

BALCONY BASIS OF DESIGN

NOTES

REVISIONS

DRAWN	1/25/2023	Jessie Hulsizer
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213 E. Ermina Ave.
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VESTIS SYSTEMS
 SPOKANE, WA

BALCONY BASIS OF DESIGN

3/4"=1'-0"

1 of 11

GENERAL NOTES

1. VESTIS SYSTEMS REQUIRES ONE SET OF CORRECTED DRAWINGS OR AN APPROVED SET OF DRAWINGS PRIOR TO FABRICATION OF ORDER
2. ORDERS REQUIRING ENGINEERING WILL ONLY BE FABRICATED AFTER ALL DRAWINGS ARE APPROVED
3. CLIENT TO VERIFY ALL BALCONY AND FIELD DIMENSIONS PRIOR TO RELEASE FOR FABRICATION
4. ALL ORDERS NOT APPROVED FOR PRODUCTION WITHIN 30 DAYS OF ORDER ACCEPTANCE ARE SUBJECT TO REVIEW FOR PRICING
5. ADEQUACY OF BUILDING STRUCTURE MUST BE CERTIFIED BY BUILDING ENGINEER OF RECORD
6. VESTIS SYSTEMS PROVIDES INTEGRAL HARDWARE. SITE SPECIFIC MOUNTING HARDWARE IS INCLUDED WITH INSTALLATION SERVICES, OTHERWISE PROVIDED BY OTHERS
7. ALL STRUCTURE BEARING LOAD OF CANOPY ANCHORS IS TO BE DESIGNED, ENGINEERED, AND SUPPLIED BY OTHERS

PROJECT NOTES

1. 6" RECTANGULAR FASCIA SHOWN, 6", 8", 10" RECTANGULAR AND C-CHANNEL FASCIA AVAILABLE
2. 9' 6" WIDTH X 4' PROJECTION SHOWN
3. 6' MAXIMUM PROJECTION

DESIGN NOTES

1. POWDER COAT FINISH, COLOR FROM VESTIS STANDARD COLORS. CUSTOM COLORS AVAILABLE UPON REQUEST
2. DECKING CHOSEN FROM SUPPLIER STANDARD COLORS
3. 1/4:12 FORWARD SLOPE TO DRAIN OFF FRONT EDGE. GUTTER TO SIDE DRAINS AVAILABLE UPON REQUEST
4. 65 PSF LIVE LOAD DESIGN. HEAVIER DESIGNS AVAILABLE UPON REQUEST

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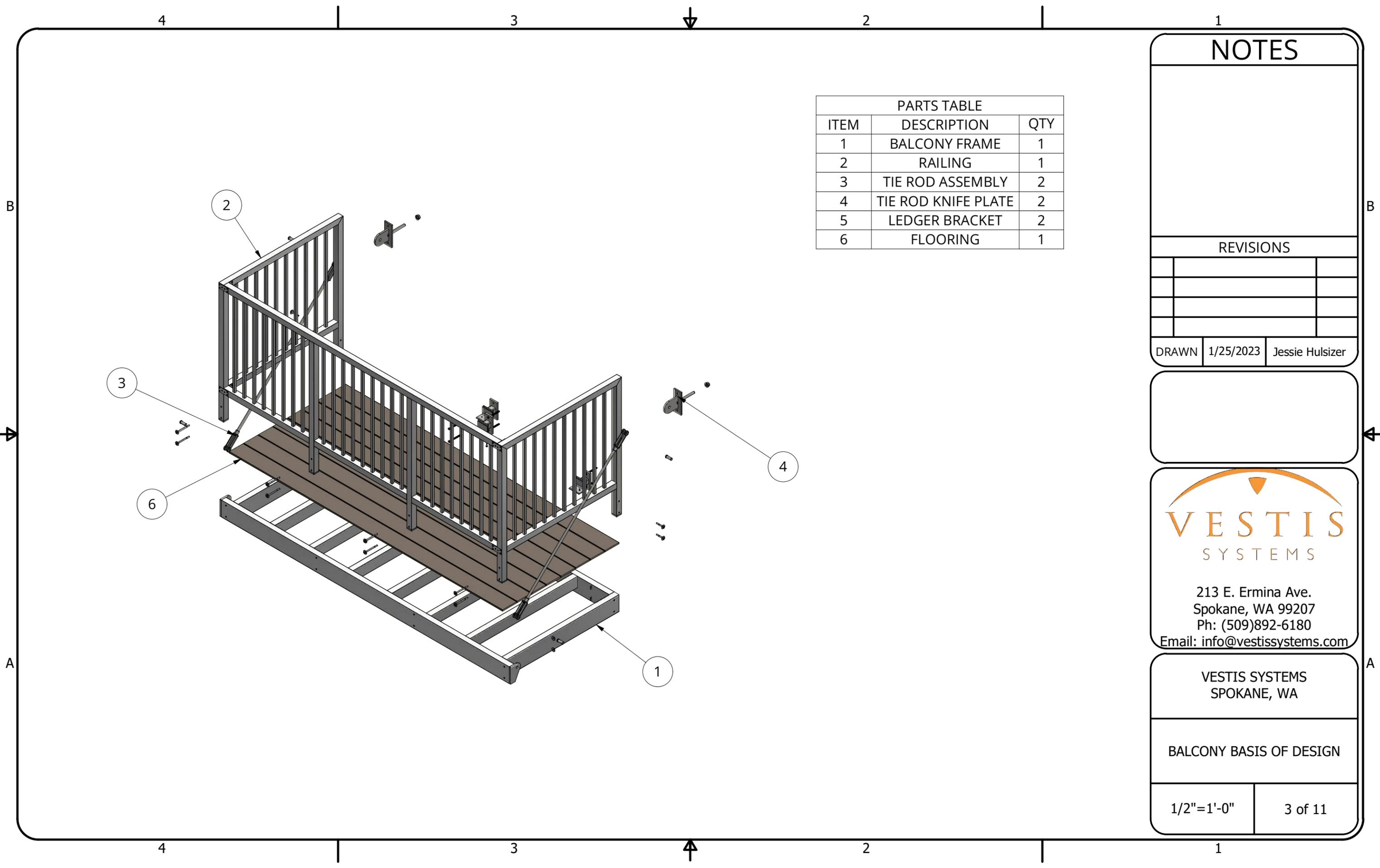
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PARTS TABLE		
ITEM	DESCRIPTION	QTY
1	BALCONY FRAME	1
2	RAILING	1
3	TIE ROD ASSEMBLY	2
4	TIE ROD KNIFE PLATE	2
5	LEDGER BRACKET	2
6	FLOORING	1

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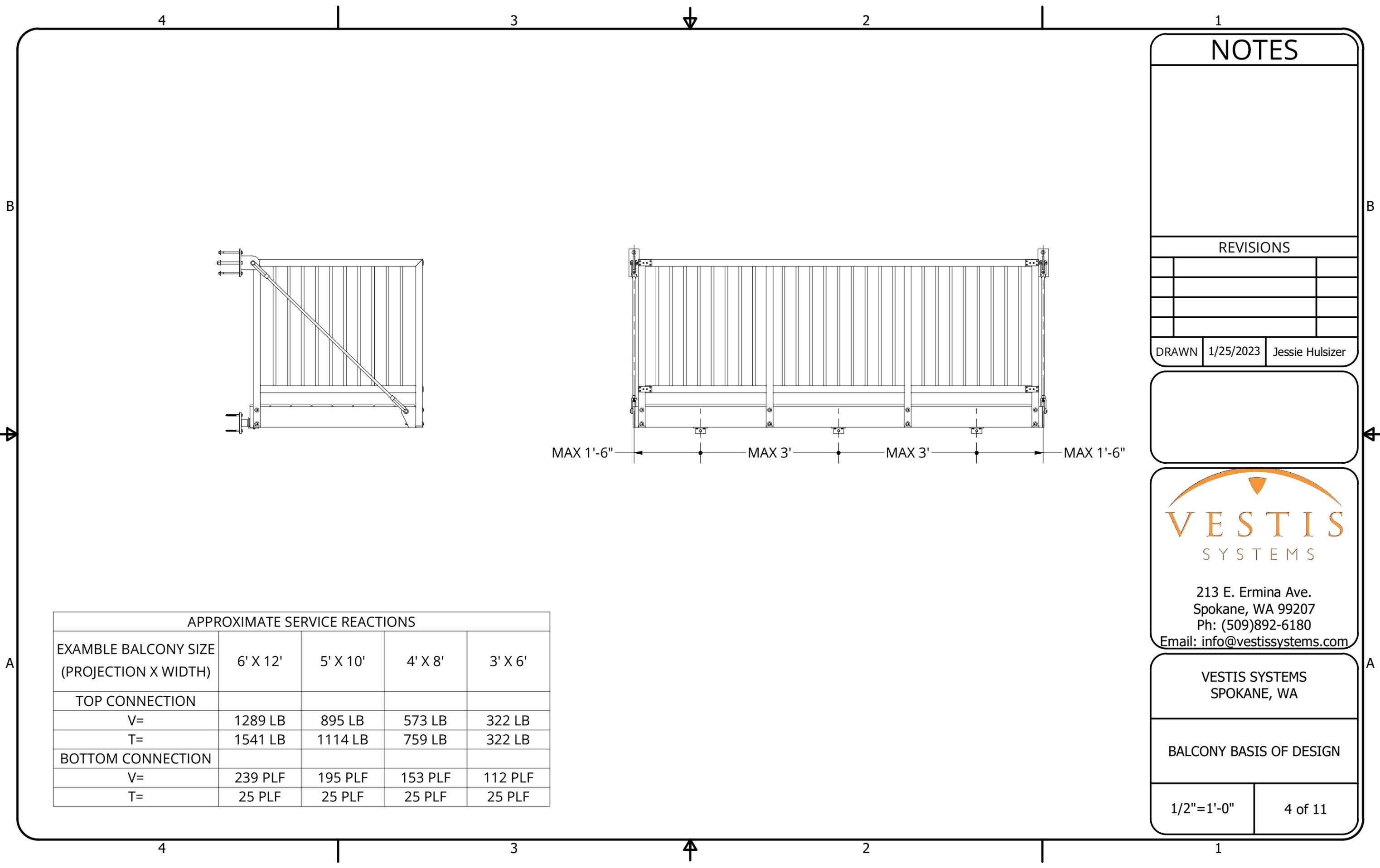


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1/2"=1'-0" 3 of 11



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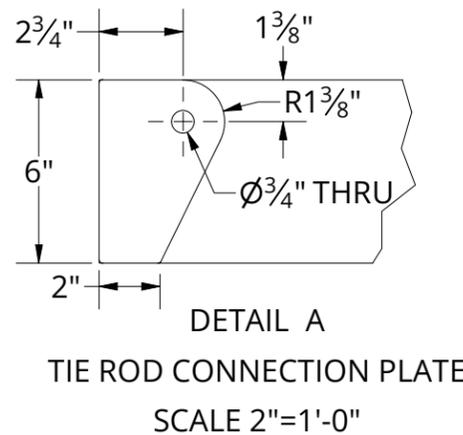
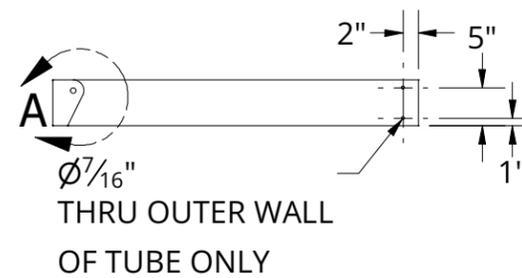
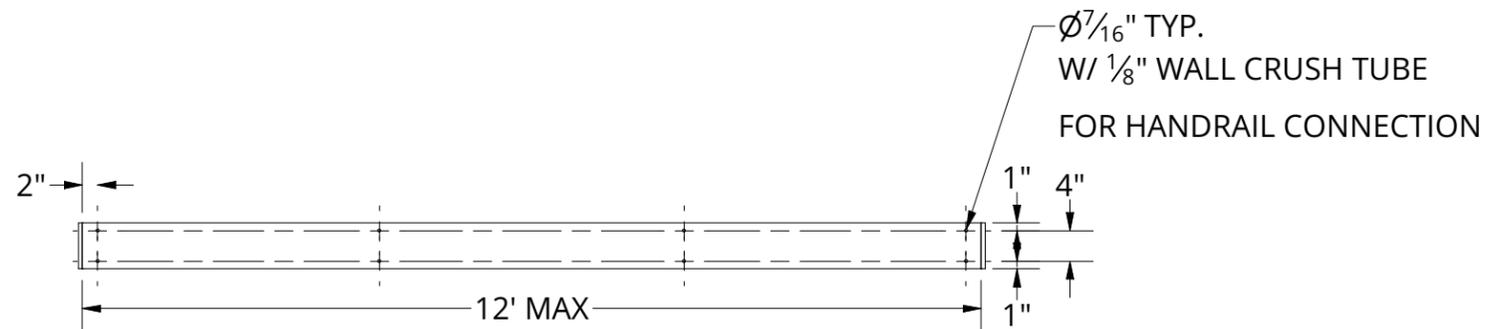
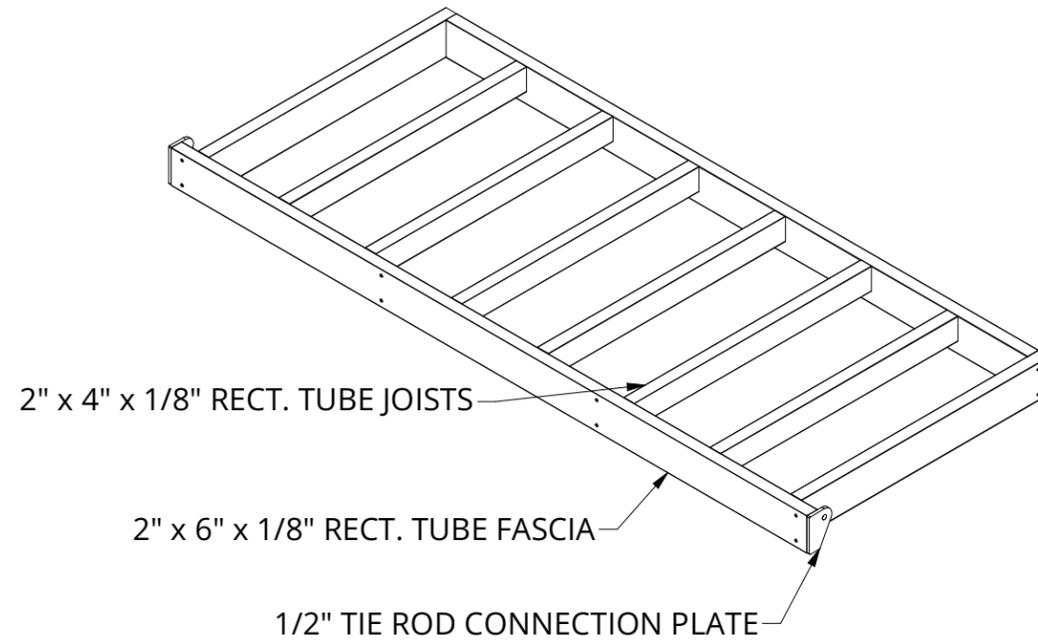
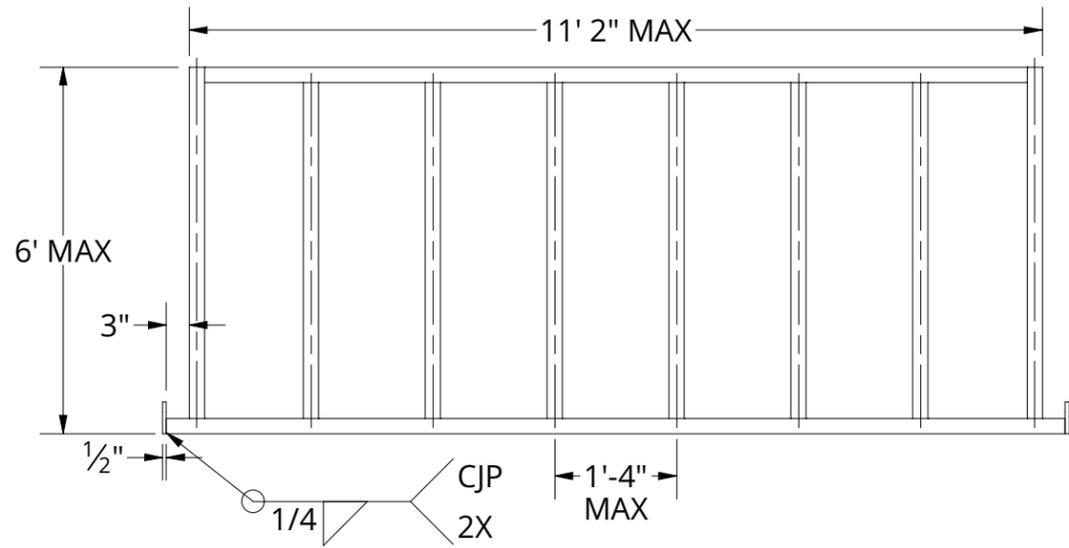
BALCONY BASIS OF DESIGN

1/2"=1'-0" 4 of 11

APPROXIMATE SERVICE REACTIONS

EXAMBLE BALCONY SIZE (PROJECTION X WIDTH)	6' X 12'	5' X 10'	4' X 8'	3' X 6'
TOP CONNECTION				
V=	1289 LB	895 LB	573 LB	322 LB
T=	1541 LB	1114 LB	759 LB	322 LB
BOTTOM CONNECTION				
V=	239 PLF	195 PLF	153 PLF	112 PLF
T=	25 PLF	25 PLF	25 PLF	25 PLF

BALCONY FRAME DIMENSIONS



NOTES

1. ALL COMPONENTS FROM 6061-T6 ALUMINUM UNLESS OTHERWISE SPECIFIED
2. CONTACTING ALUMINUM COMPONENTS CONNECTED BY 3/8" FILLET WELD UNLESS OTHERWISE SPECIFIED

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4

3

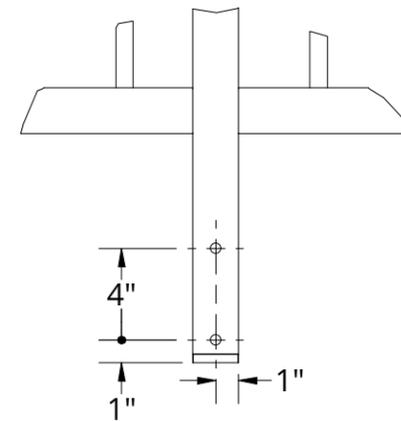
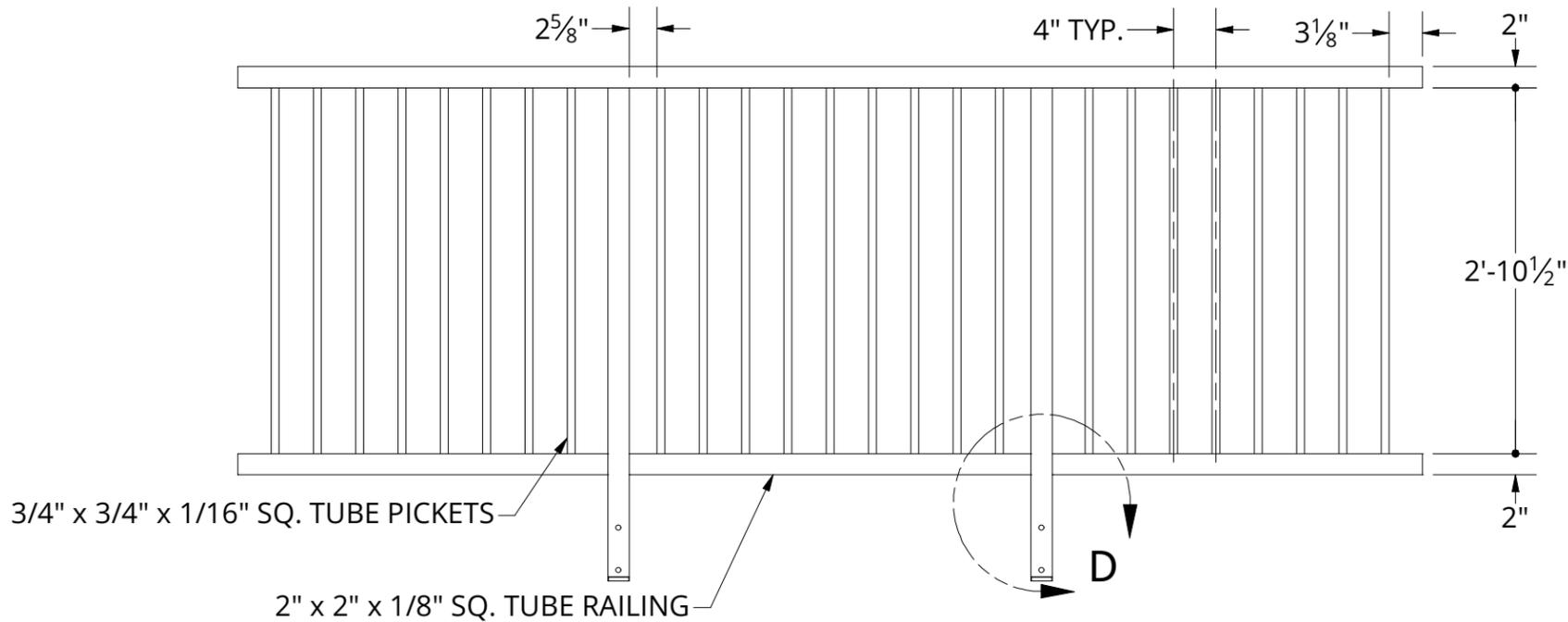
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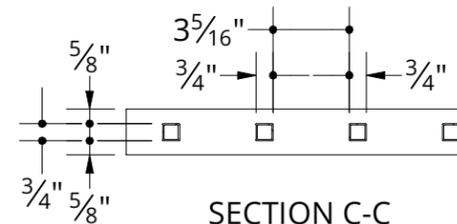
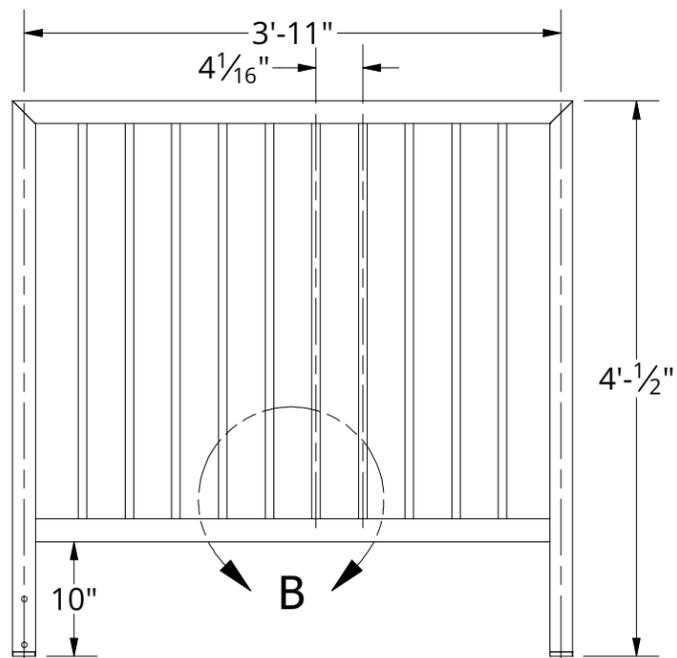
STANDARD RAILING DIMENSIONS
 CUSTOM DESIGNS AVAILABLE

B

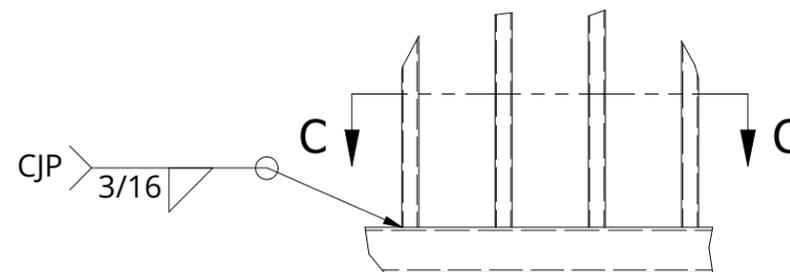
A



DETAIL D
 TYPICAL PICKET HOLE DETAIL
 SCALE 1 1/2" = 1'-0"



SECTION C-C
 TYPICAL PICKET SPACING
 SCALE 1 1/2" = 1'-0"



DETAIL B
 PICKET CONNECTION DETAIL
 SCALE 1 1/2" = 1'-0"

NOTES

1. ALL COMPONENTS FROM 6061-T6 ALUMINUM UNLESS OTHERWISE SPECIFIED
2. CONTACTING ALUMINUM COMPONENTS ATTACHED BY 3/16" FILLET WELD UNLESS OTHERWISE SPECIFIED

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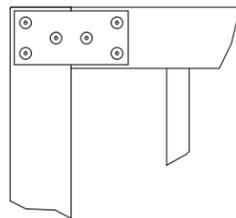
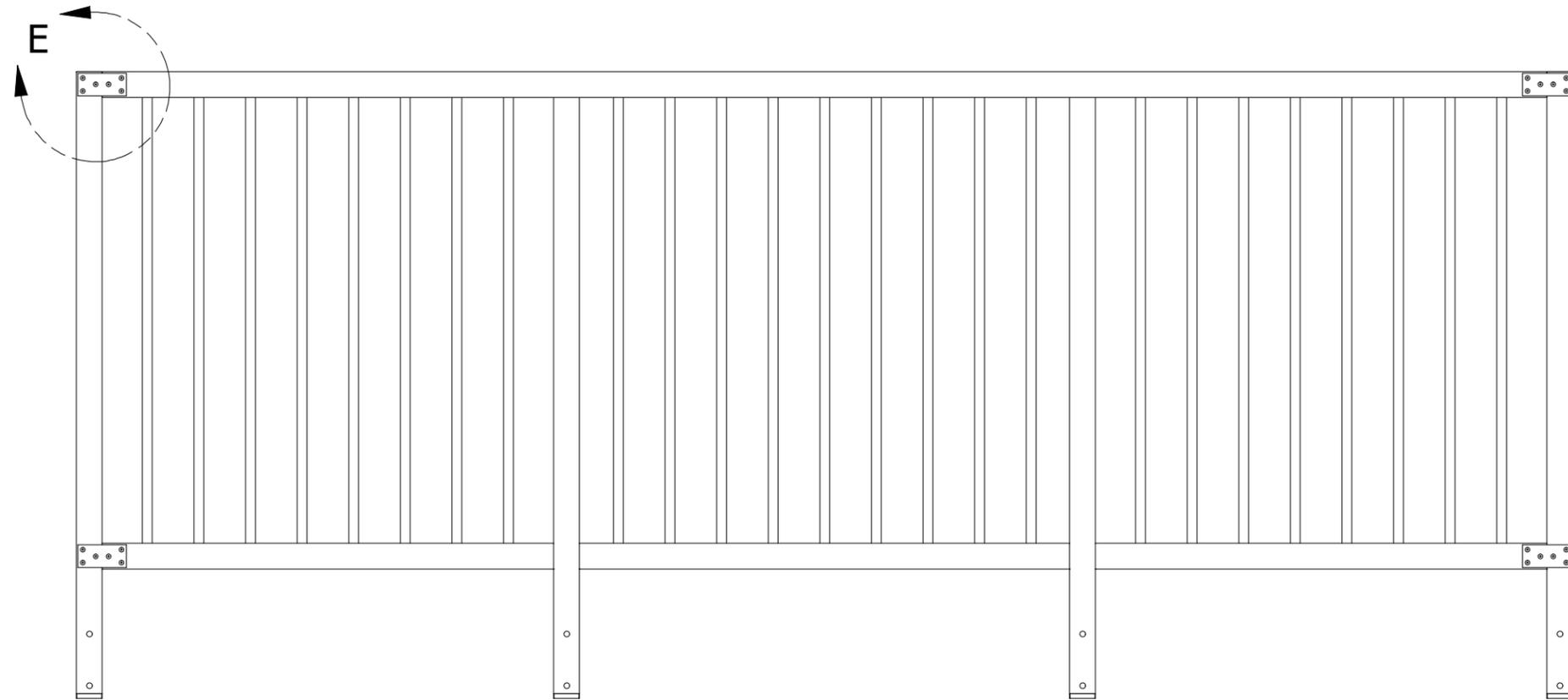
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1

RAILING CONNECTION DETAIL



DETAIL E
RAILING CONNECTION DETAIL
SCALE 2"=1'-0"

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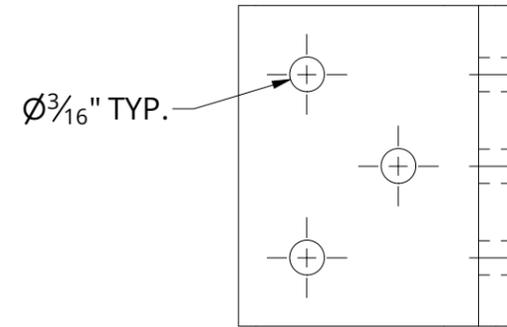
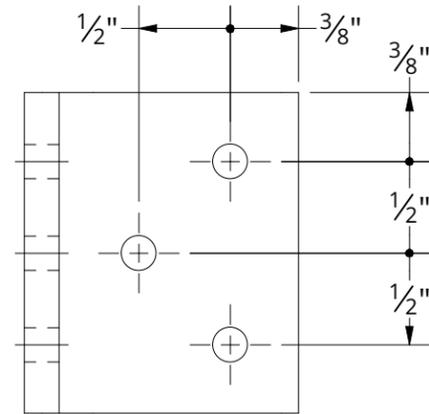
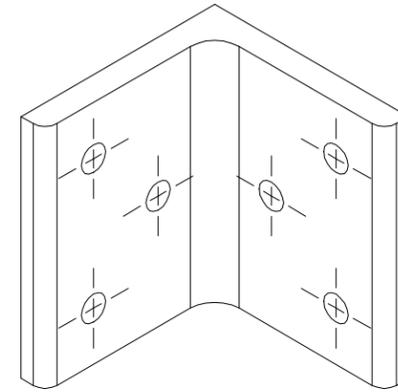
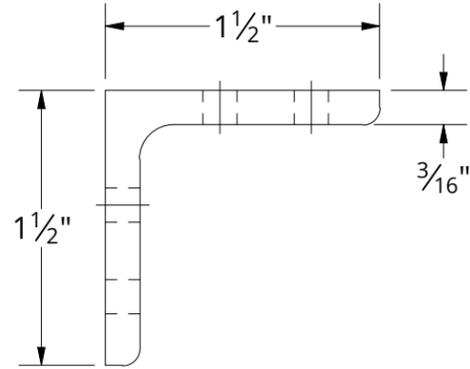
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1"=1'-0" 7 of 11

RAILING CONNECTION BRACKET DIMENSIONS



NOTES

- 1-1/2" x 1-1/2" x 3/16"
6061 ANGLE

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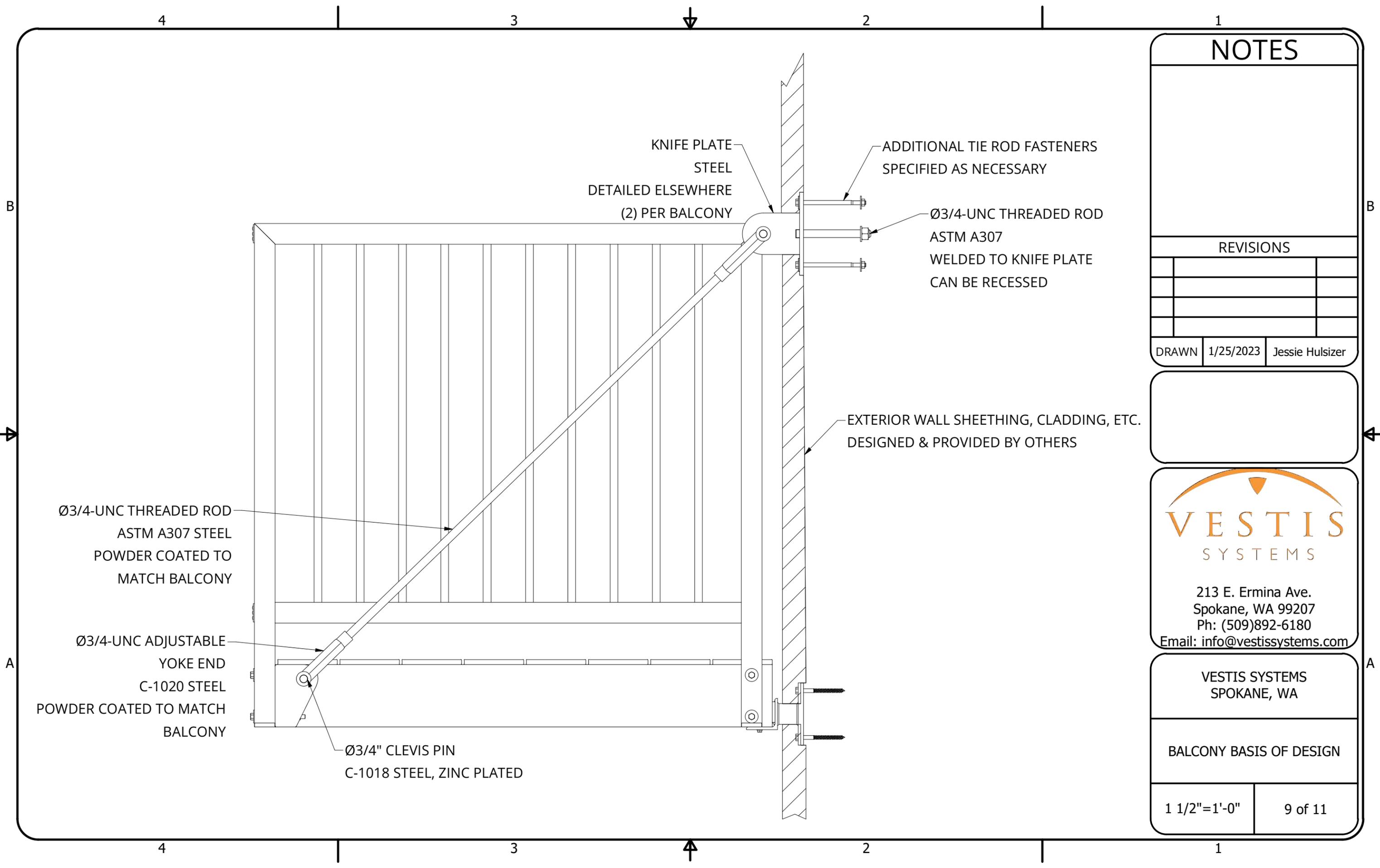
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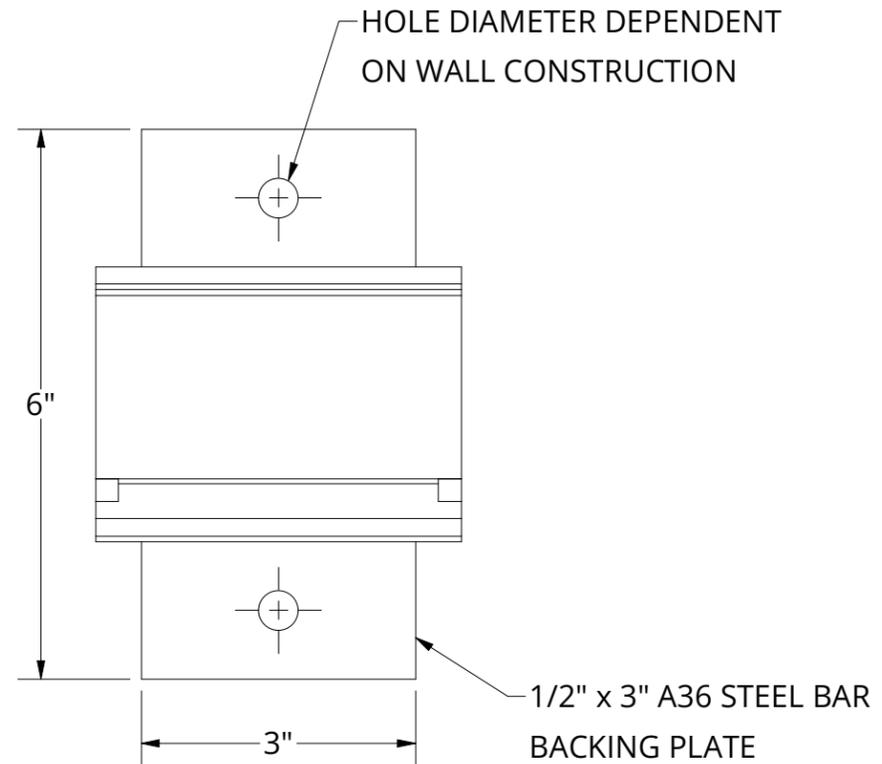
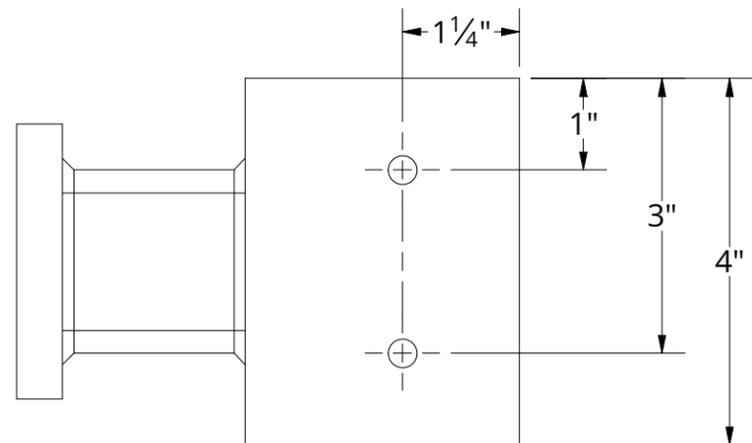
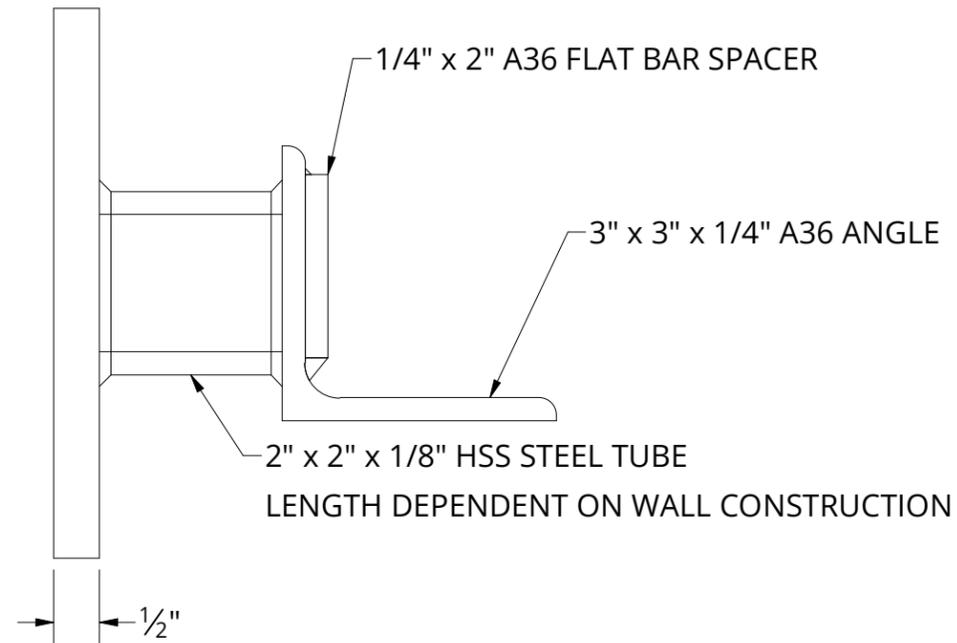
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1 1/2"=1'-0"

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MOUNTING BRACKET DETAIL



NOTES

1. MOUNTING BRACKETS ARE TYPICALLY POSITIONED 1/4-1/3 OF LENGTH FROM END OF BALCONY, CENTERED ON A RAFTER

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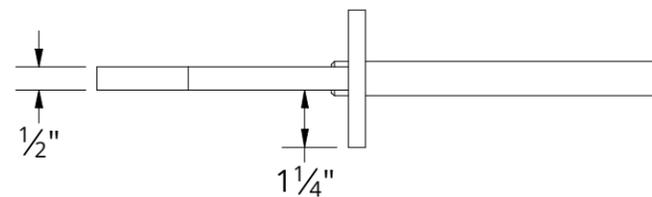
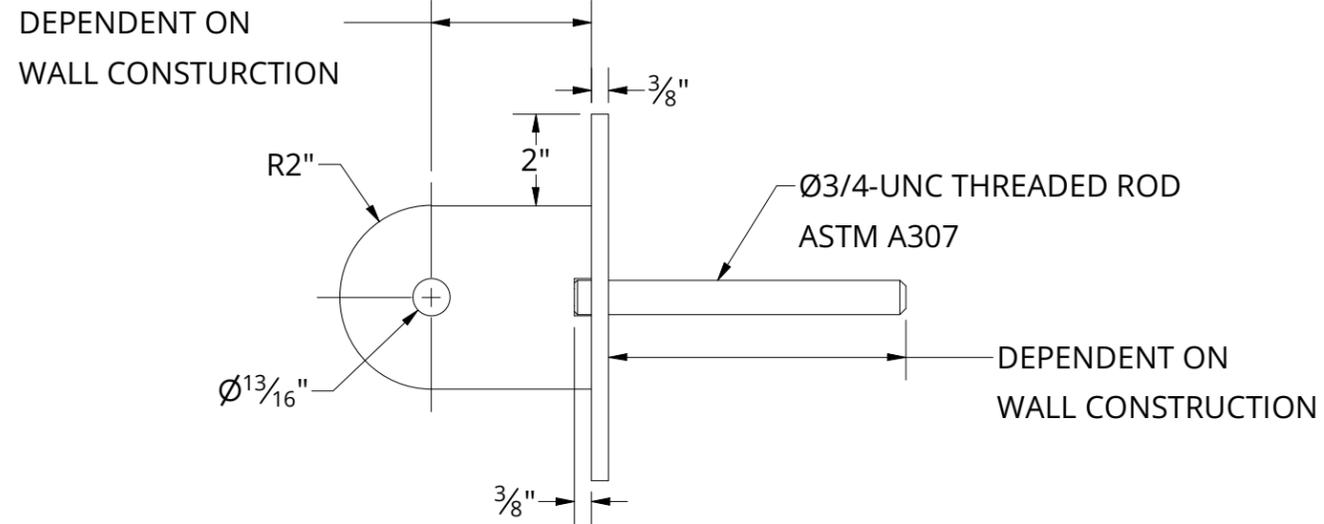
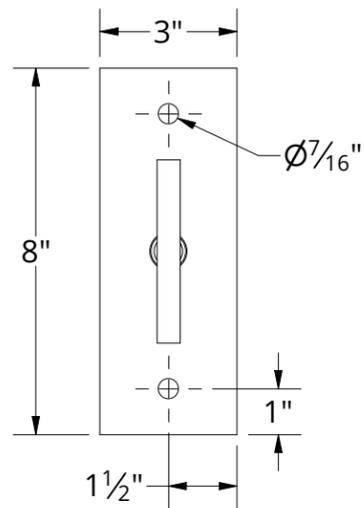
KNIFE PLATE DETAIL

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2

1