



TITLE:

TITANIC

SCENIC UNIT:
SL & SR COLUMNS

PLATE TITLE:
OVERVIEW

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

DATE:
1/30/2025

SCALE:
AS NOTED

DESIGNER:
SEBASTIAN ZAVALZA

PROJECT MANAGER:
SELINA WANG

JOB LEAD:
NICK WYLIE

NOTES:

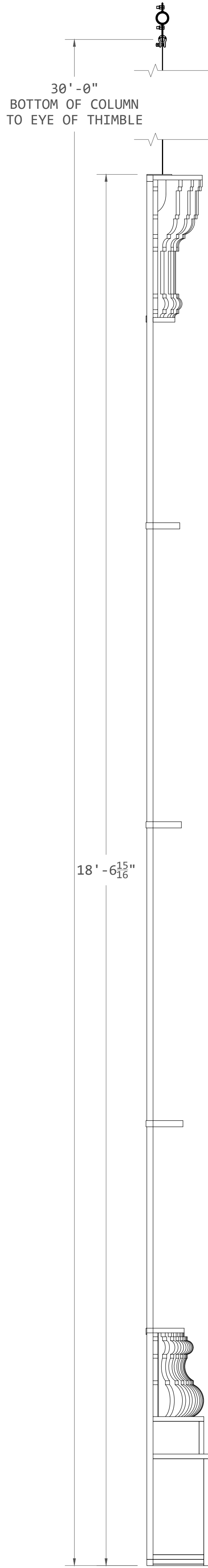
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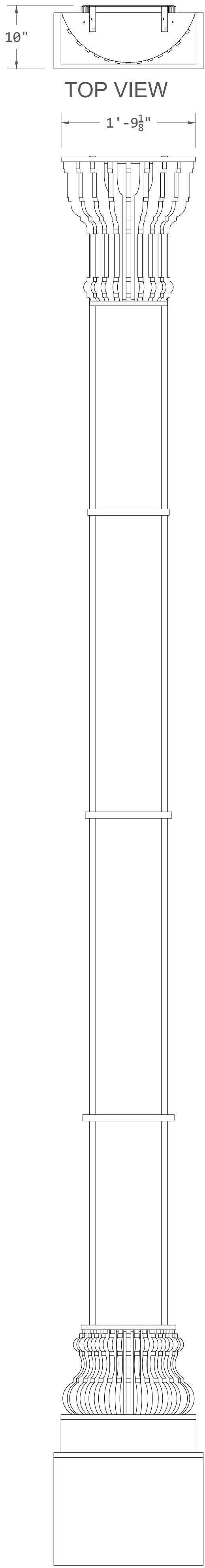
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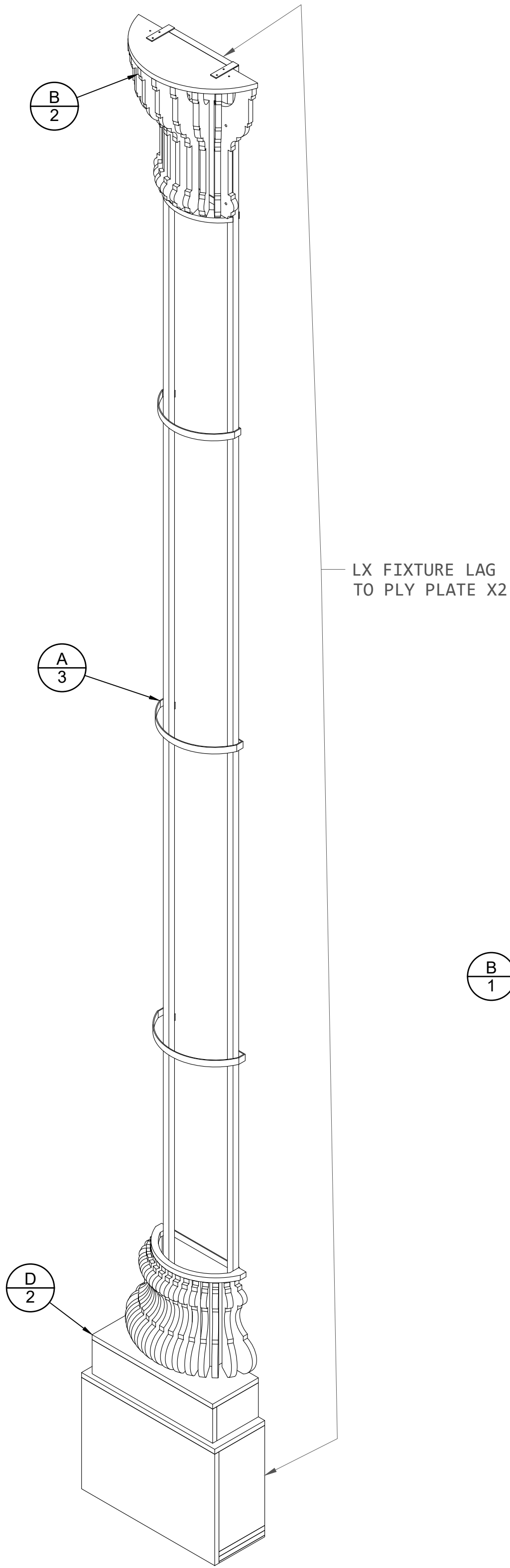
1 OF 4



LEFT VIEW



FRONT VIEW

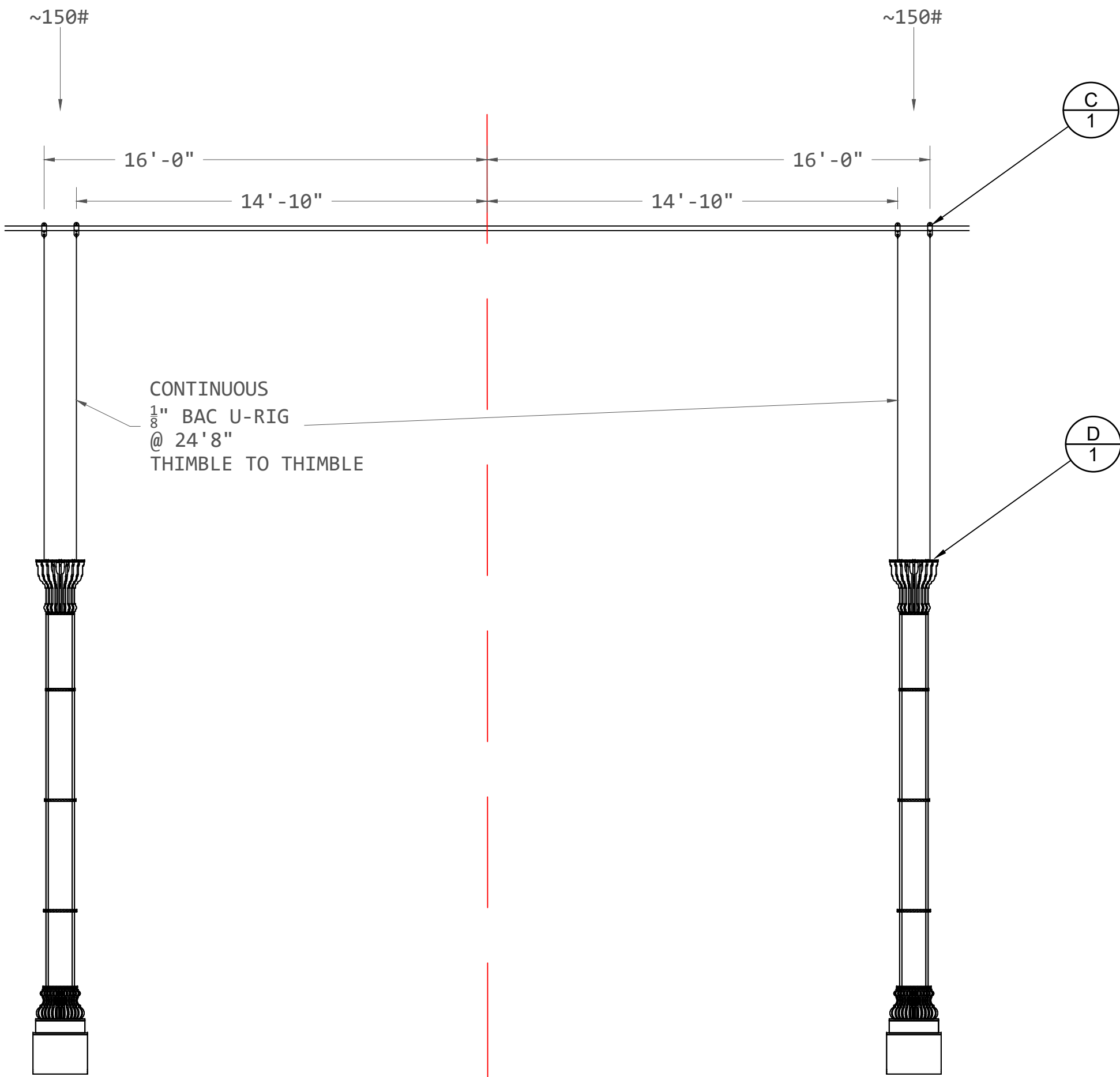


ISO VIEW

B
1

RIGGING LAYOUT - FRONT VIEW

NOTES:
LINESET 15 - ELECTRIC
LINESET 14 - EMPTY
LINESET 13 - COLUMNS
LINESET 12 - SHOW CURTAIN
U-RIG
TOTAL - 4 BATTEN CLAMPS, 4 SHACKLES, 1/8" BAC W/ SWAGED ENDS
FEED THROUGH COLUMN TOP BEFORE MAKING SECOND END
COLUMN WEIGHT ~150# - TOTAL FOR LINESET ~300#



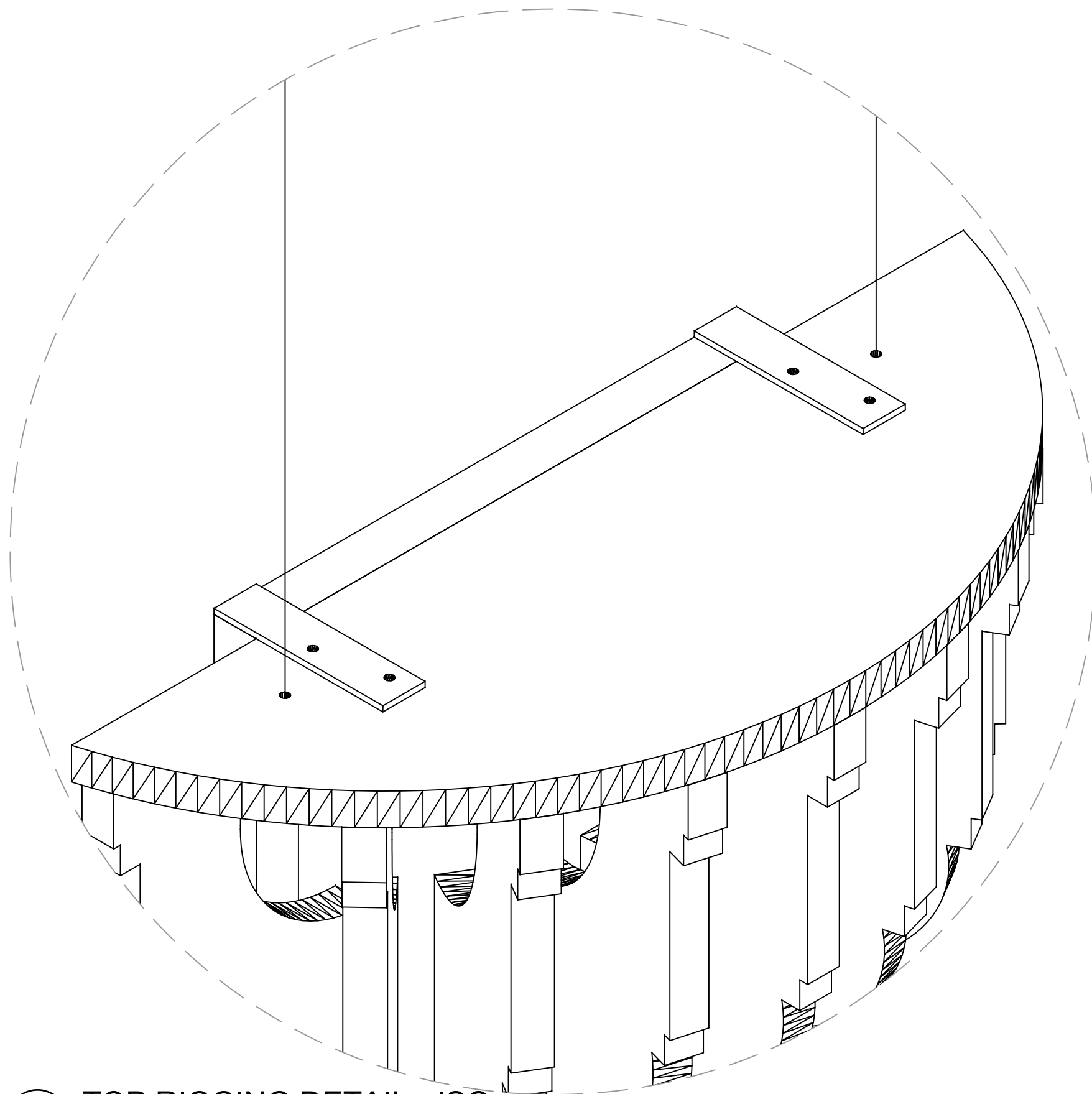
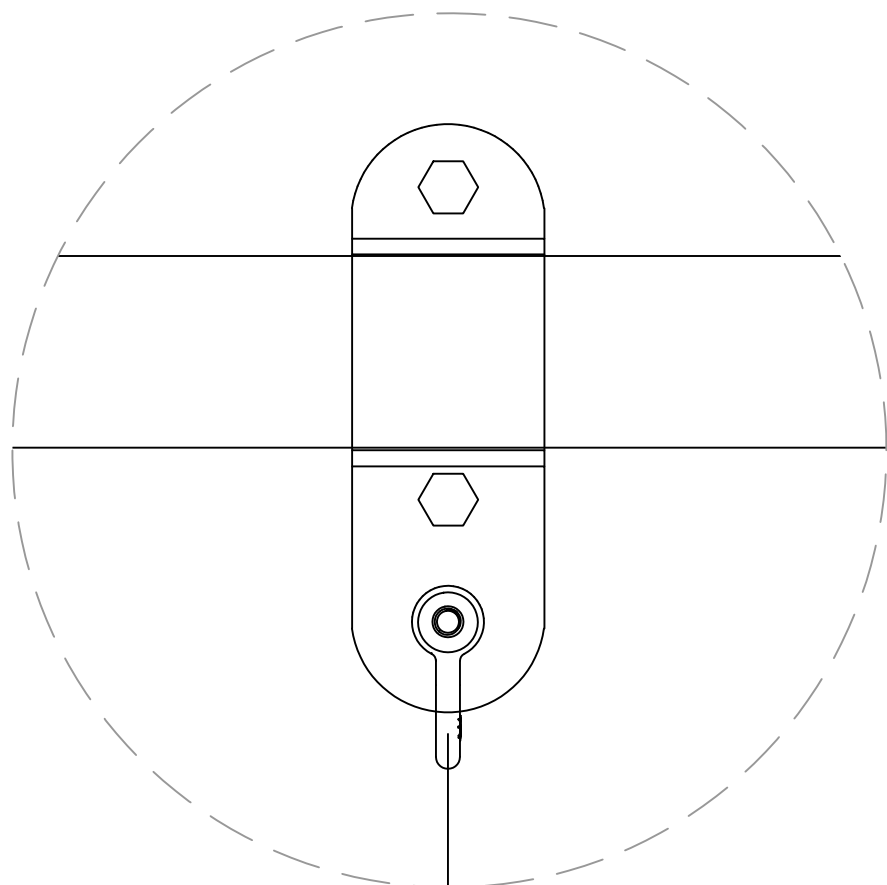
SCALE: 1/4"=1'-0"

C
1

PIPE DETAIL - FRONT VIEW

NOTES:
BATTEN CLAMP, SHACKLE, SWAGED 1/8" BAC

SCALE: 6"=1'-0"



D
1

TOP RIGGING DETAIL - ISO

NOTES:
1/8" BAC RUNS UNDER TOP PLY PLATE, BENDS AROUND SACRIFICIAL QUARTER ROUND

SCALE: 6"=1'-0"

A
1

SR & SL COLUMNS OVERVIEW

NOTES:
OVERVIEW, STEEL FRAME, PLY SHAPE, MESH & MUSLIN FACING
BUILD 2, FACING DIFFERS
COVERED IN MESH & MUSLIN AS SPECIFIED
ATTACH BASE & CAP W/ 1/4" HH BOLTS

SCALE: 1"=1'-0"



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PLY ASSEMBLY

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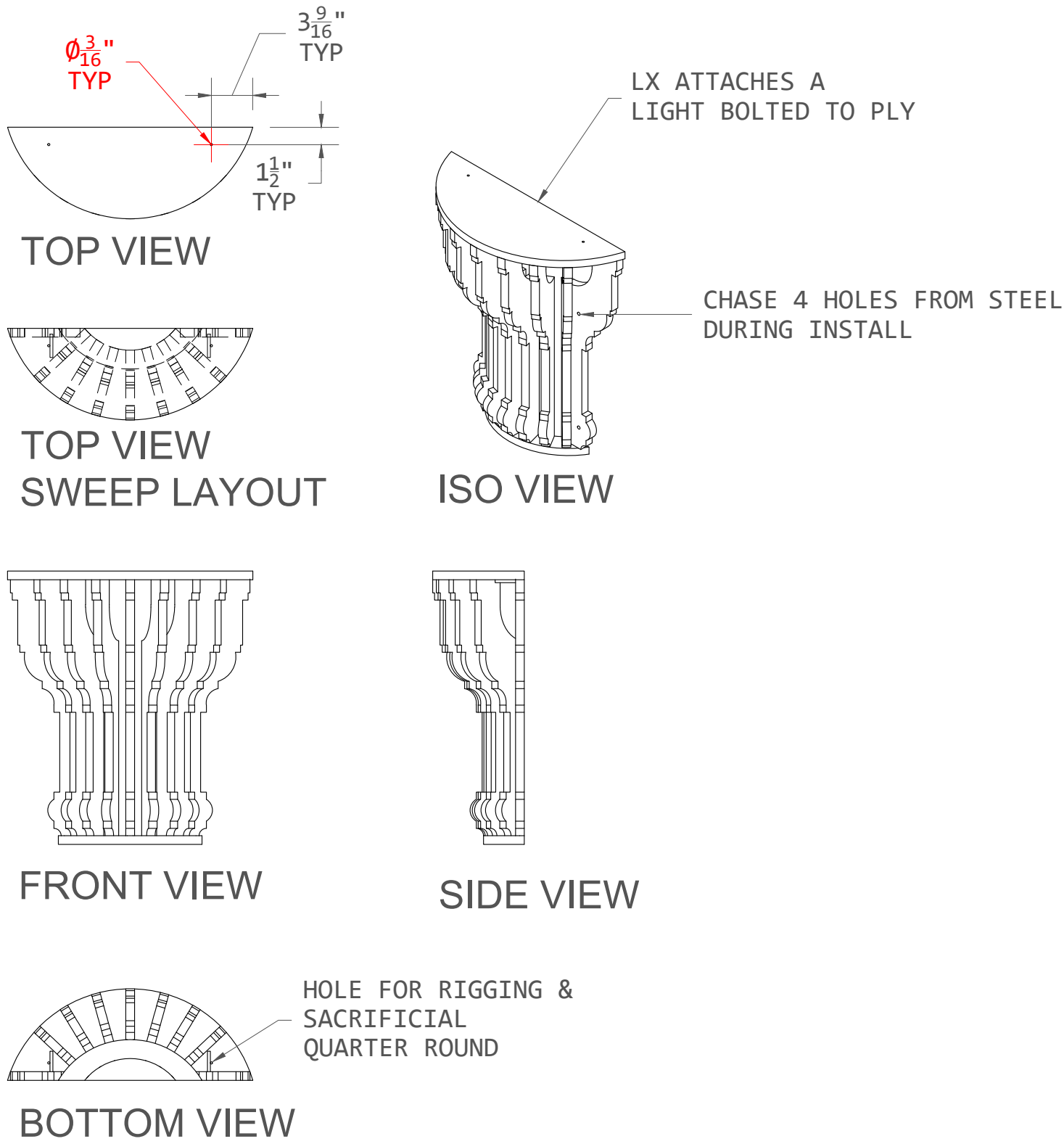
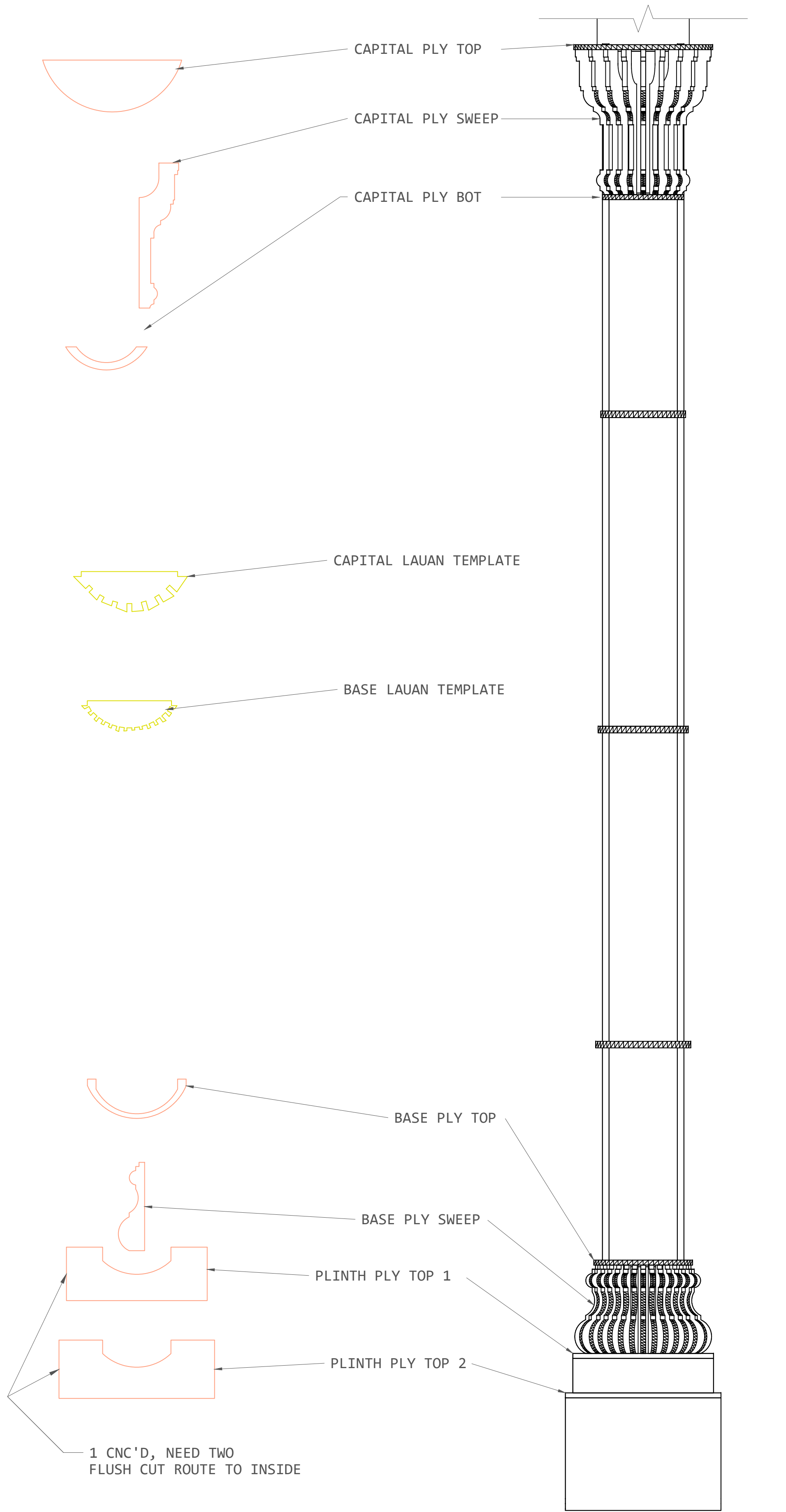
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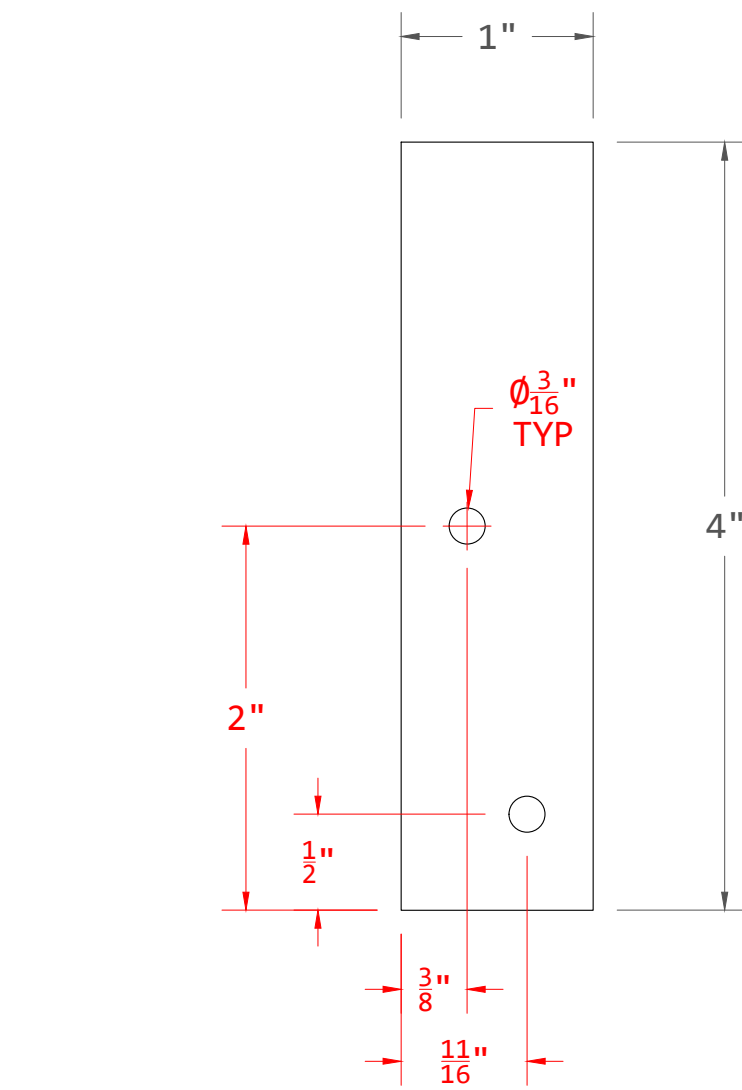
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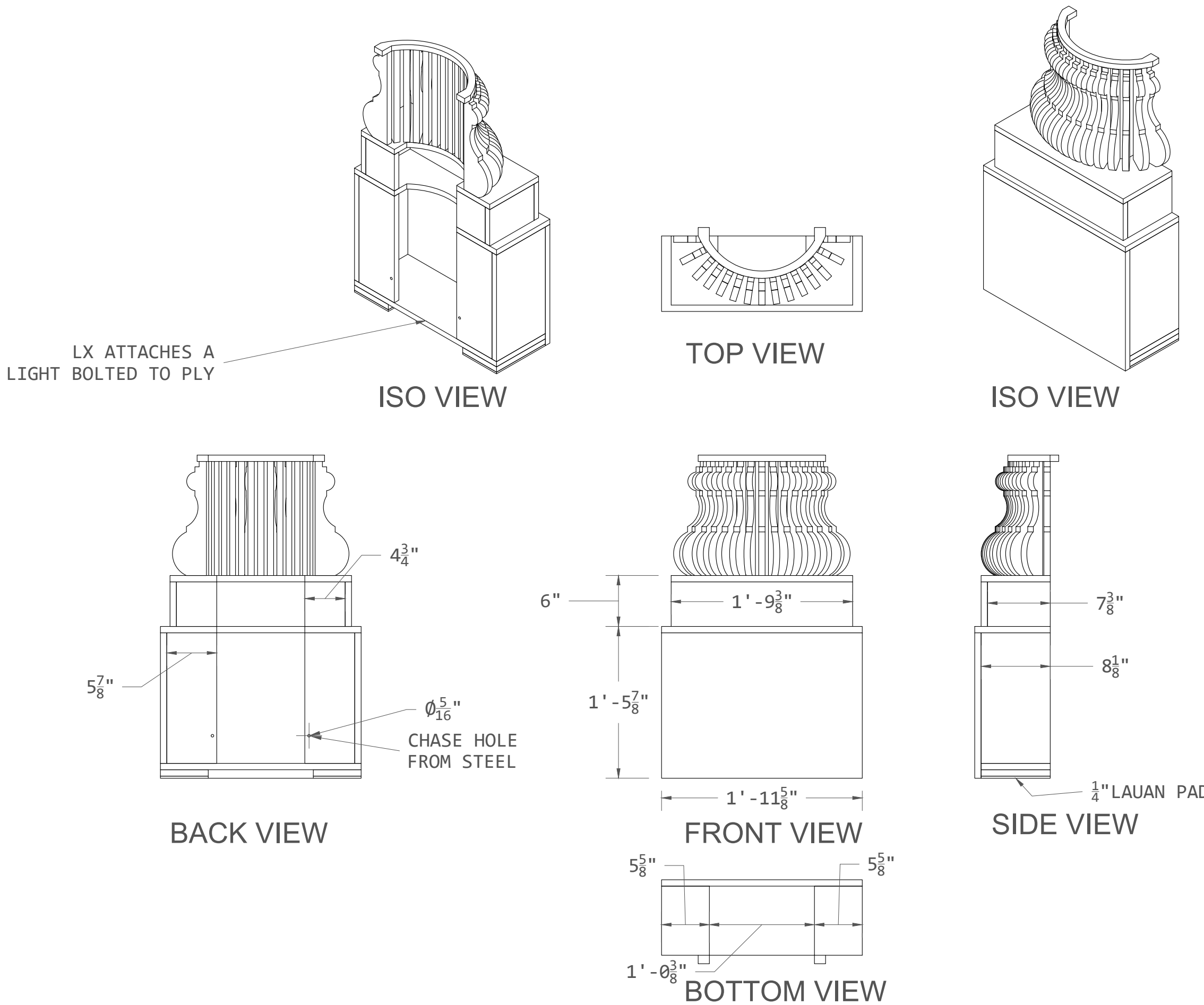
2 OF 4



B
2
CAPITAL ASSEMBLY
NOTES:
ASSEMBLE CNC PARTS W/ CAPITAL TEMPLATE
GLUE & STAPLE
BUILD 2
SCALE: 1"=1'-0"



C
2
TOP TAB - TOP VIEW
NOTES:
1/8" x 1" FLAT BAR
CUT 4
SCALE: FSD



D
2
BASE ASSEMBLY
NOTES:
ASSEMBLE CNC PARTS W/ BASE TEMPLATE
3/4" PLY, 1/4" LAUAN BOTTOM PAD
GLUE & STAPLE
BUILD 2
SCALE: 1"=1'-0"

A
2
CNC PART OUT - FRONT VIEW
NOTES:
BOTTOM TWO PIECES ONLY HAVE 1 CUT, NEED 2 EACH
3/4" PLY
SCALE: 1"=1'-0"



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STEEL ASSEMBLY

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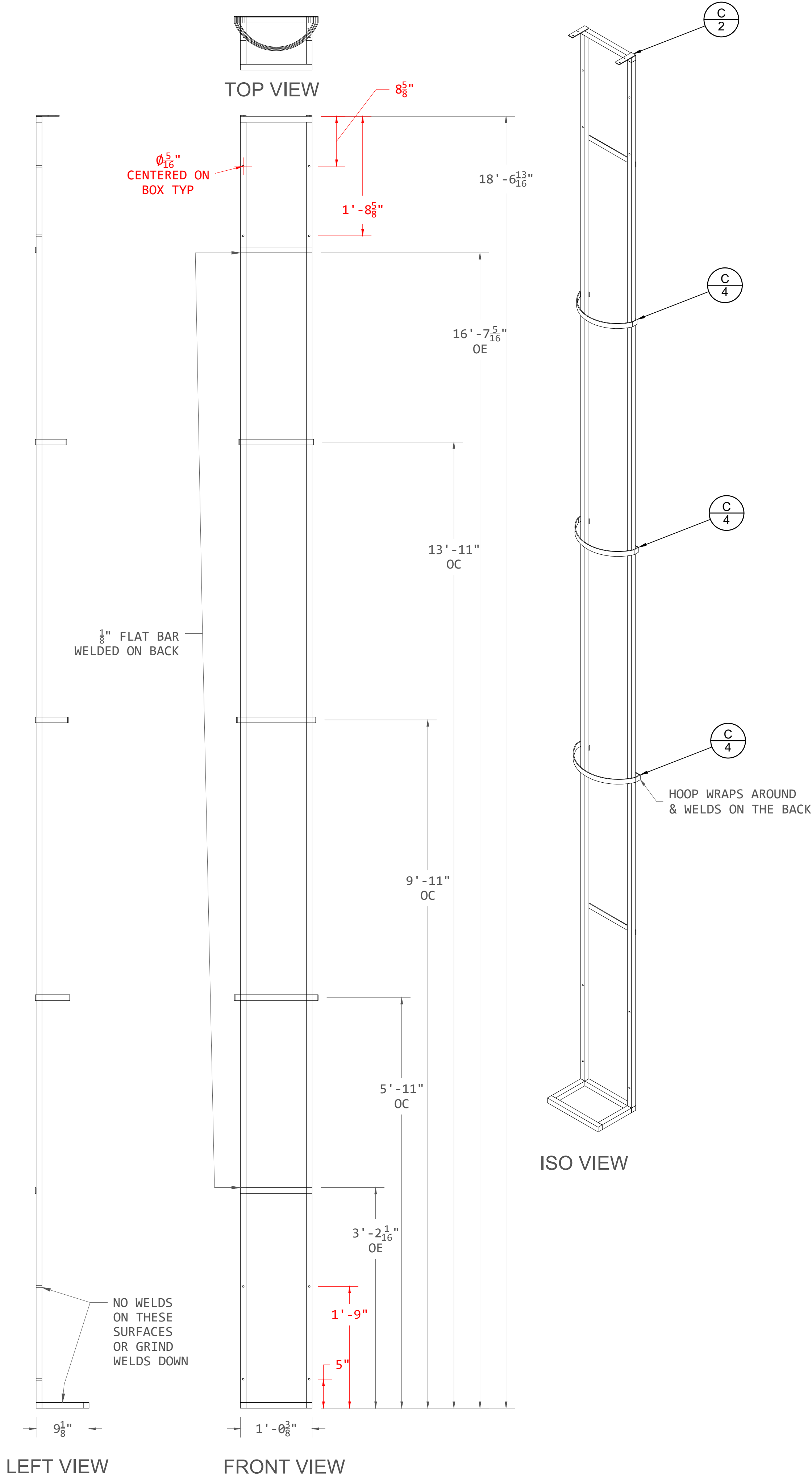
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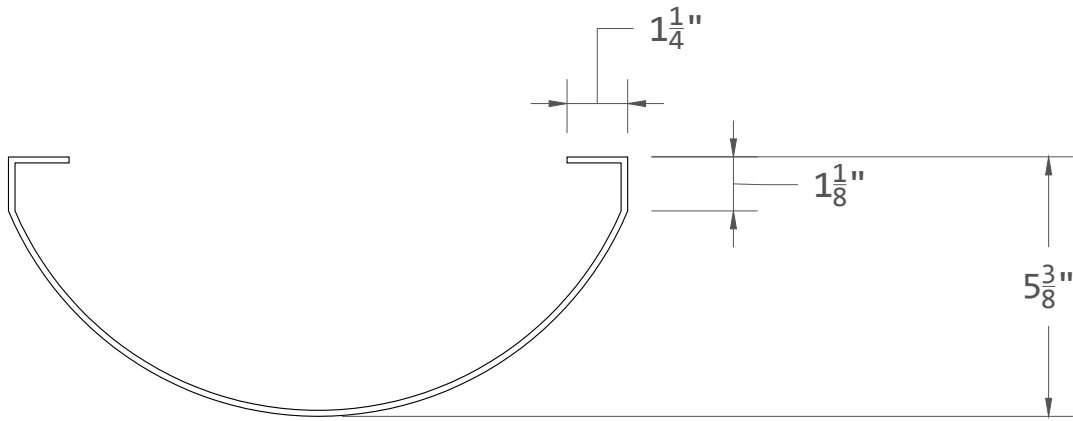
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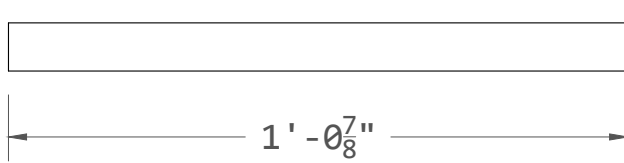
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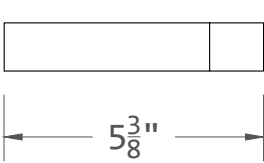
FSD HOOPS ON PLATE 5



TOP VIEW



FRONT VIEW



RIGHT VIEW

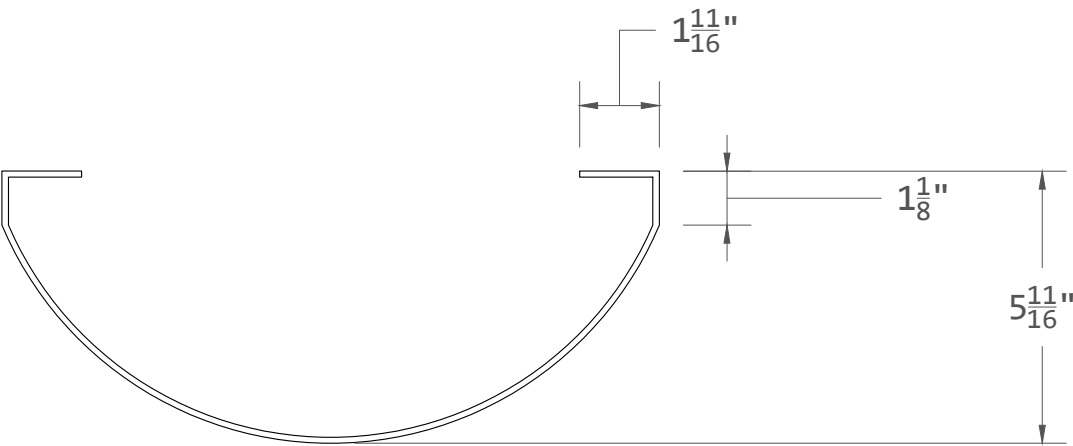
B 3

TOP HOOP

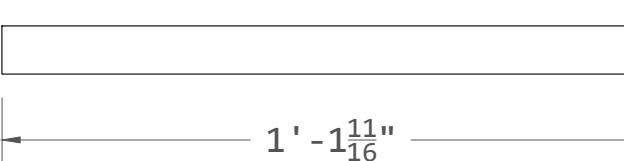
NOTES:
1/8" x 1" FLAT BAR
BEND THEN WELD ON STEEL FRAME
BUILD 2

SCALE: 3"=1'-0"

FSD HOOPS ON PLATE 5



TOP VIEW



FRONT VIEW



RIGHT VIEW

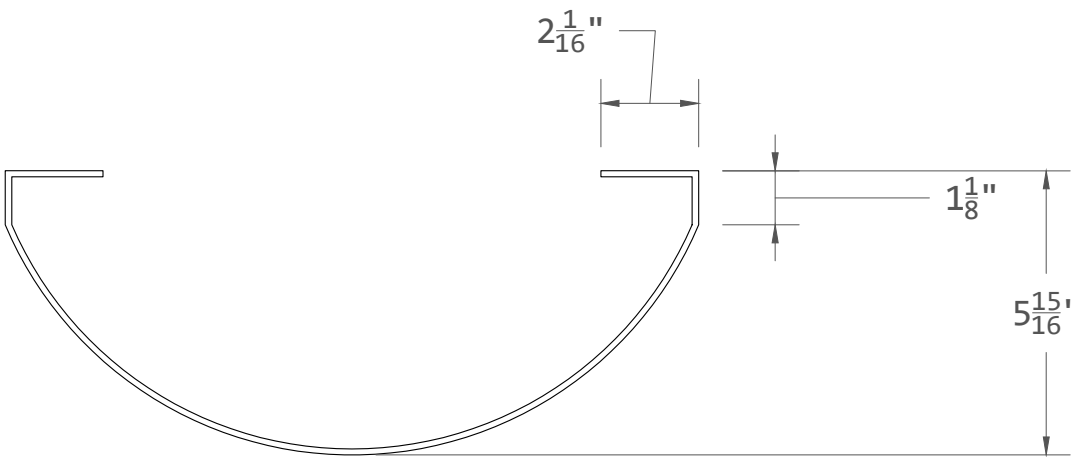
D 3

MIDDLE HOOP

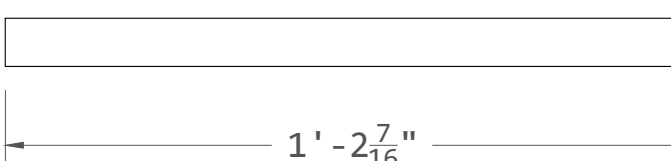
NOTES:
1/8" x 1" FLAT BAR
BEND THEN WELD ON STEEL FRAME
BUILD 2

SCALE: 3"=1'-0"

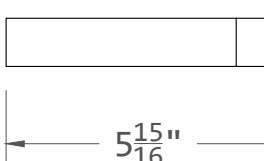
FSD HOOPS ON PLATE 5



TOP VIEW



FRONT VIEW



RIGHT VIEW

D 3

BOTTOM HOOP

NOTES:
1/8" x 1" FLAT BAR
BEND THEN WELD ON STEEL FRAME
BUILD 2

SCALE: 3"=1'-0"



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SR & SL COLUMNS

PLATE TITLE:
METAL HOOPS

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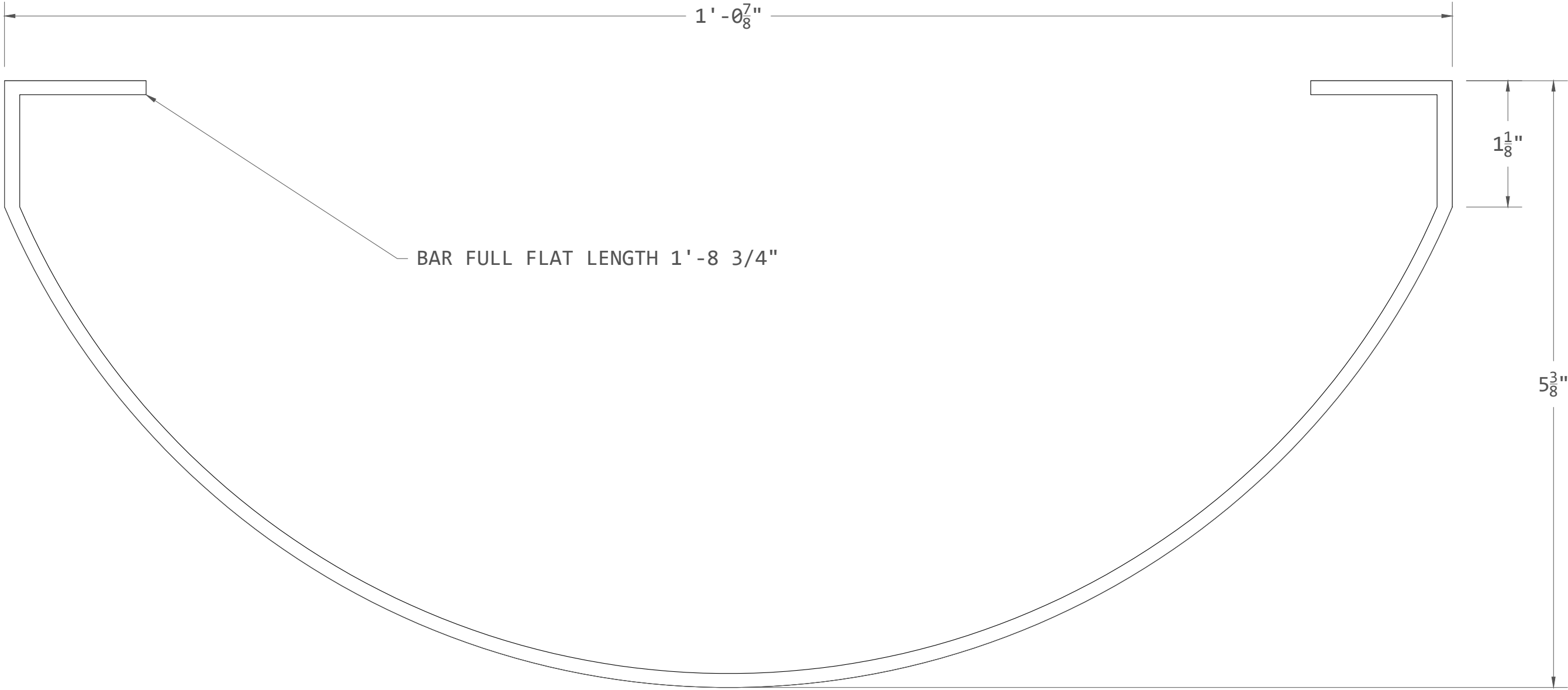
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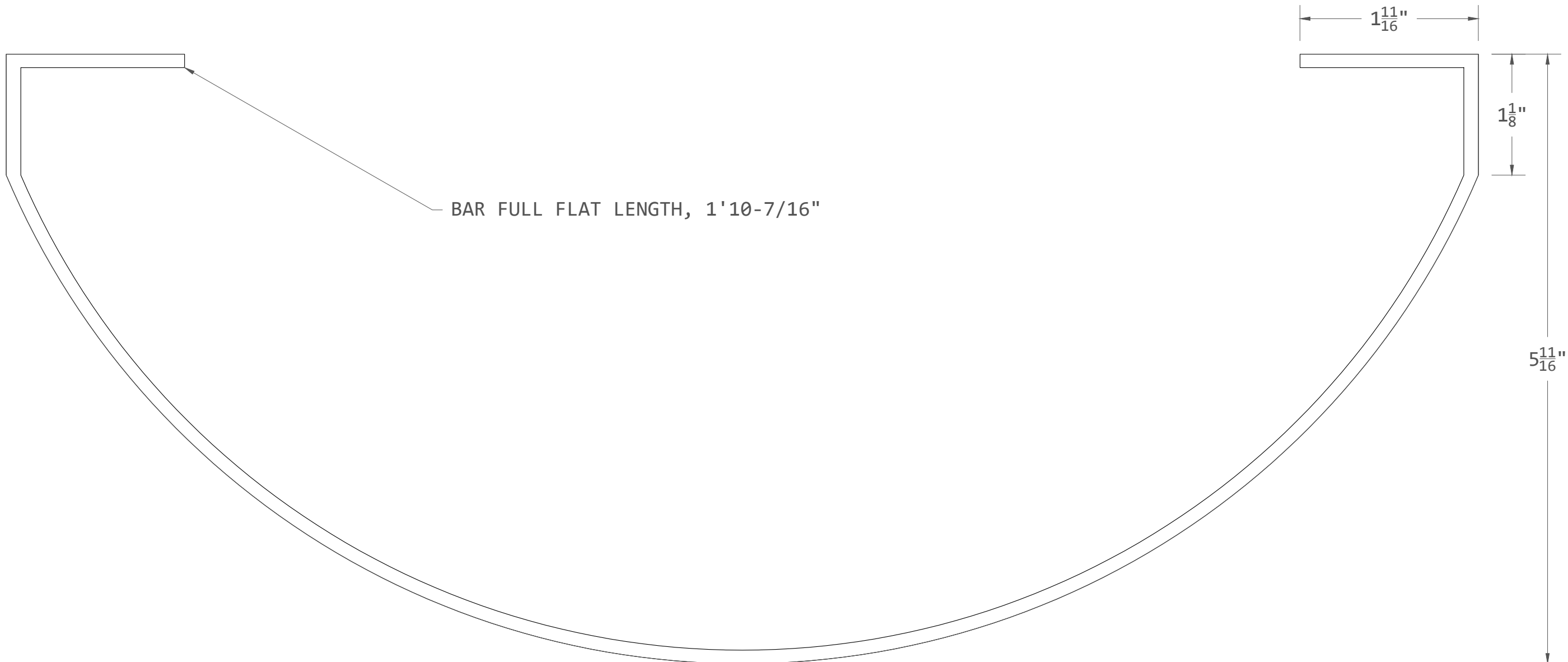
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B
4
TOP HOOP
NOTES:
1/8" x 1" FLAT BAR
BEND THEN WELD ON STEEL FRAME
BUILD 2

SCALE: FSD



D
4
MIDDLE HOOP
NOTES:
1/8" x 1" FLAT BAR
BEND THEN WELD ON STEEL FRAME
BUILD 2

SCALE: FSD



D
4
BOTTOM HOOP
NOTES:
1/8" x 1" FLAT BAR
BEND THEN WELD ON STEEL FRAME
BUILD 2

SCALE: FSD



TITLE:

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MESH & MUSLIN

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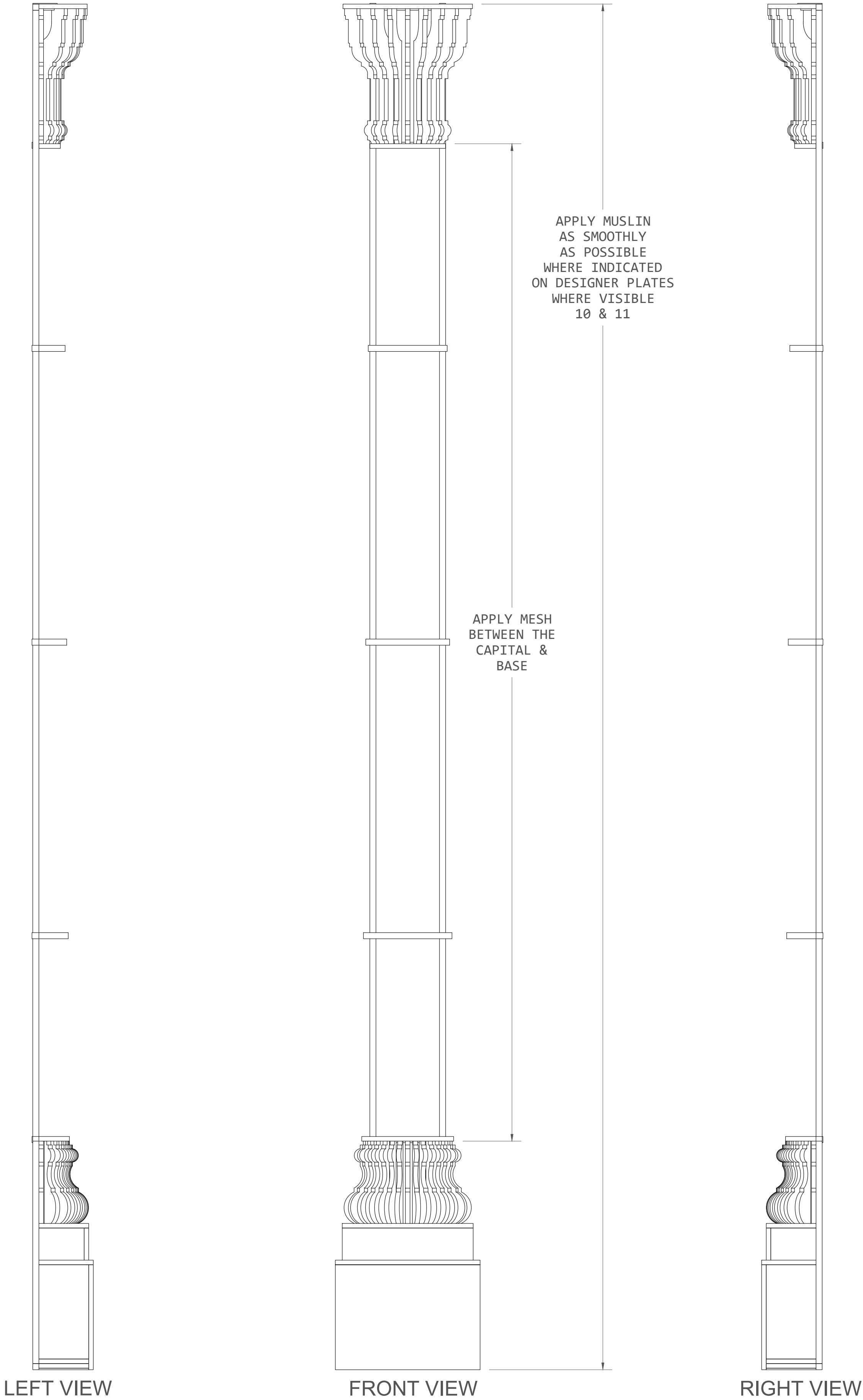
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A 5 MESH & MUSLIN LAYOUT

- NOTES:
- ALUMINUM GRID MESH, MUSLIN
 - APPLY VHB TAPE TO 1/8" FLAT BAR HOOPS
 - CUT STRIP OF MESH TO LENGTH & WIDE ENOUGH TO WRAP TO FRAME ON WHOLE LENGTH, FABRIC STAPLE TO TOP & BOTTOM PLY HOOPS STARTING AT CENTER WORKING OUT, PULLING TIGHT
 - APPLY MUSLIN IN SMALL STRIPS ON CAPITAL & BASE SWEEPS AS SMOOTH AS POSSIBLE GLUEING W/ WHITE GLUE, USE LARGER STRIPS FOR LESS INTRICATE PLACEMENT
 - PAINT OVER VHB AFTER MUSLIN IS DOWN

SCALE: 1"=1'-0"