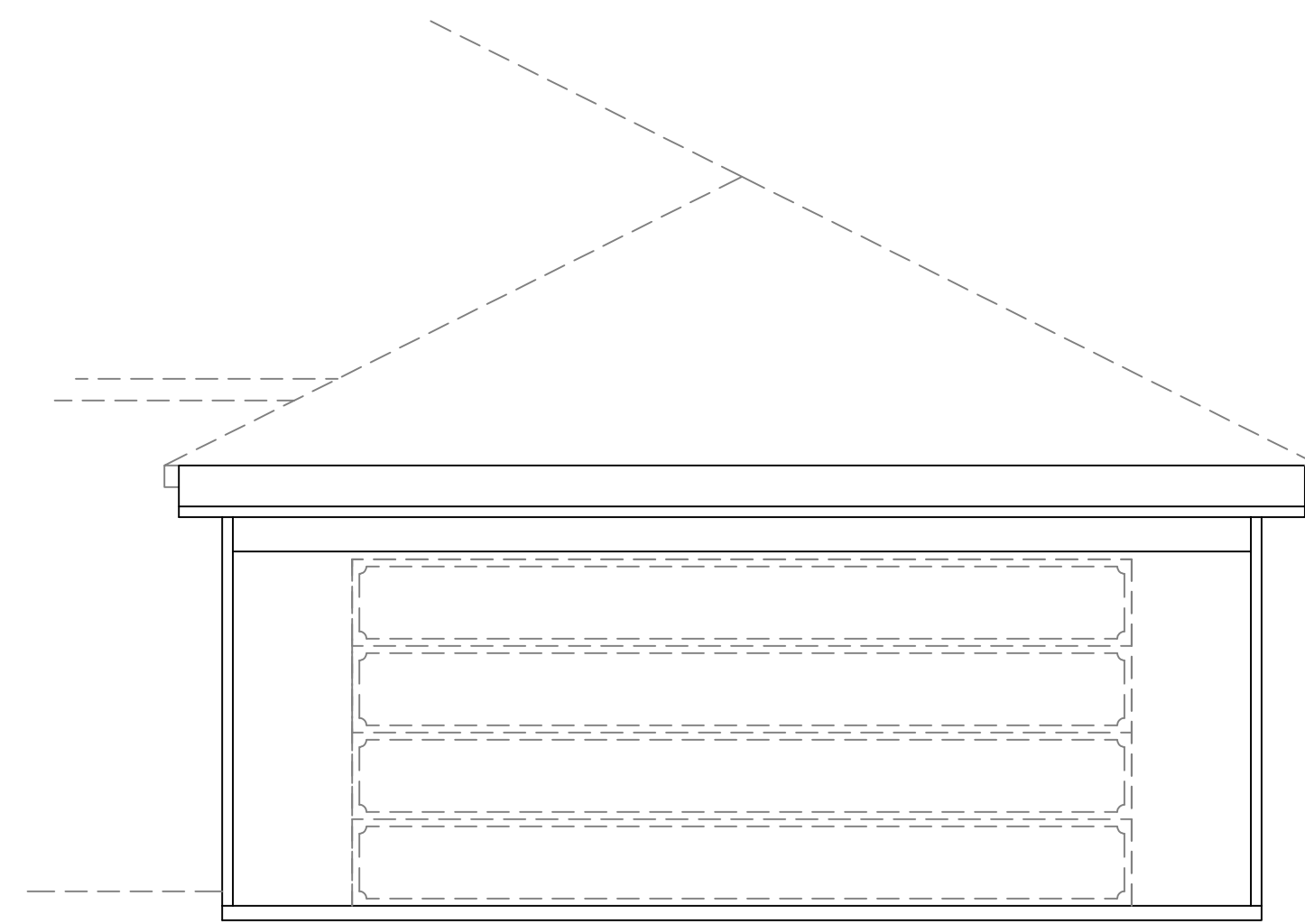


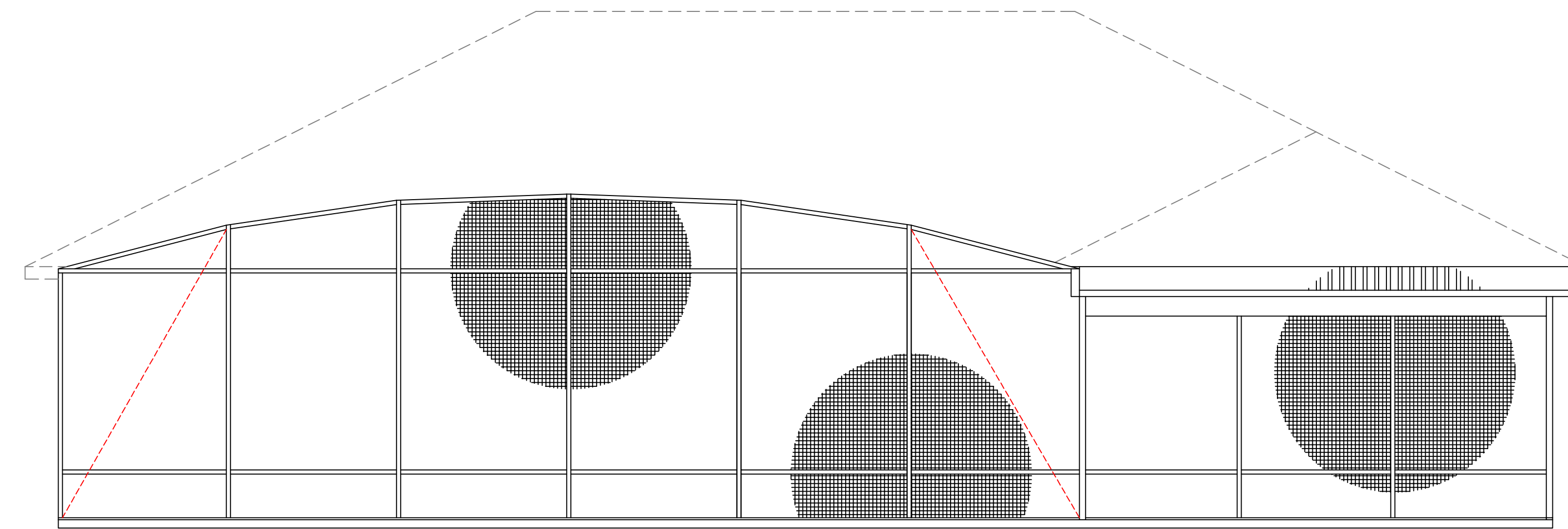
1. DESIGN WIND SPEED Vult = 130 MPH
2. BUILDING RISK CATEGORY 2
3. WIND EXPOSURE: "B"
4. 2020 FLORIDA BUILDING CODE RESIDENTIAL / BUILDING 7th EDITION
5. ROOF LIVE LOAD = 20 PSF, DEAD LOAD = 3 PSF
6. ASSUMED SOIL BEARING CAPACITY = 2,000 PSF
7. INTERNAL PRESSURE COEF = +/-0.18
8. CONCRETE COMPRESSION STRENGTH 3000 PSI @ 28 DAYS
9. NFPA70 / NEC 2017 CODES IN EFFECT

COMPONENTS AND CLADDING											
ZONE	EFFECTIVE WIND AREA (FT²)	BASIC WIND SPEED (MPH)									
		130		140		150		160		170	
4	10	30.4	-33.0	35.3	-38.2	40.5	-38.2	46.1	-50.0	52.0	-56.5
4	20	29.0	-31.6	33.7	-36.7	38.7	-36.7	44.0	-47.9	49.6	-54.1
4	50	27.2	-29.8	31.6	-34.6	36.2	-34.6	41.2	-45.1	46.6	-51.0
4	100	25.9	-28.4	30.0	-33.0	34.4	-33.0	39.2	-43.1	44.2	-48.6
5	10	30.4	-40.7	35.3	-47.2	40.5	-47.2	46.1	-61.7	52.0	-69.6
5	20	29.0	-38.0	33.7	-44.0	38.7	-44.0	44.0	-57.5	49.6	-64.9
5	50	27.2	-34.3	31.6	-39.8	36.2	-39.8	41.2	-52.0	46.6	-58.7
5	100	25.9	-31.6	30.0	-36.7	34.4	-36.7	39.2	-47.9	44.2	-54.1

<div style="text-align: center;"><h2 style="margin: 0;">Riddle Consulting Engineers, Inc.</h2><div style="display: flex; align-items: center; justify-content: center; margin: 20px 0;"><div style="width: 50px; height: 50px; background-color: red; transform: rotate(45deg); margin-right: 10px;"></div><div style="text-align: left;"><p>structural civil mechanical</p></div></div><div style="text-align: center; margin-bottom: 20px;"><p>Paul D. Riddle, P.E. Senior Engineer COA: 00004759</p></div><div style="text-align: center;"><p>Paul A. Riddle, Jr. Structural Engineer</p></div><div style="display: flex; justify-content: space-between; margin-top: 20px;"><div style="width: 45%;"><p>EMAIL ADDRESS</p><p>PHONE FAX WEBSITE</p></div><div style="width: 45%; text-align: center;"><p>RIDDLSENG@aol.com 1720 SE CITY HWY 484 BELLEVUE, FL 34420 (352) 245-7041 (352) 245-5458 WWW.RIDDLEENGINEERING.COM</p></div></div></div>		<div style="text-align: center; margin-bottom: 20px;"><p>ENGINEER'S SEAL</p></div> <div style="text-align: center; margin-top: 20px;"><p>PAUL D. RIDDLE, P.E. P.E. 36989</p></div>
<div style="display: flex; justify-content: space-between;"><div style="width: 60%; text-align: center;"><p>A CUSTOM DESIGN FOR</p><h1 style="margin: 0;">THE JIMENEZ DENNICEL RESIDENCE</h1><p>PRECISION SCREENS</p></div><div style="width: 35%; border: 1px solid black; padding: 5px;"><p>DRAWN: JASON R. RIDDEL</p><hr/><p>DATE 8.22.2022</p><hr/><p>COPYRIGHT © 2021 THESE PLANS ARE PROTECTED BY COPYRIGHT LAWS. ANY UNAUTHORIZED USES MAY RESULT IN LEGAL ACTION.</p><hr/><p>SCALE 1/4" = 1'-0"</p><hr/><div style="text-align: center; font-size: 48px; font-weight: bold; margin: 10px 0;">1 OF 3</div><hr/><p>JOB NUMBER 22205</p></div></div>		
<div style="display: flex; justify-content: space-between;"><div style="width: 60%;"><p>REVISIONS, NOTES</p></div><div style="width: 35%;"></div></div>		



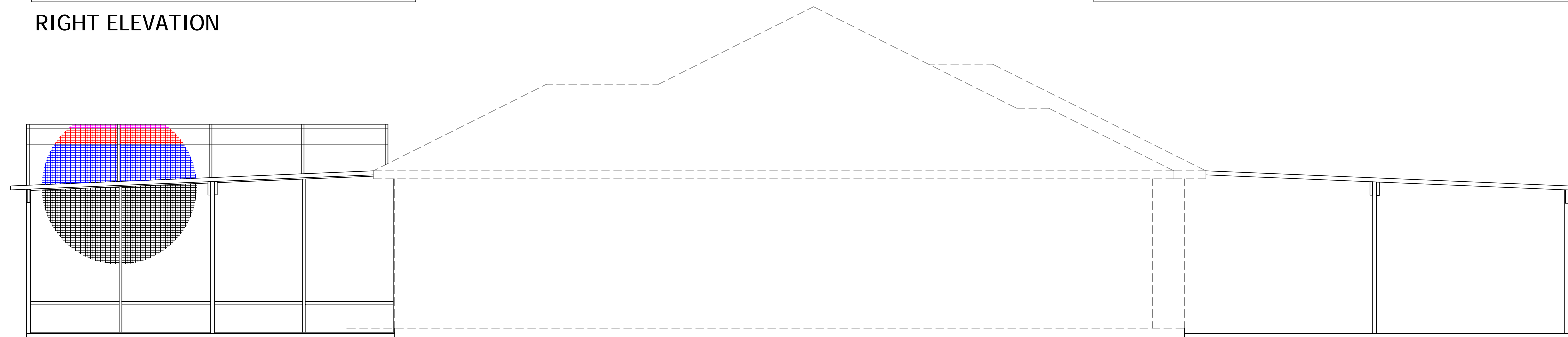
FRONT ELEVATION



REAR ELEVATION

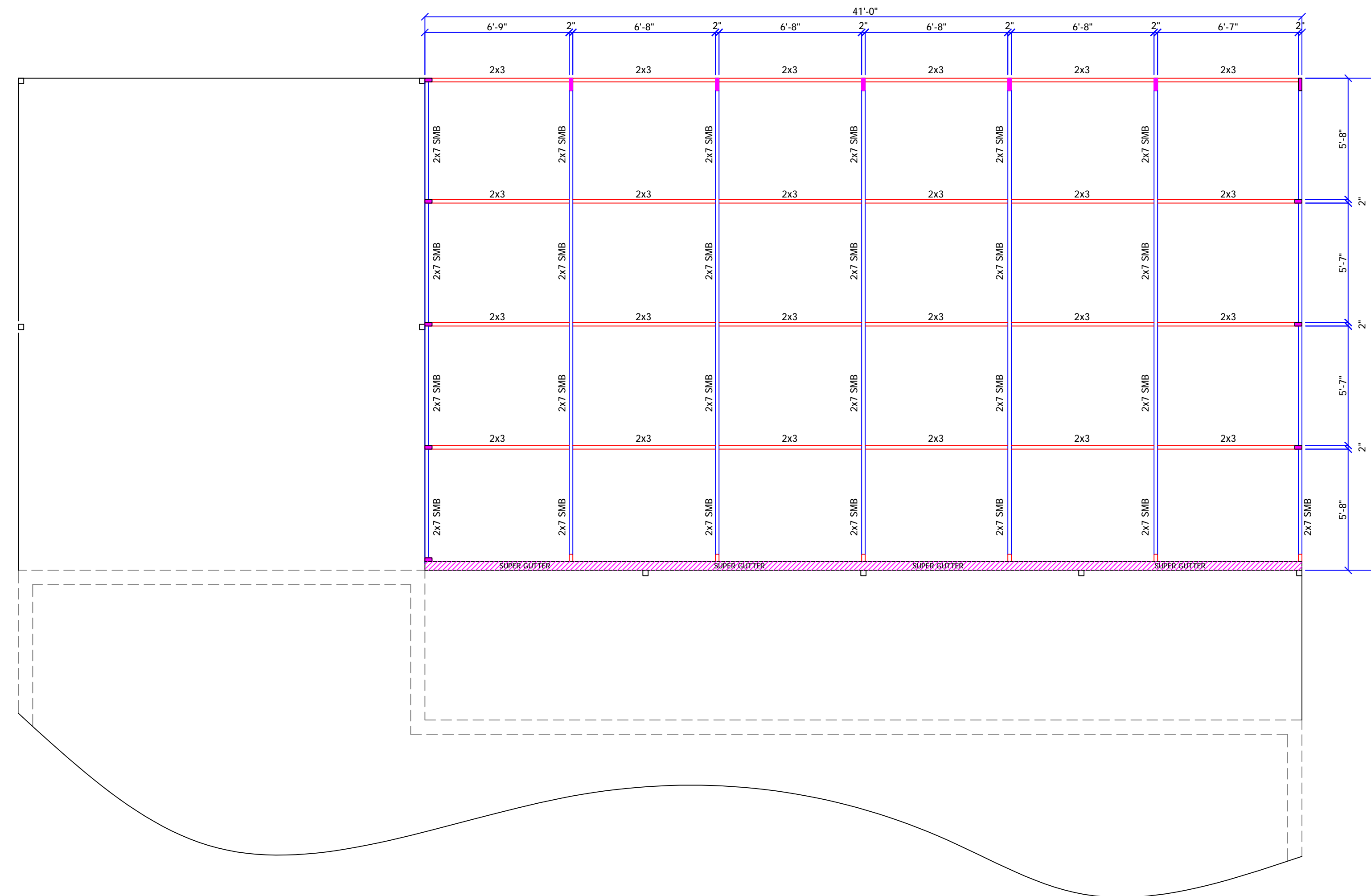


RIGHT ELEVATION

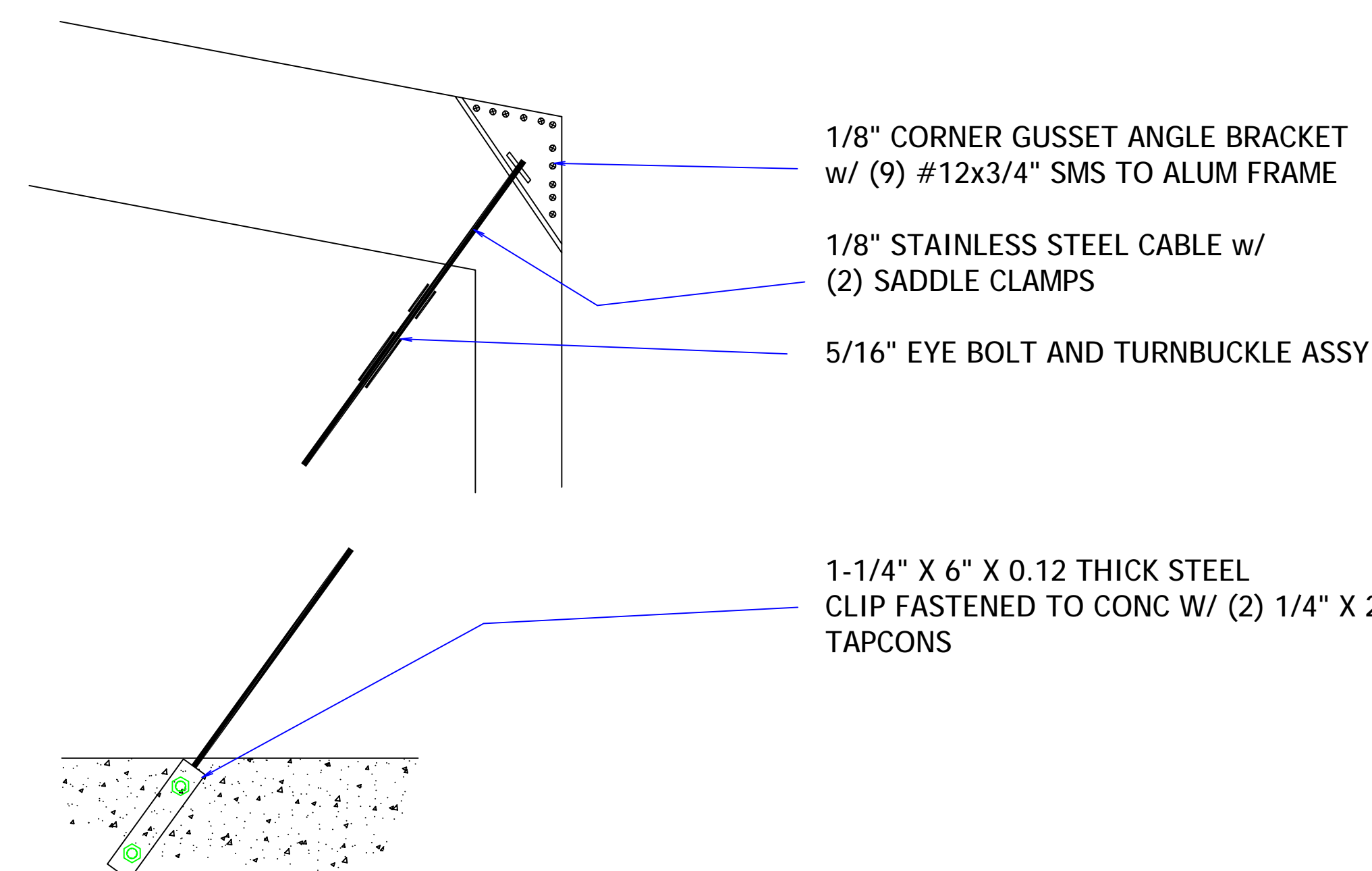


LEFT ELEVATION

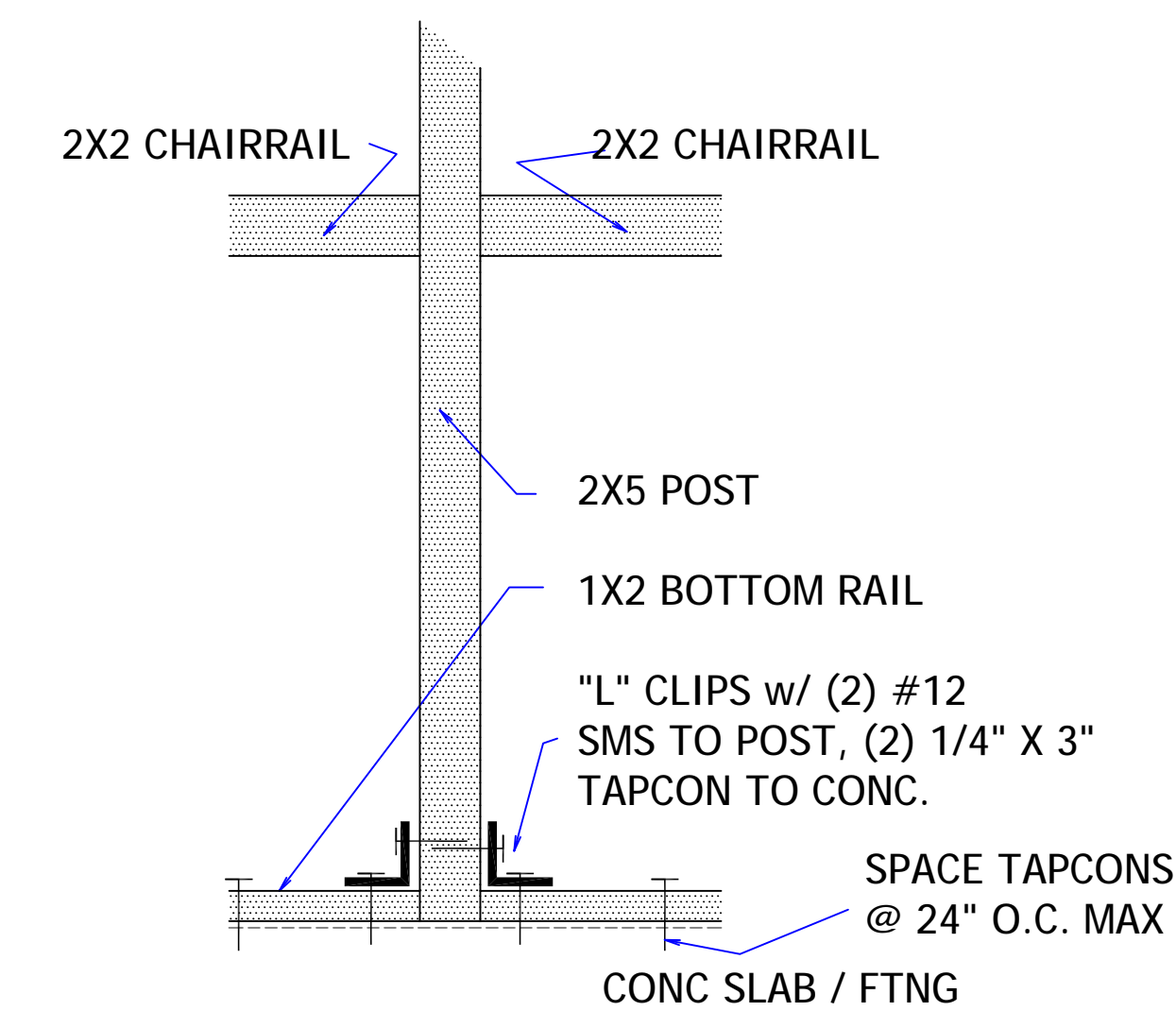
<div style="text-align: center;"><h2>Riddle Consulting Engineers, Inc.</h2><div style="display: flex; align-items: center; justify-content: center; margin: 20px 0;"><div style="text-align: left;"><p>structural civil mechanical</p></div></div><p>Paul D. Riddle, P.E. Senior Engineer COA: 00004759</p><p>Paul A. Riddle, Jr. Structural Engineer</p><div style="display: flex; justify-content: space-between; margin-top: 40px;"><div><p>EMAIL ADDRESS</p><p>PHONE FAX WEBSITE</p></div><div style="text-align: center;"><p>RIDDLEENG@AOL.COM 1720 SE CITY HWY 484 BELLEVUE, FL 34420 (352) 245-7041 (352) 245-5458 WWW.RIDDLEENGINEERING.COM</p></div></div></div>	<div style="text-align: center; margin-bottom: 40px;"><p>ENGINEER'S SEAL</p><div style="border: 1px solid black; height: 100px; width: 100px; margin: 0 auto;"></div></div> <div style="text-align: right; margin-top: 40px;"><p>_____ PAUL D. RIDDLE, P.E. P.E. 36989</p></div>
<div style="text-align: center; margin-top: 40px;"><p>A CUSTOM DESIGN FOR</p><h1>THE JIMENEZ DENNICEL RESIDENCE</h1><p>PRECISION SCREENS</p></div> <div style="margin-top: 40px;"><p>REVISIONS, NOTES</p><div style="border: 1px solid black; height: 100px; width: 100%;"></div></div>	<div style="margin-top: 40px;"><p>DRAWN: JASON R. RIDDLE</p><hr/><p>DATE 8.22.2022</p><hr/><div style="border: 1px solid black; padding: 5px; text-align: center; margin: 5px 0;"><p><small>COPYRIGHT © 2021 THESE PLANS ARE PROTECTED BY COPYRIGHT LAWS. ANY UNAUTHORIZED USES MAY RESULT IN LEGAL ACTION.</small></p></div><hr/><p>SCALE 1/4" = 1'-0"</p><hr/><div style="text-align: center; font-size: 2em; font-weight: bold; margin: 10px 0;">2 OF 3</div><hr/><p>JOB NUMBER 2220564</p></div>



BIRDCAGE FRAMING PLAN

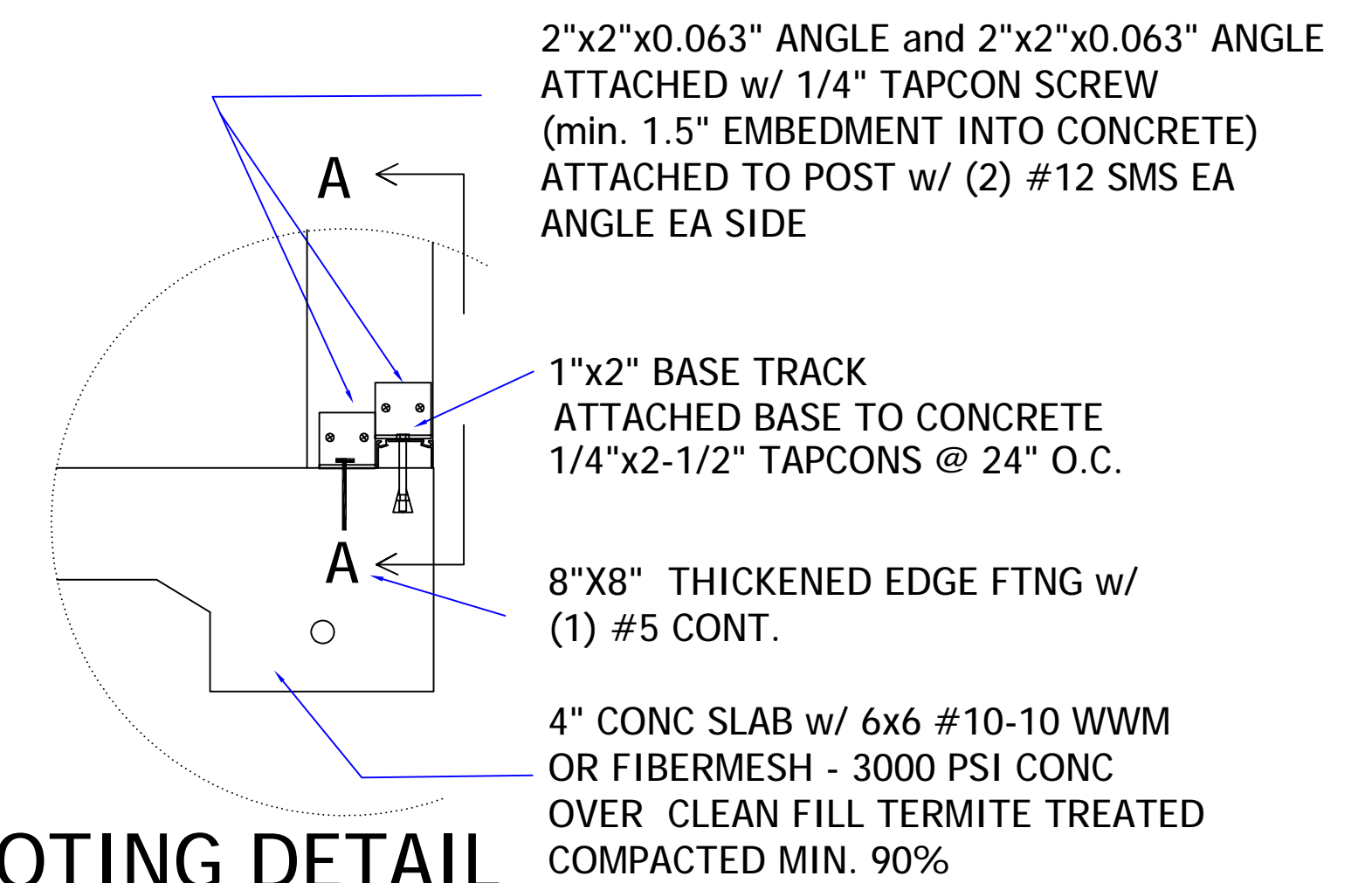
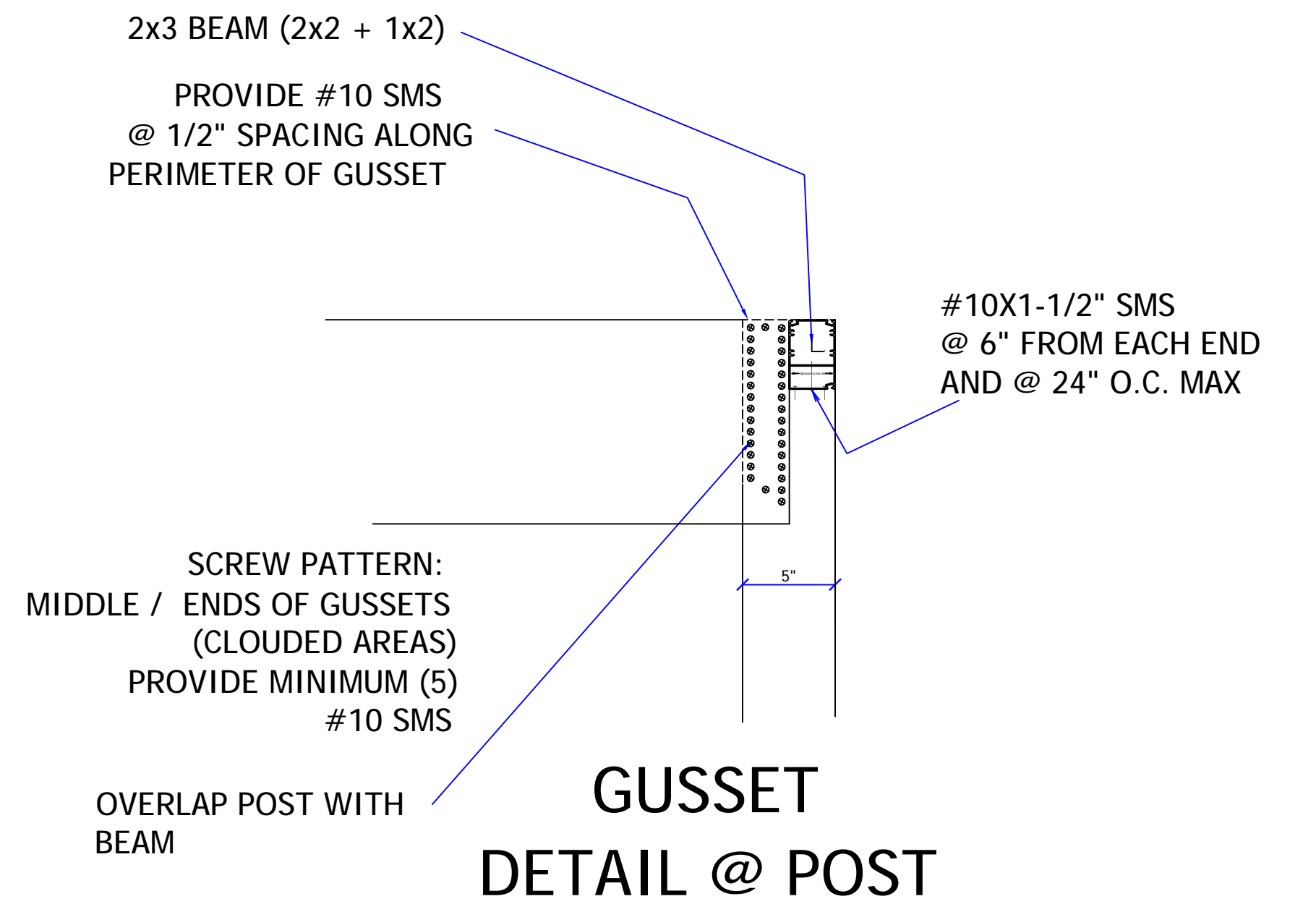
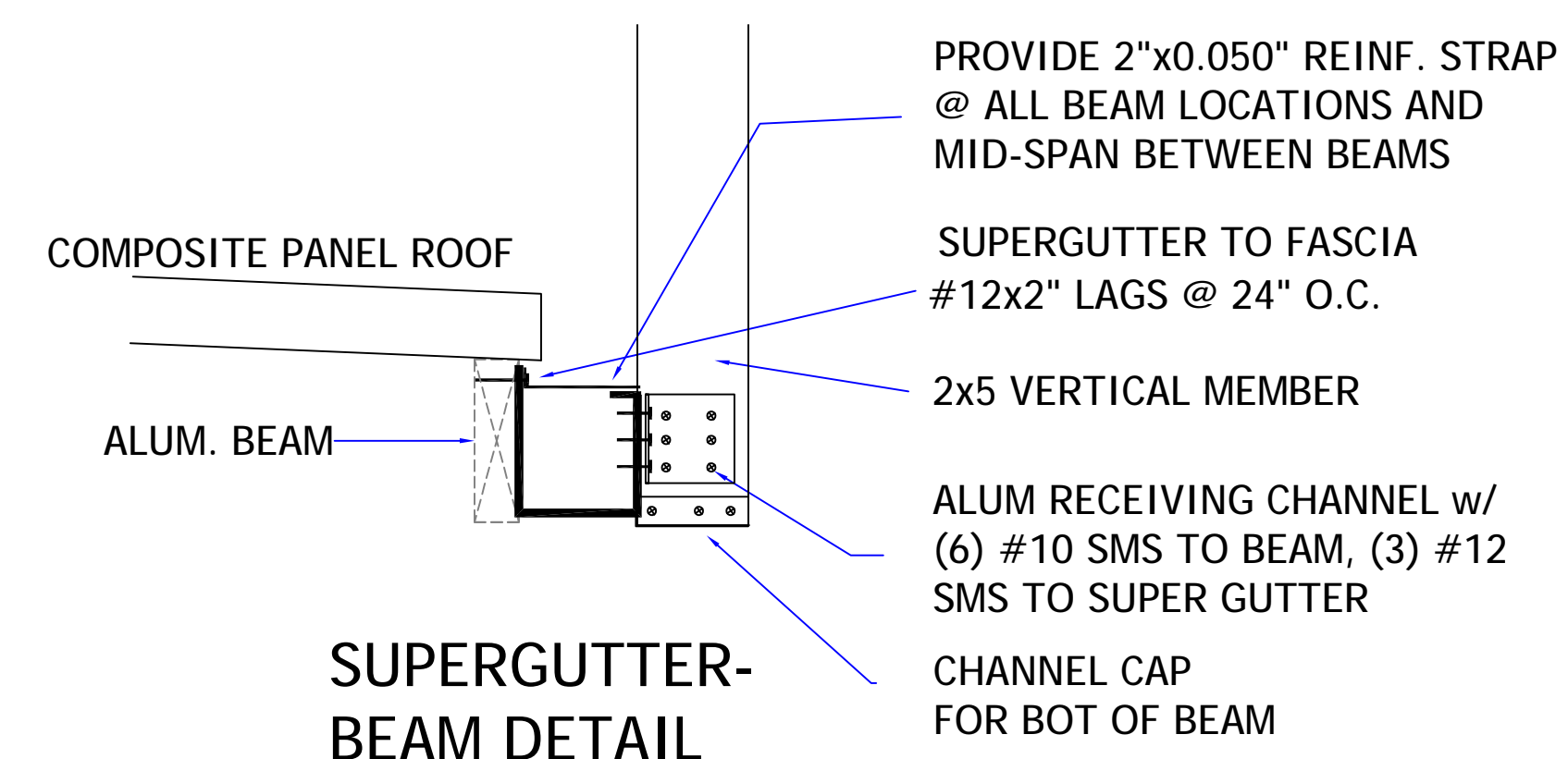


BRACING CABLE CONNECTION DETAIL



TYPICAL FRAMING DETAIL

NTS



FOOTING DETAIL

<div style="text-align: center;"><h2>Riddle Consulting Engineers, Inc.</h2><div style="display: flex; align-items: center; justify-content: center; margin: 20px 0;"><div><p>structural civil mechanical</p></div></div><p>Paul D. Riddle, P.E. Senior Engineer COA: 00004759</p><p>Paul A. Riddle, Jr. Structural Engineer</p><div style="display: flex; justify-content: space-between; margin-top: 40px;"><div><p>EMAIL ADDRESS</p><p>PHONE FAX WEBSITE</p></div><div style="text-align: center;"><p>RIDDLEENG@aol.com 1720 SE CITY HWY 484 BELLEVUE, FL 34420 (352) 245-7041 (352) 245-5458 WWW.RIDDLEENGINEERING.COM</p></div></div></div>	<div style="text-align: center; margin-bottom: 40px;"><p>ENGINEER'S SEAL</p><div style="border: 1px solid black; height: 100px; width: 100px; margin: 0 auto;"></div></div> <div style="text-align: center; margin-top: 40px;"><p>_____ PAUL D. RIDDLE, P.E. P. E. 36989</p></div>
<div style="display: flex; justify-content: space-between;"><div style="width: 65%; text-align: center;"><p>A CUSTOM DESIGN FOR</p><h1>THE JIMENEZ DENNICEL RESIDENCE</h1><p>PRECISION SCREENS</p></div><div style="width: 30%; border: 1px solid black; padding: 5px;"><p>DRAWN: JASON R. RIDDLE</p><hr/><p>DATE 8.22.2022</p><hr/><p style="text-align: center; font-size: small;">COPYRIGHT © 2021 THESE PLANS ARE PROTECTED BY COPYRIGHT LAWS. ANY UNAUTHORIZED USES MAY RESULT IN LEGAL ACTION.</p><hr/><p>SCALE 1/4" = 1'-0"</p><hr/><div style="text-align: center; font-size: 2em; font-weight: bold;">3 OF 3</div><hr/><p>JOB NUMBER 2220564</p></div></div>	
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