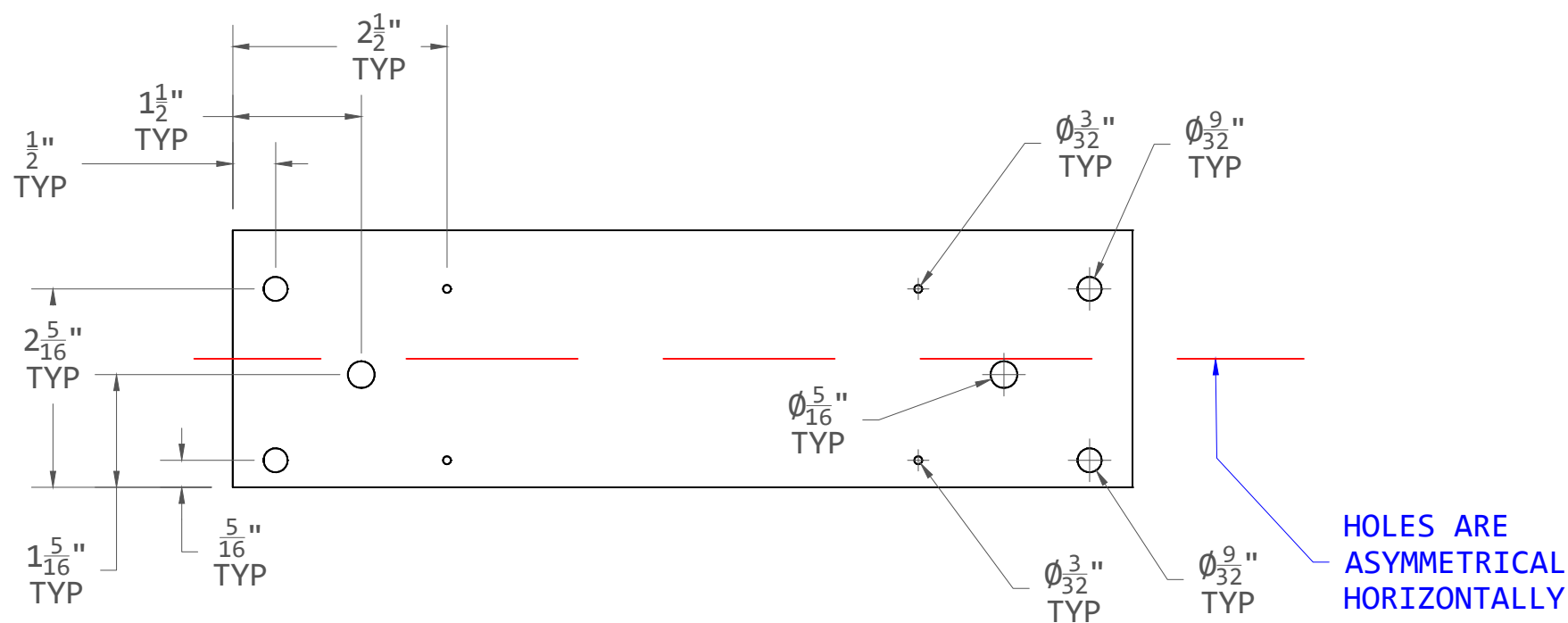
DATE: / /

PAGE:

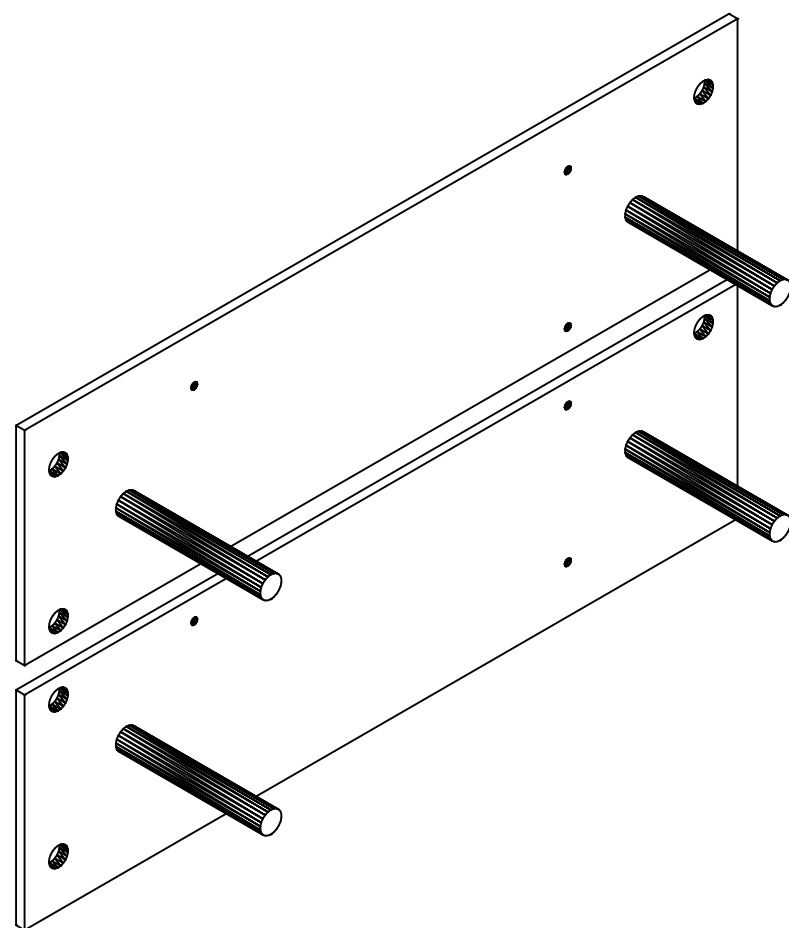
8 OF 11



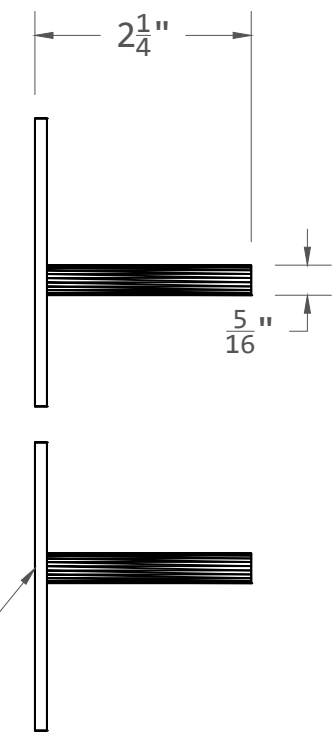
OVERALL LAYOUT



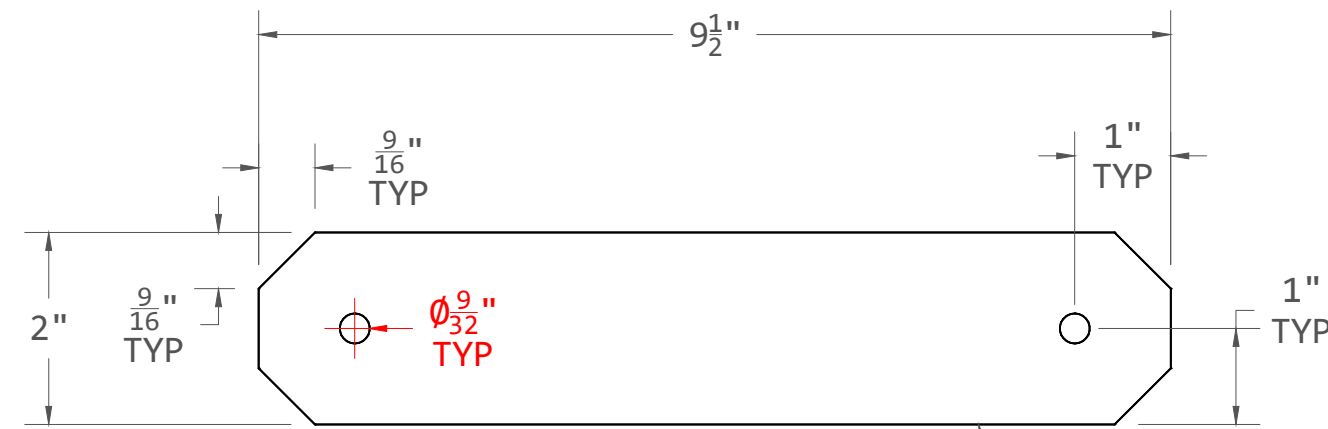
HOLE LAYOUT



ISO VIEW



SIDE VIEW



FRONT VIEW

A SLAT ROLLER WHEEL MOUNT - FRONT VIEW

NOTES:
1/8"x3" FLAT BAR
SHEAR TO LENGTH & PUNCH HOLES WITH IRONWORKER
GRIND OFF SHARP POINTS
5/16 DIAMETER HOLES WILL BE WELDED IN NEXT STEP
CUT & PREP 10

SCALE: 6"=1'-0"

B SLAT ROLLER WHEEL MOUNT (2 SHOWN)

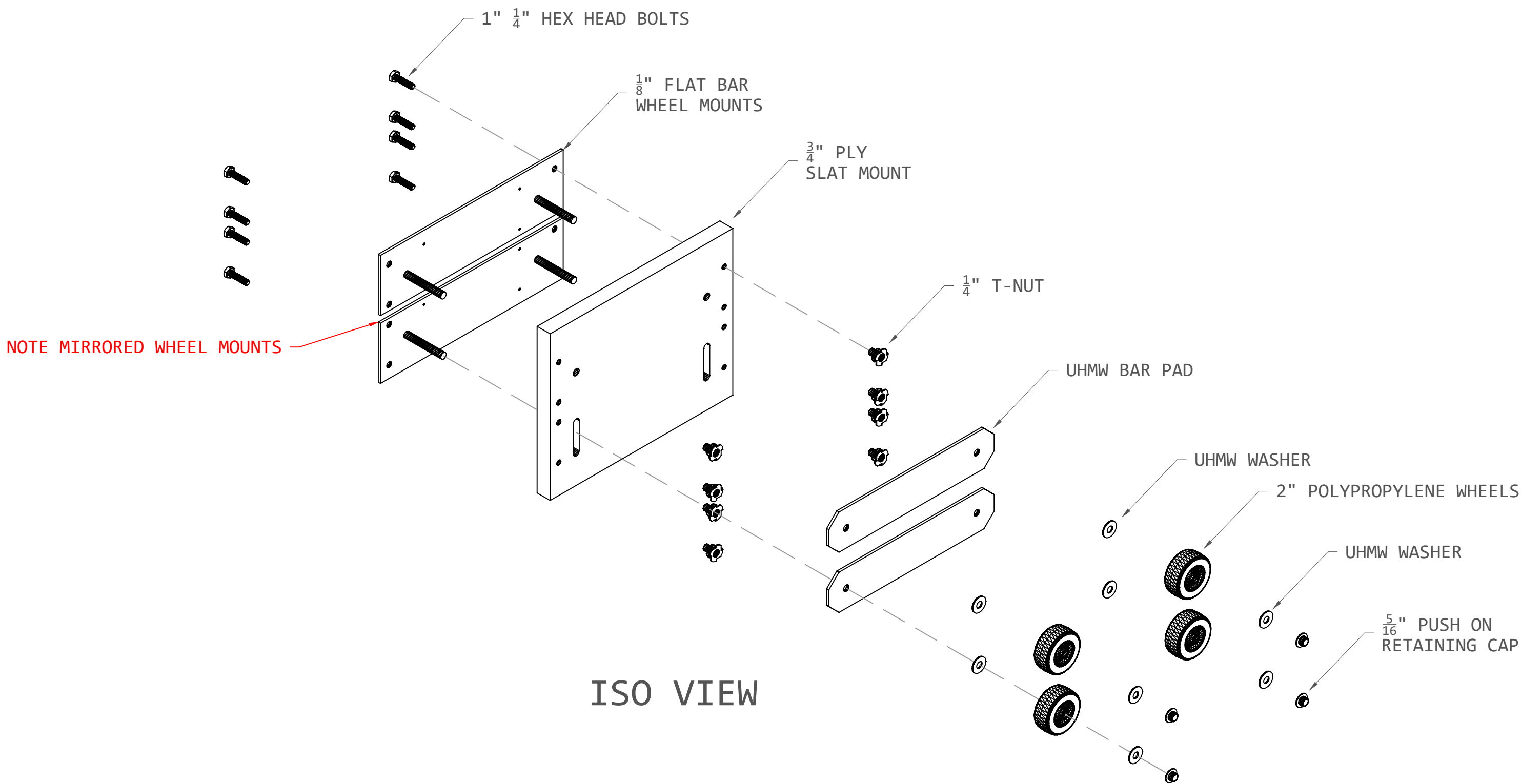
NOTES:
1/8"x3" STEEL FLAT BAR, 5/16" STEEL ROD
CUT ROD TO LENGTH
WELD ROD IN PLACE ONLY ON BACK SIDE
CUT 20 RODS
WELD 10 WHEEL MOUNTS

SCALE: 6"=1'-0"

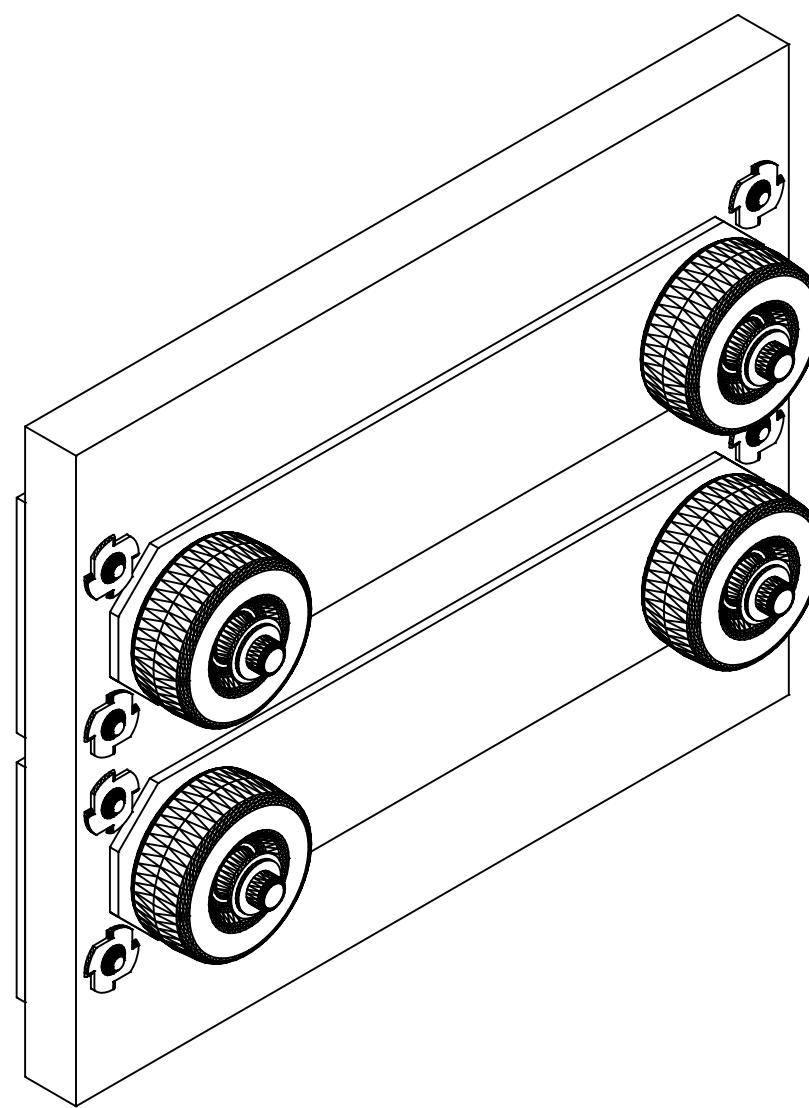
C UHMW PAD

NOTES:
2" UHMW BAR
CUT TO LENGTH, CUT CORNERS
DRILL HOLES
LIGHTLY SAND ANY ROUGH EDGES OR HOLES
CUT 20

SCALE: 6"=1'-0"



ISO VIEW



ISO VIEW

D SLAT ROLLER ASSEMBLY

NOTES:
1" 1/4" BOLTS, STEEL WHEEL MOUNTS, PLY SLAT MOUNT, 1/4" T-NUT, UHMW BAR PAD, UHMW WASHERS, 2" POLYPROPYLENE WHEELS, 5/16" PUSH ON RETAINING CAPS
ATTACH TOP WHEEL MOUNT FIRST USING TEMPORARY SCREW HOLES THEN DRILLING & BOLTING W/ T-NUTS
SLIDE ON UHMW PAD, WASHER, WHEEL, WASHER, THEN FINALLY HAMMER ON CAP
USE 1" BOX TUBE AS SPACER, RAISE BOTTOM WHEEL MOUNT TO CLAMP BOX TUBE THEN SCREW IN PLACE
AND CONTINUE LIKE THE ABOVE MOUNT
ASSEMBLE 5 UNITS

SCALE: 3"=1'-0"

E SLAT ROLLER OVERVIEW

NOTES:
WITH THIS MOUNT, THE 14' TALL SLAT NEEDS TO STAY UPRIGHT AND SLIDE ON A 6' LONG 1" STEEL BOX TUBE
IT IS IMPORTANT THAT THE FINAL HOLES WITH THE T-NUTS BE CLOSE ENOUGH TO THE TOP TO ACHIEVE AN ADEQUATE CLAMPING FORCE
ASSEMBLE 5 UNITS

SCALE: 6"=1'-0"



TITLE:

STOSH

SCENIC UNIT:
WALL B SLATS

PLATE TITLE:
SLAT ROLLER ASSEMBLY

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE:
1/15/2025

SCALE:
AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

CHECKED BY:

/ /

APPROVAL:

DATE: / /

PAGE:

9 OF 11



TITLE:

STOSH

SCENIC UNIT:
WALL B

PLATE TITLE:
HEADER & FOOTER

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE:
1/15/2025

SCALE:
AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

CHECKED BY:

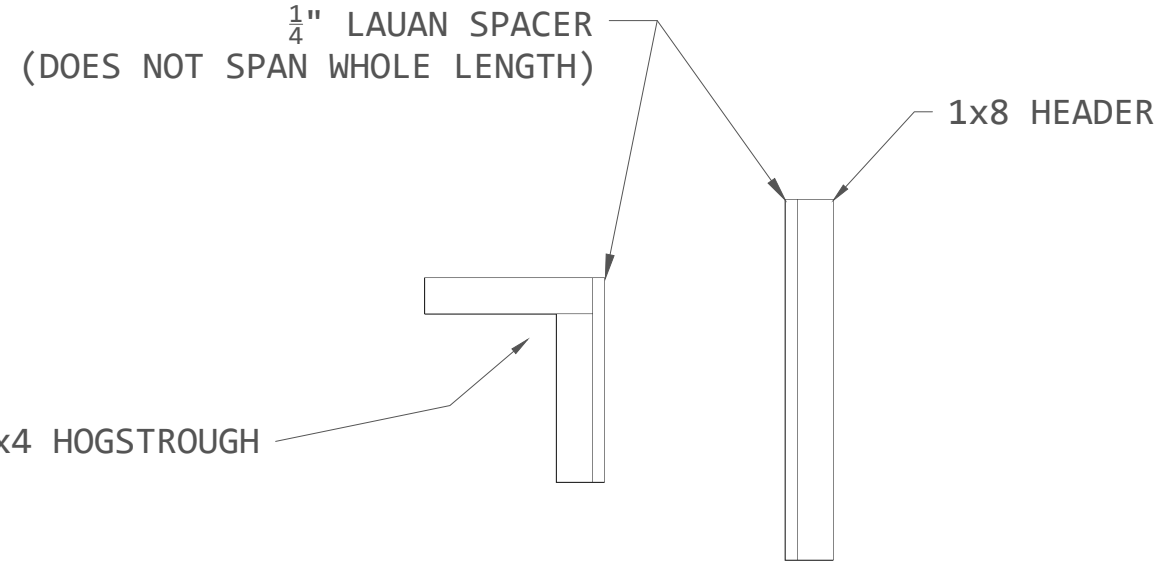
/ /

APPROVAL:

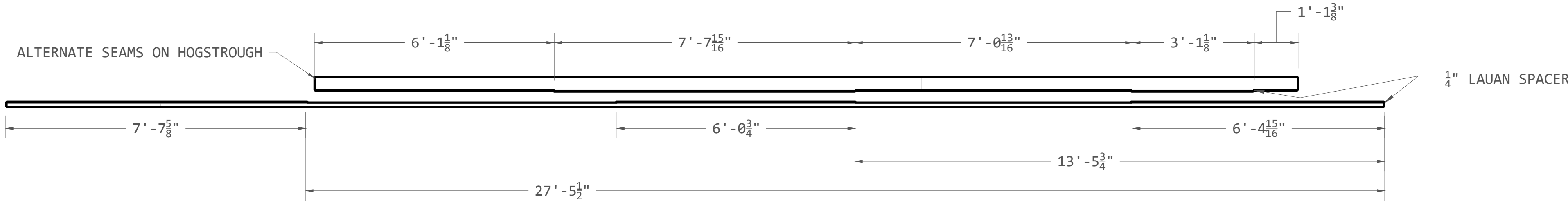
DATE: / /

PAGE:

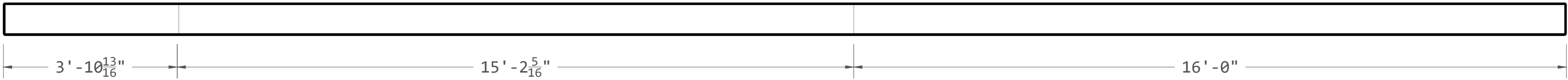
10 of 11



LEFT VIEW
SCALE: 3"=1'-0"



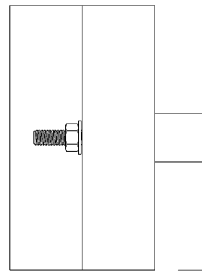
LAUAN SPACER
TOP VIEW
SCALE: 1/2"=1'-0"



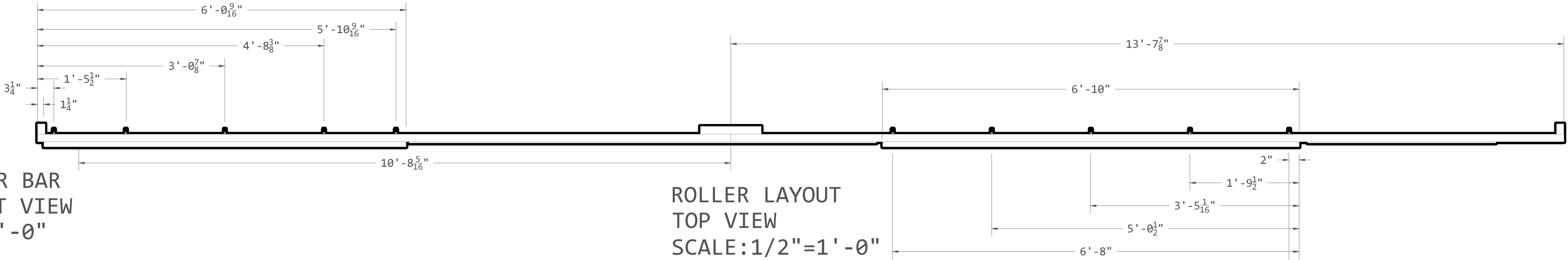
HEADER LAYOUT
FRONT VIEW
SCALE: 1/2"=1'-0"

WALL B HEADER
NOTES:
1X8 FRONT SCREWED TO STATIC FLATS
1X4 HOGSTROUGH BEHIND FLATS SCREWED TO STATIC SLATS & WALL FLATS

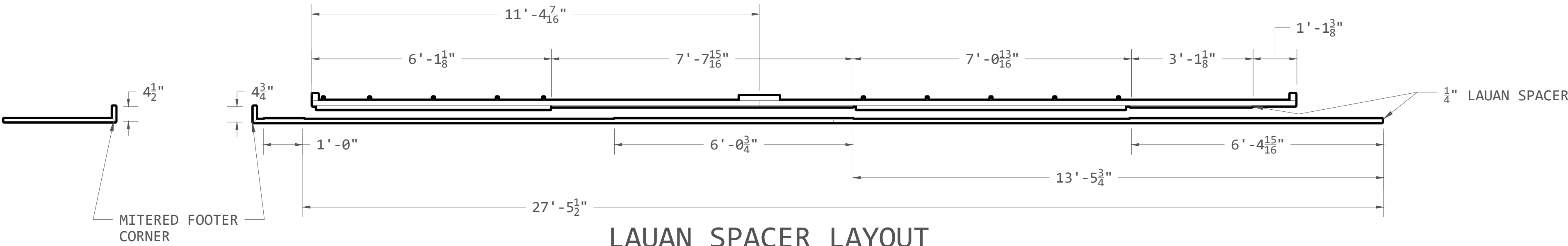
SCALE: 1/2"=1'-0"



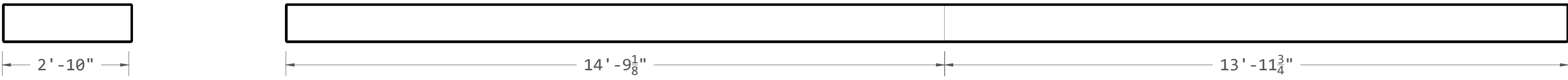
SLAT ROLLER BAR
LAYOUT LEFT VIEW
SCALE: 3"=1'-0"



ROLLER LAYOUT
TOP VIEW
SCALE: 1/2"=1'-0"



LAUAN SPACER LAYOUT
TOP VIEW



FOOTER LAYOUT
FRONT VIEW

WALL B FOOTER
NOTES:
2X6 BEHIND SLATS WITH FLAT BOLTED 1" SQ 16 GA TUBE WHERE THE SLATS CAN ROLL WITH SPACER BLOCKS TO BE AT THE RIGHT HEIGHT
1X10 IN FRONT OF FLATS WITH MITERED CORNERS IN FRONT OF DOOR

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



TITLE:

STOCHOS

SCENIC UNIT:
WALL B

PLATE TITLE:
INSTALL DETAIL

DETAILER:
JOSEPH FLECK
JOEF@ANDREW.CMU.EDU
(810) 813-2177

DATE:
1/15/2025

SCALE:
AS NOTED

DESIGNER:
PHOEBE HUGGETT

PROJECT MANAGER:
NICK WYLIE

JOB LEAD:
ALEX REINARD

NOTES:

CHECKED BY:

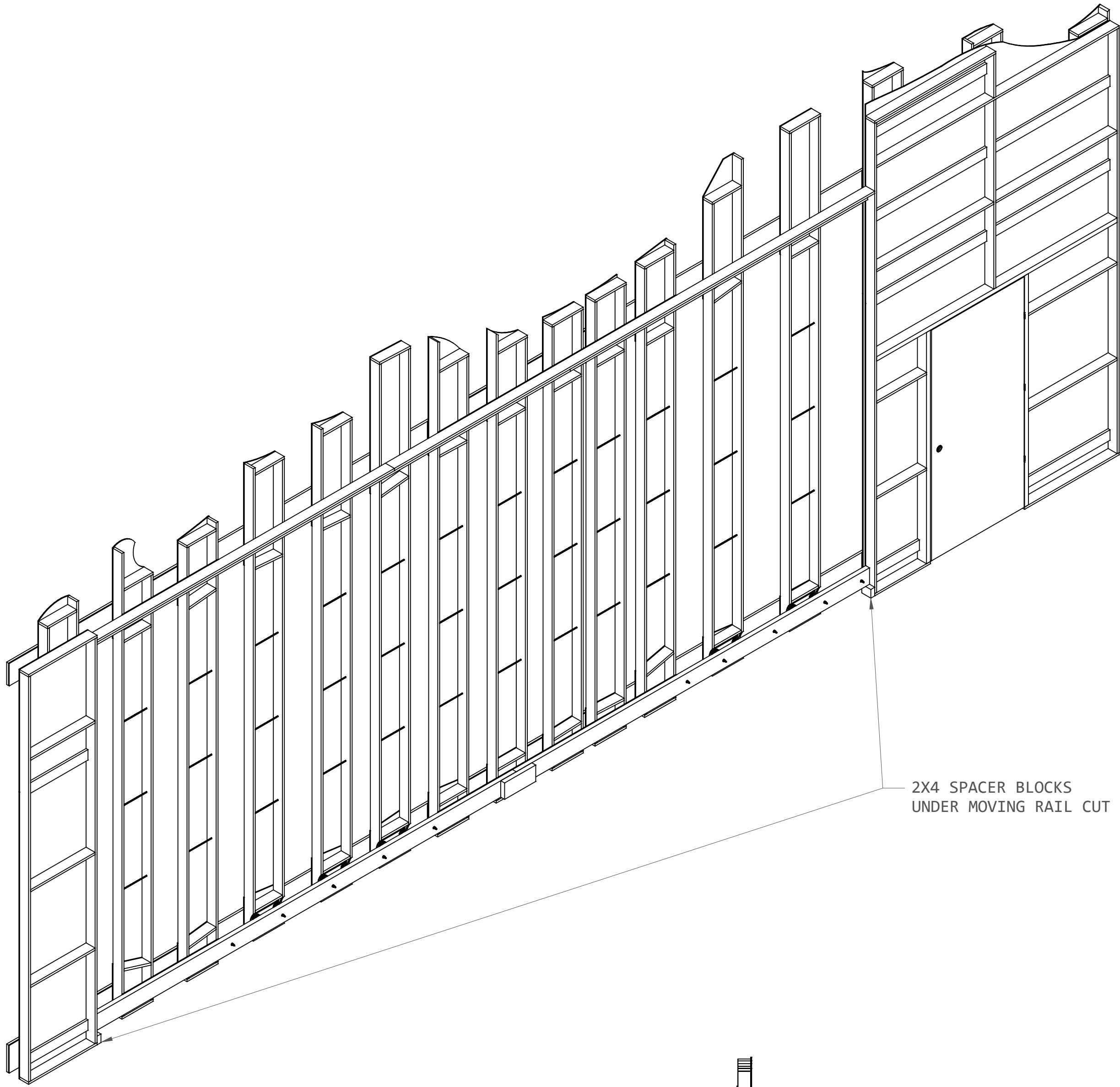
/ /

APPROVAL:

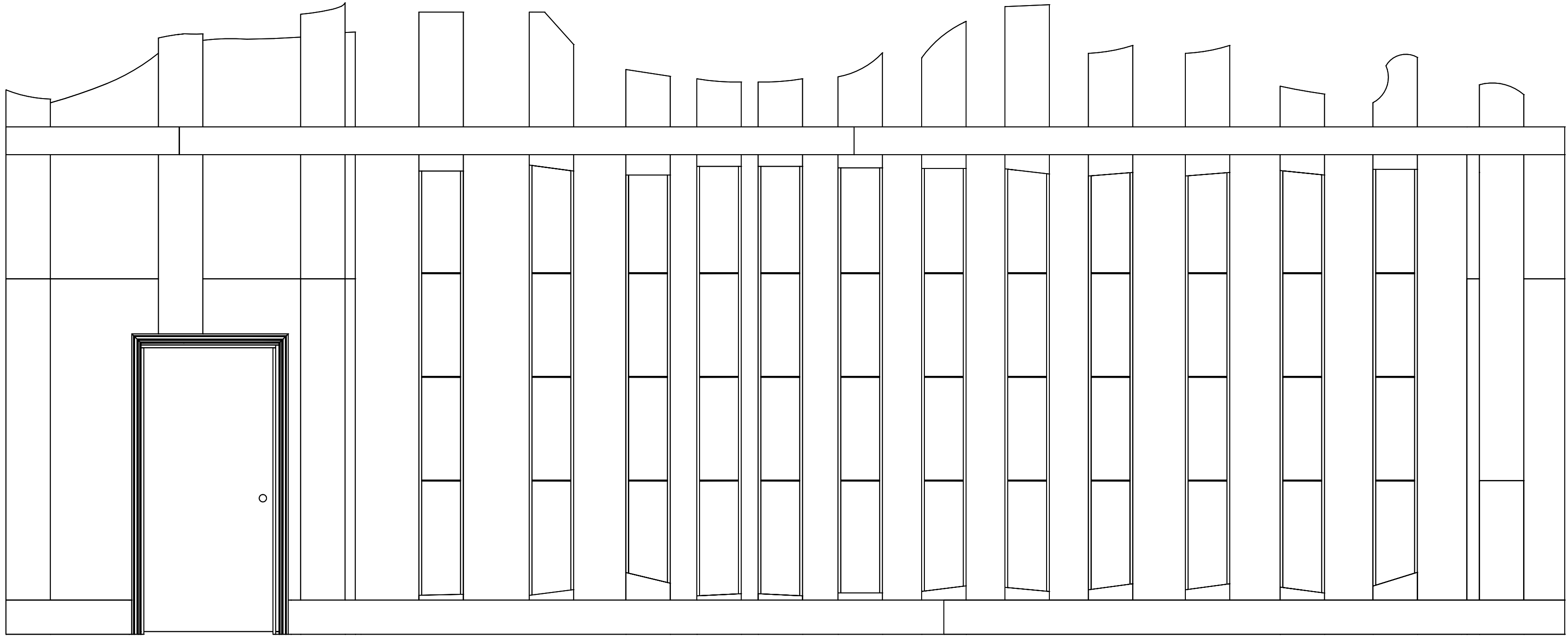
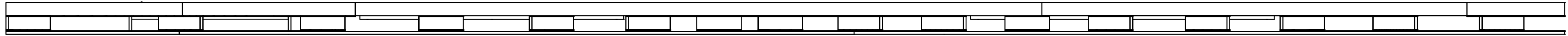
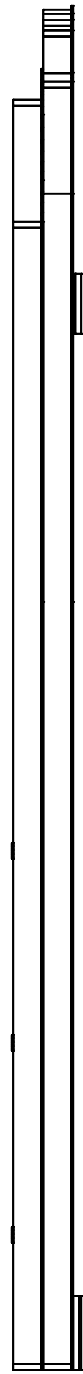
DATE: / /

PAGE:

11 OF 11



2X4 SPACER BLOCKS
UNDER MOVING RAIL CUT AT 2-7/8"



A WALL B INSTALL DETAIL

- NOTES:
- PLACE FLATS ON SPIKE WITH 2 JACKS AT EXTREME EDGES
 - ATTACH 2X4 SPACE BLOCKS FOR 1X RAIL FOR SLATS, ATTACH RAIL TO FLATS & BLOCKS
 - ATTACH SLATS AND HEADER
 - TIGHTEN MOVING SLATS ON FRONT, SCREW ON FRONT PLATES
 - ATTACH FRONT BASEBOARD

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