

APPLICABLE CODES AND STANDARDS

- 1. 2023 FLORIDA BUILDING CODE (8TH EDITION)
- 2. 2021 INTERNATIONAL BUILDING CODE
- 3. ASCE 7-22: MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES
- 4. AISC STEEL CONSTRUCTION MANUAL (15TH EDITION)
- 5. ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- 6. TMS 402-16: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
- 7. AWS D1.1: STRUCTURAL WELDING

INSTALLATION NOTES AND SPECIFICATIONS

- 1. END WALL COLUMNS (POST) AND SIDE WALL COLUMNS ARE EQUIVALENT IN SIZE AND SPACING UNLESS SPECIFICATIONS APPLICABLE TO 28 GA METAL PANELS FASTENED DIRECTLY TO 2.5"x2.5"x14 GA TUBE OR 28 GA METAL PANELS FASTENED TO 28 GA METAL PANELS. 28 GA METAL PANELS SHALL BE FASTENED DIRECTLY TO 18 GA HAT CHANNELS UNLESS NOTED OTHERWISE.
- 2. AVERAGE RAFTER SPACING CONCERNING RAFTERS OR PURLINS AND POSTS, INTERIOR = 8' AND END = MAX.
- 3. FASTENERS: CONSIST OF 1/2" DIA. SELF-DRILLING SCREWS, USE CONTROL SEAL WASHERS WITH EXTERIOR FINISH. SPECIFICATIONS APPLY TO ALL ROOF AND LEAN-TO ROOF HEIGHTS OF 50' OR LESS, AND ROOF SLOPES OF 4:1 (3.1:1 PITCH) OR LESS. SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.
- 4. ANCHORS SHALL BE INSTALLED THROUGH THE BASE RAIL WITHIN 6" OF EACH RAFTER COLUMN ALONG WITH STANDARD GROUND ANCHORS (SOIL NAILS) CONSIST OF #4 REBARS WITH WELDED NUT X 30" LONG AND MAY BE USED IN SUITABLE SOILS. OPTIONAL ANCHORAGE MAY BE USED IN SUITABLE SOILS AND MUST BE USED IN UNSUITABLE SOILS AS NOTED. SOIL WALLS MAY BE USED FOR WIND SPEEDS LESS THAN OR EQUAL TO 110 MPH.
- 5. RAFTER SPACING IS 5:4" FOR WIND SPEEDS BETWEEN 110 MPH AND 140 MPH AND 4:3" FOR WIND SPEEDS BETWEEN 140 MPH AND 180 MPH.

DESIGN LOADS

- 1. DEAD LOAD = 10 PSF
- 2. LIVE LOAD = 20 PSF
- 3. WIND LOAD (SEE TABLE 1)
- 4. RISK CATEGORY = II
- 5. WIND EXPOSURE = C
- 6. ULTIMATE WIND SPEED = 130 MPH
- 7. NOMINAL WIND SPEED = 101 MPH

R-3 OCCUPANCY

TABLE 1

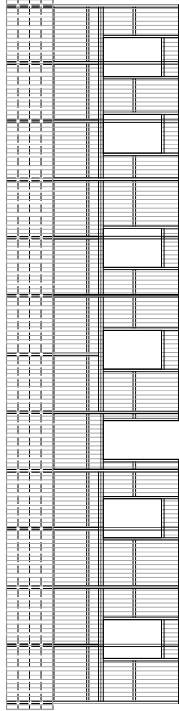
MEMBER	PRODUCT	MAX WIND DESIGN PRESSURES
ROOF PANELS	FL39466	+41.6 PSF / -31.2 PSF
WALL PANELS	FL39594	+55.4 PSF / -41.6 PSF
GARAGE DOOR	CTP	CTP
WALK-IN DOOR	CTP	CTP

CTP = CONTRACTOR TO PROVIDE 2023 FBC APPROVED PRODUCTS THAT MEET OR EXCEED DESIGN PRESSURES AS TABULATED.

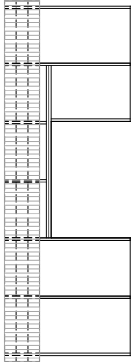
DRAWING INDEX

PAGE NO.	DESCRIPTION
S-1	NOTES AND SPECIFICATIONS (1 OF 2)
S-1.1	NOTES AND SPECIFICATIONS (2 OF 2)
S-2	BOX EAVE FRAME RAFTER ENCLOSED BUILDING (1 OF 2)
S-2.1	BOX EAVE FRAME RAFTER ENCLOSED BUILDING (2 OF 2)
S-3	FOUNDATION PLAN AND DETAILS
S-4	CONNECTION DETAILS (1 OF 2)
S-5	CONNECTION DETAILS (2 OF 2)
S-6	BOX EAVE FRAME RAFTER LEAN-TO DETAILS

ENCLOSED METAL BUILDING DESIGN
30'-0" WIDE x 60'-0" LONG x 11'-0" HIGH (EAVE)
W/ 10'-0" WIDE x 30'-0" LONG x 8'-0" HIGH (EAVE) LEAN-TO
AND 10'-0" WIDE x 60'-0" LONG x 8'-0" HIGH (EAVE) LEANT-TO



FRONT ELEVATION

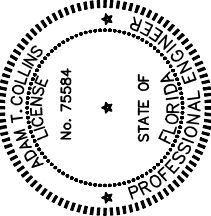


FRONT LEAN-TO ELEVATION

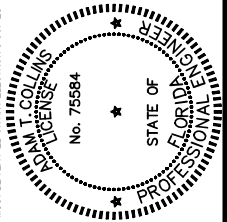
COMPONENTS AND CLADDING DESIGN PRESSURES MEAN ROOF HT 15 FT, EXPOSURE C (PSF)															
Zone	120		130		140		150		160		170		180		
	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	
1	8.7	-18.5	10.3	-21.8	11.9	-25.3	13.7	-29.0	15.6	-33.0	17.5	-37.3	19.7	-41.7	
2	8.7	-25.0	10.3	-29.4	11.9	-34.1	13.7	-39.2	15.6	-44.5	17.5	-50.3	19.7	-56.4	
3	9.9	-40.2	11.6	-47.2	13.4	-54.7	15.4	-62.8	17.5	-71.5	19.8	-80.7	22.1	-90.4	
4	16.0	-17.5	18.8	-20.7	21.8	-24.0	25.0	-27.5	28.4	-31.2	32.1	-35.3	35.9	-39.6	
5	16.8	-21.3	19.7	-24.9	22.9	-28.9	26.3	-33.2	29.9	-37.8	33.8	-42.6	37.9	-47.8	
OV2	24.7	-42.6	29.0	-50.1	33.6	-58.1	38.7	-66.7	44.0	-75.7	49.6	-85.7	55.7	-96.0	
OV3	26.7	-61.5	31.3	-72.1	36.3	-83.6	41.6	-96.0	47.4	-109.3	53.6	-123.3	60.0	-138.2	

Digitally signed by Adam Collins
DN: c=US, sn=Collins,
givenName=Adam,
email=adam@collinseng.com,
cn=Adam Collins
Date: 2024.07.09 13:52:36 -04'00'

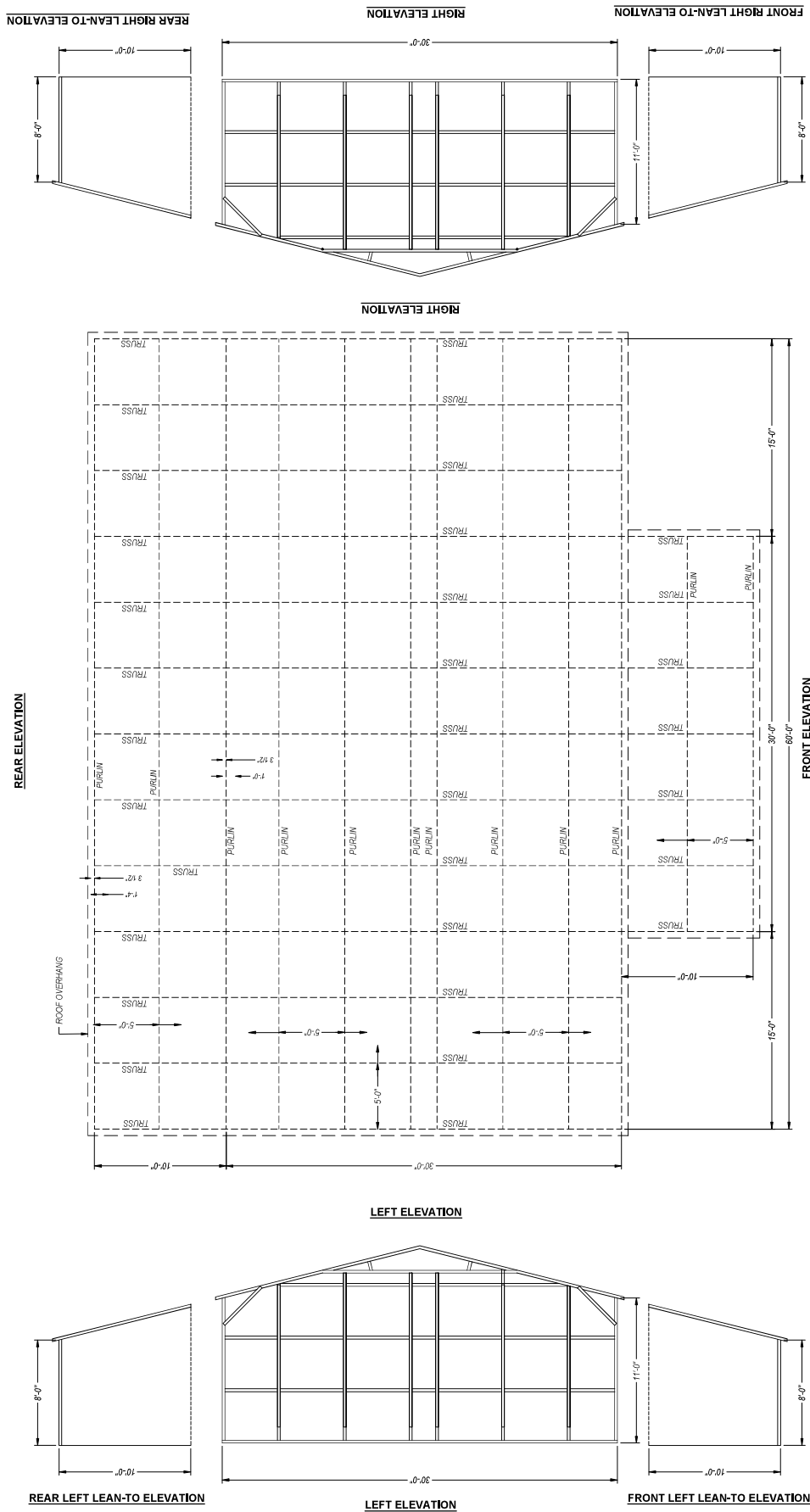
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NO.	REVISIONS	DATE	DATE	2024-07-26	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
								KEVIN MCCOY	NOTES AND SPECIFICATIONS	MCCOY RESIDENCE	S-1
								LOT 10 IOWA DRIVE			SCALE
								FORT WHITE, FL 32038			AS SHOWN
								ADAM COLLINS ENGINEERING INC.			
								CAD 31728 - P. 386.3207420 - WWW.COLLINSENG.COM			



NO.	REVISIONS	DATE	DATE	2024-07-09	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
			DRAWN	RBS			 ADAM COLLINS ENGINEERING INC. C# 31728 - P 386-3207400 - WWW.COLLINESENG.COM	KEVIN MCCOY	BOX EAVE FRAME	MCCOY RESIDENCE	S-2
			DESIGNED	SM				LOT 10 IOWA DRIVE	RAFTER ENCLOSED		
			CHECKED	ATC				FORT WHITE, FL 32038	BUILDING (1 OF 2)		
			JOB NO.	22047							



1.125" 18 GA FURRING CHANNEL
FASTENED TO EACH RAFTER
WITH (2) #12-14 x 3/4" SDS
SPACED AT 48" O.C. MAX

S HEADER

5"

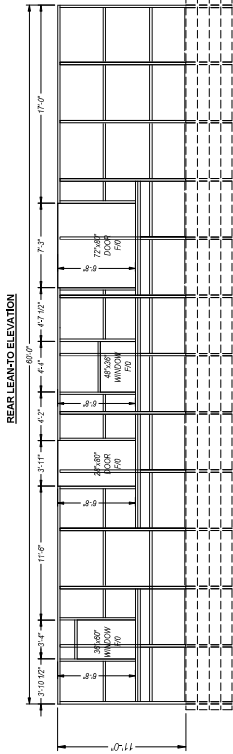
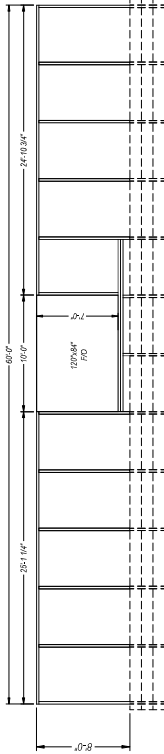
3-12

3-12

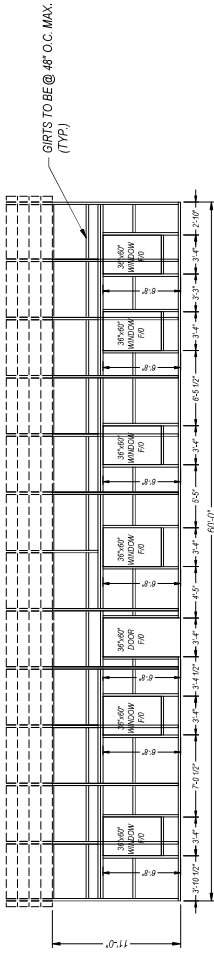
8'-0" < LENGTH <= 12'-0"

HEADER DETAIL FOR OPENINGS

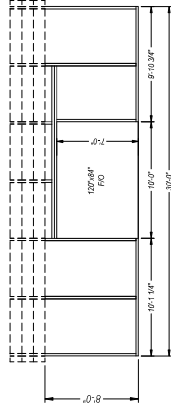
PANEL ATTACHMENT
(ALTERNATE FOR VERTICAL ROOF PANELS)
SCALE: NTS



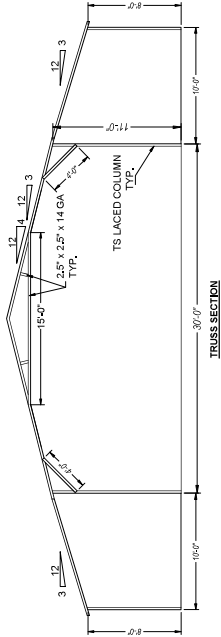
REAR ELEVATION



FRONT ELEVATION



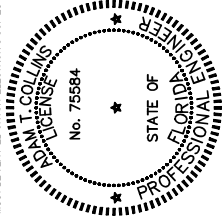
FRONT LEANTO ELEVATION



TRUSS SECTION

GIRTS TO BE @ 48" O.C. MAX.
(TYP.)

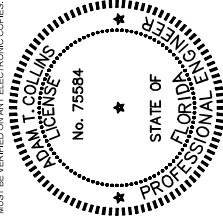
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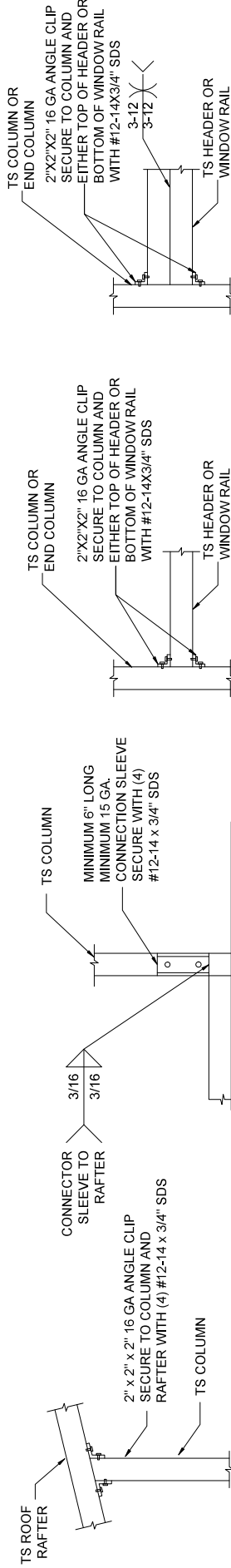


NO.	REVISIONS	DATE	DATE	2024-07-25	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
						KEVIN MCCOY	BOX EAVE FRAME		S2.1
						LOT 10 IOWA DRIVE	RAFTER ENCLOSED	MCCOY RESIDENCE	SCALE
						FORT WHITE, FL 32038	BUILDING (2 OF 2)	AS SHOWN	

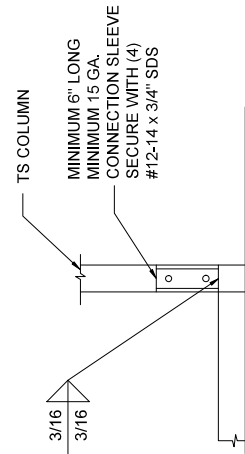
1. MINIMUM SOIL BEARING CAPACITY: 1500 PSF.
2. CONCRETE STRENGTH: 3000 PSI @ 28 DAYS
3. IF THE BUILDING SHALL BE INHABITED, TERMITES SOIL TREATMENT SHALL BE APPLIED PER FBC R318 AND 6 MIL. VISQUEEN VAPOR BARRIER UNDER SLAB ON CLEAN, COMPACTED SOIL.

1. REBAR SHALL BE ASTM A615 GRADE 60
2. SLAB REINFORCEMENT = WELDED WIRE FABRIC PER ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT
3. CONCRETE COVER SHALL BE
 - 3.1. 3" WHERE EXPOSED TO SOIL OR WATER;
 - 3.2. 2" EVERYWHERE ELSE.
4. REBAR SHALL BE BENT WITHOUT HEATING.
5. MINIMUM BEND = 8 X BAR DIAMETER
6. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

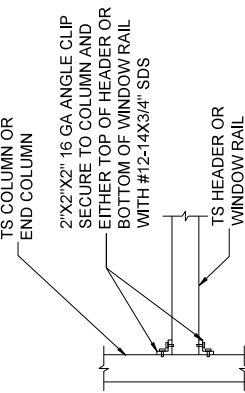
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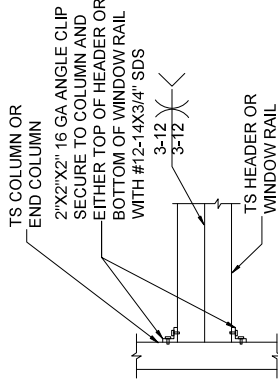
1 POST/RAFTER CONNECTION
SCALE: NTS



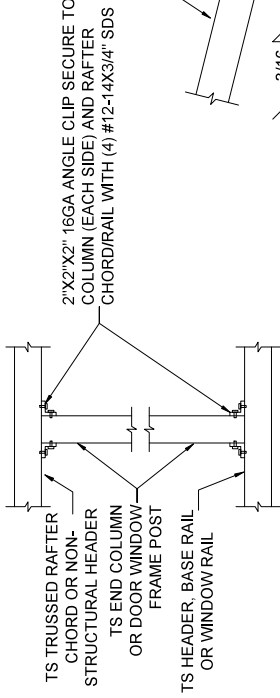
2 POST/BASE RAIL CONNECTION
SCALE: NTS



3 HEADER TO POST CONNECTION
SCALE: NTS

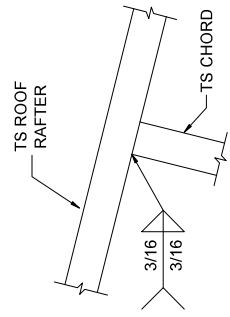


4 DOUBLE HEADER TO POST CONNECTION
SCALE: NTS

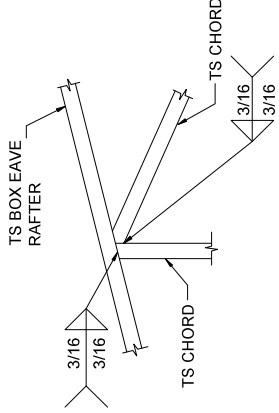


NOTE AT ROLL-UP DOOR OPENINGS, COLUMN SHOULD BE FLUSH WITH RAIL END CLIP SIDE OPPOSITE THE OPENING

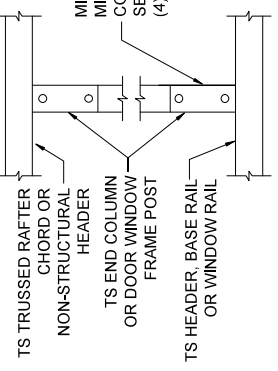
5 POST TO HEADER, BASE RAIL OR WINDOW RAIL CONNECTION
SCALE: NTS



6 RAFTER TO CHORD CONNECTION
SCALE: NTS

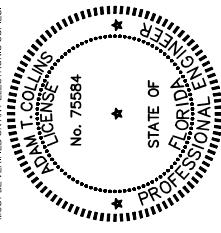


7 TRUSS POST AND CHORD TO RAFTER CONNECTION
SCALE: NTS



8 POST TO HEADER, BASE RAIL OR WINDOW RAIL CONNECTION
SCALE: NTS

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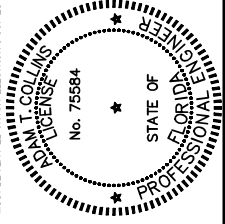


NO.	REVISIONS	DATE	DATE	2024-07-25	SUBMITTALS	DATE	PREPARED BY	CLIENT	SHEET TITLE	PROJECT	SHEET NO.
								KEVIN MCCOY	CONNECTION DETAILS	MCCOY RESIDENCE	S-4
								LOT 10 IOWA DRIVE	(1 OF 2)		SCALE
								FORT WHITE, FL 32038			AS SHOWN
								ADAM COLLINS ENGINEERING INC.			
								CA# 31728 - P. 386.3207.420 - WWW.COLLINSINC.COM			

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			DRAWN				 ADAM COLLINS ENGINEERING INC. C44-1728 - P. 985 520 7200 - WWW.CO1.INSERVIS.COM	KEVIN MCCOY LOT 10 IOWA DRIVE FORT WHITE, FL 32038	CONNECTION DETAILS (2 OF 2)	MCCOY RESIDENCE	S-5
			DESIGNED	SM							SCALE
			CHECKED	ATC							AS SHOWN
			JOB NO.	22047							



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