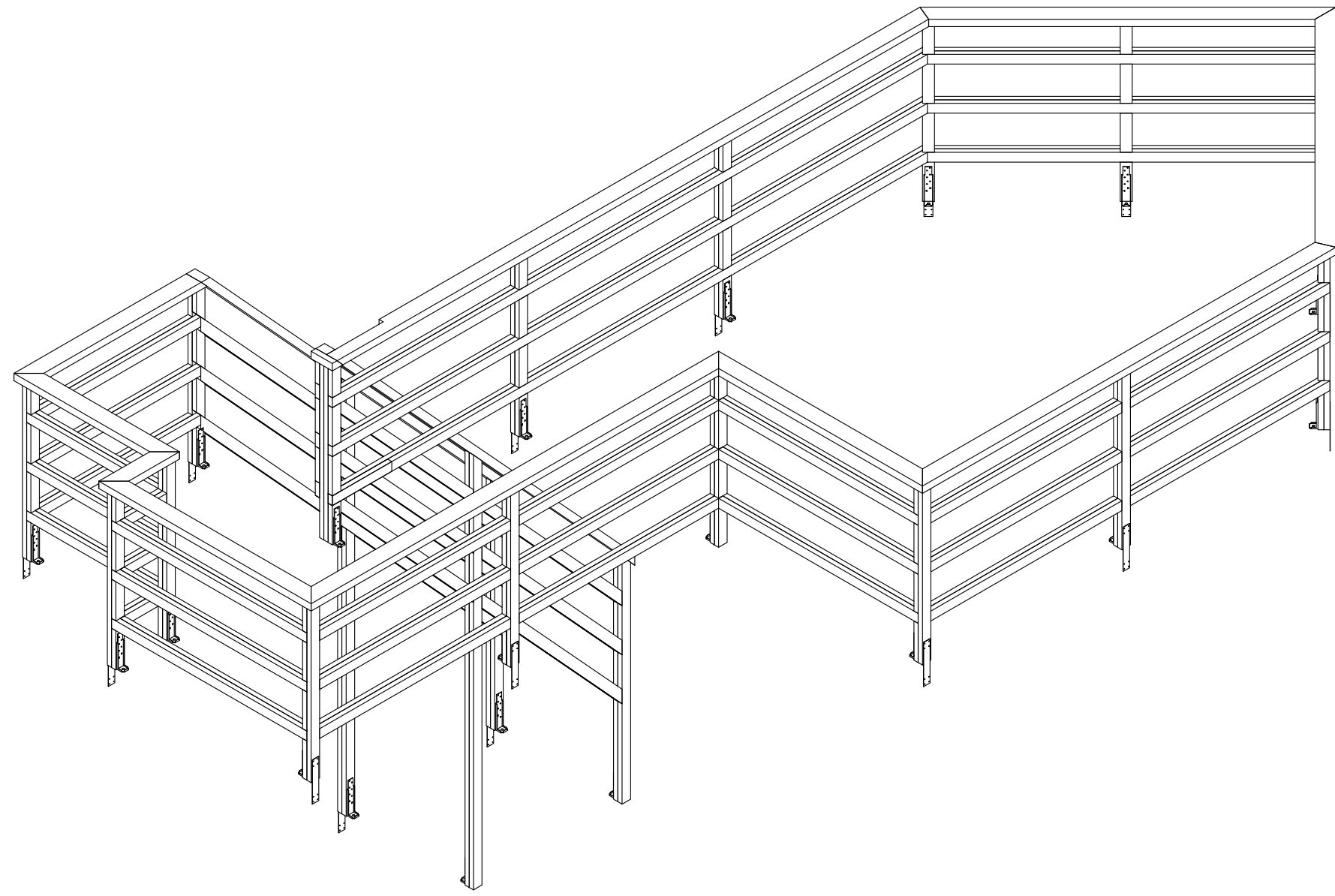
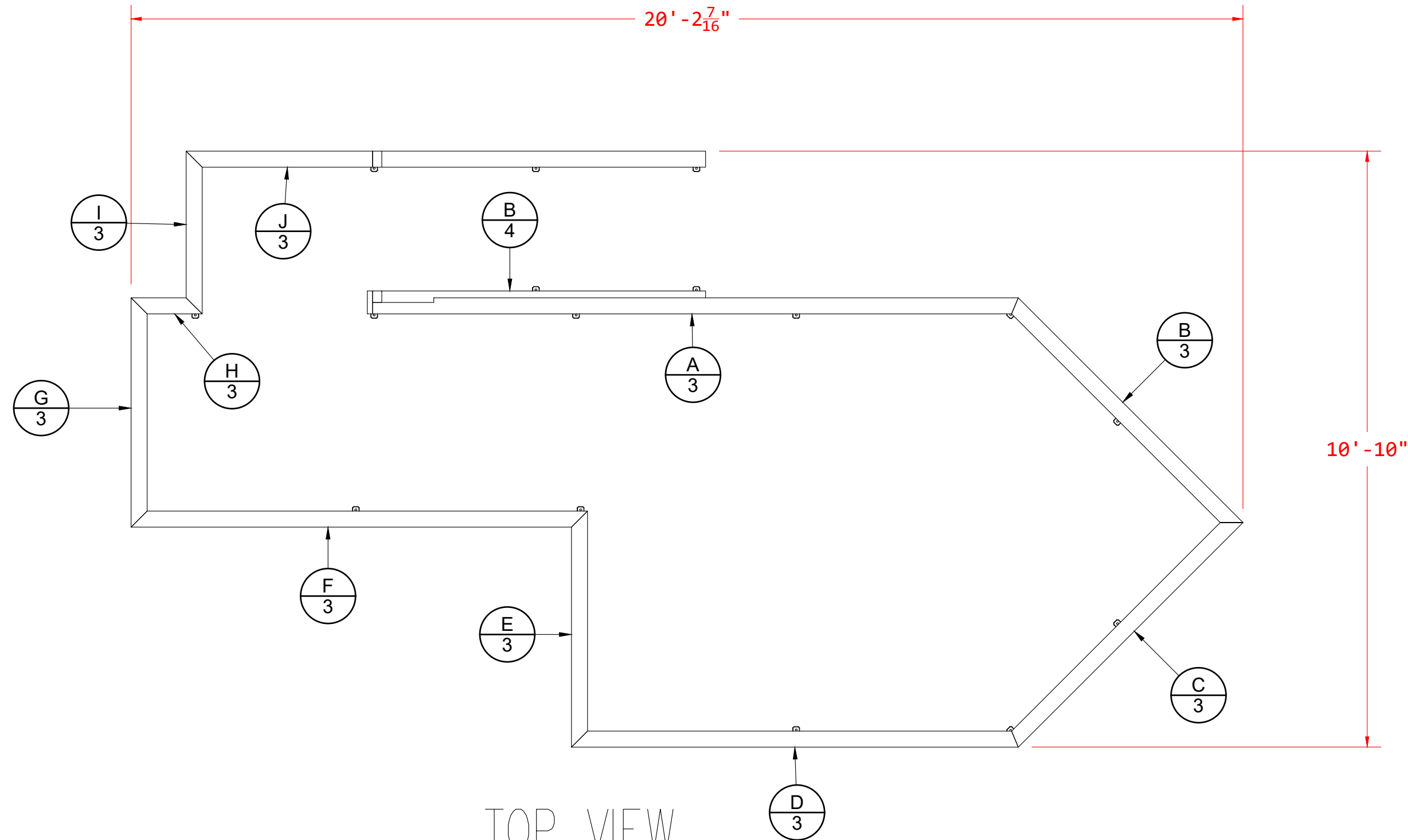
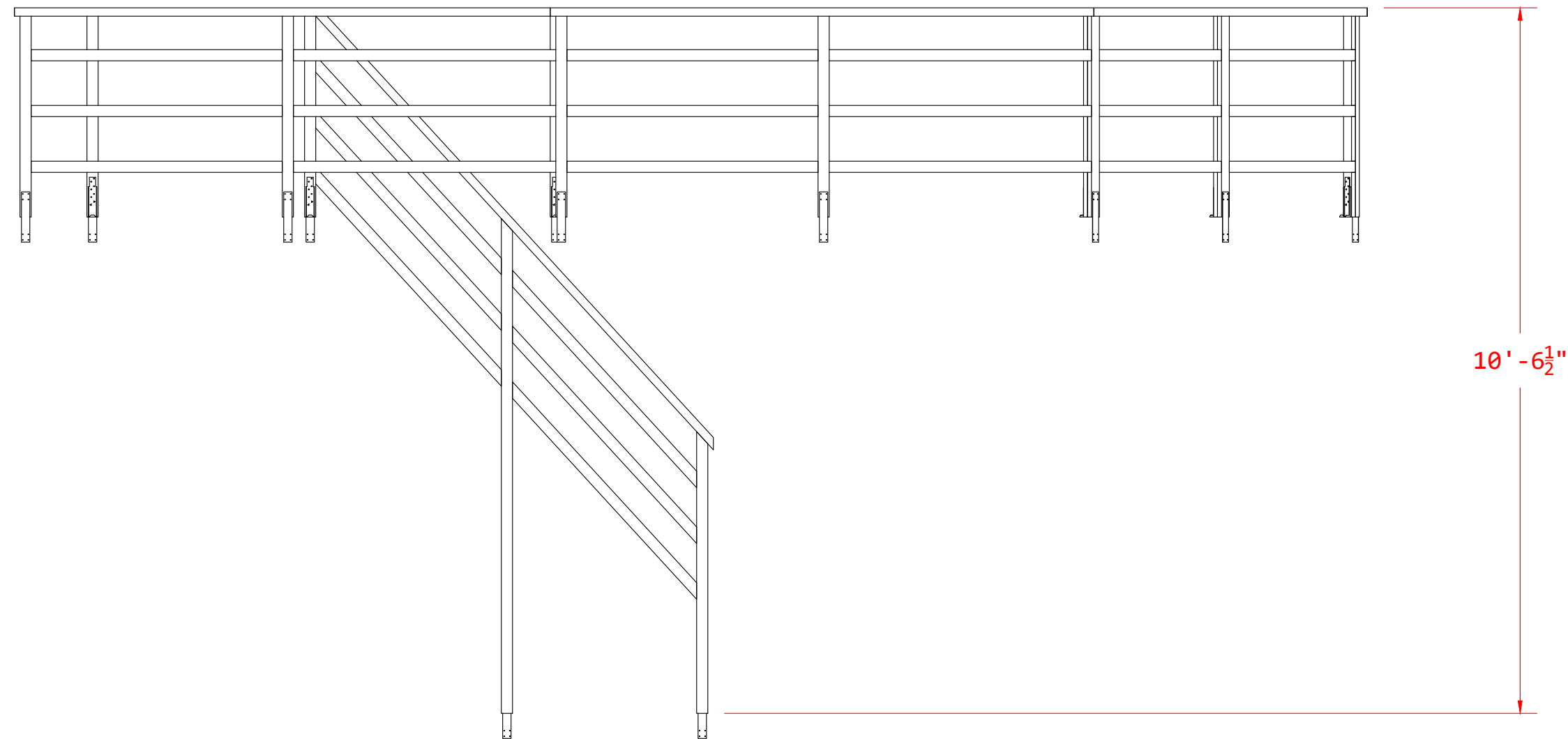




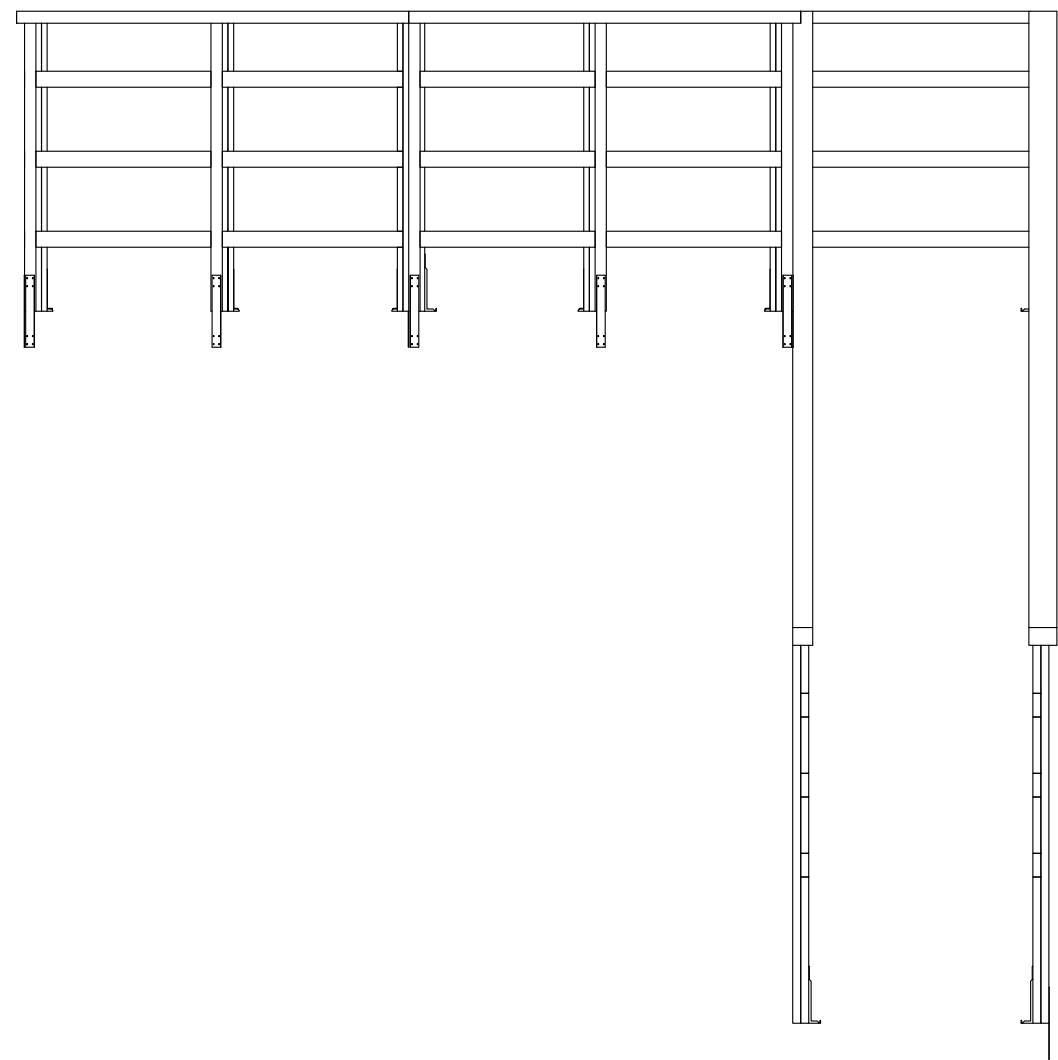
ISO VIEW



TOP VIEW



FRONT VIEW



RIGHT VIEW

HOUSEBOAT RAILING
NOTES:
BUILT FROM RIPPED DOWN NOMINAL 5/4x8 BOARD TO TRUE 1" x 2" and 2x4
TOP RAILING IS 2x4, POSTS AND HORIZONTAL RAILINGS BELOW THE TOP ARE GLUE AND STAPLED 5/4 BOARDS
STRUCTURE COMES FROM OVERLAPPED 5/4 BOARDS & SAFETY PLATES & RIGHT ANGLE TIE DOWNS
ATTACH AFTER ALL FACING IS ON UPPER LEVEL & ESCAPE STAIRS ARE ATTACHED

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



TITLE:

MR. S
WILSON

SCENIC UNIT:
HOUSEBOAT RAILING

PLATE TITLE:
OVERVIEW

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

DATE:
10/21/2024

SCALE:
AS NOTED

DESIGNER:
VISCAYA WILSON

PROJECT MANAGER:
SOPHIE RODRIGUEZ

JOB LEAD:
TANE MULLER

NOTES:

CHECKED BY:

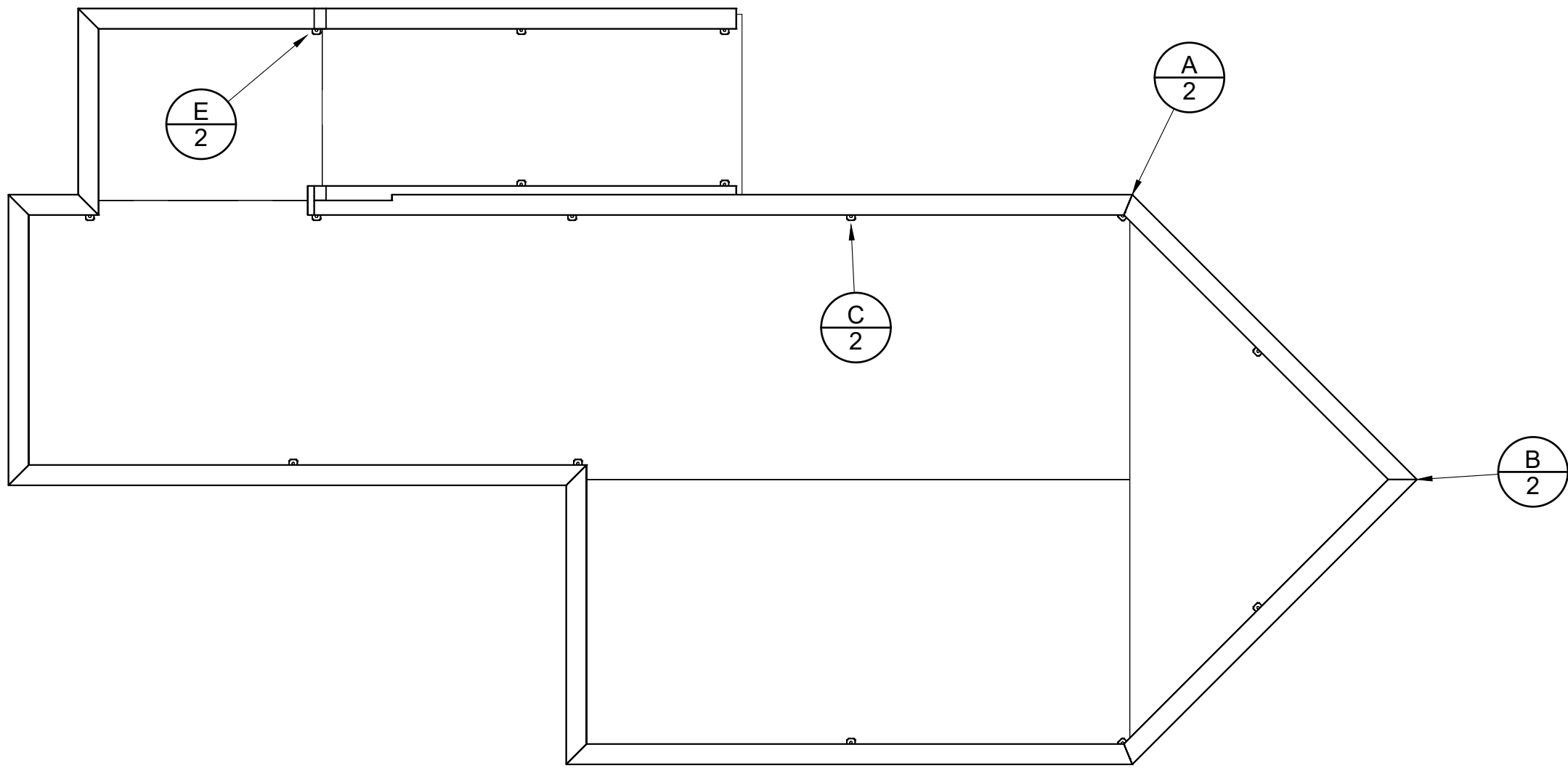
/ /

APPROVAL:

DATE: / /

PAGE:

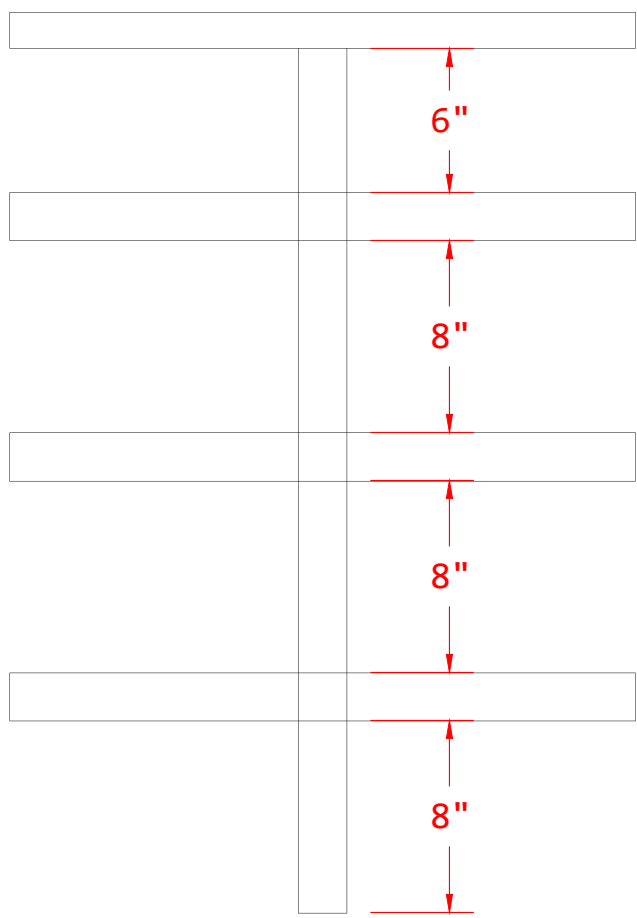
1 OF 4



1 HOUSE BOAT RAILING OVERVIEW - TOP VIEW

NOTES:

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

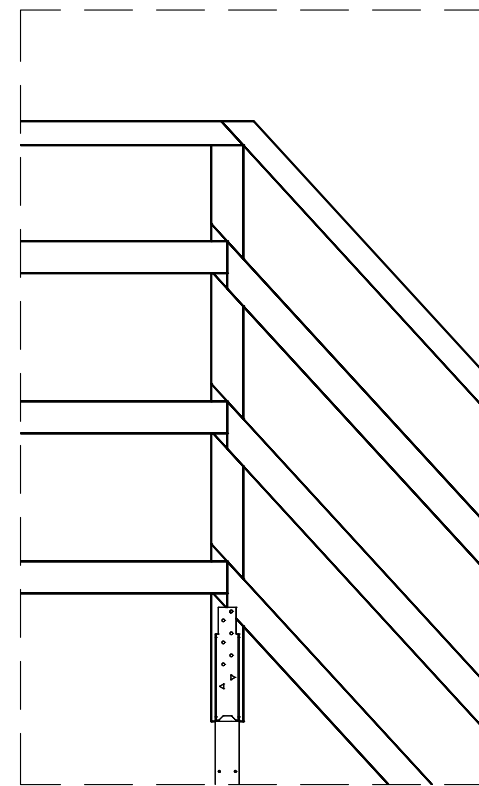


2 HOUSEBOAT RAILING - POST SPACING DETAIL

NOTES:

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

RIP DOWN 5/4 x 8 BOARD TO 1" x 2" TRUE
ABOVE DIMENSIONS ARE TRUE FOR ALL POSTS NOT CONNECTED
TO ESCAPE STAIR RAILING



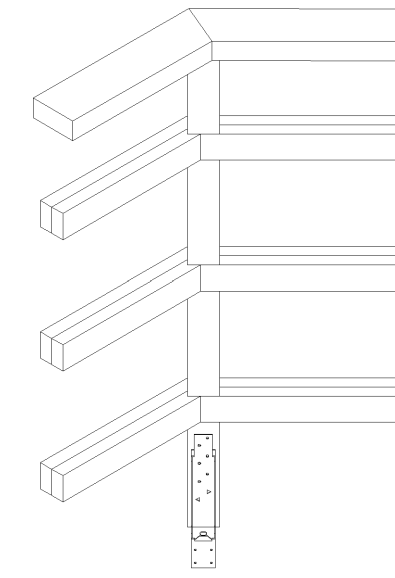
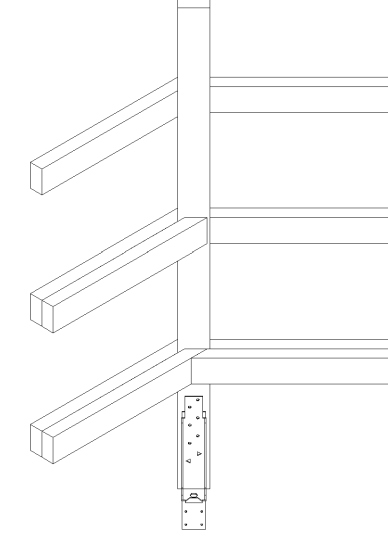
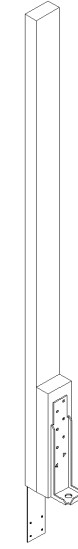
E HOUSEBOAT RAILING - ANGLE POST EXAMPLE

NOTES:

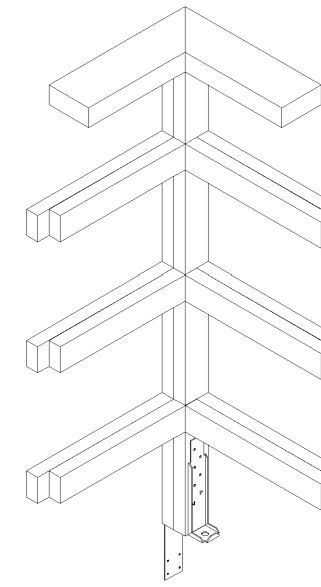
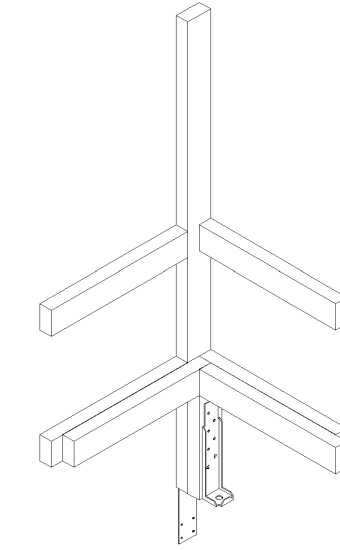
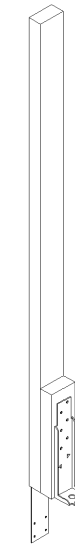
SCALE: 1"=1'-0"

DIMENSIONS & ANGLES FIT TO ESCAPE STAIR

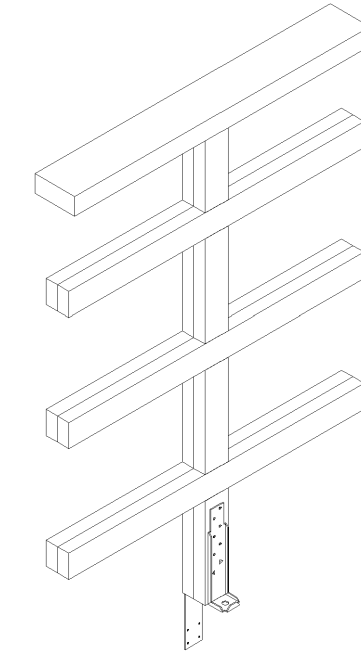
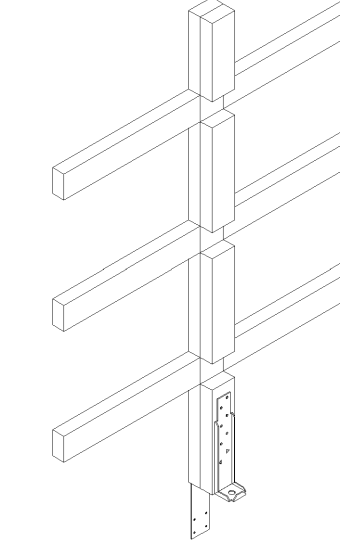
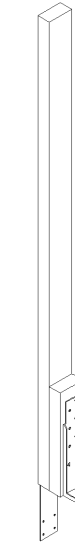
A/2



B/2



C/2



3 HOUSEBOAT RAILING -POST BUILD EXAMPLES

NOTES:

SCALE: 1"=1'-0"

ABOVE IS AN RECOMMENDED BUILD FOR THE 90 DEG CORNER
GLUE & STAPLE BOARD TO BOARD CONNECTIONS, GLUE & SCREW 2x4, SCREW METAL PIECES
START WITH THE 3' 1x2 & ATTACH 8" BOARD THEN ATTACH TO UPPER LEVEL
WITH TIE DOWN & SAFETY PLATE
ATTACH CONTINUOUS BOARDS BETWEEN POSTS THEN ATTACH OVERLAPPING BOARDS
ATTACH BOARD SPACERS AS GOING UP
FINALLY ATTACH TOP 2x4 TOP RAIL (PLATE 4)



TITLE:

MR. S
BURNS

SCENIC UNIT:
HOUSEBOAT RAILING

PLATE TITLE:
POST DETAILS

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

DATE:
10/21/2024

SCALE:
AS NOTED

DESIGNER:
VISCAYA WILSON

PROJECT MANAGER:
SOPHIE RODRIGUEZ

JOB LEAD:
TANE MULLER

NOTES:

CHECKED BY:

/ /

APPROVAL:

DATE: / /

PAGE:

2 OF 4



TITLE:

DR'S
N
R
B

SCENIC UNIT:
HOUSEBOAT RAILING

PLATE TITLE:
5/4 RAILING PIECES

DETAILER:
JOE FLECK
JOEF@ANDREW.CMU.EDU
(810)–813–2177

DATE:
10/21/2024

SCALE:
AS NOTED

DESIGNER:
VISCAYA WILSON

PROJECT MANAGER:
SOPHIE RODRIGUEZ

JOB LEAD:
TANE MULLER

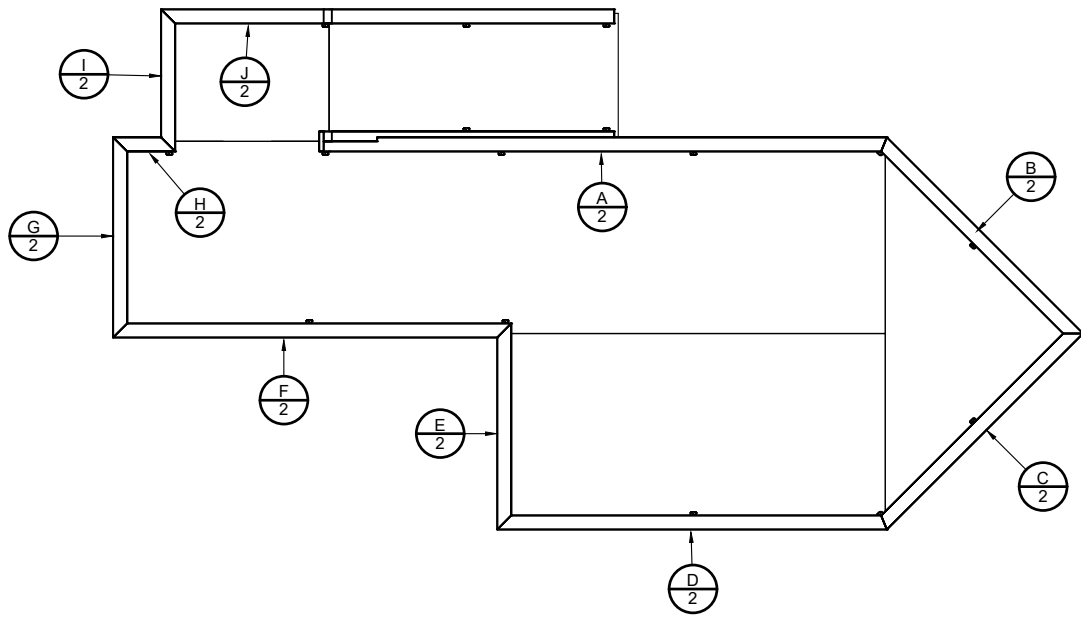
NOTES:

CHECKED BY:
/ /

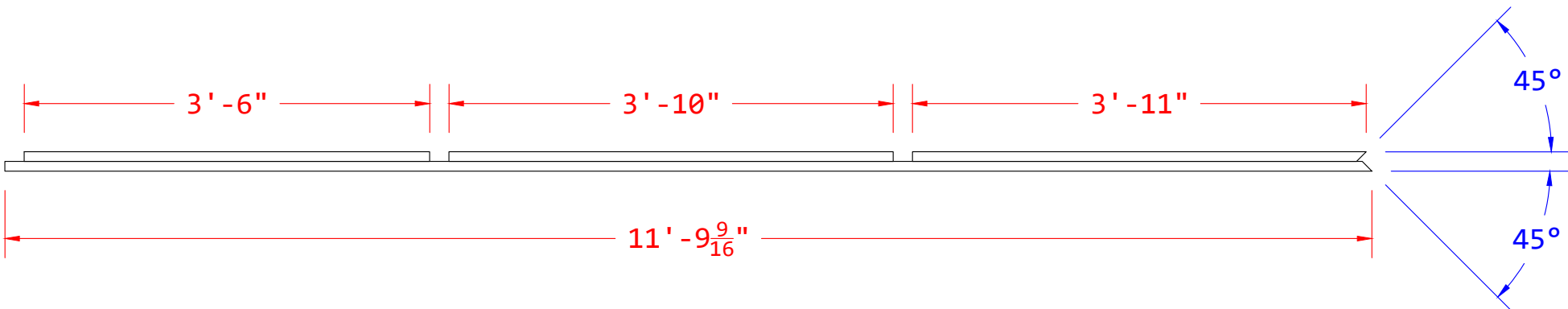
APPROVAL:

DATE: / /

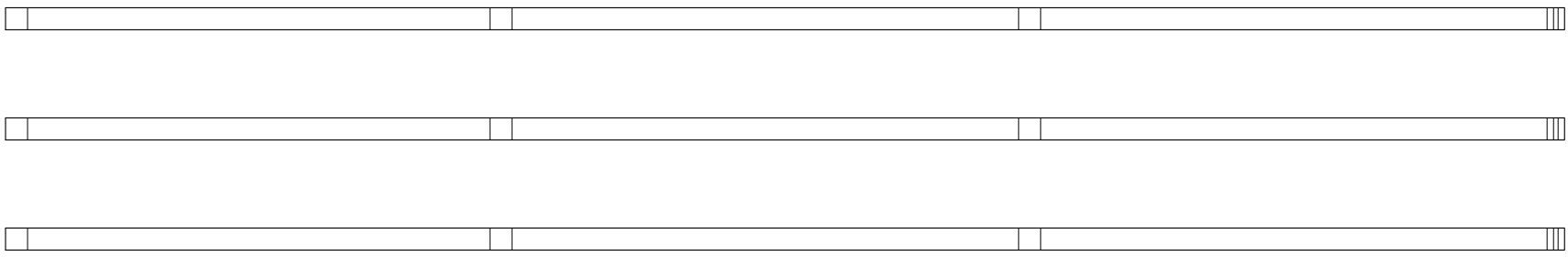
PAGE:



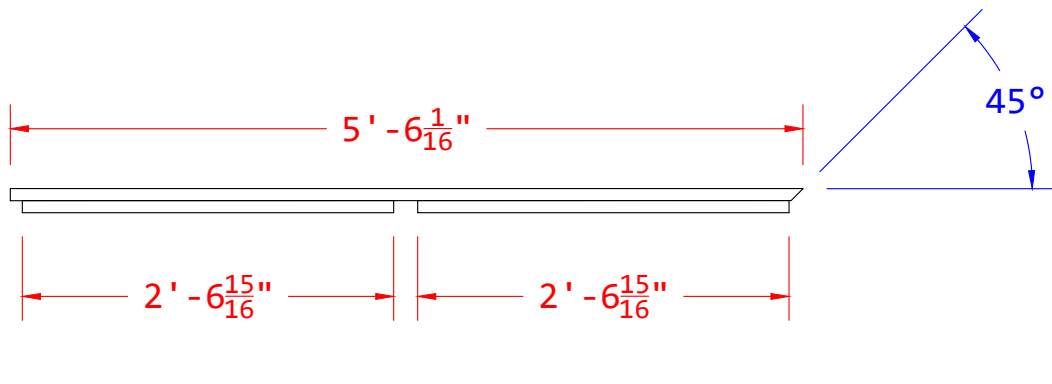
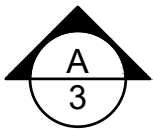
1
3HOUSEBOAT RAILING OVERVIEW - TOP VIEW
NOTES:
OVERVIEW FOR CONVENIENCE, ENLARGED ON PLATE 1
SCALE: 1/4"=1'-0"



TOP VIEW



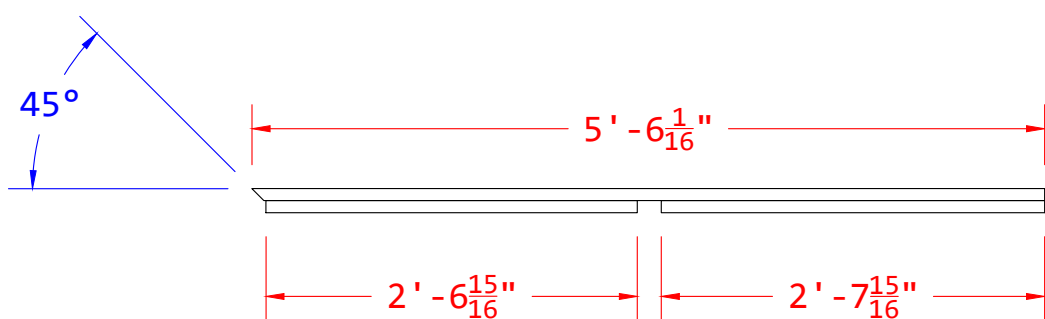
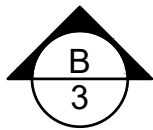
FRONT VIEW



TOP VIEW



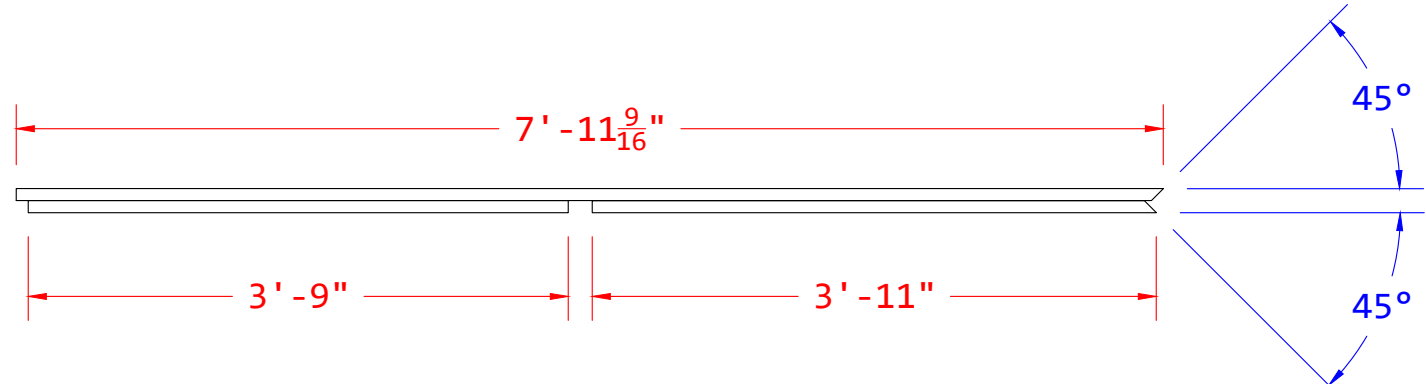
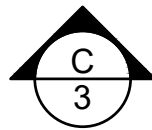
FRONT VIEW



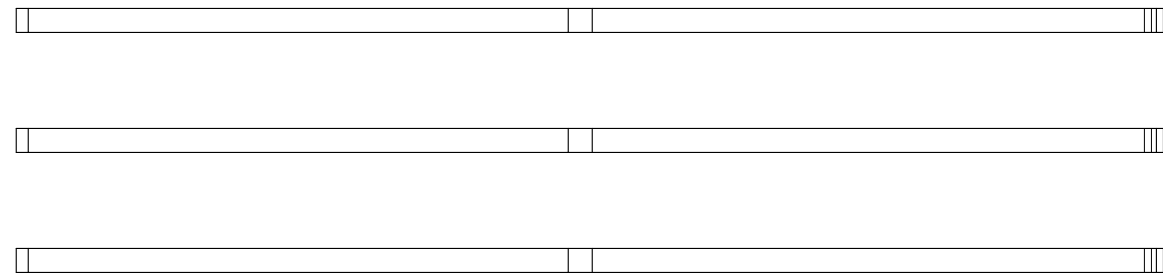
TOP VIEW



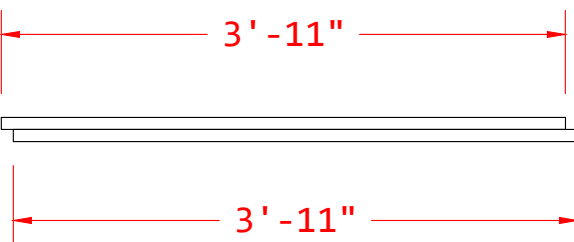
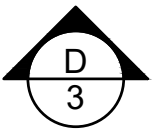
FRONT VIEW



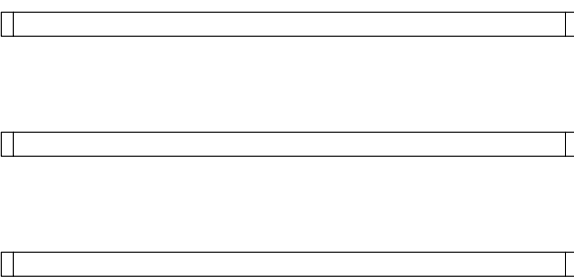
TOP VIEW



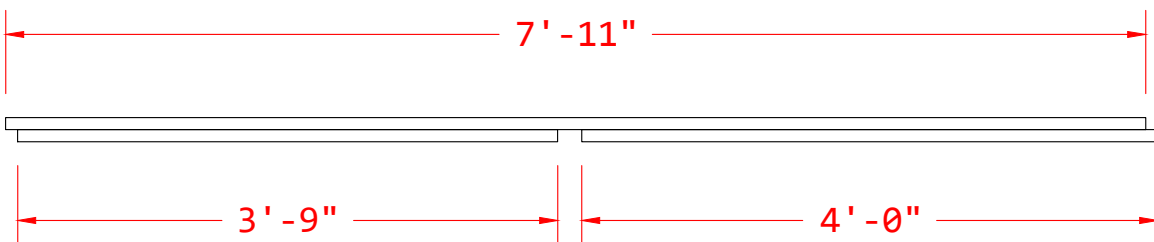
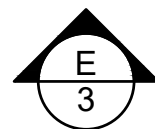
FRONT VIEW



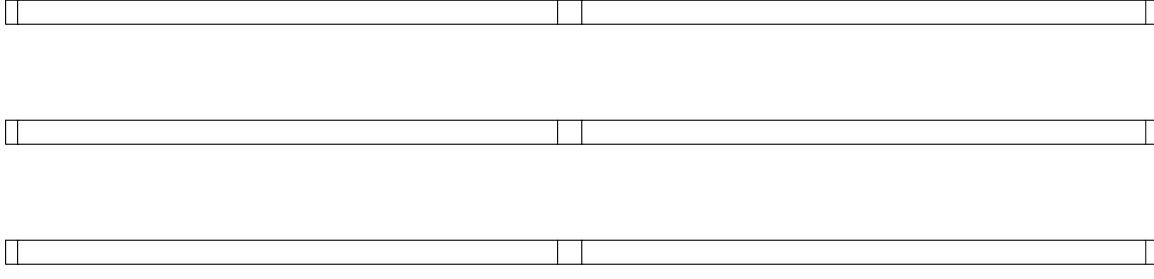
TOP VIEW



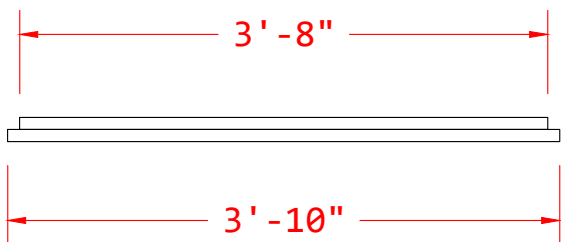
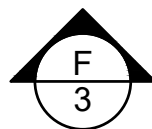
FRONT VIEW



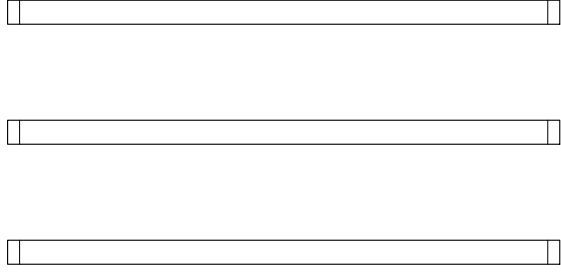
TOP VIEW



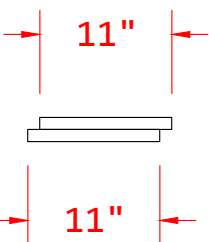
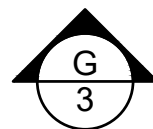
FRONT VIEW



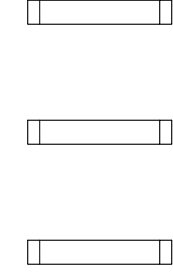
TOP VIEW



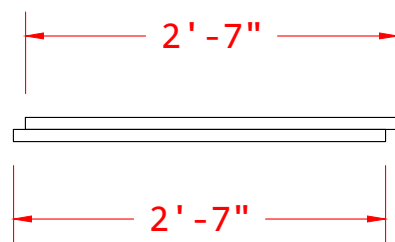
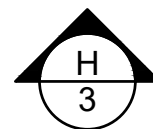
FRONT VIEW



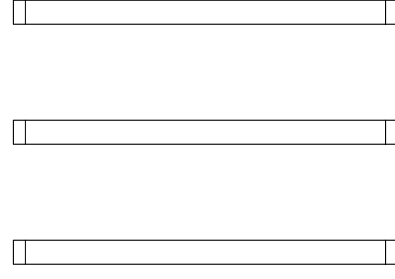
TOP VIEW



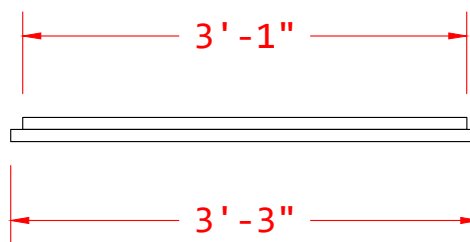
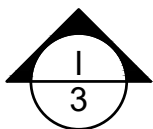
FRONT VIEW



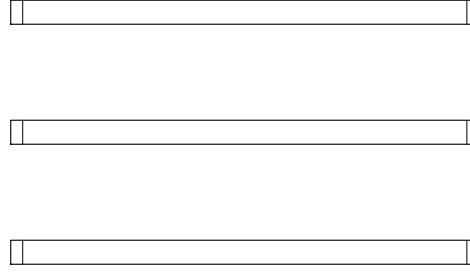
TOP VIEW



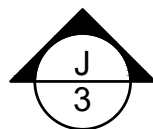
FRONT VIEW



TOP VIEW



FRONT VIEW



2
3HOUSEBOAT RAILING - SIDE RAILING

NOTES:
RIP DOWN 5/4 x 8 BOARD TO 1" x 2" TRUE
CUT TO ABOVE DIMENSIONS FOR NON-2x4 RAILING SECTIONS
DO NOT ASSEMBLE FROM THIS PLATE
ASSEMBLE ON UNIT FROM PLATE 3

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



TITLE:

MR. S
WILSON

SCENIC UNIT:
HOUSEBOAT RAILING

PLATE TITLE:
BOARD DIMENSIONS

DETAILER:
JOE FLECK
JOEF@ANDREW.CMU.EDU
(810)–813–2177

DATE:
10/21/2024

SCALE:
AS NOTED

DESIGNER:
VISCAYA WILSON

PROJECT MANAGER:
SOPHIE RODRIGUEZ

JOB LEAD:
TANE MULLER

NOTES:

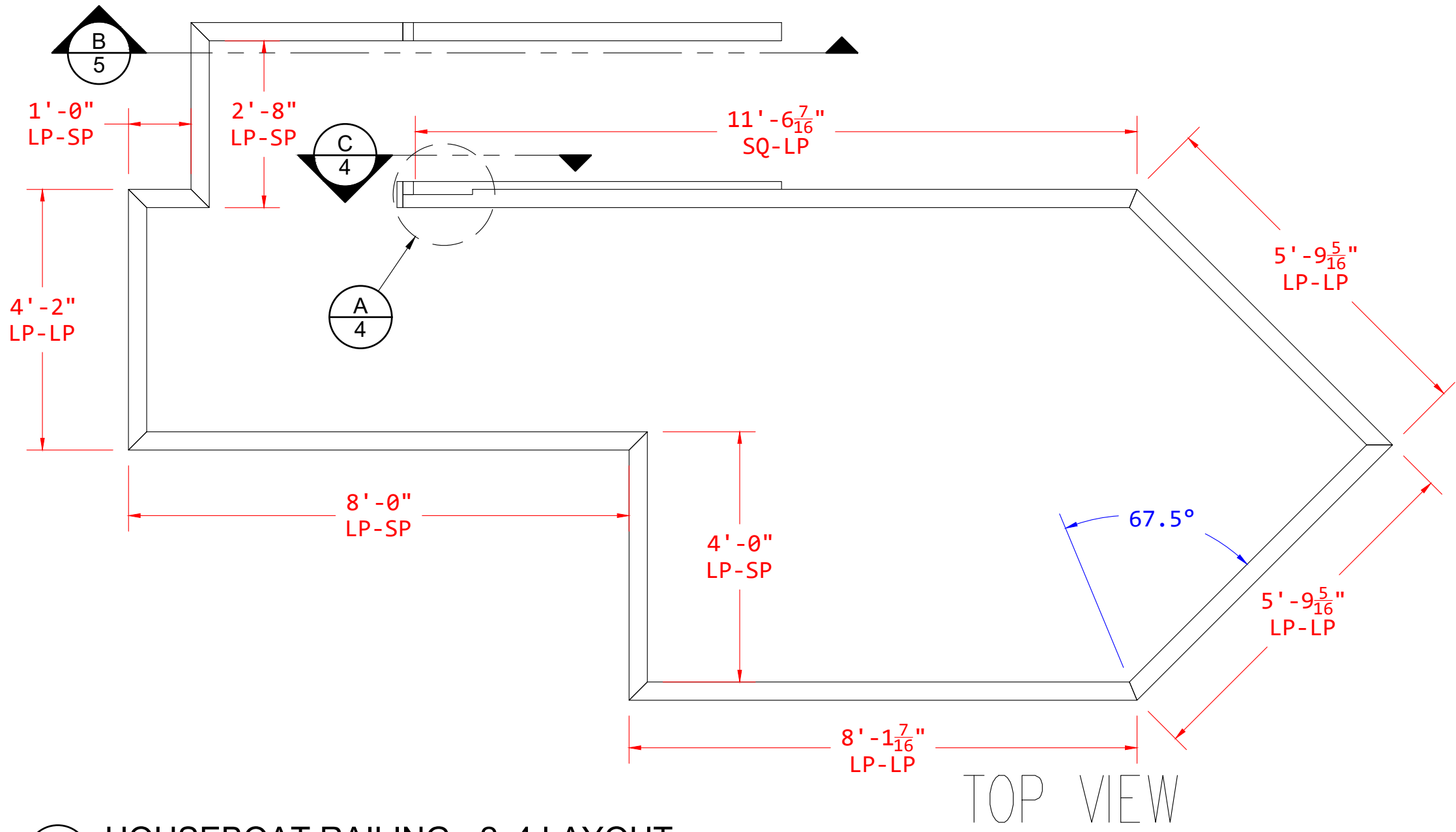
CHECKED BY:

APPROVAL:

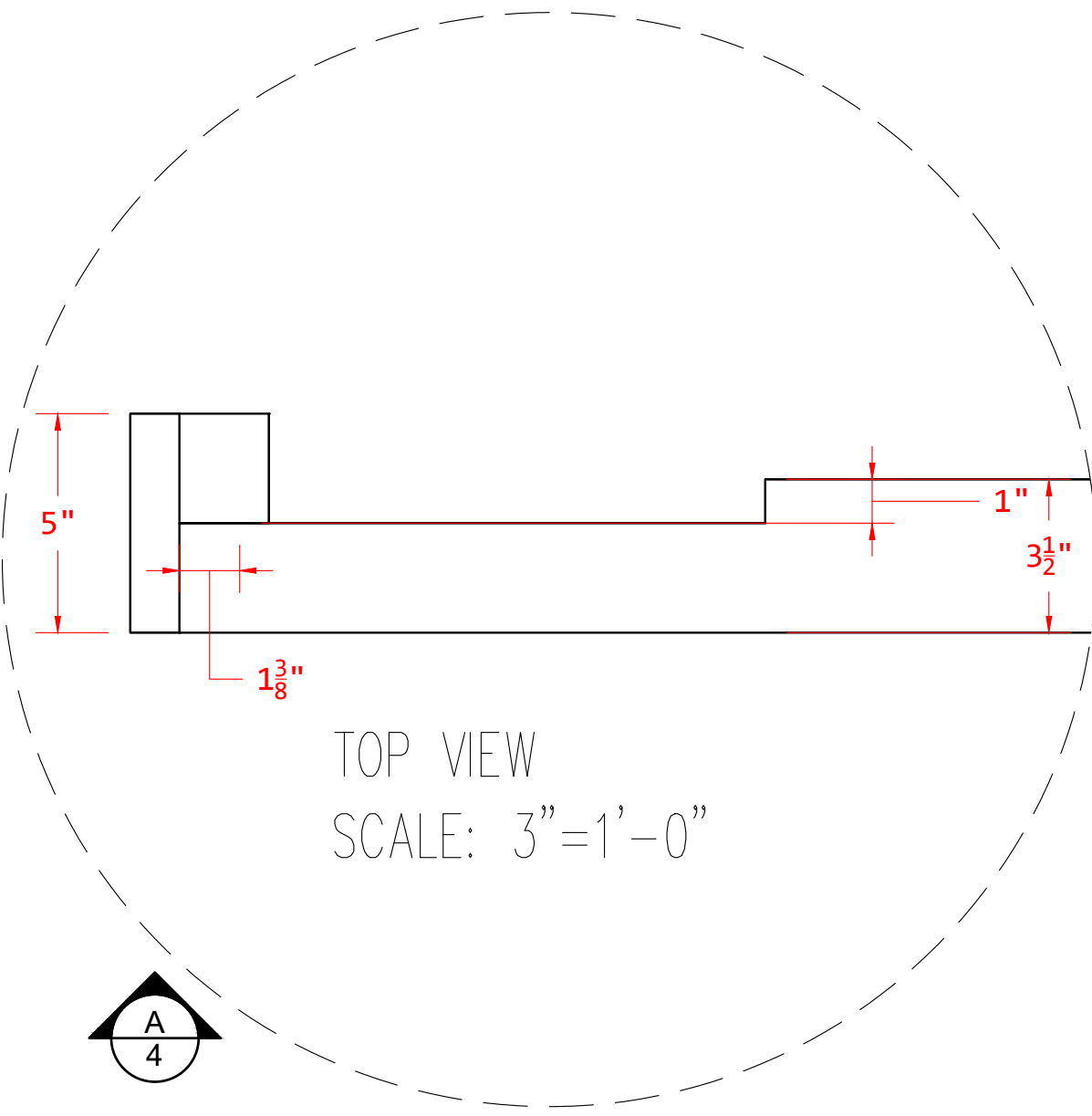
DATE: / /

PAGE:

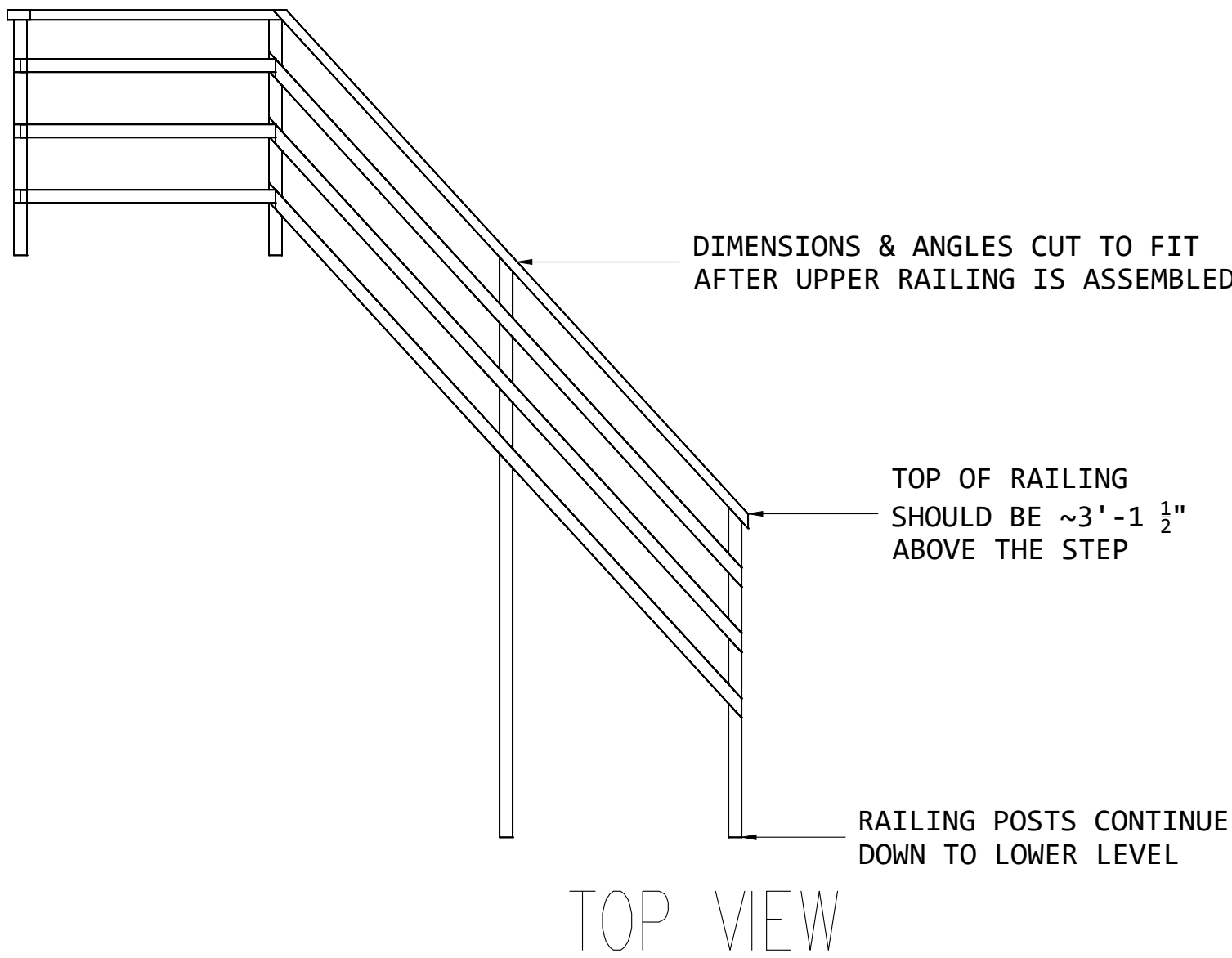
4 OF 4



1
4 HOUSEBOAT RAILING - 2x4 LAYOUT
NOTES:
2x4 SPF NO.2 FOR TOP RAILING
GLUE & SCREW DOWN INTO POSTS AND TOGETHER PREFERRABLY NOT EXPOSED TO AUDIENCE
LAST STEP OF ASSEMBLY AFTER REST OF RAILING IS TOGETHER
SCALE: 1/2"=1'-0"



C
4 HOUSEBOAT RAILING - RAILING DETAIL
NOTES:
2x4 SPF NO.2 FOR TOP RAILING
TOP BOARD TERMINATES AT THE SAME PLANE AS THE ANGLED PIECE DOES
2x4 CAP CONNECTS TOP RAIL & RAIL GOING DOWN
SCALE: 6"=1'-0"



B
4 HOUSEBOAT RAILING - STAIR SECTION
NOTES:
2x4 SPF NO.2 FOR TOP RAILING
GLUE & SCREW DOWN INTO POSTS AND TOGETHER PREFERRABLY NOT EXPOSED TO AUDIENCE
LAST STEP OF ASSEMBLY AFTER REST OF RAILING IS TOGETHER
CUT TO FIT
SCALE: 1/2"=1'-0"