

- ENGINEER'S NOTES:**
- DESIGN WIND SPEED Vult = 130 MPH
 - BUILDING RISK CATEGORY 2
 - WIND EXPOSURE: "B"
 - 2020 FLORIDA BUILDING CODE RESIDENTIAL / BUILDING 7th EDITION
 - ROOF LIVE LOAD = 20 PSF, DEAD LOAD = 3 PSF
 - ASSUMED SOIL BEARING CAPACITY = 2,000 PSF
 - INTERNAL PRESSURE COEF = +/-0.18
 - CONCRETE COMPRESSION STRENGTH 3000 PSI @ 28 DAYS
 - 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

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ENGINEER'S SEAL

PAUL D. RIDDLE, P.E.
P.E. 36989

DRAWN: JASON R. RIDDLE

DATE: 8.22.2022

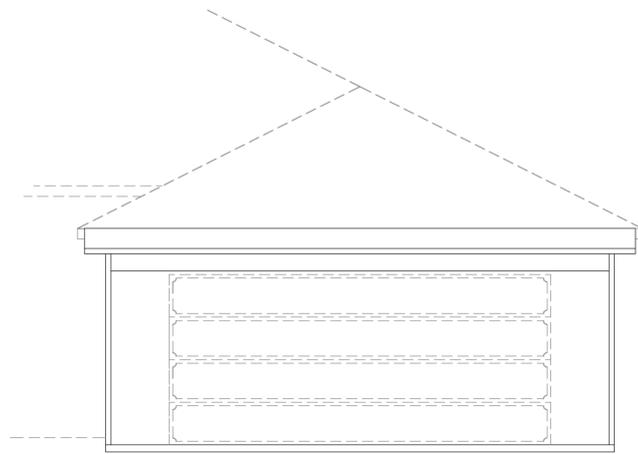
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SCALE: 1/4" = 1'-0"

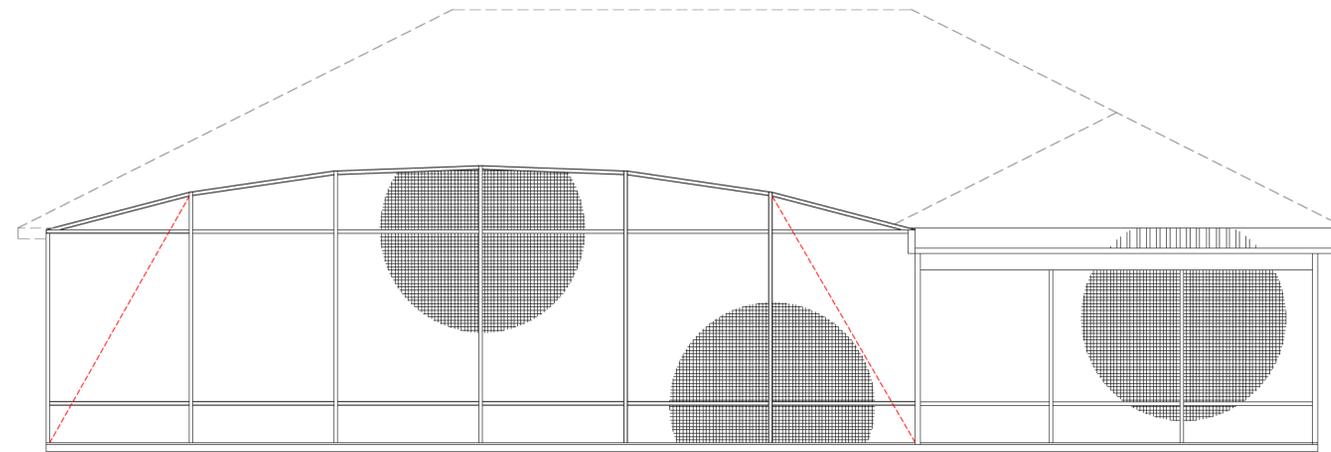
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REVISIONS, NOTES

JOB NUMBER: 2220565



FRONT ELEVATION



REAR ELEVATION



RIGHT ELEVATION



LEFT ELEVATION

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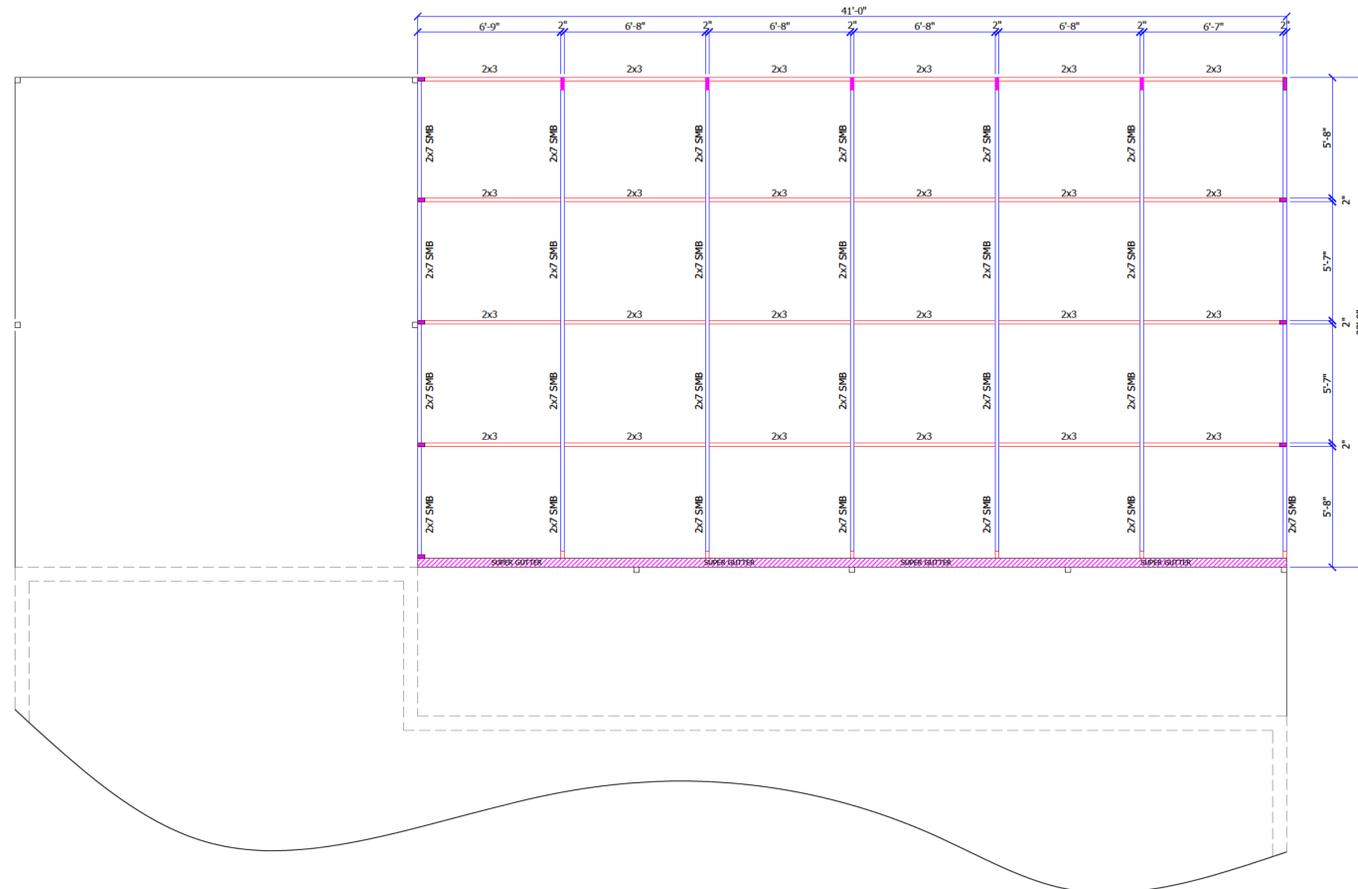
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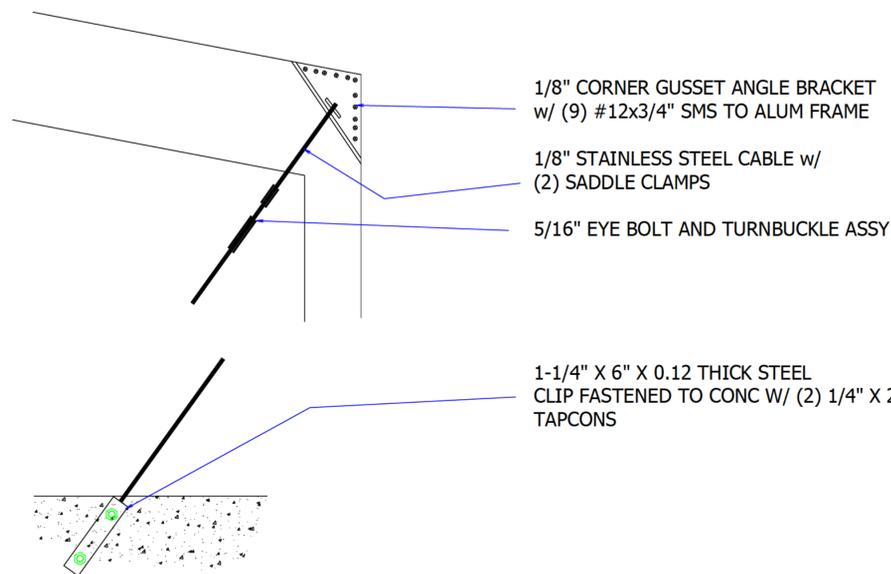
2 OF 3

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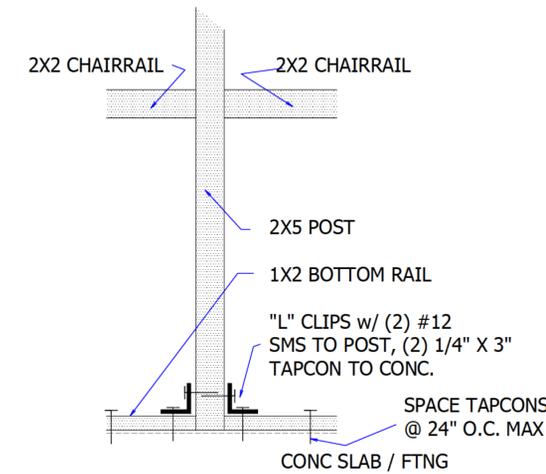
REVISIONS, NOTES



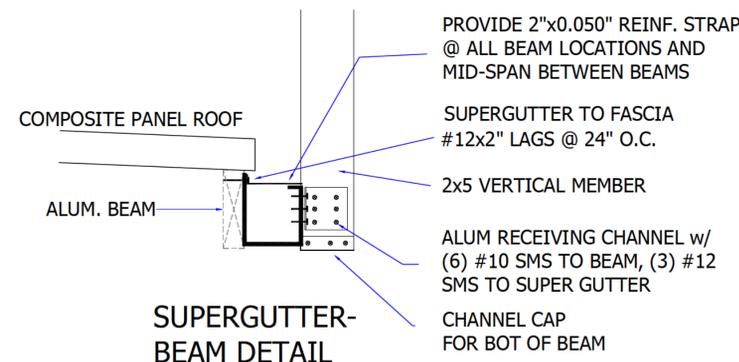
BIRDCAGE FRAMING PLAN



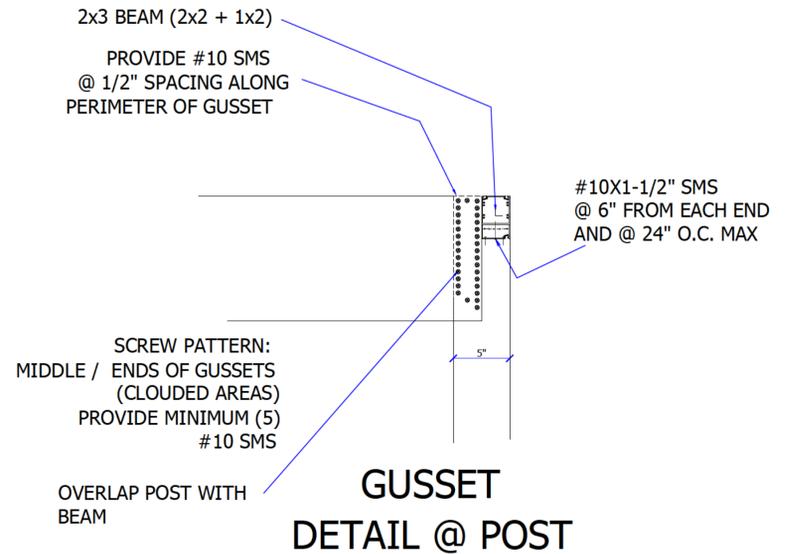
BRACING CABLE CONNECTION DETAIL



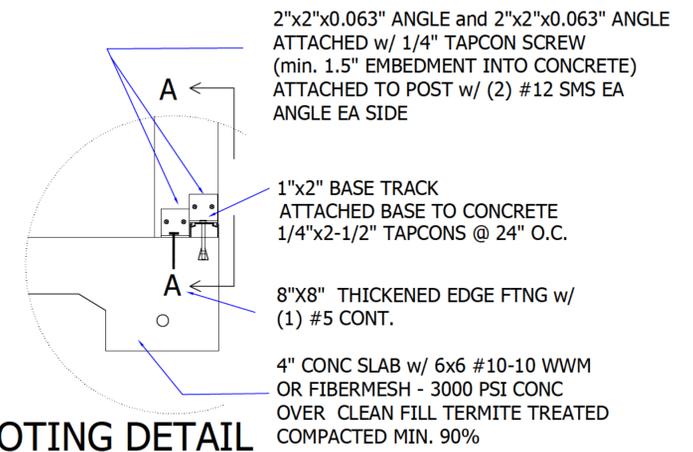
TYPICAL FRAMING DETAIL
NTS



SUPERGUTTER-BEAM DETAIL



GUSSET
DETAIL @ POST



FOOTING DETAIL

<p>Riddle Consulting Engineers, Inc.</p> <p>structural civil mechanical</p> <p>Paul D. Riddle, P.E. Senior Engineer COA: 00004759</p> <p>Paul A. Riddle, Jr. Structural Engineer</p> <p>EMAIL: RIDDLEENG@AOL.COM ADDRESS: 1720 SE CTY HWY 484 BELLEVUE, FL 34420 PHONE: (352) 245-7941 FAX: (352) 245-5458 WEBSITE: WWW.RIDDLEENGINEERING.COM</p>	ENGINEER'S SEAL
	<p>PAUL D. RIDDLE, P.E. P.E. 36989</p>

<p>REVISIONS, NOTES</p>	<p>SCALE 1/4" = 1'-0"</p> <p>3 OF 3</p> <p>JOB NUMBER 2220565</p>
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