



S P Cronin Enterprises, Inc.

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Fl. State Licensed General Contractor CGC046367

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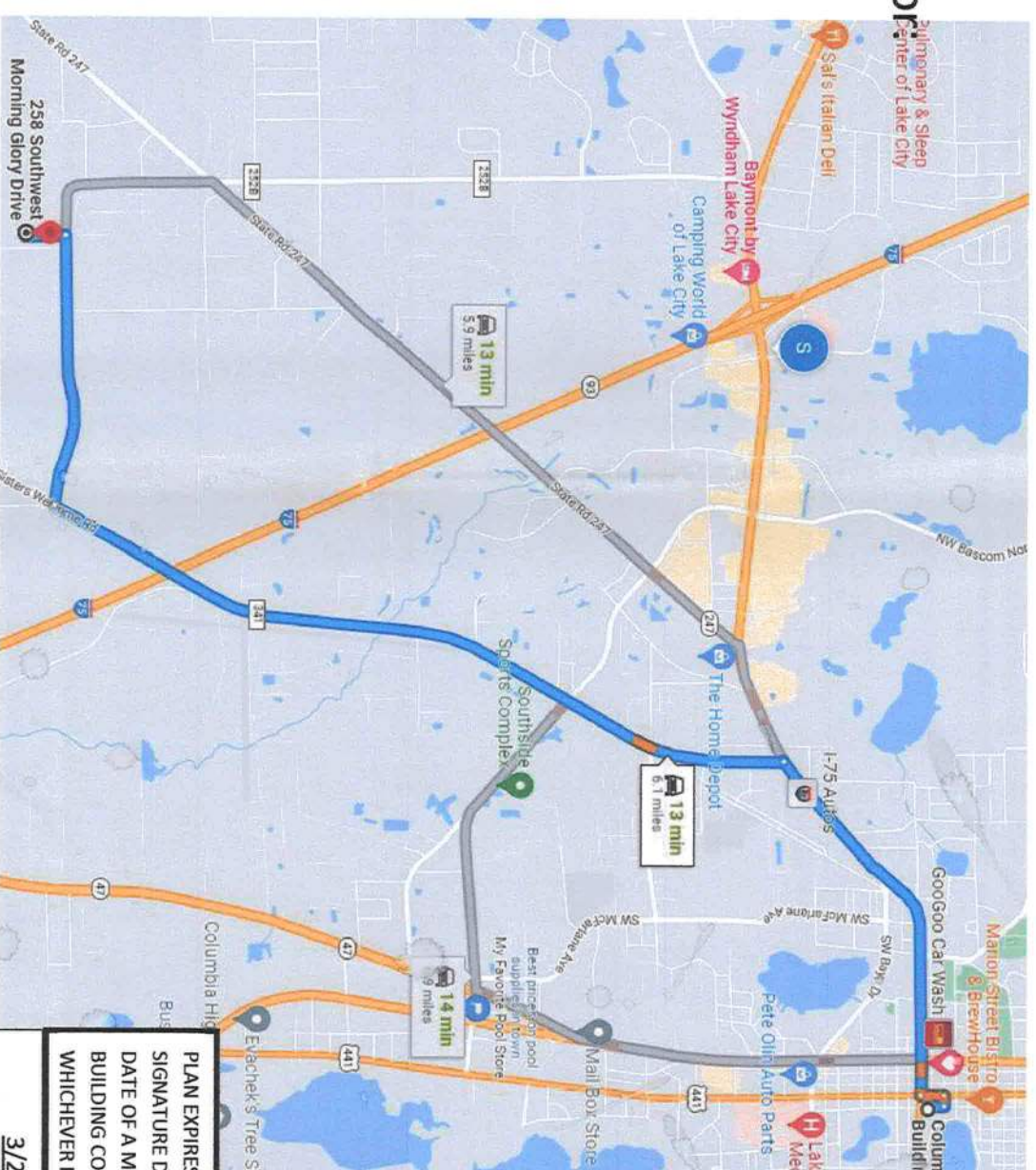
Cell 386-965-0066

258 SW Morning Glory Dr Lake City, FL 32024

(704) 928-5916

Parcel ID 15-4S-16-03023-553 (13947)

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Toll – Fax 800-286-7929
Lake City 386-269-3305
Cell 386-965-0066



3/24/2022

S P Cronin Enterprises, Inc.
1956 SW Main Blvd.
Lake City, FL 32025
(386) 269-3304 OF
(386) 965-0066 Cell
CGC046367

CGC046367

Screen Room Specification For:

Rob Angle
258 SW Morning Glory Dr Lake
City, FL 32024
(704) 928-5916

Scale: None Rev
Page 1

DESIGN CRITERIA:

APPLICABLE CODES, REGULATIONS & STANDARDS

1. THE 2020 FLORIDA BUILDING CODE, SPECIFICALLY CHAPTER 16 STRUCTURAL DESIGN, CHAPTER 20 ALUMINUM & CH. 23 WOOD.
2. AA ASM 35 & SPECIFICATIONS FOR ALUMINUM STRUCTURES, PART 1-A OF THE ALUMINUM DESIGN MANUAL PREPARED BY THE ALUMINUM ASSOCIATION, INC. WASHINGTON D.C. 2005 ED.
3. ASCE 7-16 & SE17
4. NDS NATIONAL DESIGN SPECIFICATION FOR WOOD.
5. ACI318 CONCRETE REFERENCE MANUAL.

WIND LOADS

1. BUILDING OCCUPANCY CATEGORY, PARAGRAPH 1604.5 & TABLE 1604.5: RISK CATEGORY 1.
2. BASIC WIND SPEED, TABLE 1609C, STATE OF FLORIDA DEBRIS REGION & BASIC WIND SPEED, PARAGRAPH 1609.3.1 & TABLE 1609.3.1 EQUIVALENT BASIC WIND SPEED: 110 MPH
3. WIND EXPOSURE CATEGORY, PARAGRAPH 1609.4.3: C
- WIND LOADS PER FBC TABLE 2002.4 (MWFRS) VULT = 150 MPH & EXPOSURE = B

FOR 20 X 20 X 0.013" MESH SCREEN
HORIZONTAL PRESSURES ON WINDWARD SURFACES = 24 PSF
HORIZONTAL PRESSURES ON LEeward SURFACES = 18 PSF
VERTICAL PRESSURES ON SCREEN SURFACES = 7 PSF
VERTICAL PRESSURES ON SOLID SURFACES = 19 PSF

FOR 18 X 14 X 0.013" MESH SCREEN, APPLIED FACTOR = .88
FOR ALLOWABLE STRESS DESIGN, APPLIED FACTOR = .6

FOUNDATION DESIGN

FOOTING SIZE EXISTING CONCRETE SLAB, NO ADDITIONAL FOOTING OR FOUNDATION SYSTEM IS REQUIRED BY THE PROPOSED CONSTRUCTION IF A MINIMUM 4" CONCRETE SLAB IS PROVIDED IN SOUND CONDITION, FREE FROM STRUCTURAL CRACKING, SPALLING & OTHER DETERIORATION. EXISTING FOUNDATION/FOOTING UNDER CONCRETE SLAB MINIMUM 8"x8" W/ (1) #5 BAR TO BE VERIFIED BY CONTRACTOR. SEE TYPICAL FOOTING DETAILS FOR NEW FOOTING DESIGN MINIMUM REQUIREMENTS.

MISCELLANEOUS

1. SCREENED ENCLOSURES CONTAINING SWIMMING POOLS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF FBC R4501.17 RESIDENTIAL SWIMMING BARRIER REQUIREMENTS.
2. ALUMINUM ADDITIONS ARE NOT TO BE INSTALLED ON A MANUFACTURED HOME, TRAILER HOME, OR PRE-FAB HOME. IF THE EXISTING STRUCTURE IS ONE OF THESE, A SEPARATE 4TH WALL SUPPORT SYSTEM IS SO TO BE ENGINEERED SO THAT NO ADDITIONAL LOADING IS PLACED ON THE MANUFACTURED HOME.

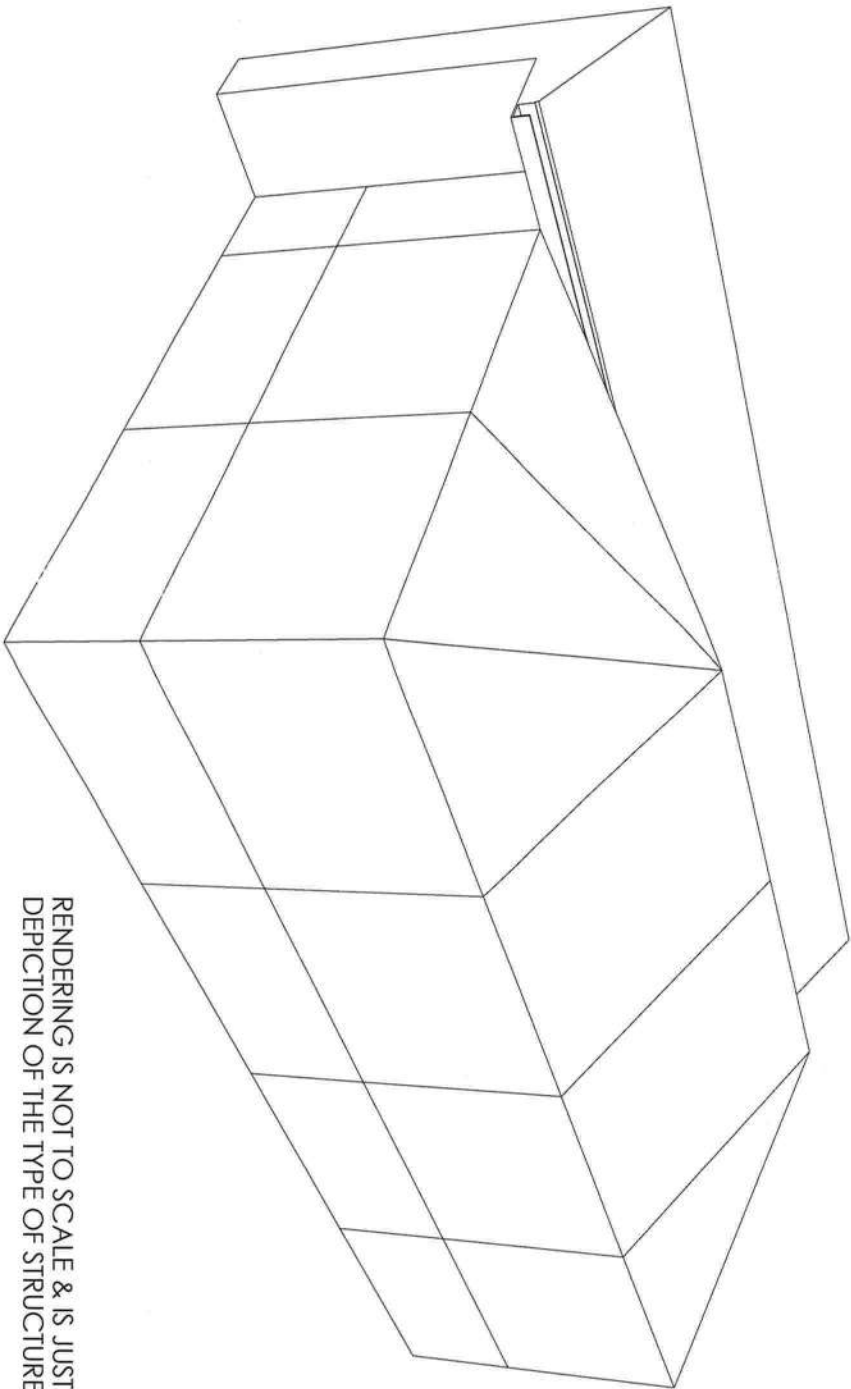
FASTER SPECIFICATIONS

1. FASTENERS ARE REQUIRED TO BE SAE GRADE 2 OR BETTER ZINC PLATED. (CONCRETE ANCHORS ARE TO BE TAPCONS OR BETTER, INSTALLED TO MFG. SPECIFICATIONS)
2. IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN THE SCREENS, FASTENERS AND SCREENS TO MANUFACTURING SPECIFICATIONS.
3. WHERE WOOD DECK IS PRESENT USE 1/4" X 3-1/2" GALV. LAG SCREWS IN LIEU OF MASONRY ANCHORS, UNLESS OTHERWISE SPECIFIED.
4. 1"x2" NON STRUCTURAL MEMBERS ATTACHED TO HOST
A. FOR MASONRY/CONCRETE APPLICATION USE GALVANIZED 1/4" X 2-3/4" TAPCONS OR EQUAL AT 24" O.C. AND 6" FROM ENDS
B. FOR WOOD APPLICATION USE #14 X 2-3/4" WOOD SCREW AT 24" O.C. AND 6" FROM ENDS
C. FOR ALUMINUM APPLICATION USE #10 X 1-1/2" SMS OR TEK SCREW AT 24" O.C. AND 6" FROM ENDS
D. WHERE 1"x2" INSTALLED THROUGHOUT AN "OPEN VIEW" SPACING SHALL BE REDUCED TO 18" O.C. AND 6" FROM ENDS

RESPONSIBILITIES

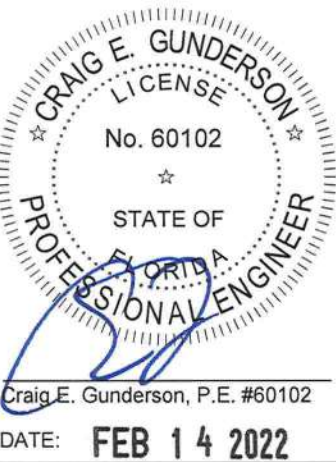
1. ALL SITE WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LOCAL ORDINANCES, AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.
2. FOR FASTENERS WHICH ARE NOT VISIBLE AFTER INSTALLATION, THE CONTRACTOR SHALL VERIFY AND ENSURE INSTALLATION HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND IN ACCORDANCE WITH THE ATTACHED DETAILS.
3. FOR "PICTURE WINDOW" MODIFICATION TO EXISTING SCREEN ENCLOSURES, ALL OTHER "EXISTING SCREEN ENCLOSURE" FEATURES ARE TO MEET THE TYPICAL DETAILS AS PROVIDED IN THESE DETAILS. CONTRACTOR IS TO VERIFY & ASSURE EXISTING SCREEN ENCLOSURE IS STRUCTURALLY SOUND.
4. CONTRACTOR TO PROVIDE NOA'S & INSTALL ALL MATERIALS AS PER MANUFACTURERS SPECIFICATIONS.
5. INTEGRITY OF EXISTING/HOST STRUCTURE SHALL NOT BE COMPROMISED WITH THE ATTACHMENT OF THE PROPOSED STRUCTURE.

SHEET NO.	DRAWING INDEX
S/01	GENERAL NOTES
S/02	PLAN/ ELEVATIONS
S/03	DETAILS
S/04	DETAILS

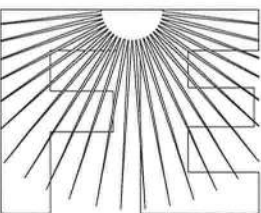


RENDERING IS NOT TO SCALE & IS JUST A GENERALIZED
DEPICTION OF THE TYPE OF STRUCTURE PROPOSED

PROPOSED HIP GABLE SCREEN ENCLOSURE
SEE FOUNDATION DESIGN SHEET-01



FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
www.flengineeringllc.com



PROJECT NO. 2203976

CA CERT. #30782

CONTRACTOR:
MY FAVORITE POOL BUILDER
PROJECT ADDRESS:
ANGLE
258 SW MORNING GLORY DR
LAKE CITY, FL 32024

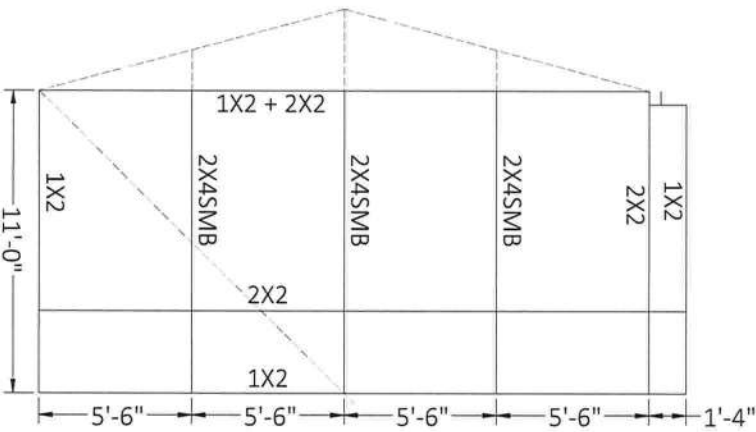
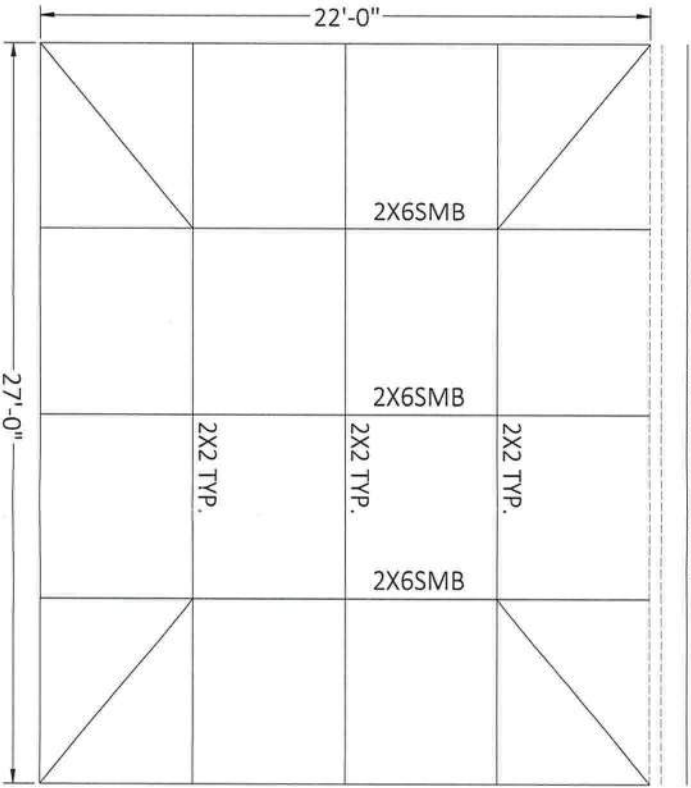
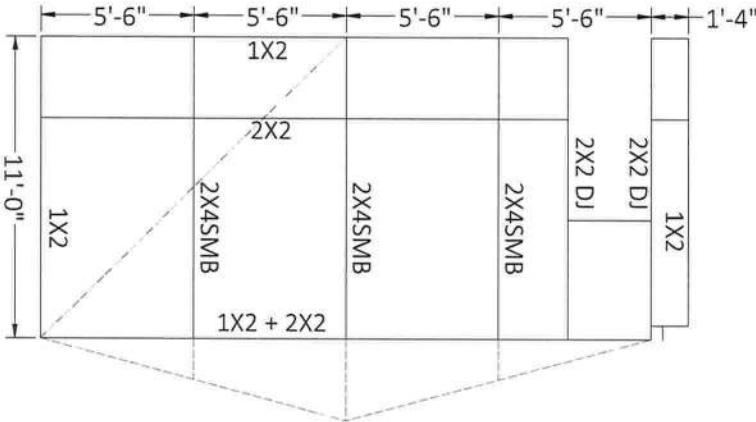
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REVISION 1: DATE
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SHEET:
01

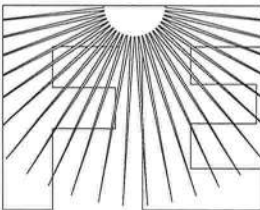
- ALUMINUM SPECIFICATIONS
1. ALUMINUM EXTRUSIONS SHALL BE 6005 T5 ALLOY UNLESS OTHERWISE NOTED.
 2. ALL SELF MATTING BEAM SECTIONS ARE TO BE STITCHED WITH #12 SCREWS 6" FROM ENDS & 24" CENTER TO CENTER.
 3. ROOF BRACING SHALL BE A MINIMUM 2"x2"x.050".
 4. THE MINIMUM NORMAL THICKNESS OF PROTECTOR PANELS (KICKPLATES) SHALL BE AN INDUSTRY STANDARD OF 0.024 INCHES.
 5. VINYL AND ACRYLIC PANELS SHALL BE REMOVED WHEN WIND SPEEDS EXCEED 75 MPH PER FBC.
 6. SCREEN MATERIAL SHALL BE 18/14 SCREEN UNLESS APPROVED BY FLORIDA ENGINEERING LLC.
 7. 1"x2" & 1"x3" NON STRUCTURAL MEMBERS MAY BE USED INTERCHANGEABLY.
 8. DOOR LOCATION MAY BE DETERMINED/ RELOCATED BY CONTRACTOR IN THE FIELD.

RESIDENCE

HOST 16" O/H STRUC. GUTTER



Craig E. Gunderson, P.E. #60102
DATE: FEB 14 2022



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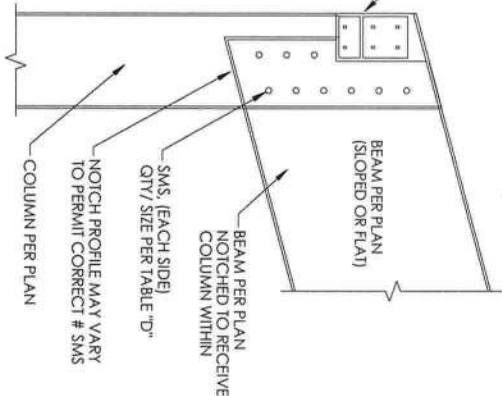
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02

1"x2" FASTEN TO COL. (INTERNAL)
w/(2) #10x1-1/2" SMS; FASTEN TO
EAVE RAILS ABOVE w/ #10 1-1/2" SMS
24" O.C. AND 6" WITHIN COL.

TABLE "D"	
BEAM	QTY/ SIZE EACH SIDE
2 x 3	(4)/ #12
2 x 4	(5)/ #12
2 x 5	(5)/ #12
2 x 6	(6)/ #12
2 x 7	(7)/ #12
2 x 8	(8)/ #14
2 x 9	(9)/ #14
2 x 10	(9)/ #14

MAINTAIN MIN. OF 5/8" SEPERATION
FROM EDGE OF BEAM SMS O.C.

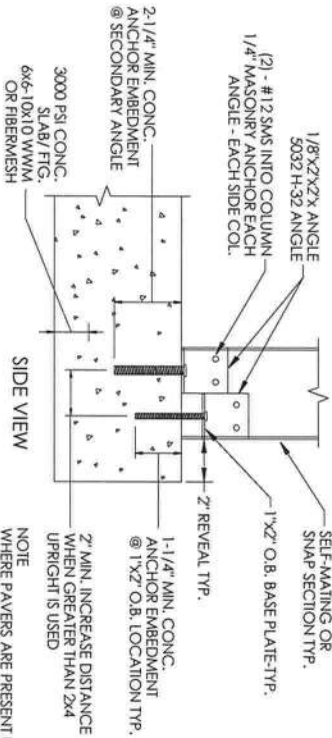


DETAIL E - UPRIGHT TO BEAM
CONNECTION SCALE: NTS

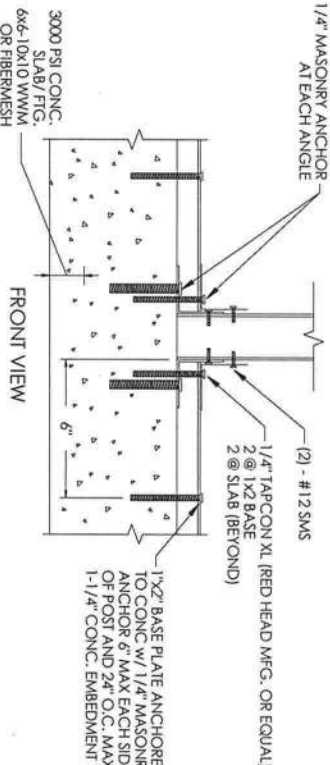
MINIMUM NUMBER OF TAPCONS INTO CONCRETE &
12 X 3/4" S.M.S. INTO UPRIGHT / EACH SIDE OF BEAM
THROUGH SECONDARY 2" X 2" X 0.125" ANGLES

(SEE BELOW)

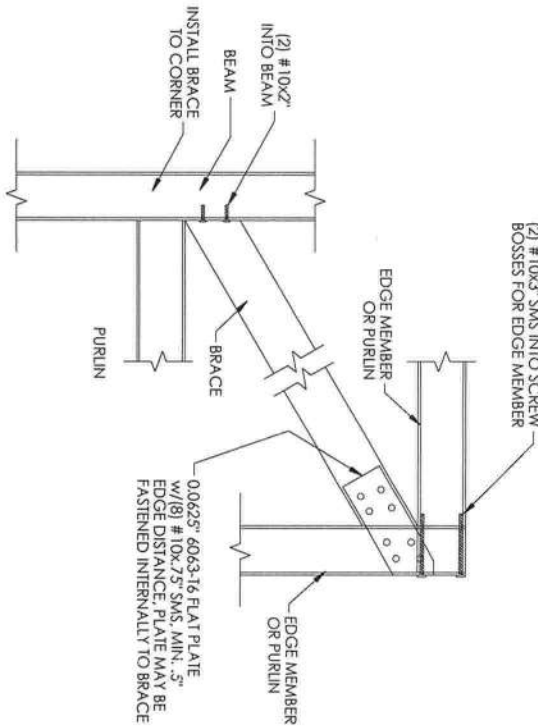
2X4 S.M.B. (1) 1/4" X 2-1/4" S.S. TAPCON & (2) # 12 X 3/4" S.M.S.
2X5 S.M.B. (1) 1/4" X 2-1/4" S.S. TAPCON & (2) # 12 X 3/4" S.M.S.
2X6 S.M.B. (2) 1/4" X 2-1/4" S.S. TAPCON & (3) # 12 X 3/4" S.M.S.
2X7 S.M.B. (2) 1/4" X 2-1/4" S.S. TAPCON & (4) # 12 X 3/4" S.M.S.
2X8 S.M.B. (3) 1/4" X 2-1/4" S.S. TAPCON & (5) # 12 X 3/4" S.M.S.
2X9 S.M.B. (4) 1/4" X 2-1/4" S.S. TAPCON & (6) # 12 X 3/4" S.M.S.
2X10 S.M.B. (5) 1/4" X 2-1/4" S.S. TAPCON & (7) # 12 X 3/4" S.M.S.



NOTE
WHERE PLAYERS ARE PRESENT USE 5/16"
TAPCON XL (RED HEAD MFG.) MASONRY
ANCHORS TO PENETRATE UNDERLYING
CONCRETE FOOTING 2-1/4" (MIN.)



DETAIL "B" - 2"x4" OR LARGER SELF MATING
UPRIGHT TO DECK DETAILS SCALE: NTS



DETAIL "D" - ROOF BRACING CONNECTION
SCALE: NTS

ALUMINUM MEMBERS DIMENSIONS

HOLLOW SECTIONS

2 x 2: 2" x 2" x 0.050"

2 x 3: 2" x 3" x 0.050"

2 x 4: 2" x 4" x 0.050"

2 x 5: 2" x 5" x 0.050"

OPEN BACK SECTIONS

1 x 2: 1" x 2" x 0.044"

1 x 3: 1" x 3" x 0.045"

SNAP SECTIONS

2 x 2 SNAP: 2" x 2" x 0.045"

2 x 3 SNAP: 2" x 3" x 0.050"

2 x 4 SNAP: 2" x 4" x 0.045"

SELF MATING (SMB)

2 x 4 SMB: 2" x 4" x 0.046" x 0.100"

2 x 5 SMB: 2" x 5" x 0.050" x 0.116"

2 x 6 SMB: 2" x 6" x 0.050" x 0.120"

2 x 7 SMB: 2" x 7" x 0.055" x 0.120"

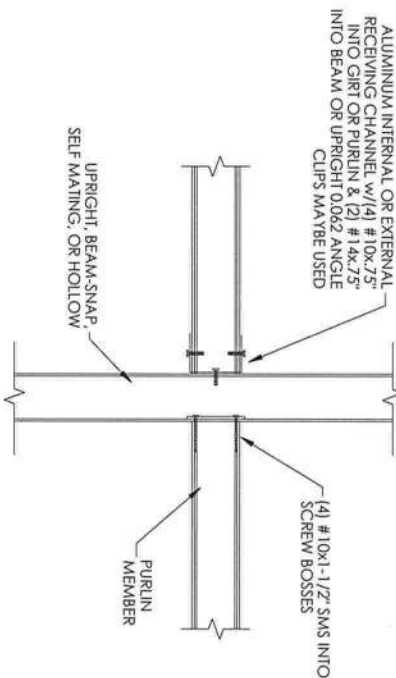
2 x 8 SMB: 2" x 8" x 0.072" x 0.224"

2 x 9 SMB: 2" x 9" x 0.072" x 0.224"

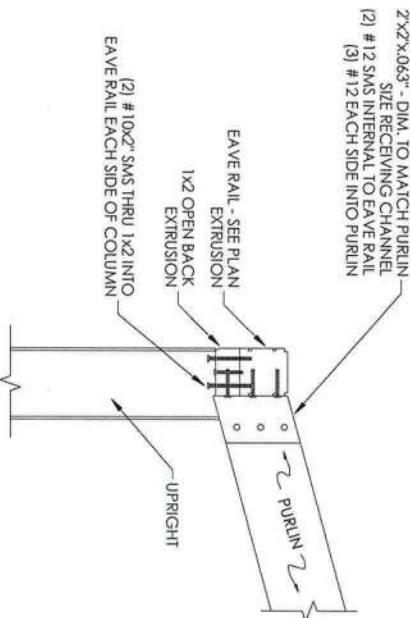
2 x 9(H) SMB: 2" x 9" x 0.082" x 0.306"

2 x 10 SMB: 2" x 10" x 0.092" x 0.374"

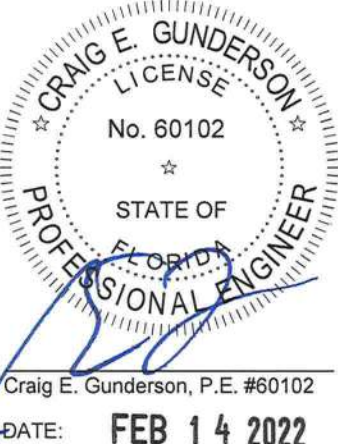
DETAIL A



DETAIL "C" - GIRT OR PURLIN TO BEAM
OR POST DETAIL SCALE: NTS



DETAIL "G" - SLOPED PURLIN
CONNECTION SCALE: NTS

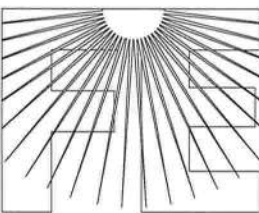


Craig E. Gunderson, P.E. #60102

DATE: FEB 14 2022

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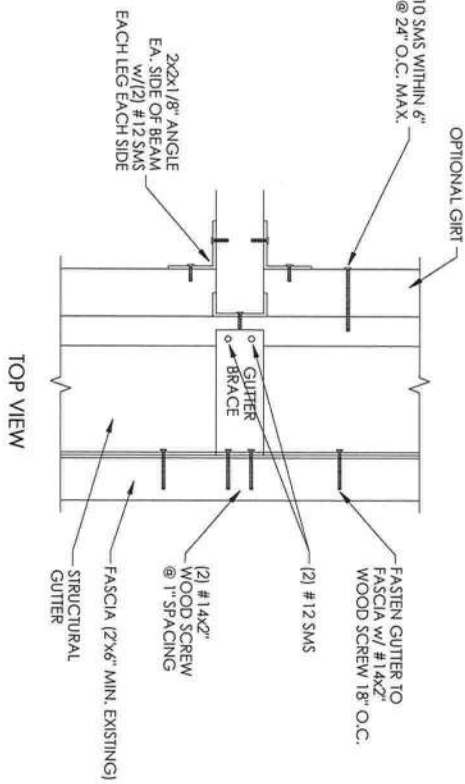
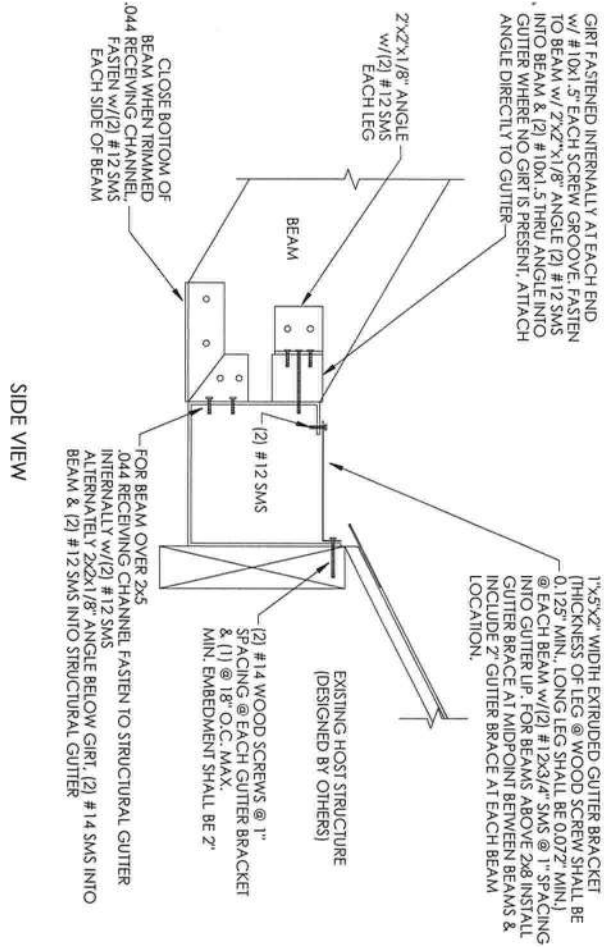
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DETAIL "H" BEAM TO GUTTER
CONNECTION
SCALE: NTS

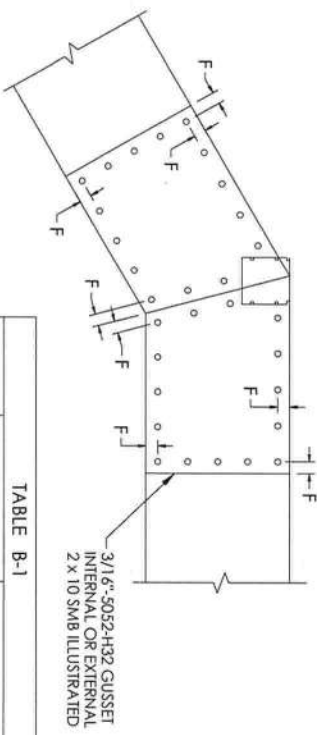
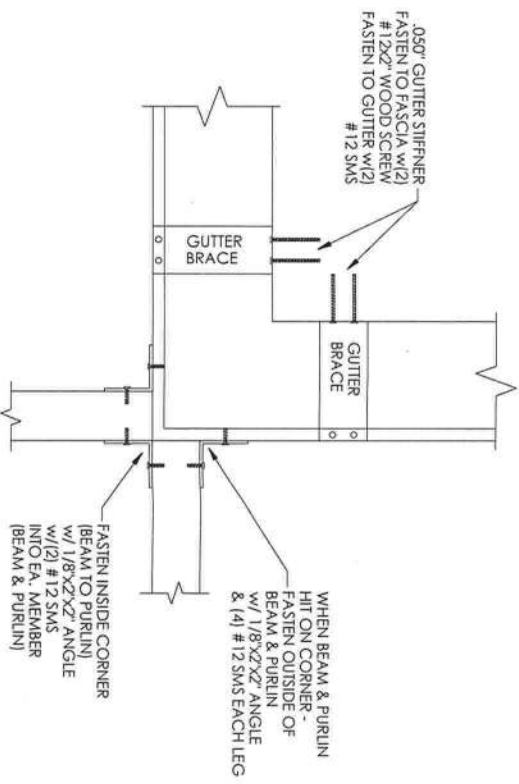


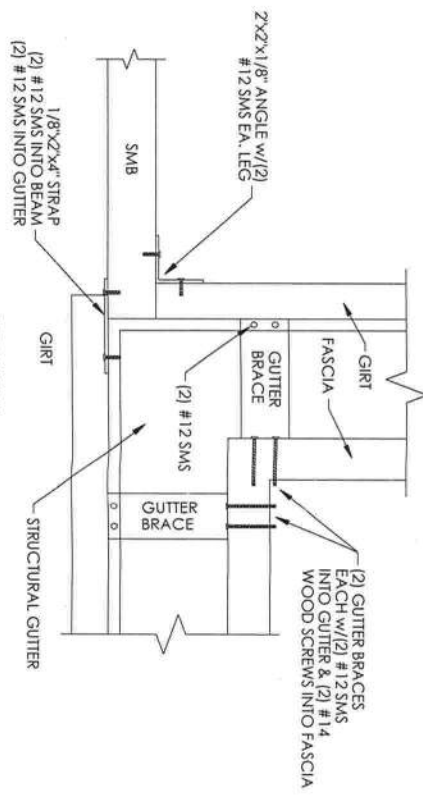
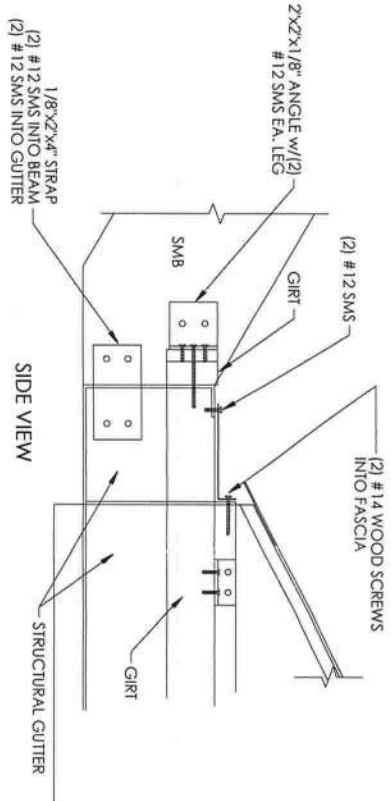
TABLE B-1			
BEAM SITE	COL. TO BEAM QTY SMS/ SIDE OF COL.	BEAM TO BEAM QTY SMS/ EA. FACE/SIDE	
2 x 4	(5) #12	(9) #12	
2 x 5	(5) #12	(9) #12	
2 x 6	(7) #12	(9) #12	
2 x 7	(10) #12	(10) #12	
2 x 8	(12) #12	(14) #12	
2 x 9	(14) #14	(14) #14	
2 x 10	(16) #14	(15) #14	

NOTE: F
INSTALL FASTENERS ALONG PERIMETER OF GUSSET
-BEAM JOINT 3/8" MIN. FROM EDGE. FASTENERS
MAY BE STAGGERED TO INSURE PROPER
QUANTITY PER TABLE B-1
FASTENER PATTERN MAY APPEAR DIFFERENT
FROM ILLUSTRATION.
MAINTAIN 1/2" SEPARATION BETWEEN FASTENERS.
MAINTAIN 3/8" MIN. FASTENER SEPARATION FROM
BEAM JOINT OR EDGE OF BEAM LAP
FASTENERS MAY BE EVENLY SPACED AROUND
EDGE OF GUSSET WITHIN 3/8" OF BEAM JOINT.
FASTENERS MAY BE STAGGERED TO INSURE
PROPER QUANTITY PER TABLE B-1

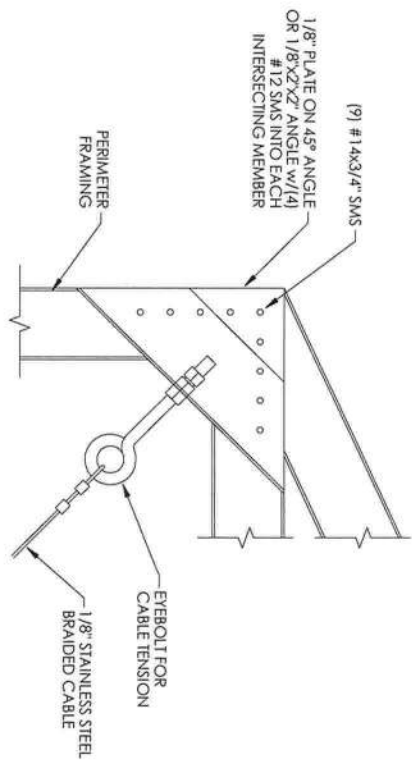
DETAIL "K" GUSSET CONNECTION
SCALE: NTS



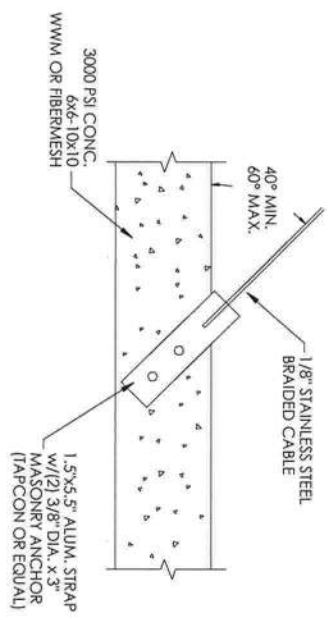
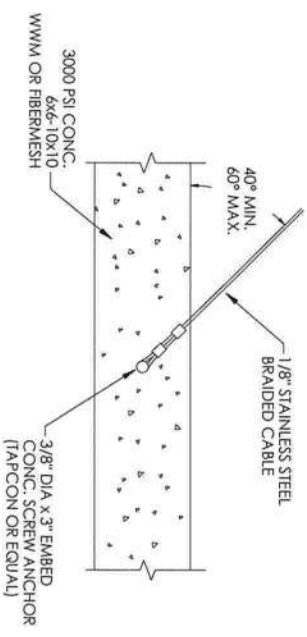
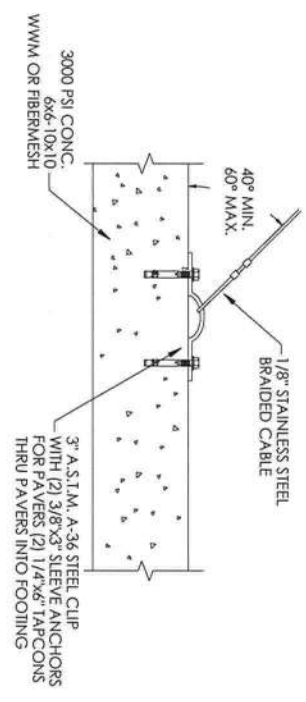
DETAIL "W" BEAM & PURLIN TO GUTTER
CONNECTION
SCALE: NTS



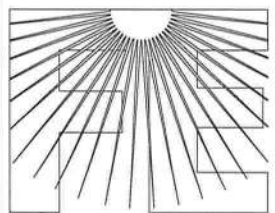
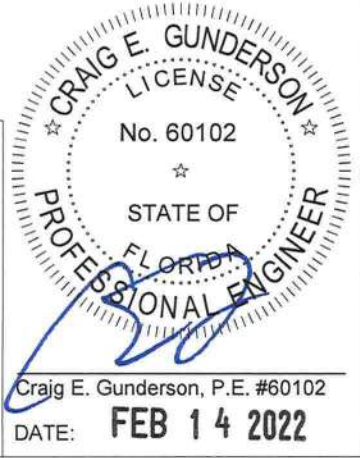
DETAIL "L" CORNER CONNECTION
SCALE: NTS



DETAIL "1-2" CABLE CONNECTION
AT CORNER
SCALE: NTS



DETAIL "1-1" CABLE CONNECTION
AT FOUNDATION
SCALE: NTS

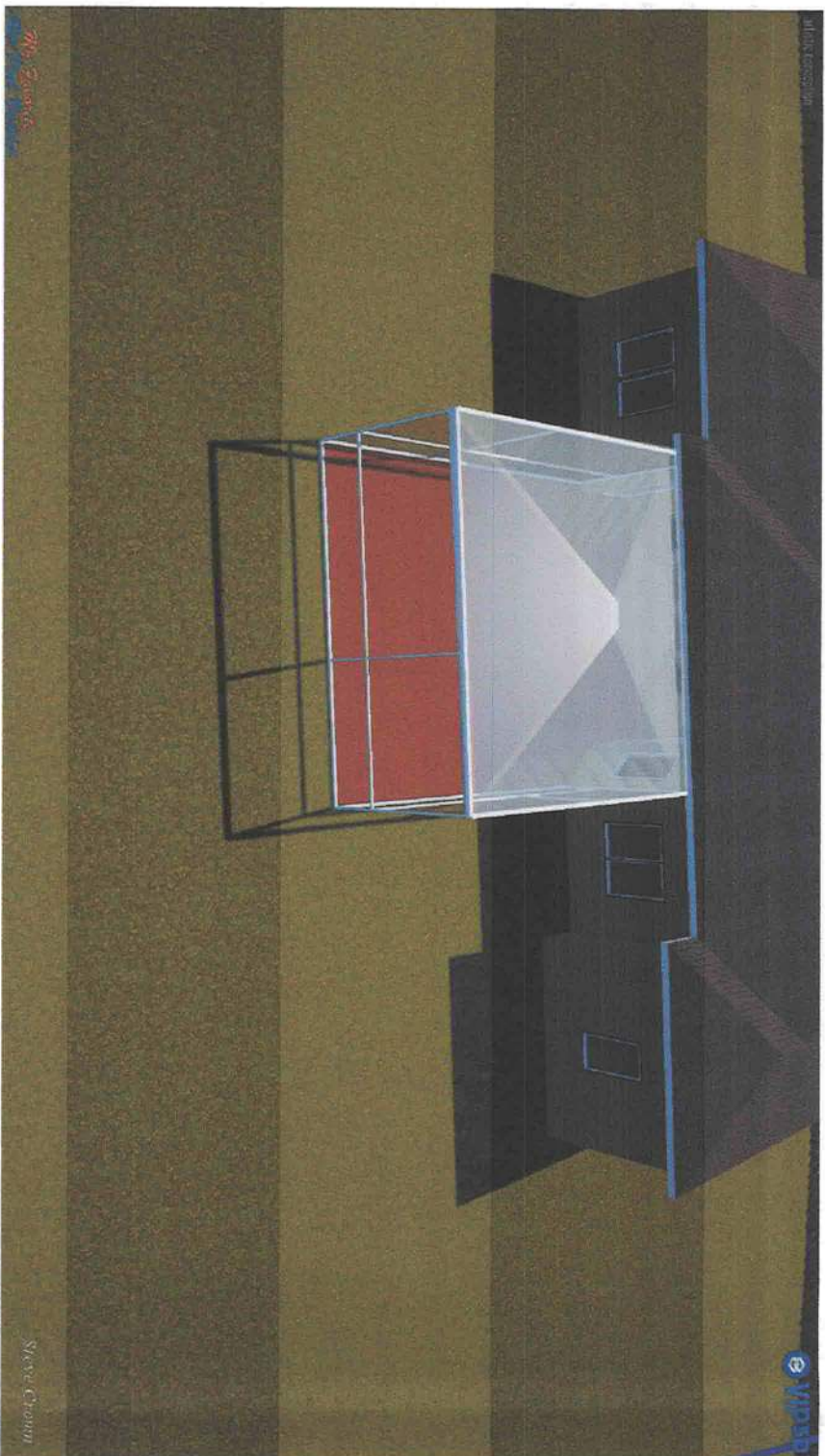


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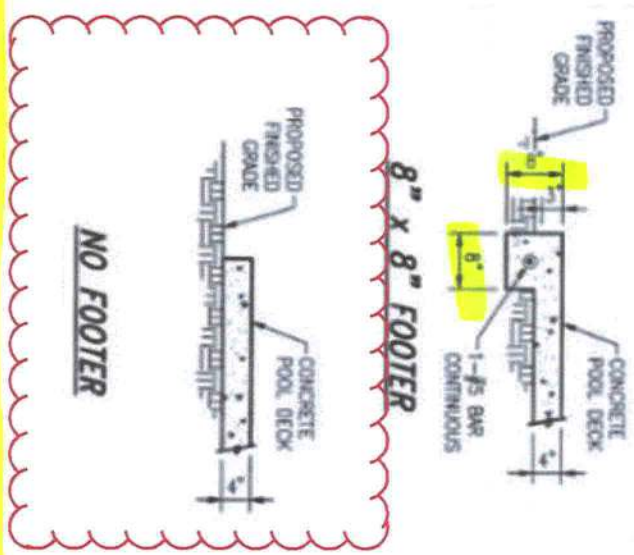
PROJECT NO. 2203976

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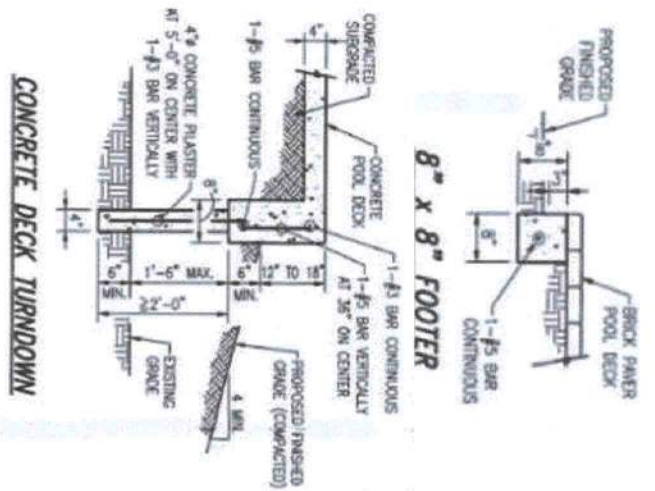
CONTRACTOR: MY FAVORITE POOL BUILDER		PROJECT ADDRESS: ANGLE 258 SW MORNING GLORY DR LAKE CITY, FL 32024	
DESIGN DATE: 02/09/2022	DATE	REVISION 1: DATE	SHEET: 04
REVISION 2: DATE	DATE	DRAWN BY: TCP	
SCALE: NTS			



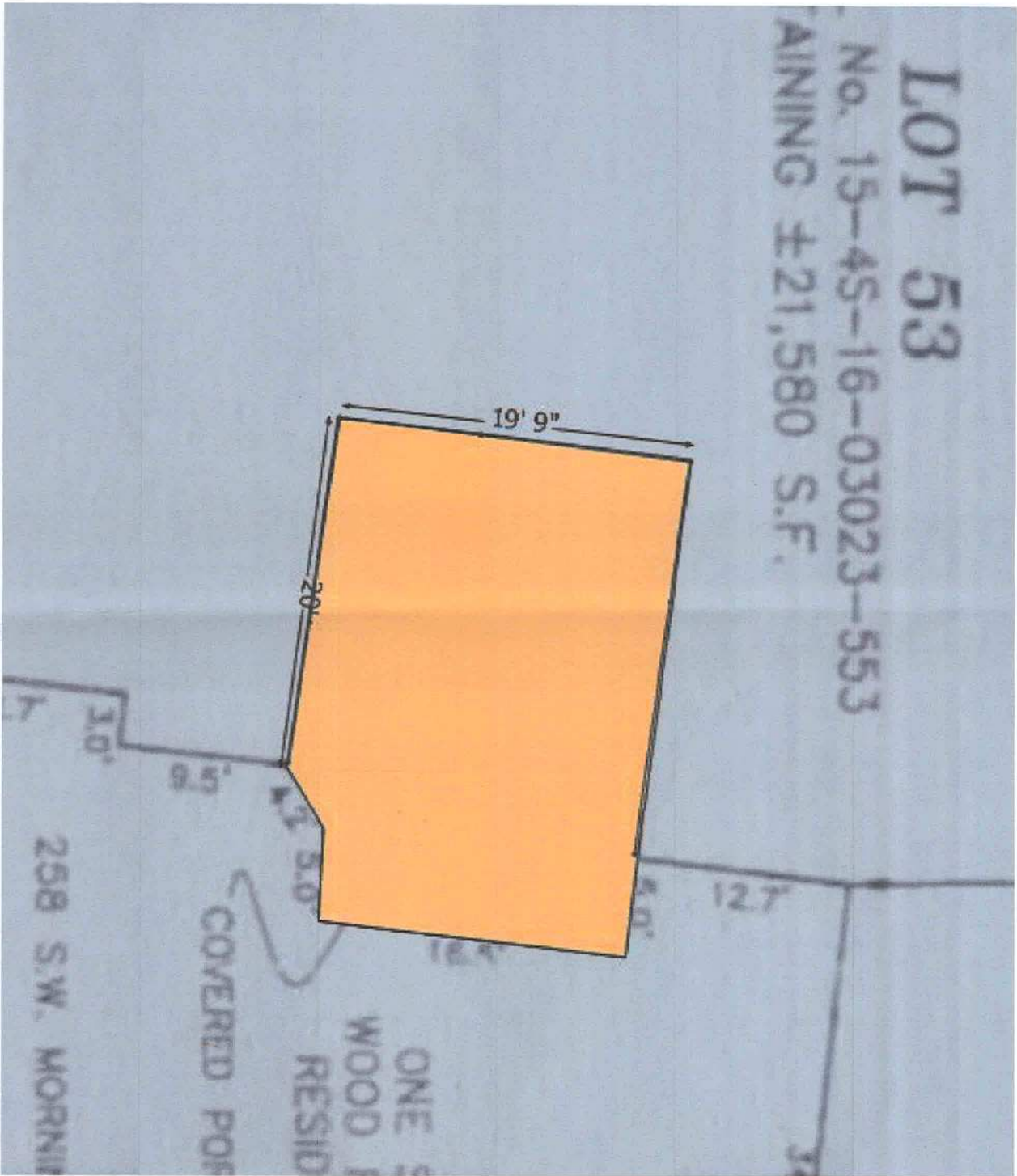
Installing Screen Room on Existing Deck



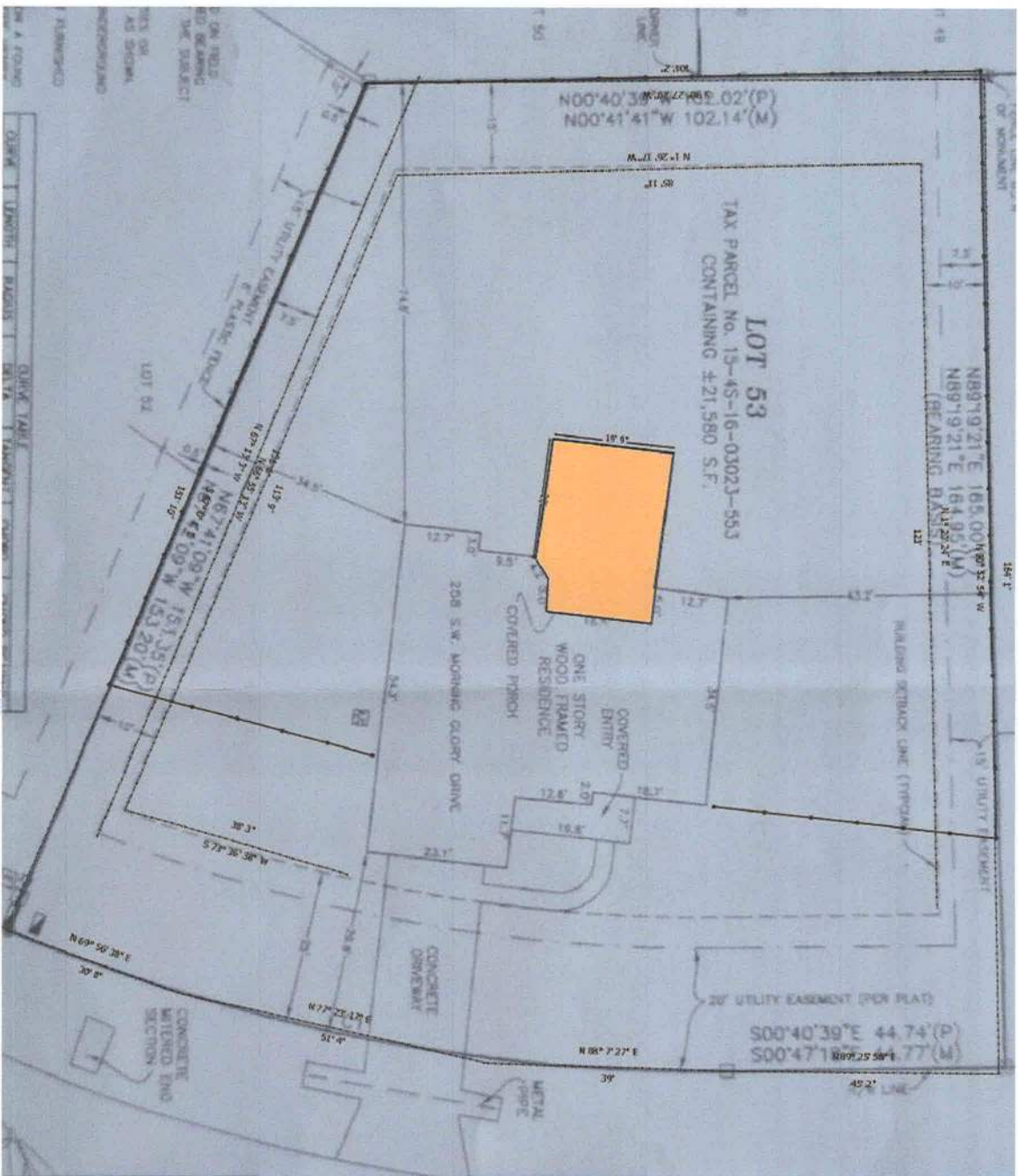
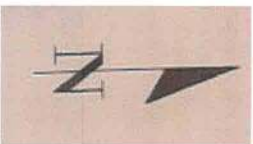
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PLAN EXPIRES 1 YEAR FROM THE SIGNATURE DATE OR THE EFFECTIVE DATE OF A MAJOR FLORIDA BUILDING CODE CHANGE WHICHEVER IS SOONER		S P Cronin Enterprises, Inc. 1956 SW Main Blvd. Lake City, FL 32025 (386) 269-3304 OF (386) 965-0066 Cell CGC046367	
3/24/2022		Screen Room Specification For: Rob Angle 258 SW Morning Glory Dr Lake City, FL 32024 (704) 928-5916	
Scale: None		Rev Page 6	



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		Scale: None Rev Page 7	



22/5/22

PLAN EXPIRES 1 YEAR FROM THE
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BUILDING CODE CHANGE
WHICHEVER IS SOONER

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