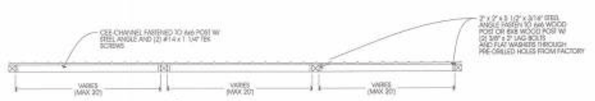
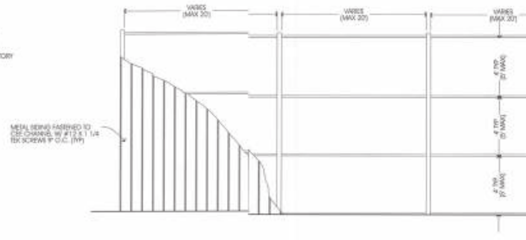


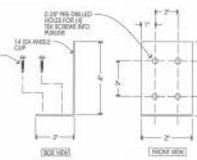
B SECTION VIEW (SUPP-1) SCALE: NTS

CONSTRUCTION NOTES:

1. PURLINS TO STEEL ANGLE CLIPS ALTERNATIVE ATTACHMENT SHALL BE 3/8" X 2" BOLTS, WASHER AND NUT ASSMY. (TYP)



A SECTION VIEW (SUPP-1) SCALE: NTS



I PURLIN CLIP (SUPP-1) SCALE: NTS

GENERAL NOTES

1. ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.
2. MINIMUM SOIL BEARING SHALL BE ASSUMED AT 2,000 P.S.F.
3. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE FLA. BLDG. CODE 2020 7TH EDITION AND ASCE 7-16 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH AND GREATER. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AND INCLUDING 160 MPH ULTIMATE WIND SPEED.
4. ALL SIDING AND ROOFING TO MINIMUM OF 29 GAUGE ATTACHED TO THE COLUMNS AS SHOWN AND CONSIDERED TO BE A MIN. OF 3 SPAN.
5. FOR ZONE LOCATIONS SEE FBC FIGURE 1609(c). THE VALUE OF "a" SHALL BE 3'-0". FOR ZONE LOADING SEE COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.
6. DESIGN LOADINGS:
   DEAD LOAD = 8 PSF
   ROOF LIVE LOAD = 20 PSF
   WIND LOAD = PER TABLE
7. DOOR AND WINDOW DATA: SEE TABLE THIS SHEET.
8. ALL WINDOWS AND MAN DOORS MAY USE 1/4"X1" LONG TEK SCREWS IN LIEU OF THE WOOD SCREWS WHEN CONNECTING THE UNITS TO METAL FRAME. FOLLOW THE MANUFACTURERS SPECIFICATIONS FOR LOCATING CONNECTORS.
9. TYPE OF CONSTRUCTION — TYPE II-B
   BUILDING CATEGORY — III
10. ADDITIONAL BRACES REQUIRED ONLY REQUIRED WITH WIND SPEEDS GREATER THAN OR EQUAL TO 150 MPH OR AS CALLED OUT ON PLANS.
11. ALL WELDS ARE CONTINUOUS WELDS DONE AT THE FACTORY.

COMPONENTS AND CLADDING (exp=C, gcpi=0.00 (Open))

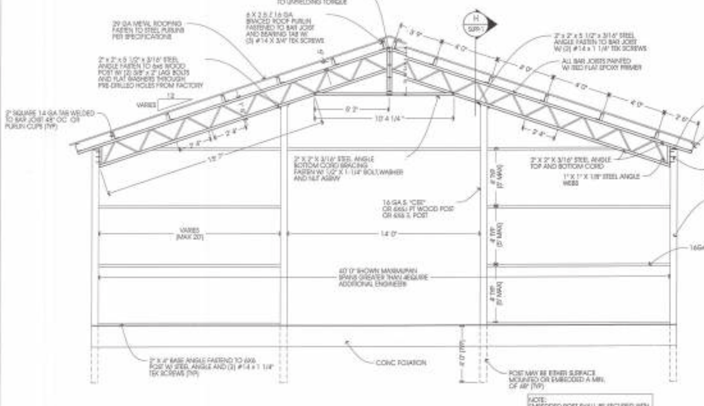
VELOCITY ULTIMATE	PRESSURE (PSF) ZONE ROOF 1	ROOF 2	ROOF 3	WALLS 4/5 AVG NORMAL		WALLS 4/5 AVG PARALLEL	
140 MPH	-17.4	-47.8	-54.3	+18.4	-25.1	+18.4	-25.1
150 MPH	-19.9	-54.9	-62.3	+21.2	-28.9	+21.2	-28.9
160 MPH	-22.7	-63.4	-70.9	+24.1	-32.8	+24.1	-32.8

COMPONENTS AND CLADDING (exp=C, gcpi=+/-0.18 (Enclosed))

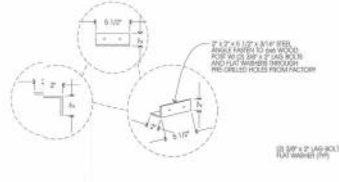
VELOCITY ULTIMATE	PRESSURE (PSF) ZONE ROOF 1	ROOF 2	ROOF 3	WALLS 4/5 AVG NORMAL		WALLS 4/5 AVG PARALLEL	
140 MPH	-21.3	-51.7	-58.2	+22.1	-28.7	+22.1	-28.7
150 MPH	-24.4	-59.3	-66.8	+22.3	-32.9	+22.3	-32.9
160 MPH	-27.8	-67.5	-76.0	+28.9	-37.4	+28.9	-37.4
170 MPH	-30.6	-74.3	-83.6	+31.8	-41.1	+31.8	-41.1

COMPONENTS AND CLADDING (exp=C, gcpi=+/-0.55 (Partially Enclosed))

VELOCITY ULTIMATE	PRESSURE (PSF) ZONE ROOF 1	ROOF 2	ROOF 3	WALLS 4/5 AVG NORMAL		WALLS 4/5 AVG PARALLEL	
140 MPH	-29.3	-59.7	-66.3	+30.2	-36.7	+30.2	-36.7
150 MPH	-33.7	-68.6	-76.1	+34.7	-42.1	+34.7	-42.1
160 MPH	-38.3	-78.0	-86.5	+39.4	-47.9	+39.4	-47.9

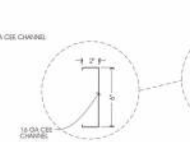


D GABLE END VIEW W/GARAGE OPENING (SUPP-1) SCALE: NTS

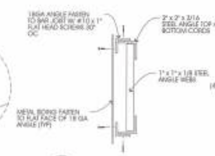


E STEEL ANGLE (SUPP-1) SCALE: NTS

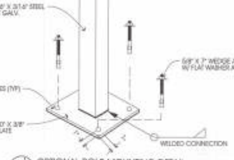
F ANGLE TO WOOD POST (SUPP-1) SCALE: NTS



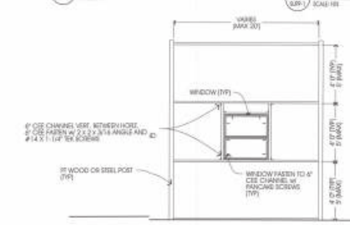
G CEE CHANNEL (SUPP-1) SCALE: NTS



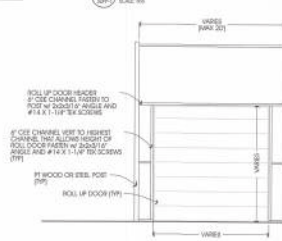
H GABLE END FASTENING DETAIL (SUPP-1) SCALE: NTS



J OPTIONAL POLE MOUNTING DETAIL (SUPP-1) SCALE: NTS



L WINDOW DETAIL (SUPP-1) SCALE: NTS



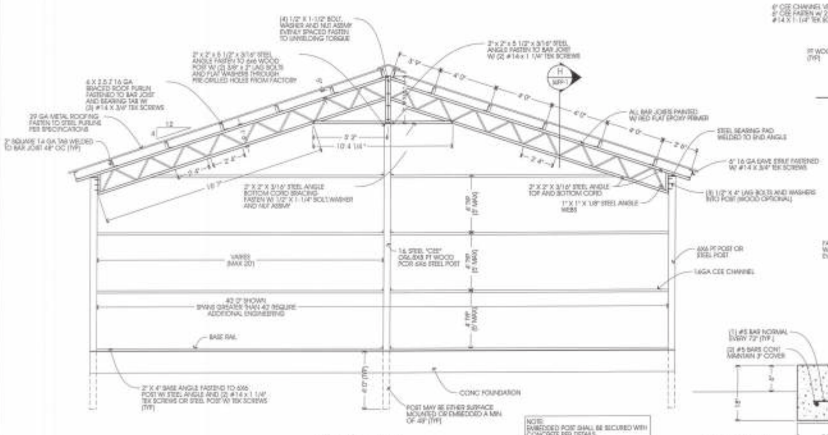
M ROLL DOOR DETAIL (SUPP-1) SCALE: NTS

EAVE WALL ROLL UP DOOR INSTALL NOTES:

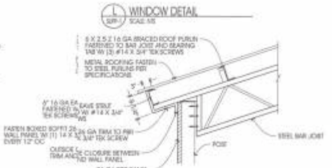
1) ROLL UP DOOR UPRIGHTS ATTACH TO HIGHEST PURLIN THAT ALLOWS DOOR HEIGHT WITH 2X2X3/16 ANGLE BRACKETS AND #14 X 1-1/4" TEK SCREWS.
2) ROLL UP DOOR HEADER (6" CEE PURLIN) ATTACH w/ 2X2X3/16 ANGLE BRACKETS
3) ROLL UP DOOR TRACKS ATTACH TO VERTICAL 6" CEE CHANNEL w/ ROLL UP DOOR SUPPLIED HARDWARE

GABLE END ROLL UP DOOR INSTALL NOTES:

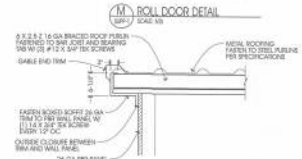
1) SAME AS ABOVE OR PER DETAIL



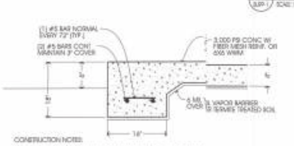
C GABLE END VIEW (SUPP-1) SCALE: NTS



P BOXED SOFFIT DETAIL (EAVE) (SUPP-1) SCALE: NTS



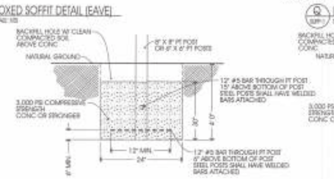
Q BOXED SOFFIT DETAIL (GABLE END) (SUPP-1) SCALE: NTS



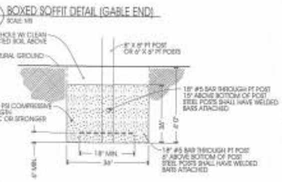
CONSTRUCTION NOTES:

1. ALL CONCRETE USED FOR BEARING SUPPORT OF THE BUILDING SHALL BE SIZED FOR THE PREVAILING PLANS. ALL OTHERS AREAS MAY BE 4" IN THICKNESS.

K OPTIONAL CONCRETE FOUNDATION (SUPP-1) SCALE: NTS



N ALL POLE MOUNTING DETAIL (S-1) SCALE: NTS (FOR UP TO 30' WIDE)



O ALL POLE MOUNTING DETAIL (S-1) SCALE: NTS (FOR GREATER THAN 30' WIDE)

REED'S METALS

SCOPE:

THIS SUPPLEMENTAL SHEET IS TO ENCLOSE STEEL BAR JOIST STRUCTURE (SHEET SUPP-1).

DESIGN STATEMENT:

THESE PLANS WERE DESIGNED FOLLOWING THE 2020 7TH EDITION FLORIDA BUILDING CODE AND ASCE 7-16,INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. THIS STRUCTURE HAS BEEN DESIGNED WITH AN MINIMUM ULTIMATE WIND SPEED OF 140 MPH, (3 SECOND GUST) IN WIND EXPOSURE CATEGORY "C". THIS STRUCTURE HAS BEEN DESIGNED AS RISK CATEGORY I. THE COMPONENTS AND CLADDING WERE DESIGNED BASED THE INCLUDED TABLE DESIGN PRESSURES.

OVERALL REVISION DATE
FEBRUARY 24, 2021

ENGINEERING • PLANNING • PERMITTING

REVISIONS:

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

EPI
ENGINEERED PERMITS, INC.
211 SOUTH WOODLAND BLVD.
SUITE A
DELAND, FL 32720
PHONE: 386-734-0020
FAX: 386-734-6035
CERT NO. 30098
EMAIL: epi@epieng.net

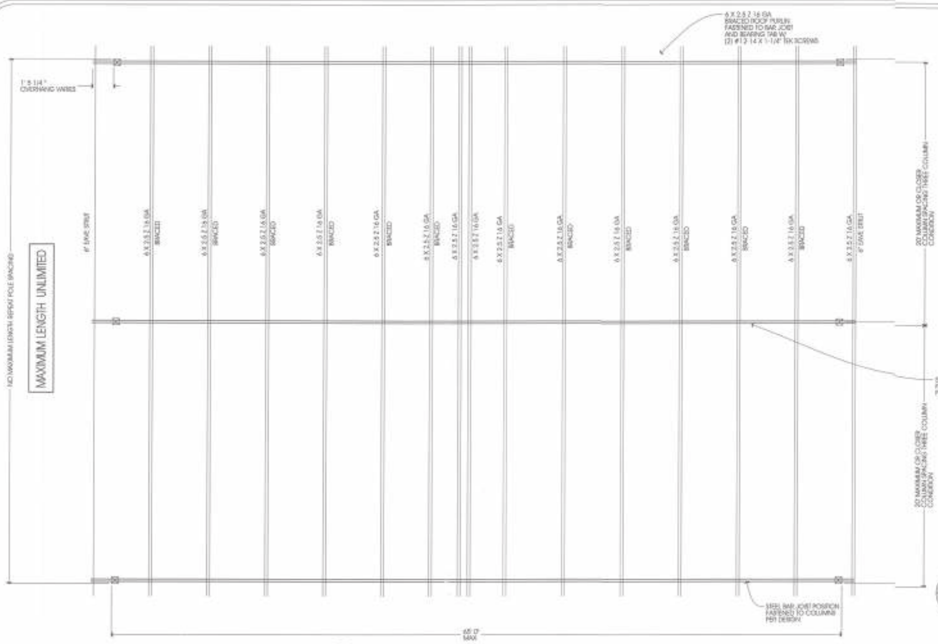
PROJECT: REED'S METALS

SHEET TITLE: POLE BARN ENCLOSURE OPTION

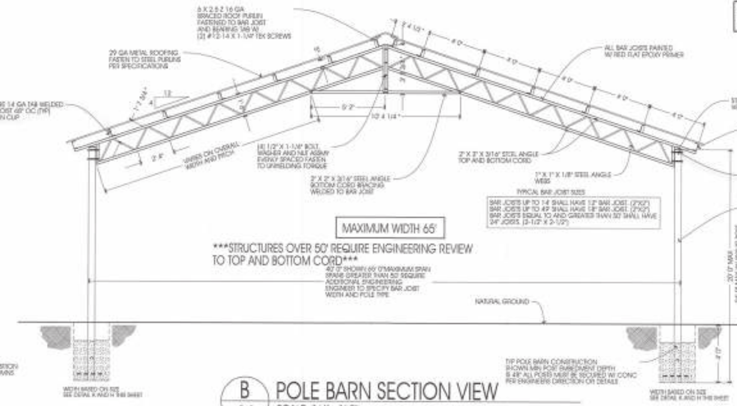
MICHAEL WOJTUNIAK, P.E.
P.E. NO. 60834

MICHAEL J. WOJTUNIAK LICENSE No 60834 STATE OF FLORIDA PROFESSIONAL ENGINEER 3/15/21

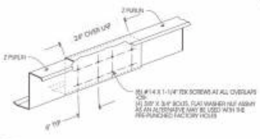
SHEET NO.
SUPP-1
DATE: 2-24-2021



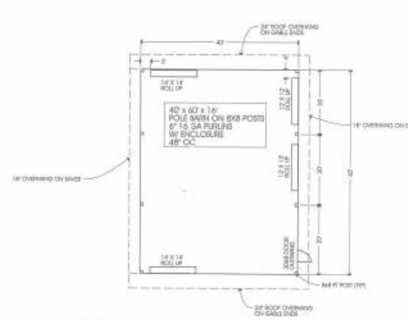
A POLE BARN PLAN VIEW
S-1 SCALE 1/4"=1'-0"



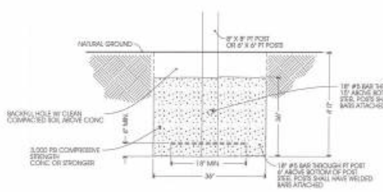
B POLE BARN SECTION VIEW
S-1 SCALE: 1/4"=1'-0"



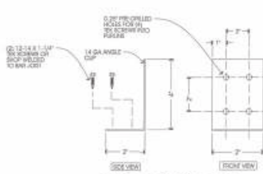
D Z PURLIN SPLICE JOINT
S-1 SCALE: NTS



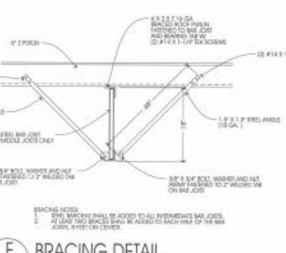
D SITE SPECIFIC LAYOUT
S-1 SCALE: NTS



K ALL POLE MOUNTING DETAIL
S-1 SCALE: NTS



I PURLIN CLIP
S-1 SCALE: NTS



F BRACING DETAIL
S-1 SCALE: NTS

GENERAL NOTES

1. ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.
2. MINIMUM SOIL BEARING SHALL BE ASSUMED AT 2,000 P.S.F.
3. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE FLA. BLDG. CODE 2020 7TH EDITION AND ASCE 7-16 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH AND GREATER. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AND INCLUDING 160 MPH ULTIMATE WIND SPEED.
4. ALL SIDING AND ROOFING TO MINIMUM OF 29 GAUGE ATTACHED TO THE COLUMNS AS SHOWN AND CONSIDERED TO BE A MIN. OF 3 SPAN.
5. FOR ZONE LOCATIONS SEE FBC FIGURE 1609(c). THE VALUE OF "a" SHALL BE 3'-0". FOR ZONE LOADING SEE COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.
6. DESIGN LOADINGS:
   DEAD LOAD = 8 PSF
   ROOF LIVE LOAD = 20 PSF
   WIND LOAD = PER TABLE
7. DOOR AND WINDOW DATA: SEE TABLE THIS SHEET.
8. ALL WINDOWS AND MAN DOORS MAY USE 1/4"X1" LONG TEK SCREWS IN LIEU OF THE WOOD SCREWS WHEN CONNECTING THE UNITS TO METAL FRAME. FOLLOW THE MANUFACTURERS SPECIFICATIONS FOR LOCATING CONNECTORS.
9. TYPE OF CONSTRUCTION TYPE II-B
   BUILDING CATEGORY II
10. ADDITIONAL BRACES REQUIRED ONLY REQUIRED WITH WIND SPEEDS GREATER THAN OR EQUAL TO 150 MPH OR AS CALLED OUT ON PLANS.
11. ALL WELDS ARE CONTINUOUS WELDS DONE AT THE FACTORY.

Customer:
Greg & Denise Cilverhouse
138 Mossy Oak Way
Lake City, FL 32024

Michael J Wojtuniak :A01410D00000178 2715BDEC00003CCE

NOTE TO INSTALLER

1. INSTALLER SHALL ADD LATERAL BRACING DURING THE ERECTION PROCESS TO PREVENT BAR JOIST MOVEMENT.

COMPONENTS AND CLADDING							
VELOCITY ULTIMATE	PRESSURE (PSF) ZONE						
	ROOF			WALLS			
	1	2	3	4/5 AVG NORMAL		4/5 AVG PARALLEL	
140 MPH	-17.4	-47.8	-64.3	+18.4	-20.1	+18.4	-25.1

DESIGN STATEMENT:

THESE PLANS WERE DESIGNED FOLLOWING THE 2020 7TH EDITION FLORIDA BUILDING CODE AND ASCE 7-16 INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. THIS STRUCTURE HAS BEEN DESIGNED WITH AN MINIMUM ULTIMATE WIND SPEED OF 140 MPH, (3 SECOND GUST) IN WIND EXPOSURE CATEGORY "C". THIS STRUCTURE HAS BEEN DESIGNED AS RISK CATEGORY I. THE COMPONENTS AND CLADDING WERE DESIGNED BASED THE INCLUDED TABLE DESIGN PRESSURES.

OVERALL REVISION DATE JUNE 9, 2021

ENGINEERING • PLANNING • PERMITTING

REVISIONS:

EPI

PROJECT: REED'S METALS

SHEET TITLE: STEEL BAR JOIST OPEN STORAGE BUILDING

MICHAEL WOJTUNIAK, P.E.

SHEET NO. S-1

DATE: 1-21-2021

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