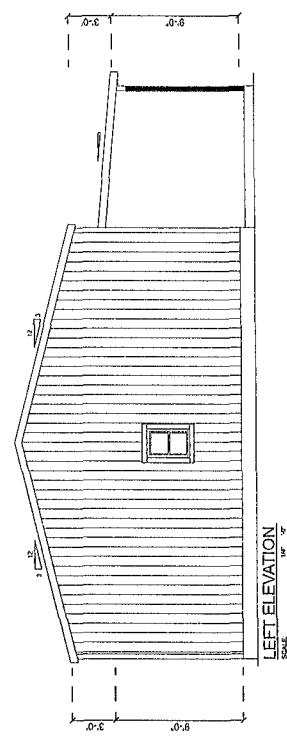
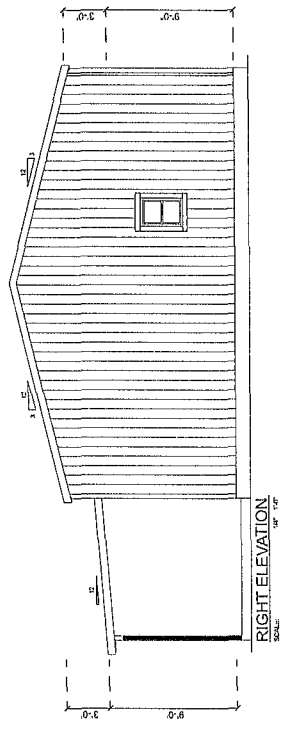
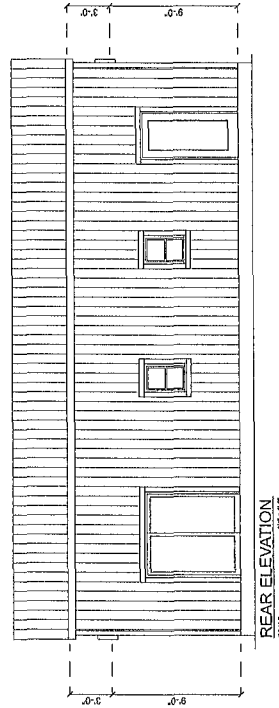
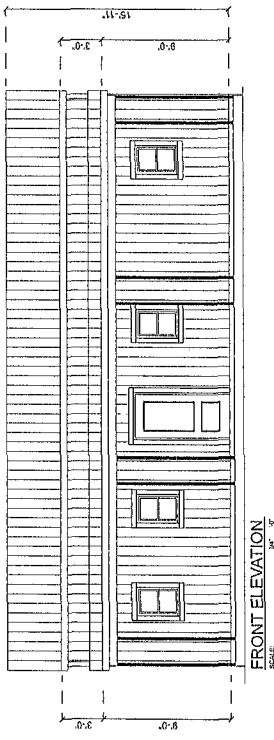


REVISIONS	PROPOSAL
May 14th, 2025	May 27th, 2025
REVISIONS SCHEDULE	

PHILIPOT RESIDENCE
 BARBODINUM FOR.
 COLUMBIA COUNTY, FL

RIDGEPOINT DESIGN
 386-288-1188
 2545 W. JEFFERSON BLVD. STE 101 LAKE CITY, FL 32817
 RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER
A.1
 OF 7 SHEETS

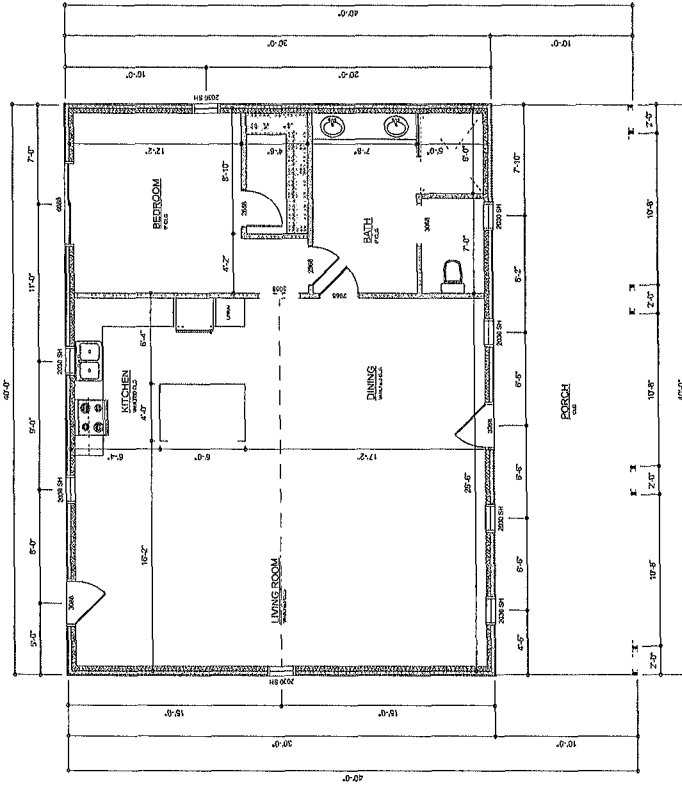


REVISIONS SCHEDULE	
PROPOSAL	MAY 14TH, 2026
REVISIONS	MAY 27TH, 2026

A BANDONNINA FOR:
PHILPOT RESIDENCE
 COLUMBIA COUNTY, FL

RIDGEPOINT DESIGN
 386-288-1188
 345 WASHINGTON AVE STE 104, LAKE CITY, FL 32025
 RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER
A.2
 OF 7 SHEETS



DIMENSIONED FLOOR PLAN
 SCALE: 1/8" = 1'-0"

AREA SUMMARY

LIVING AREA	1,200	S.F.
FRONT PORCH	400	S.F.
TOTAL AREA	1,600	S.F.

ENCLOSED METAL BUILDING DESIGN
MAXIMUM 30'-0" WIDE X 100'-0" LONG X 20'-0" HIGH (EAVE)
BOX EAVE FRAME / BOW EAVE FRAME

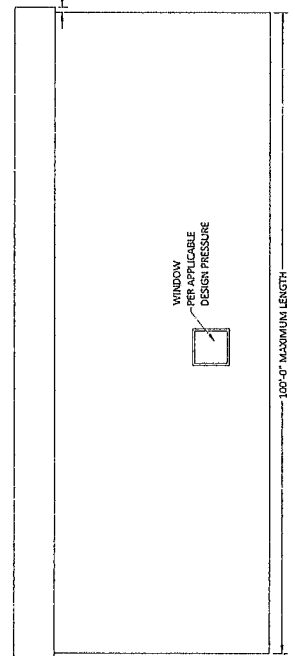
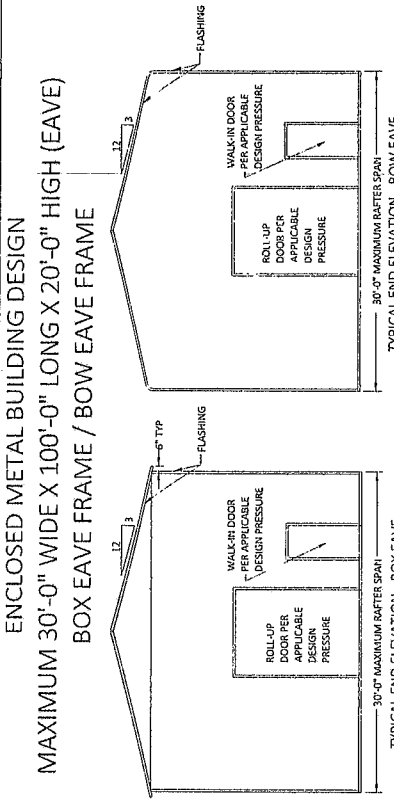
- APPLICABLE CODES**
- 2023 FLORIDA BUILDING CODE, BUILDING
 - 2023 FLORIDA BUILDING CODE, RESIDENTIAL
- APPLICABLE STANDARDS**
- MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES
 - MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES
 - STEEL CONSTRUCTION MANUAL (8TH EDITION)
 - 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - 402-16 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
 - AWSD 11 STRUCTURAL WELDING

- DESIGN LOADS**
- DEAD LOAD = 1.5 PSF
 - ROOF LIVE LOAD = 12 PSF
 - WIND SNOW LOAD = 4 PSF
 - WIND CATEGORY = II
 - RISK CATEGORY = II
 - WIND EXPOSURE CATEGORY = C
 - ULTIMATE WIND SPEED = 120 MPH
 - NOMINAL WIND SPEED = 94 MPH
 - THE PROPOSED STRUCTURE SHALL BE CONSTRUCTED BASED ON THE DESIGN FOR A WIND SPEED OF 170 MPH, PER THE CONTRACTOR'S REQUEST

- INSTALLATION NOTES AND SPECIFICATIONS**
- THESE PLANS BELONG EXCLUSIVELY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (WAFRS), COMPONENTS AND CLADDING (C&C), AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PROPERTY SET-BACKS, ELECTRICAL, PLUMBING, MECHANICAL, AND OTHER LOCAL ZONING REQUIREMENTS, ARE THE LIABILITY OF OTHERS.
 - THESE STRUCTURES ARE ENGINEERED AS CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND LIVE AND WIND LOADS. UPGRADES NOT SPECIFICALLY ADDRESSED HEREIN, SUCH AS WINDOWS, DOORS, OR ANOTHER COMPONENT NOT LISTED IN THE BUILDING CODE APPROVED PRODUCT LIST AND NOT PROVIDED AND INSTALLED BY THE CONTRACTOR, WHICH CAUSE ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR FAILURE OR STRUCTURAL DAMAGE DUE TO THE EXTRA LOAD.
 - THE STRUCTURE SHALL BE 60 KSI GALVANIZED STEEL WITH MINIMUM YIELD STRENGTH OF 50 KSI. SHEET METAL SHALL BE ZINC COATED METAL DEK.
 - LEND WALL COLUMNS (POST) AND SIDE WALL COLUMNS ARE EQUIVALENT IN SIZE AND SPACING U.N.O.
 - SPECIFICATIONS APPLICABLE TO 29 GA DUTCH LAP METAL PANELS FASTENED DIRECTLY TO 2.5"x2.5"x1/4 GA/2.5"x2.5"x1/2GA TUBE STEEL (TS) FRAMING MEMBERS FOR VERTICAL PANELS. 29 GA METAL PANELS SHALL BE FASTENED DIRECTLY TO 18 GA HAT CHANNELS U.N.O.
 - AVERAGE FASTER SPACING ON CENTERS ALONG RAFTERS OR FURINS, AND POSTS, INTERIOR = 9" AND END = 6" MAX.
 - PANELS CONSIST OF #12-14S/A, SELF-DRILLING SCREWS (SDS) USE APPLICABLE ONLY FOR MAIN ROOF HEIGHT OF 20'-0" OR LESS. WIND ROOF SLOPES OF 14° (3:12 PITCH) OR LESS. SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.
 - ANCHORS SHALL BE INSTALLED THROUGH THE BASE RAIL WITHIN 6" OF EACH RAFTER COLUMN ALONG SIDES AND ENDS.
 - STANDARD GROUND ANCHORS (SOIL NAIL) CONSIST OF #4 REBARS WITH WELDED NUT X 36" 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 NAILS MAY BE USED FOR WIND SPEEDS LESS THAN 140 MPH AND 170 MPH.
 - BASE RAIL SPACING IS 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 140 MPH AND 4'-0" FOR WIND SPEEDS BETWEEN 140 MPH AND 170 MPH.
 - WIND FORCES GOVERN OVER SEISMIC FORCES.
 - CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS.
 - CONTRACTOR TO VERIFY THAT THE FINISHED FLOOR ELEVATION FOR THE PROPOSED STRUCTURE IS AT OR ABOVE THE GREATER OF THE FOLLOWING ELEVATIONS:
 - BASE (FINISHED FLOOR ELEVATION) + 2'-0"
 - THE (DESIGN FLOOD ELEVATION)
 - THE MINIMUM ELEVATION INDICATED BY THE BUILDING CODES ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

DRAINING INDEX

PAGE NO.	TITLE PAGE WITH INDEX
2	TRUSS DESIGN FOR BATTER SPAN
3	CONNECTION DETAILS (1-3)
4	BASE RAIL AND FOUNDATION ANCHORAGE
5	BATTER END WALL, SIDE WALL AND OPENING FRAMING
6	CONNECTION DETAILS (6-7)
7	BOX EAVE BATTER LEARN-TO OPTIONS
8	BOW EAVE BATTER LEARN-TO OPTIONS
9	OPTIONAL METAL ANCHORING ON GRADE DETAIL
10	



TYPICAL SIDE ELEVATION HORIZONTAL ROOF

ADJUSTED C & C WIND PRESSURES (ROOF ASD, PSF)	ADJUSTED C & C WIND PRESSURES (WALL ASD, PSF)
EFFECTIVE WIND AREA (AQ) FT ²	EFFECTIVE WIND AREA (AQ) FT ²
ALL ZONES (POSITIVE)	ALL ZONES (POSITIVE)
ALL ZONES (NEGATIVE)	ALL ZONES (NEGATIVE)
ZONE 1 (NEGATIVE)	ZONE 1 (NEGATIVE)
ZONE 2 (POSITIVE)	ZONE 2 (POSITIVE)
ZONE 3 (NEGATIVE)	ZONE 3 (NEGATIVE)
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ZONE 49 (NEGATIVE)	ZONE 49 (NEGATIVE)
ZONE 50 (POSITIVE)	ZONE 50 (POSITIVE)

THE ENGINEERING ON THESE PLANS IS THE
 SOLE RESPONSIBILITY OF THE CONTRACTOR.
 THE CONTRACTOR TO PROVIDE THE BUILDING CODE APPROVED PRODUCTS.
 TO MEET OR EXCEED THE DESIGN PRESSURES AS TABULATED.

This item has been digitally signed
 and sealed by Richard E Walker
 on the date adjacent to the seal.
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Digitally signed
 by Richard E Walker
 No. 619240
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Date: 2025.05.09
 14:39:24-04'00'

FLORIDA ENGINEERING LLC
 4161 TAMAMI TRAIL, UNIT 101
 PORT CHARLOTTE, FLORIDA 33952
 FLeng.com
 (941) 391-6980
 Orders@FLeng.com
 PROJECT NO. 2512579
 CA CERT #30782

BEST METAL BUILDINGS LLC
 484 NW TURNER AVE
 LAKE CITY FL 32056
 PROJECT ADDRESS:
 PHILPOT
 177 SE PITTMAN CT,
 LAKE CITY, FLORIDA, 32025

CONTRACTOR: BEST METAL BUILDINGS LLC
 PROJECT ADDRESS: PHILPOT, 177 SE PITTMAN CT, LAKE CITY, FLORIDA, 32025
 PROJECT NO.: 2512579
 CA CERT #30782

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 REVISION 2 DATE: _____
 DRAWN BY: JS
 SCALE: 1" = 10'
 SHEET: 1 OF 10

MEMBER LEGEND:

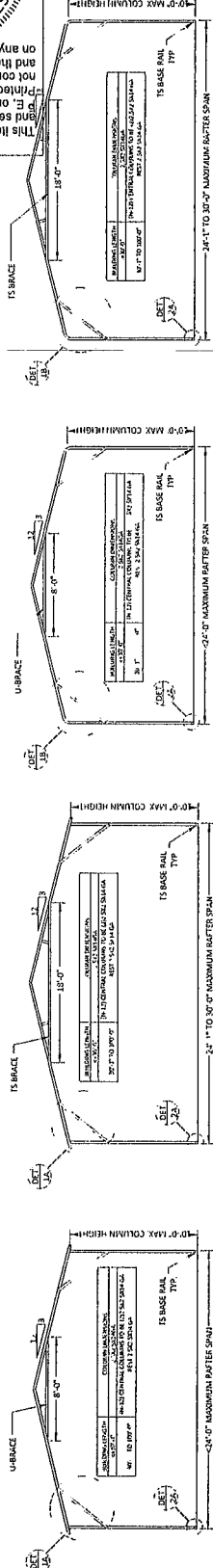
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2. TRUSS MEMBERS = 2.5X2.5X14 GA U.N.O
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4. PURLIN = 1.125"X1.875"X18GA HAT CHANNEL
5. TS BRACE = 2.5"X2.5"X14GA TUBE
6. U-BRACE = 2.5"X2"X18GA CHANNEL
7. END WALL COLUMN = (2)2.5X2.5X14GA U.N.O.

TRUSS LAYOUT BOX EAVE

TRUSS LAYOUT BOW EAVE

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by Richard E
Walker
No. 61240
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
No. 12500
Date: 2025.05.09
14:39:24-0400'



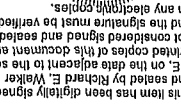
FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
FLeng.com
(941) 391-5980
Orders@FLeng.com
PROJECT NO. 2512579
CA CERT #30782

CONTRACTOR
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY FL 32056
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025
PROJECT ADDRESS

DESIGN DATE:	03/07/2025
REVISION 1	DATE
REVISION 2	DATE
DRAWN BY:	JS
SCALE:	NTS
SHEET:	2
OF 10	

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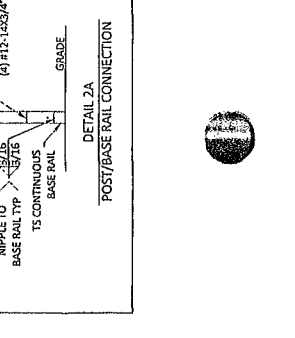
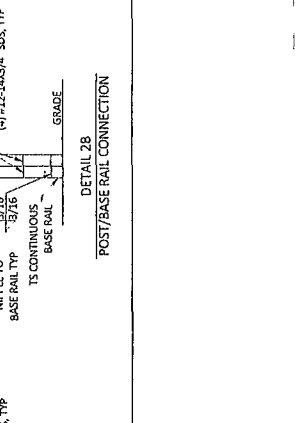
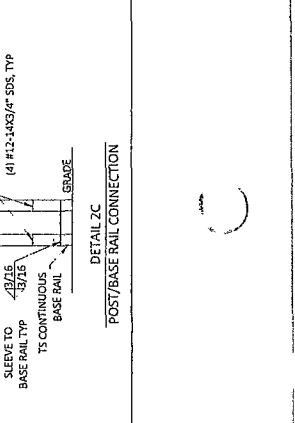
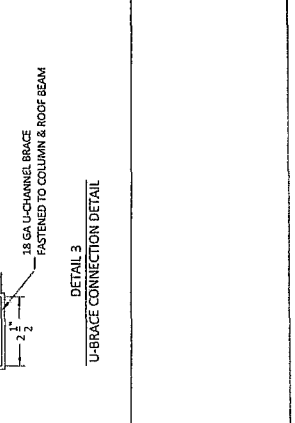
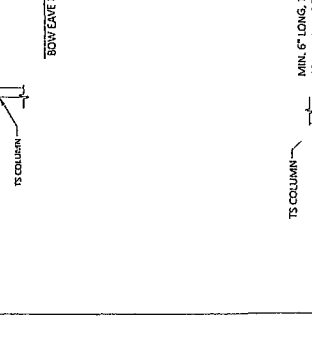
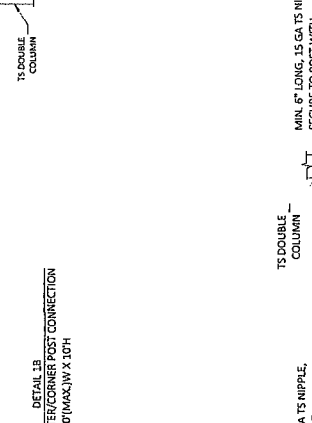
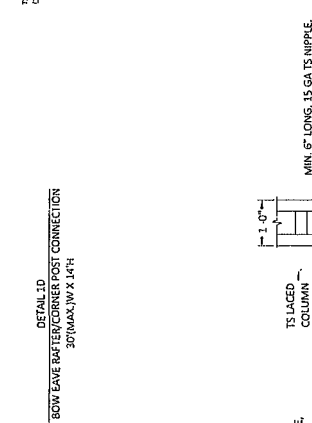
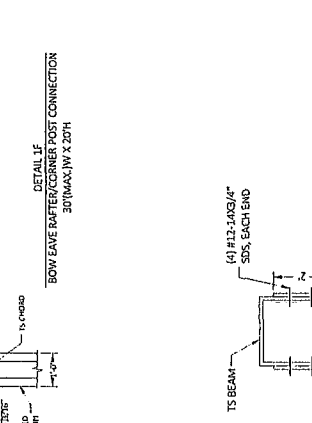
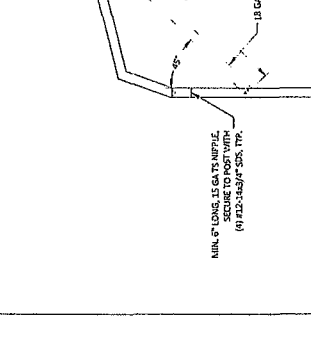
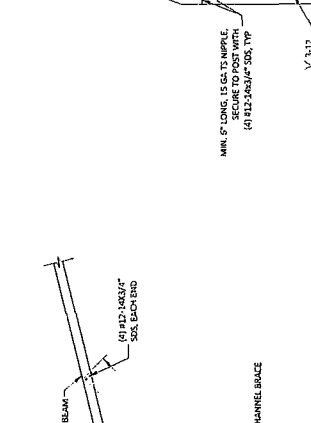
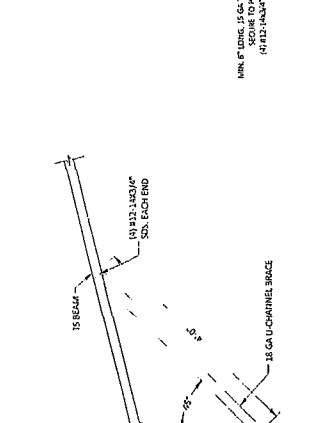
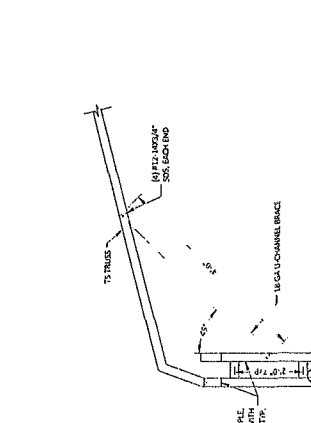
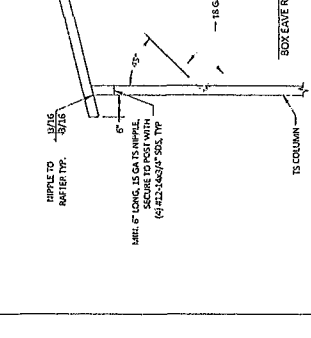
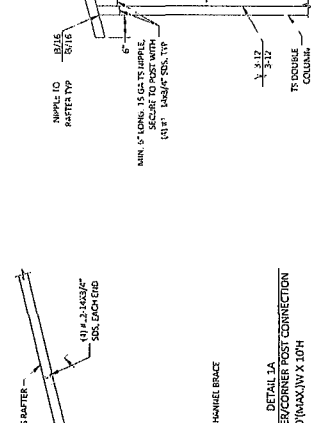
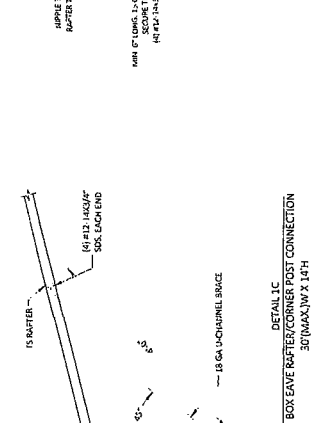
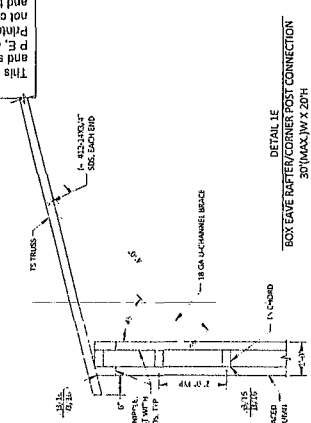
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by Richard E
Walker
Date: 2025.05.09
14:39:24-04'00'



FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33962
(941) 391-5980
FLEng.com
Orders@FLEng.com
PROJECT NO. 2512579
CA CERT #30782

BEST METAL BUILDINGS LLC
CONTRACTOR
484 NW TURNER AVE
LAKE CITY FL 32056
PROJECT ADDRESS
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE:	03/07/2025
REVISION 1:	DATE
REVISION 2:	DATE
DRAWN BY:	JS
SCALE:	3 OF 10



This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed on any electronic copies.



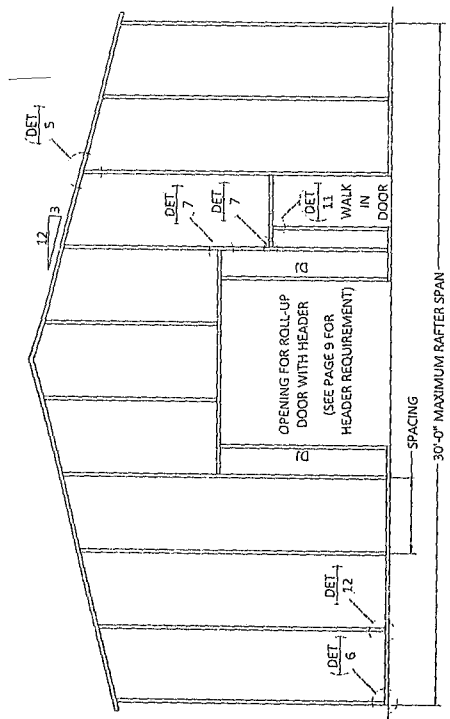
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Date: 2025.05.09 14:39:25-04'00'

FLORIDA ENGINEERING LLC
4161 TAMAMI TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
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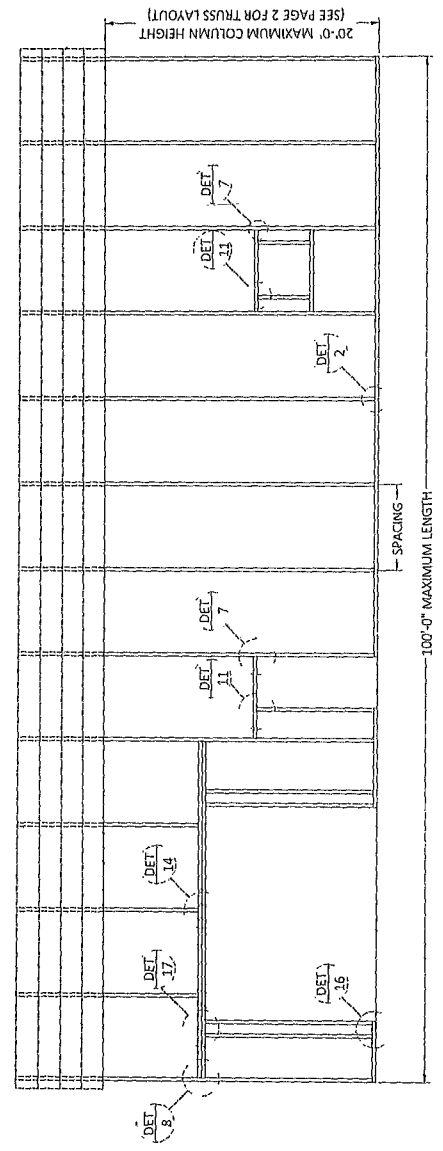
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY, FL 32055
PROJECT ADDRESS
PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE:	03/07/2025	DATE:	
REVISION 1:		DATE:	
REVISION 2:		DATE:	
DRAWN BY:	J5	SHEET:	5
SCALE:	NTS	OF 10	



TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

SPACING = 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 150 MPH
SPACING = 4'-0" FOR WIND SPEEDS BETWEEN 151 MPH AND 170 MPH

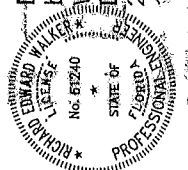


TYPICAL BOX EAVE RAFTER SIDE WALL FRAMING SECTION

SPACING = 5'-0" FOR WIND SPEEDS BETWEEN 110 MPH AND 150 MPH
SPACING = 4'-0" FOR WIND SPEEDS BETWEEN 151 MPH AND 170 MPH

(SEE PG-09 FOR HEADER DETAILS)

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Digitally signed
by Richard E
Walker
Date:
2025.05.09
14:39:26-04100'

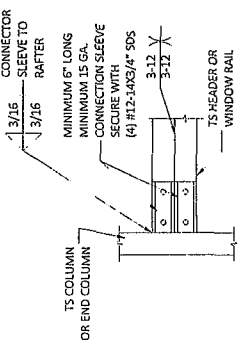
FLORIDA ENGINEERING LLC
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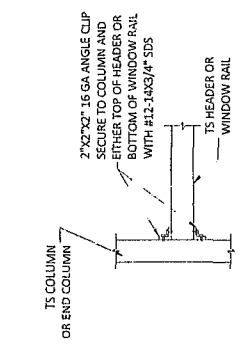
BEST METAL BUILDINGS LLC
484 NW TURNER AVE
LAKE CITY, FL 32065
PROJECT ADDRESS:
PHILPOT
177 SE PITTMAN CT
LAKE CITY, FLORIDA, 32025

DESIGN DATE:	09/07/2025
REVISION 1:	DATE
REVISION 2:	DATE
DRAWN BY:	JS
SCALE:	NTS
SHEET:	9
OF 10	

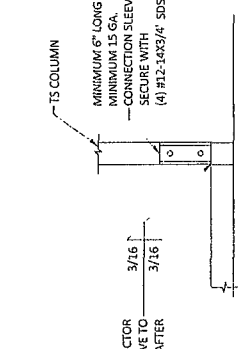
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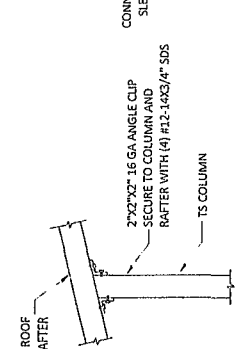
DETAIL 8
DOUBLE HEADER TO COLUMN CONNECTION



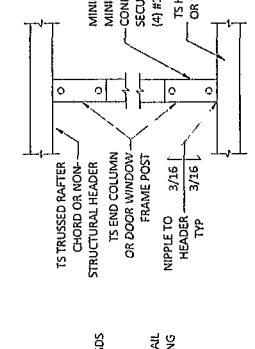
DETAIL 7
HEADER TO COLUMN CONNECTION



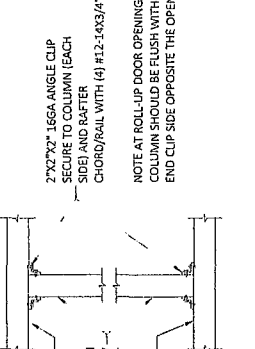
DETAIL 6
END POST/BASE RAIL CONNECTION



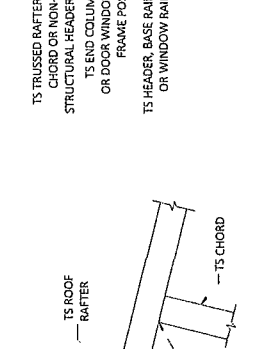
DETAIL 5
END COLUMN/RAFTER CONNECTION



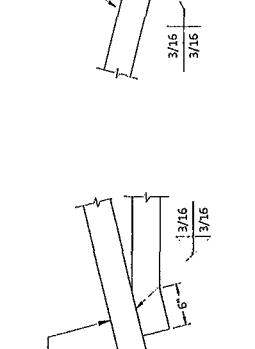
DETAIL 12
POST TO HEADER, BASE RAIL CONNECTION
(OPTION-2)



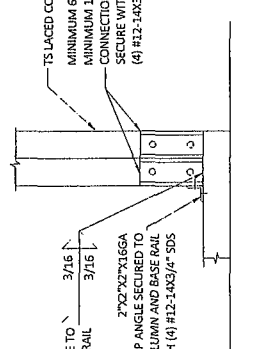
DETAIL 11
POST TO HEADER, BASE RAIL OR WINDOW RAIL CONNECTION
(OPTION-1)



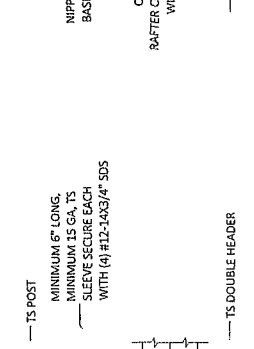
DETAIL 10
RAFTER TO CHORD CONNECTION



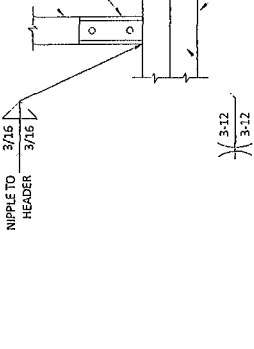
DETAIL 9
COLLAR TIE CONNECTION



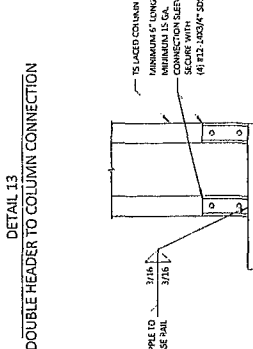
DETAIL 15
POST/BASE RAIL CONNECTION



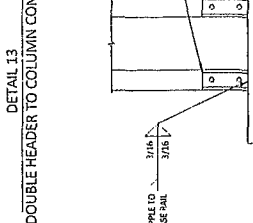
DETAIL 14
POST/DOUBLE HEADER CONNECTION



DETAIL 13
DOUBLE HEADER TO COLUMN CONNECTION



DETAIL 17
POST/BASE RAIL CONNECTION



DETAIL 16
POST/BASE RAIL CONNECTION

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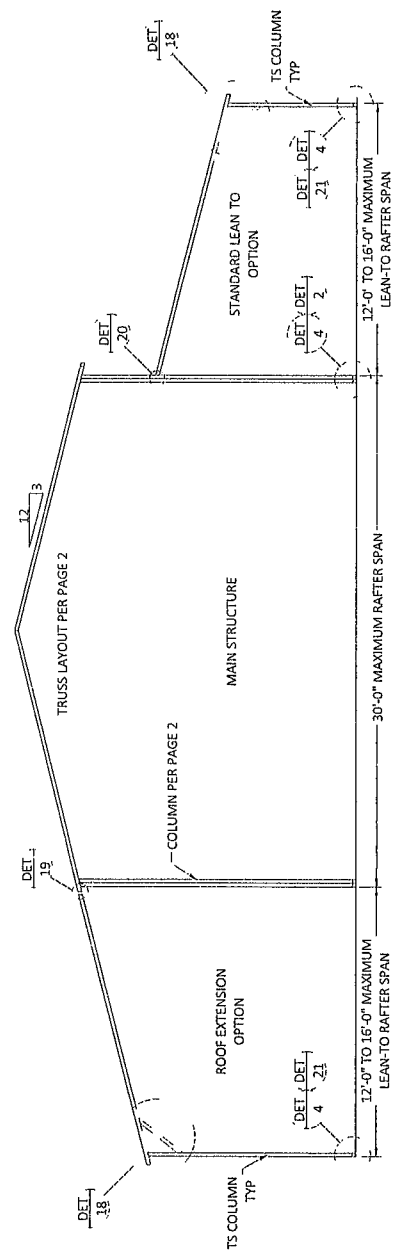
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(941) 391-5980
FLeng.com
Orders@FLeng.com
CA CERT #30782
PROJECT NO 2612579

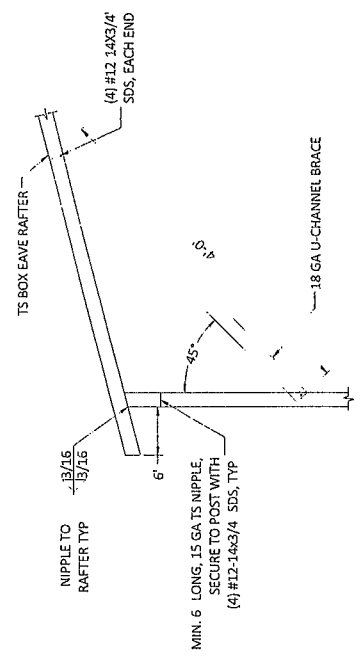


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484 NW TURNER AVE
LAKE CITY FL 32055
PROJECT ADDRESS: PHILPOT
177 SE PITTMAN CT,
LAKE CITY, FLORIDA, 32025

DESIGN DATE:	03/07/2025	DATE	
REVISION 1:		DATE	
REVISION 2:		DATE	
DRAWN BY:	JS	SHEET:	7
SCALE:	NTS		Of 10



TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION

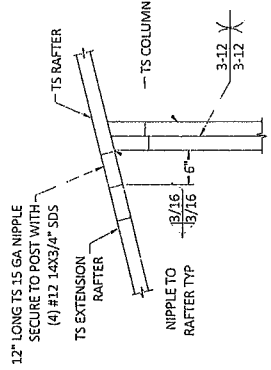


DETAIL 18
LEAN-TO RAFTER/CORNER POST CONNECTION

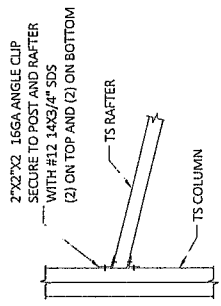
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STATE OF FLORIDA
PROFESSIONAL ENGINEER

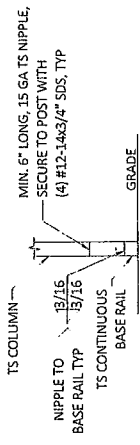
CONNECTION DETAILS



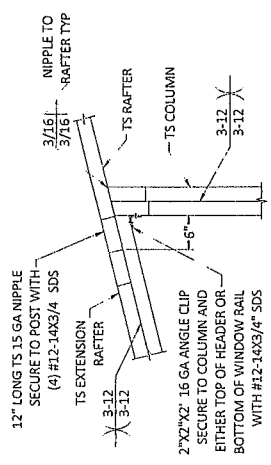
DETAIL 19A
SIDE EXTENSION RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS LESS THAN 12'-0"



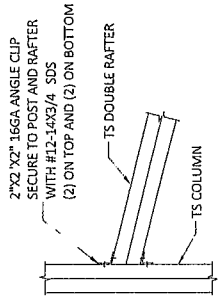
DETAIL 20A
LEAN TO RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS LESS THAN 12'-0"



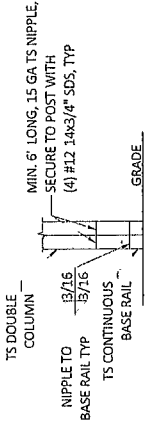
DETAIL 21A
LEAN TO POST CONNECTION



DETAIL 19B
SIDE EXTENSION RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS BETWEEN 12'-0" AND 16'-0"



DETAIL 20B
LEAN TO RAFTER/COLUMN CONNECTION
FOR RAFTER SPANS BETWEEN 12'-0" AND 16'-0"



DETAIL 20B
LEAN TO DOUBLE POST CONNECTION

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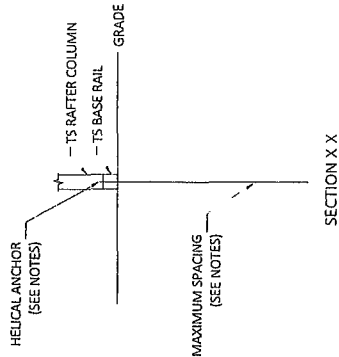
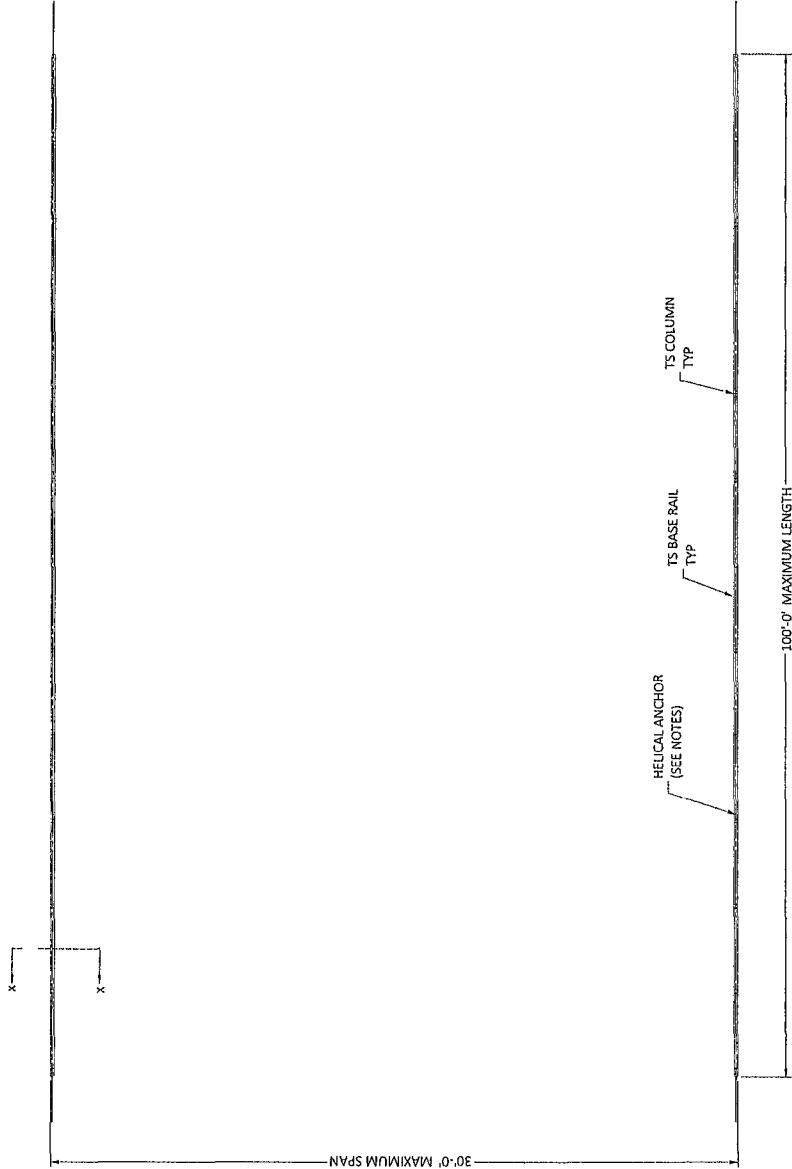


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LAKE CITY, FLORIDA, 32025

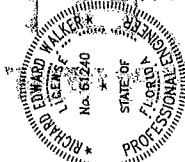
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OF 10	

- HELIX ANCHOR NOTES
1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, CORALS, MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS AND CLAYS, USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT EVERY 10'
 2. FOR MEDIUM TO VERY LOOSE DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, ALLUVAL FILL, USE MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT EVERY 5' OR EVERY POST (LEG)
 3. THE UPLIFT/BEARING CAPACITY OF EACH ANCHOR MUST BE EQUAL TO OR GREATER THAN 8.5 KIPS.

OPTIONAL HELICAL ANCHORING ON GRADE DETAIL



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			10 of 10