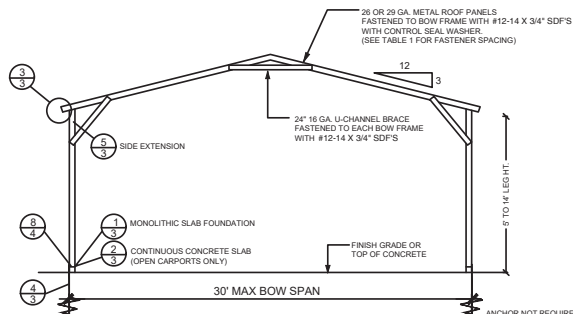
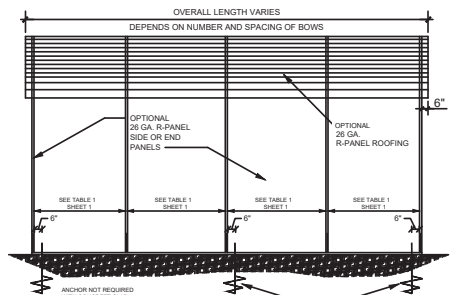
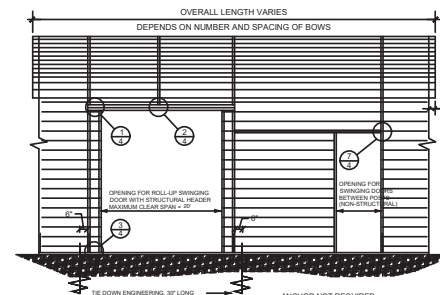




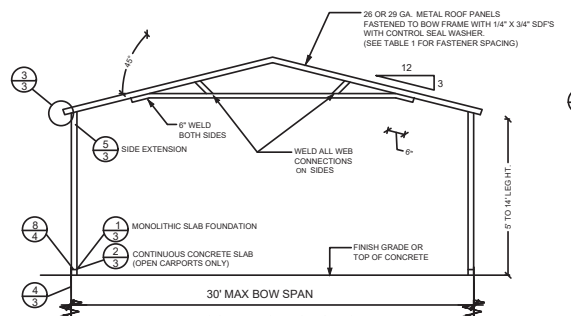
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NOT TO SCALE



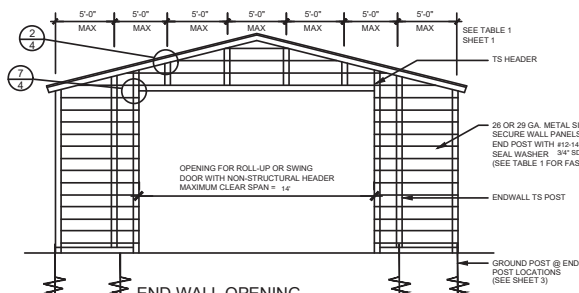
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NOT TO SCALE



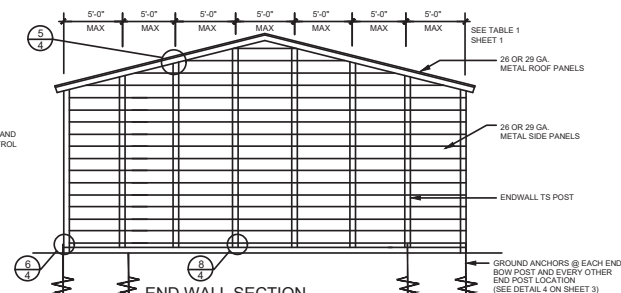
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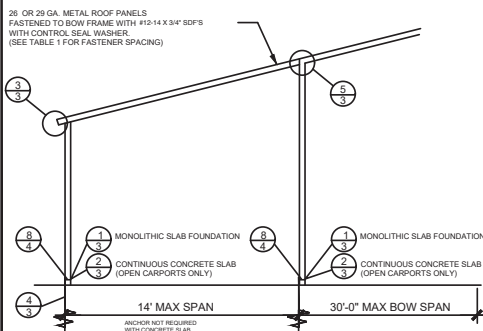
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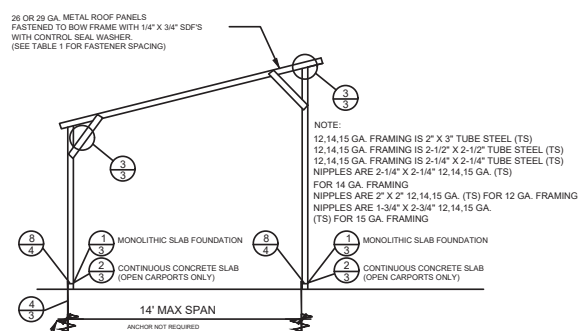
END WALL OPENING
NOT TO SCALE



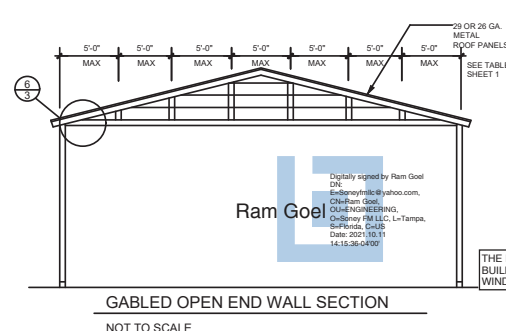
END WALL SECTION
NOT TO SCALE



TYPICAL SIDE EXTENSION SECTION
NOT TO SCALE



TYPICAL FREESTANDING LEAN-TO
NOT TO SCALE



GABLED OPEN END WALL SECTION
NOT TO SCALE

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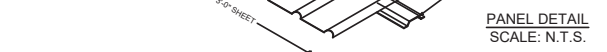
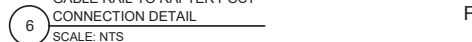
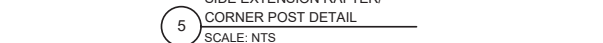
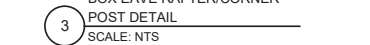
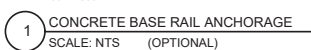
DR. RAM A. GOEL, PH.D., P.E. # 47431
SONEY FM LLC
CORY LAKE PROFESSIONAL CENTER
10329 CROSS CREEK BLVD., SUITE P
TAMPA, FL 33647
PH: 727-420-7396
FAX: (813) 972-2846
WWW.SONEYFM.COM

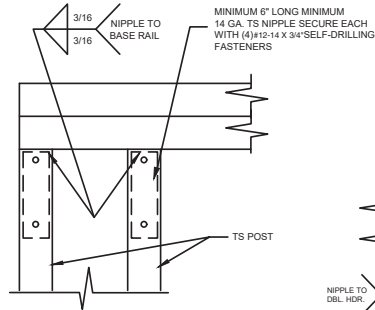
Job # 2173
Drawn By: S.K.
Checked By: R.G.

Issue Date: 08-18-21

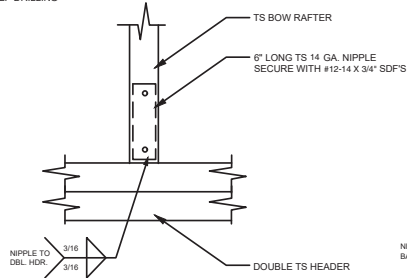
No.	Date	Description
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2	11	
3	11	

PREFABRICATED UTILITY STRUCTURE
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

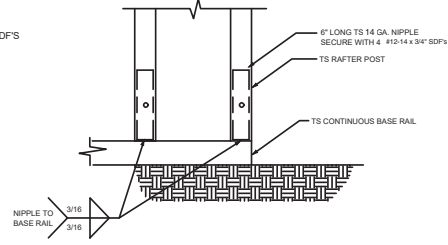




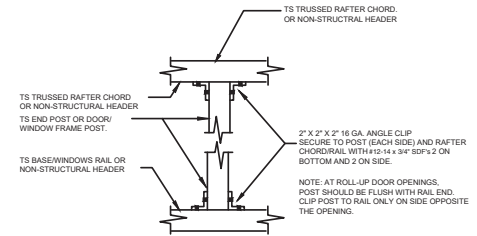
1 RAFTER POST/DBL. HEADER DETAIL
SCALE: NTS



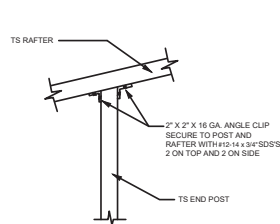
2 RAFTER POST/BASE RAIL CONNECTION DETAIL
SCALE: NTS



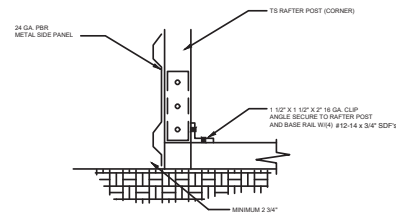
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SCALE: NTS



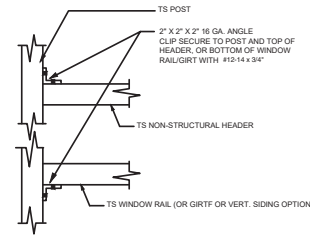
4 POST TO RAIL, TRUSS CHORD, OR NON-STRUCTURAL HEADER CONN. DETAIL
SCALE: NTS



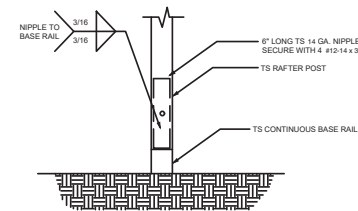
5 END POST/RAFTER CONN. DETAIL
SCALE: NTS



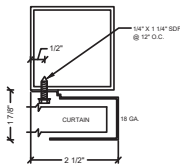
6 END POST/BASE RAIL CONN. DETAIL
SCALE: NTS



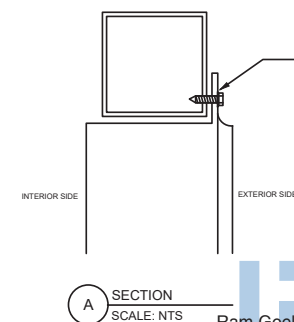
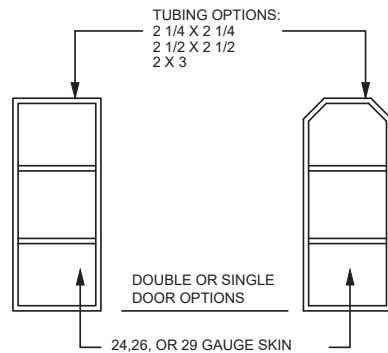
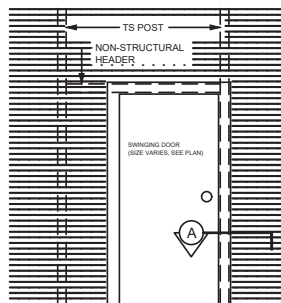
7 NON-STRUCTURAL HEADER, WINDOW RAIL, OR GIRT TO POST CONN. DETAIL
SCALE: NTS



8 POST/BASE RAIL CONN. DETAIL
SCALE: NTS



SECTION THROUGH ROLL UP DOOR HEADER
SCALE: NTS
CURTAIN 24 GA. PBR WITH BAKED ON EPOXY PRIMER & POLYESTER TOP COAT.



A SECTION
SCALE: NTS

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WIND LOADS OF 180 MPH

Digitally signed by Ram
Goel
DN: cn=Ram Goel, o=Elite Metal Manufacturing, LLC,
ou=Engineering, email=Ram.Goel@elite-metal.com,
c=Florida, s=Florida, Co=,
Date: 2021.10.01
14:16:06 -0400

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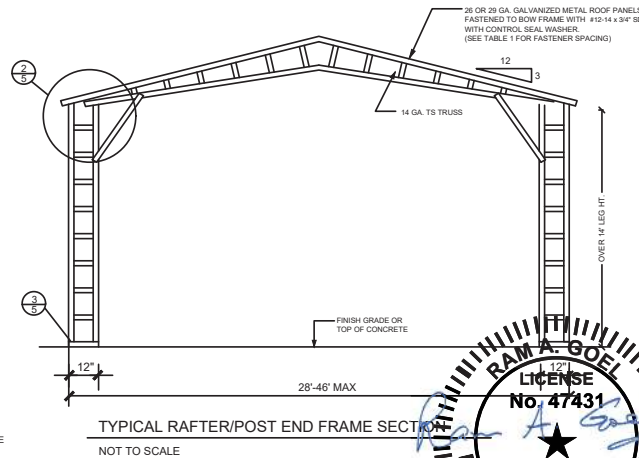
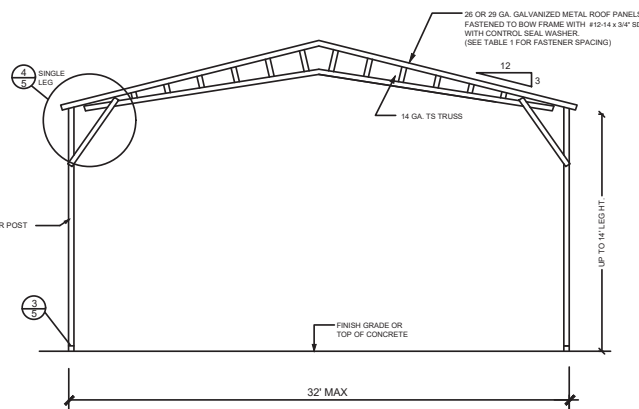
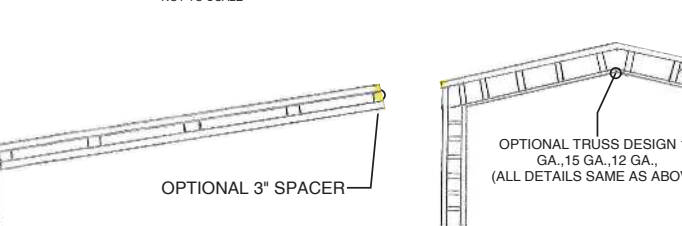
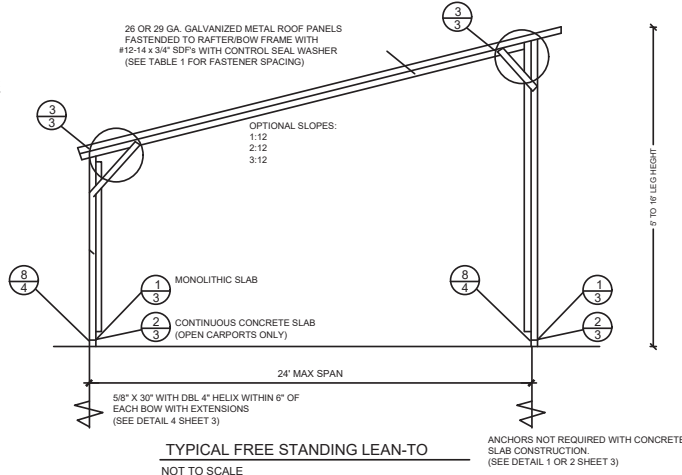
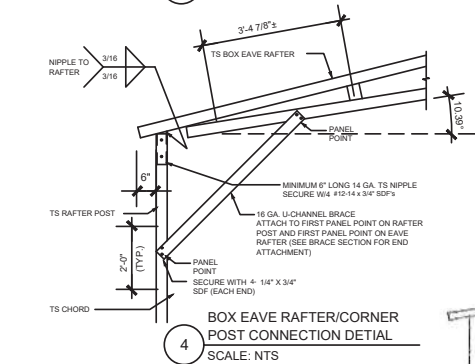
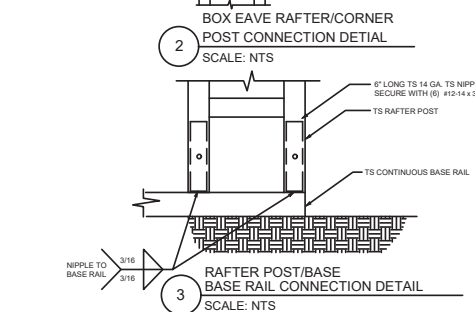
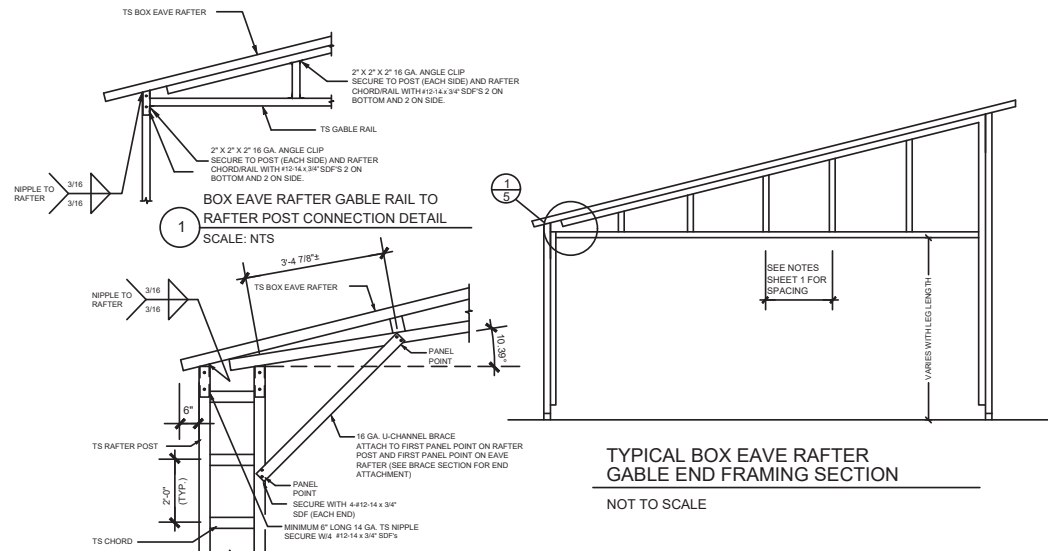
DR. RAM A. GOEL, PH.D., P.E.
P.E. # 47431
SONEY FM LLC
CORY LAKE PROFESSIONAL CENTER
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PH: 727-420-4796
FAX: (813) 972-2846
WWW.SONEYFM.COM

Job # 2173
Drawn By: S.K.
Checked By: R.G.

Issue Date: 08-18-21

No.	Date	Description
1	11	
2	11	
3	11	

PREFABRICATED UTILITY STRUCTURE
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060



Ram Goel
Digitally signed by Ram Goel
DN: cn=Ram Goel, ou=ENGINEERING, o=SONEY FM LLC, c=United States of America, email=ramgoel@sonyfm.com, date=2021.10.11 14:16:29-0400

STATE OF FLORIDA
LICENSE No. 47431
PROFESSIONAL ENGINEER

THE FOLLOWING IS COMPLYING WITH THE FLORIDA BUILDING CODE 2020, 7TH EDITION AND ASCE 7-16 FOR WIND LOADS OF 180 MPH

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ENGINEERS
Professional, Efficient & Innovative

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SONEY FM LLC
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10329 CROSS CREEK BLVD., SUITE P
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PH: 813.726.2836
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WWW.SONEYFM.COM

Job # 2173
Drawn By: S.K.
Checked By: R.G.

Issue Date: 08-18-21

No.	Date	Description
1	08-18-21	Initial Issue
2		
3		
4		

PREFABRICATED UTILITY STRUCTURE

ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

5

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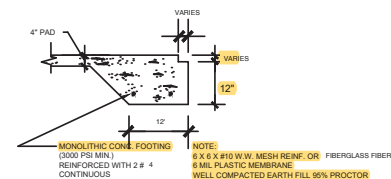
DR. RAM A. GOEL, PH.D., P.E.
F.P.E. #7431
SONEY FM LLC
CORY LAKE PROFESSIONAL CENTER
10329 CROSS CREEK BLVD., SUITE P
TAMPA, FL 33647
PH: 727-420-4796
Fax: (813) 972-2846
www.soneyfmllc.com

Job # 2173
Drawn By: S.K.
Checked By: R.G.

Issue Date: 08-18-21		
Revisions:		
No.	Date	Description
1	11	
2	11	
3	11	

CONCRETE
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

6



1 MONOLITHIC FOOTER (TYP.)
SCALE: NTS

4" CONC. SLAB
6 X 6 #10 W.W. MESH REINF. -
FIBERMESH OPTIONAL
6 MIL PLASTIC MEMBRANE
WELL COMPACTED EARTH FILL 95% PROCTOR
TREAT SOIL FOR TERMITES

CONCRETE:
CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
COVER OVER REINFORCING STEEL
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE:
3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND
PERMANENTLY IN CONTACT WITH EARCH OR EXPOSED TO THE EARTH OR WEATHER
AND 1 1/2" ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE
A MINIMUM CLEAR DISTANCE OF 1/4" FOR FINE GROUT OR 1/2" FOR COURSE GROUT
BETWEEN REINFORCING BARS AND ANY FACE OF A CELL. REINFORCING BARS USED IN
MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN
2" FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER 1 1/2" FOR MASONRY
UNITS NOT EXPOSED TO EARCH OR WEATHER.

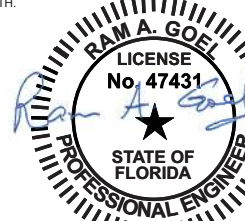
REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

GALVANIZATION:
METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION NOT DIRECTLY EXPOSED TO
THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL
PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE
IN STAINLESS STEEL OR HOT DIPPED GALVANIZED.

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:
1. ALL REINFORCEMENT IS BENT COLD
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN 6-BAR
DIAMETERS AND
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN BARS WITH A VERTICAL CELL, BARS PARTIAL
EMBEDDED IN CONCRETE SHALL BE PERMITTED TO BE BENT AT A SLOPE NOT MORE THAN 1" OF
THE HORIZONTAL DISPLACEMENT TO 6" OF VERTICAL BAR LENGTH.

Ram Goel
Digitally signed by Ram
Goel
DN:
E=Soneyfmllc@yahoo.com,
OU=Ram Goel,
OU=ENGINEERING,
O=Soney FM LLC,
L=Tampa, FL, C=US
Date: 2021.10.11
14:16:36 -0400



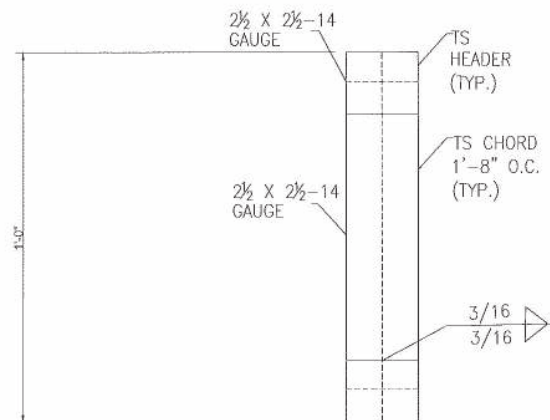
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WIND LOADS OF 180 MPH

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RAM A. GOEL, P.E. # 47431

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OPTIONAL HEADER



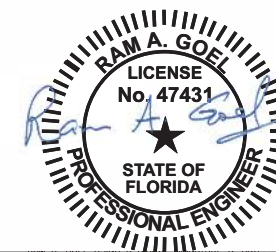
HEADER DETAIL FOR DOOR
OPENINGS 12'-0" < LENGTH < 20'-0"
SCALE: 1/16



DR. RAM A. GOEL, PH.D., P.E.
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Fax: (813) 972-2846
www.soneyfmllc.com

Job # 2173
Drawn By: S.K.
Checked By: R.G.

Issue Date: 08-18-21	
Revisions:	
No.	Description
1	
1	
1	
1	



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WIND LOADS OF 180 MPH

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DN:
E=soneyfmllc@yahoo.com,
OU=Soney FM LLC,
OU=ENGINEERING,
CN=Ram A. Goel,
C=US
Date: 2021.10.21
14:18:54-0400

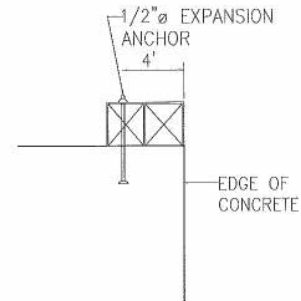
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IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF THE SIGNER. THE SIGNATURE AND DATE SHALL
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Dr. Ram A. Goel PE # 47431

OPTIONAL HEADER
ELITE METAL MANUFACTURING, LLC
10121 88TH TRAIL
LIVE OAK, FL 32060

7

SONEY FM
ENGINEERS
Professionals, Efficient & Economical

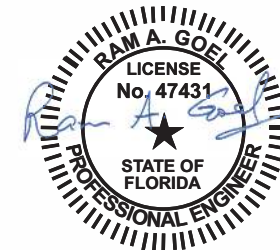


SECTION 1
SCALE: N.T.S. SK-14

TITAN 1/2" HD BOLT OPTION

2.5"

EDGE OF CONCRETE



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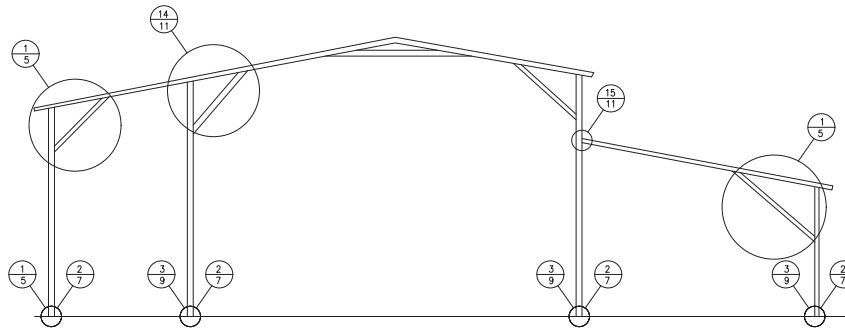
Dr. Ram A. Guel PE # 47431

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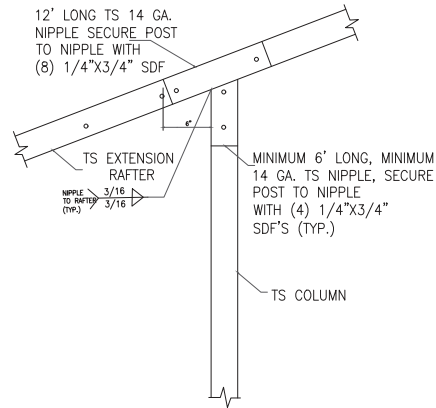
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

8

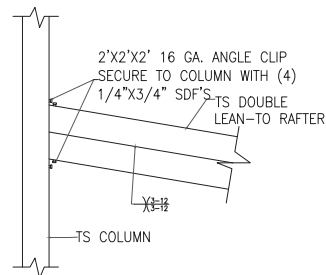
BOX EAVE RAFTER LEAN-TO OPTIONS



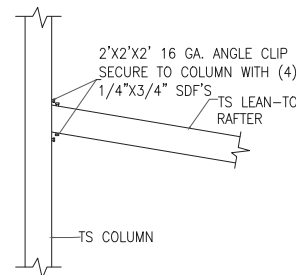
TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)
SCALE: NTS



14 SIDE EXTENSION RAFTER/
CORNER POST DETAIL
SCALE: NTS



15A LEAN-TO RAFTER TO
RAFTER POST CONNECTION
DETAIL FOR WIDTHS
12'-0" < TO < 16'-0"
SCALE: NTS



15B LEAN-TO RAFTER TO
RAFTER POST CONNECTION
DETAIL FOR WIDTHS < 12'-0"
SCALE: NTS

Ram Goel

Digitally signed by Ram Goel
DN:
E=RamGoel@yahoo.com,
O=SONEY FM LLC,
OU=ENGINEERING,
C=US
Date: 2021.10.11
14:17:28-0400

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Dr. Ram A. Goel PE # 47431



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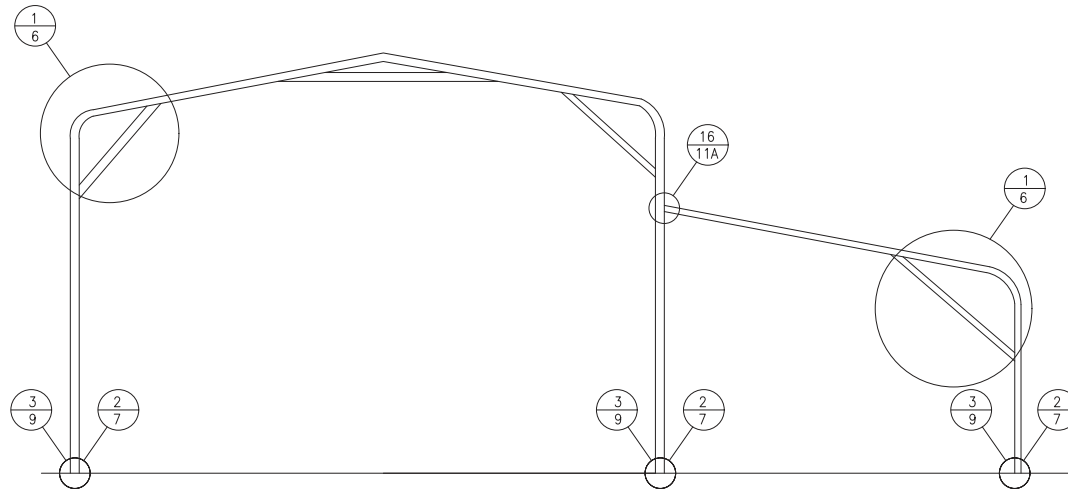
Job # 2173
Drawn By: K.D.
Checked By: S.G.

Issue Date: 08-18-21
Revisions:
No. Date Description
1 //
2 //
3 //
4 //

BOX EAVE RAFTER LEAN-TO OPTIONS
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

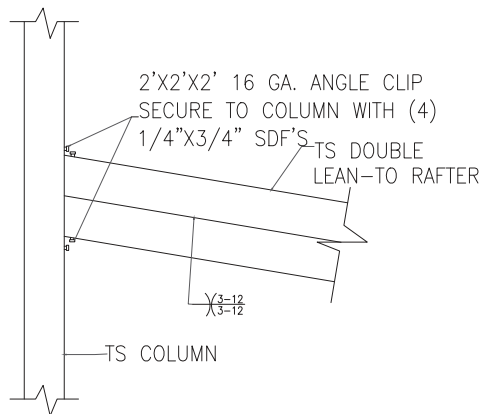
9

BOX EAVE RAFTER LEAN-TO OPTIONS



TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION

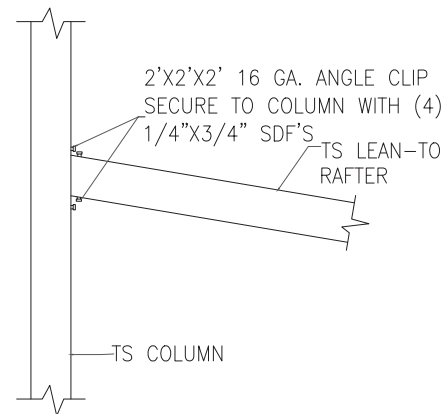
SCALE: NTS



LEAN-TO RAFTER TO
RAFTER POST CONNECTION
DETAIL FOR WIDTHS
12'-0" < TO <= 16'-0"

16A

SCALE: NTS



LEAN-TO RAFTER TO
RAFTER POST CONNECTION
DETAIL FOR WIDTHS <= 12'-0"

16B

SCALE: NTS

Digitally signed by Ram
Goel
DN:
E=sonyfmlc@yahoo.com,
OU=ENGINEERING,
O=SONY FM LLC,
L=Tampa, S=Florida, C=US
Date: 2021.10.11
14:17:44-0400

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