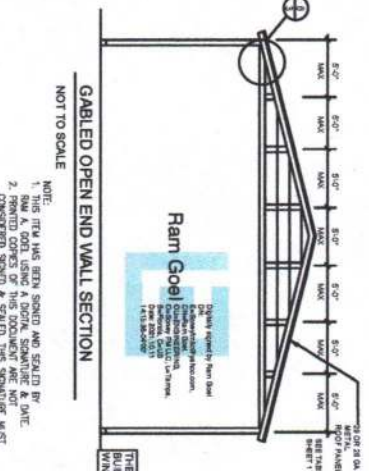
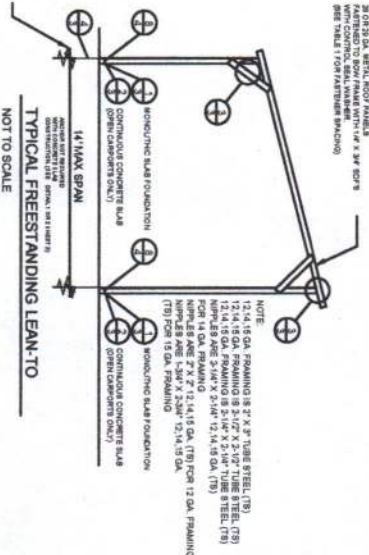
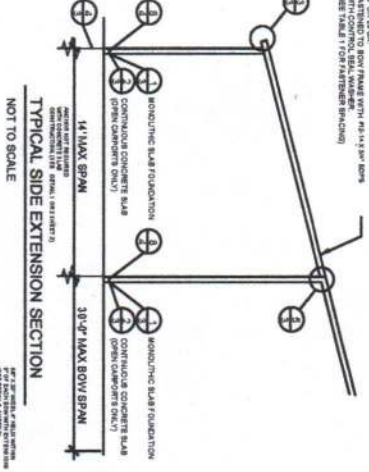
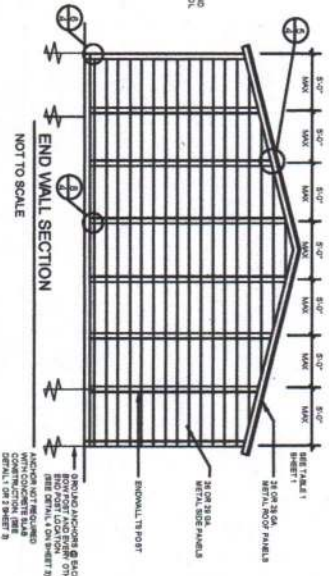
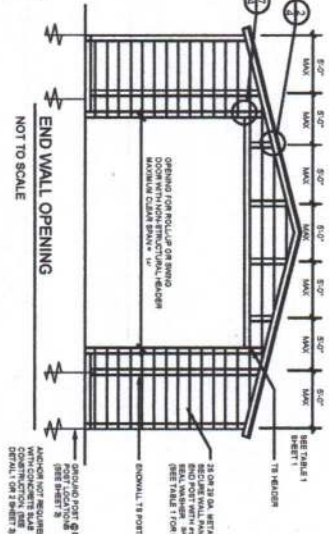
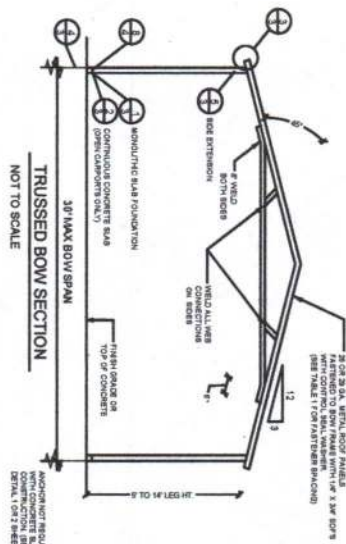
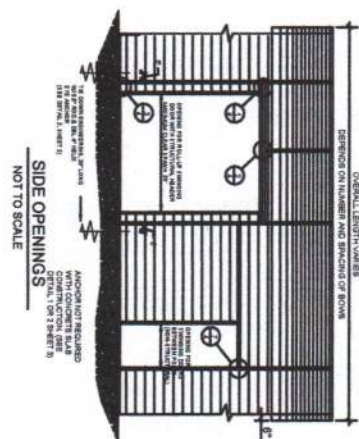
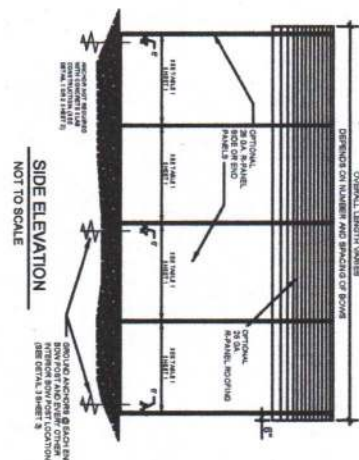
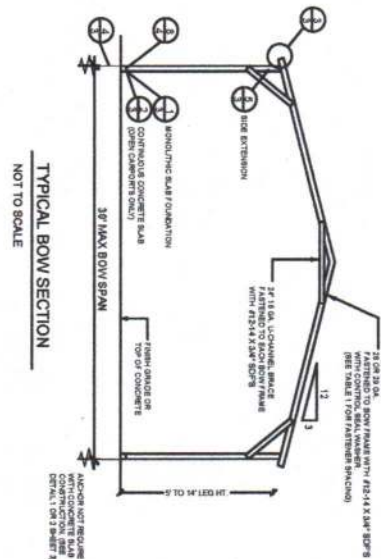




NOTE:
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DR. RAM A. GOEL, PH.D., P.E.
F.P.E. 47431

Professional Engineer
State of Florida
No. 47431

PREFABRICATED UTILITY STRUCTURE

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

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

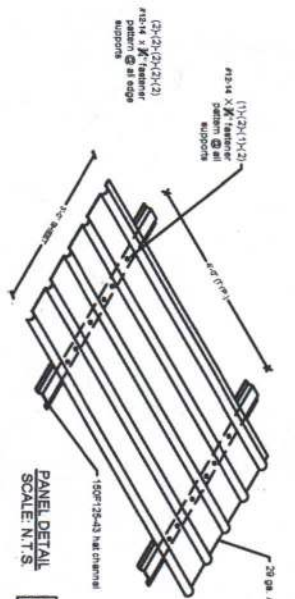
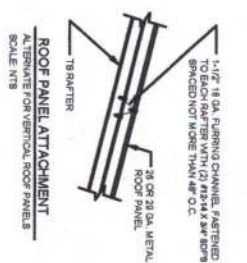
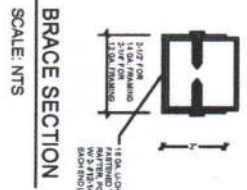
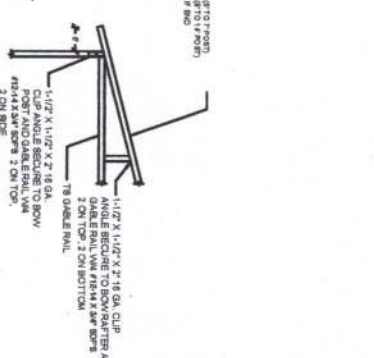
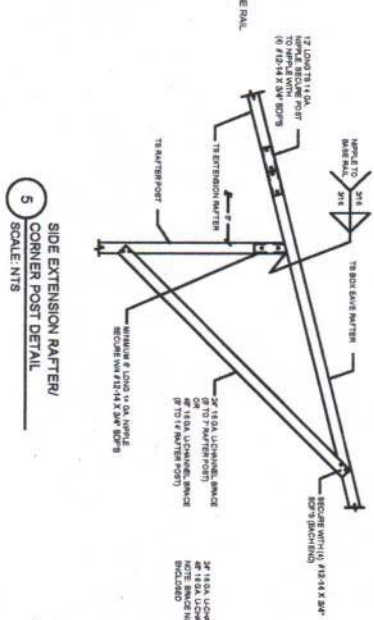
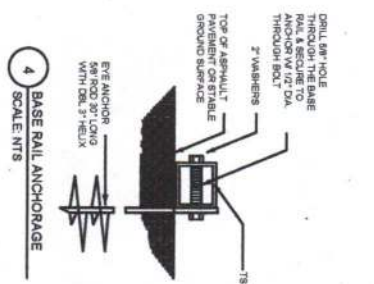
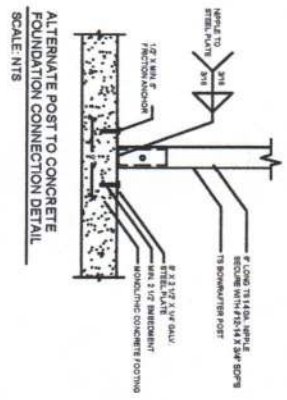
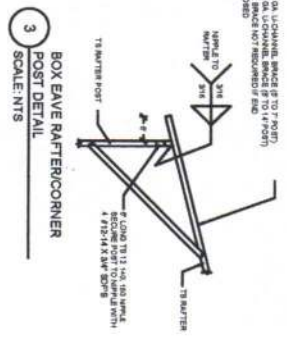
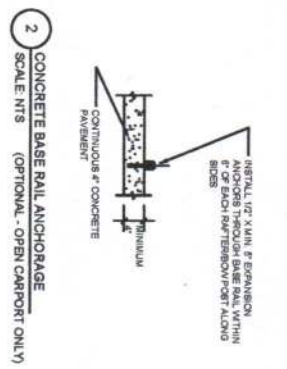
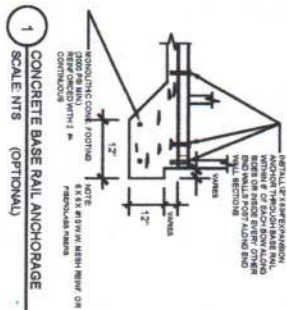
Issue Date: 08-18-21

DR. RAM A. GOEL, PH.D., P.E.
F.P.E. 47431

SONEY FM LLC
CORY LAKE PROFESSIONAL CENTER
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ENGINEERS

Professional, Diligent & Comprehensive



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2. PRINTED COPIES OF THIS DOCUMENT ARE NOT
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THE FOLLOWING IS COMPLIANT TO THE FLORIDA
BUILDING CODE 2003, 7TH EDITION AND ASCE 7.18 FOR
WIND LOADS OF 180 MPH.



PREFABRICATED UTILITY STRUCTURE

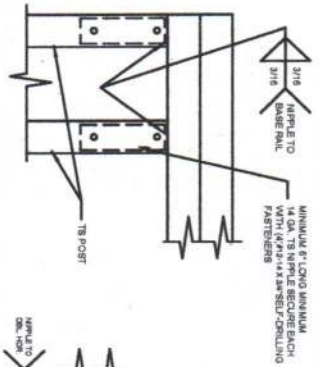
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

3

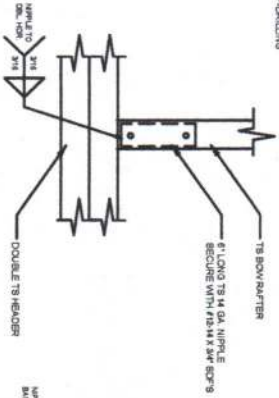
Job # 2173
Drawn By: S.K.
Checked By: R.G.

DR. RAM A. GOEL, PH.D., P.E.
F.P.E. 47431.
SONEY FM LLC
CORY LAKE PROFESSIONAL CENTER
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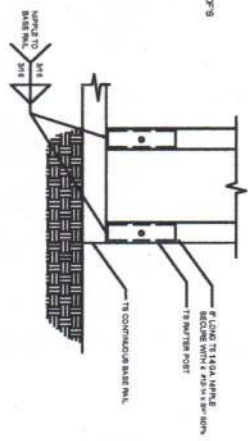




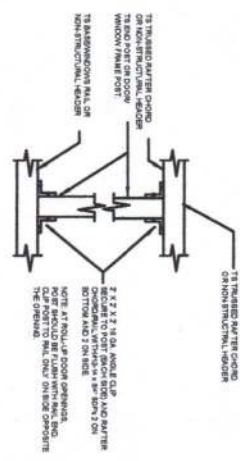
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SCALE: NTS



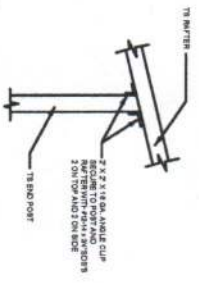
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SCALE: NTS



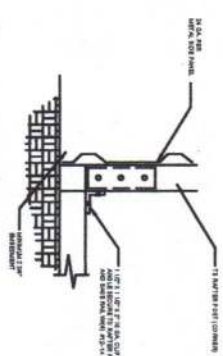
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SCALE: NTS



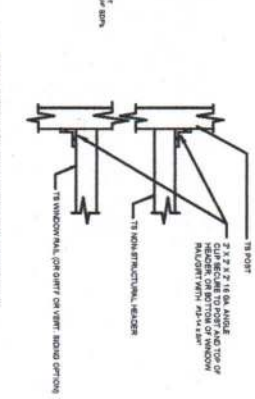
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SCALE: NTS



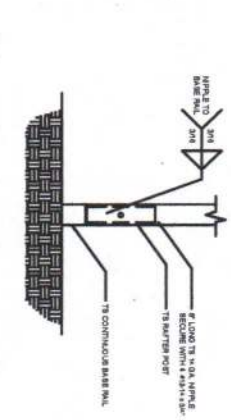
5 END POST/RAFTER CONNECTION DETAIL
SCALE: NTS



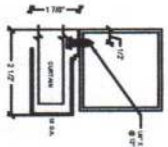
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SCALE: NTS



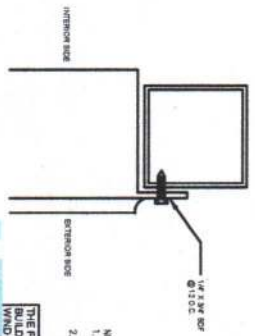
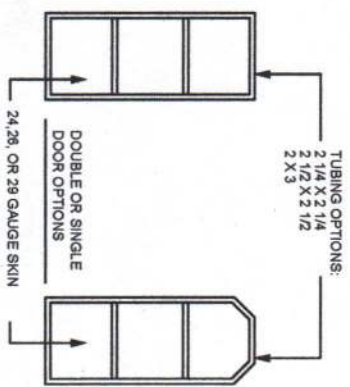
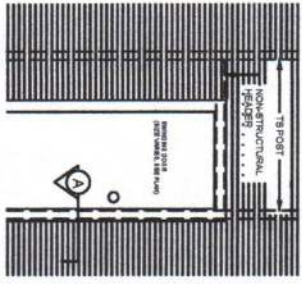
7 NON-STRUCTURAL HEADER, WINDOW RAIL, OR GIRT TO POST CONNECTION DETAIL
SCALE: NTS



8 POST/BASE RAIL CONNECTION DETAIL
SCALE: NTS



9 SECTION THROUGH ROLL UP DOOR HEADER
SCALE: NTS



12 SECTION
SCALE: NTS

STATE OF FLORIDA
PROFESSIONAL ENGINEER
RAM A. GOEL
LICENSE No. 47431
EXPIRATION DATE 12/31/2024

THE FOLLOWING IS COMPLIANT TO THE FLORIDA BUILDING CODE 2020, 7TH EDITION AND ASCE 7-16 FOR WIND LOADS OF 150 MPH.

NOTE:
1. THIS ITEM HAS BEEN SIGNED AND SEALED BY RAM A. GOEL, USING A SIGNATURE AND DATE.
2. CONSIDERED SEALED & SIGNED. THIS SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

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F.P.E. 47431
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www.soneyfmllc.com

PREFABRICATED UTILITY STRUCTURE

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

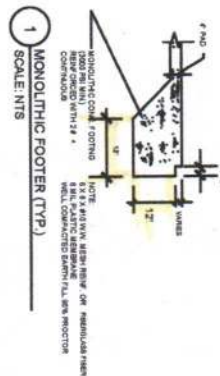
Issue Date:	08-19-21
Revisions:	
By:	SK
Checked By:	R.G.
Date:	
Drawn:	
Design:	

Job # 2173
Drawn By: SK
Checked By: R.G.





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ENGINEERS
Professional, Efficient & Innovative



1 MONOLITHIC FOOTER (TYP.)
SCALE: NTS

CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

COVER OVER REINFORCING STEEL

FOR FOUNDATIONS: REINFORCING CONCRETE COVER OVER REINFORCING BARS SHALL BE 4 INCHES FOR ALL CONDITIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENT VIN CONTACT WITH EARTH 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 COARSE GROUT.

BE TWEEN 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 EARTH 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:

ALL REINFORCEMENT IS BENT COULD

1. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN 4 BAR DIAMETERS AND

2. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN BARS WITH A VERTICAL CELL, BARS PARTIALLY EMBEDDED IN CONCRETE SHALL BE PERMITTED TO BE BENT AT AN ANGLE OF NOT MORE THAN 10° OF THE HORIZONTAL DISPLACEMENT TO 9° OF VERTICAL BAR LENGTH.

NOTE:
1. THIS ITEM HAS BEEN SIGNED AND SEALED BY
PAM A. GOEL USING A DIGITAL SIGNATURE & DATE.
2. PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED & SEALED. THIS SIGNATURE MUST
BE VERIFIED ON ANY ELECTRONIC COPIES.

RAM A. GOEL, P.E. # 47431

Ram Goel

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



CONCRETE

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

9

DR. RAM A. GOEL, PH.D., P.E.
F.P.E. 47431.

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

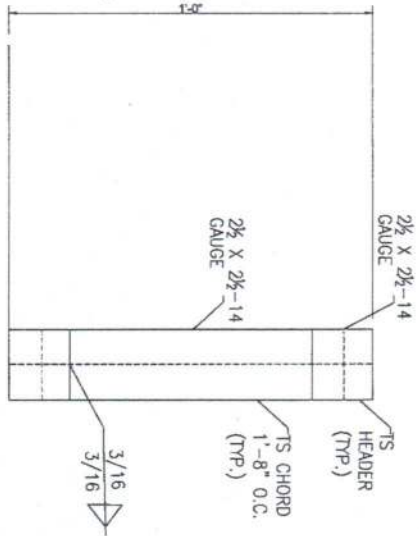
Drawn By: S.K.

Checked By: R.G

Issue Date: 08-18-2018

REVISIONS:		
No.	Date	Description
1		
1		
1		
1		

OPTIONAL HEADER



HEADER DETAIL FOR DOOR
OPENINGS 12'-0" < LENGTH < 20'-0"

Ram Goel
Professional Engineer
State of Florida
License No. 47431
Date: 08/18/2018

THE FOLLOWING IS COMPLIANT TO THE FLORIDA
BUILDING CODE 2021, 7TH EDITION AND ASCE 7-16 FOR
WIND LOADS OF 150 MPH.



NOTES:
1. THIS SET OF DRAWINGS IS TO BE USED BY THE ENGINEER FOR THE DESIGN OF THE STRUCTURE.
2. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.
3. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.
4. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.
5. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.

Dr. Ram A. Goel, P.E. # 47431
SIGNED FOR: ELITE METAL MANUFACTURING, LLC
DATE: 08/18/2018

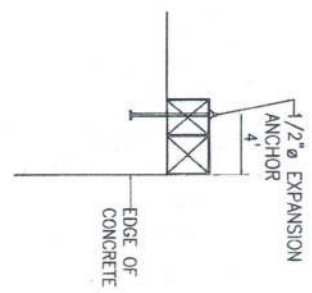
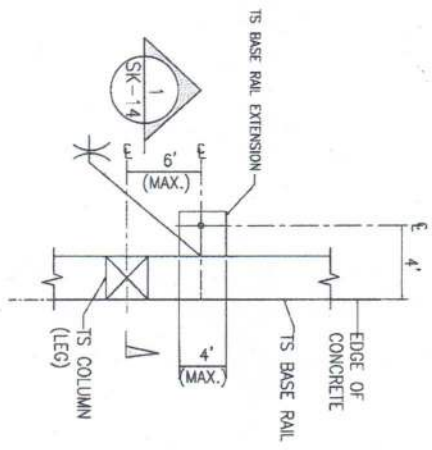
OPTIONAL HEADER
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

JOB # 2173
Drawn By: S.K.
Checked By: R.G.
Issue Date: 08-18-21
Revisions:
1. 08/18/21
2. 08/18/21
3. 08/18/21
4. 08/18/21
5. 08/18/21

DR. RAM A. GOEL, PH.D., P.E.
F.P.E. 47431.
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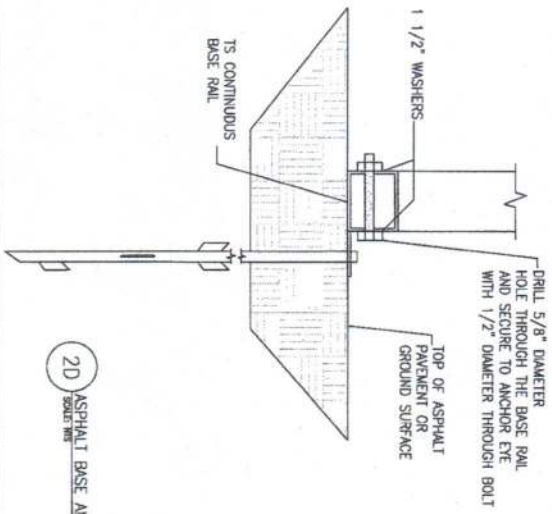
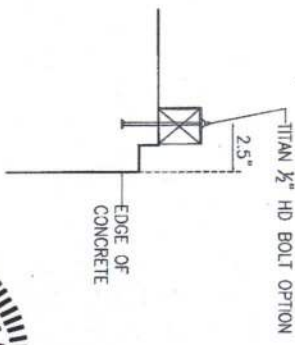


ADDITIONAL BASE RAIL ANCHORAGE OPTION



TYPICAL ANCHOR DETAIL WHEN
BASE RAIL IS NEAR EDGE OF CONCRETE
SCALE N.T.S.

SECTION 1
SCALE N.T.S.



2D ASPHALT BASE ANCHORAGE



THE FOLLOWING IS COMPLIANT TO THE FLORIDA BUILDING CODE 2021, 7TH EDITION AND ASCE 7-18 FOR WIND LOADS OF 100 MPH.

1. THIS PLAN HAS BEEN REVIEWED AND SEALED BY ME.
2. I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA.
3. I HAVE REVIEWED THE PROJECT AND THE DESIGN.
4. I HAVE REVIEWED THE PROJECT AND THE DESIGN.
5. I HAVE REVIEWED THE PROJECT AND THE DESIGN.

Dr. Ram A. Goel P.E. # 47431

ADDITIONAL BASE RAIL ANCHORAGE OPTION

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

Issue	Date	Revised By	Description
1	11/11/21	SK	Issue
2	11/11/21	SK	Issue
3	11/11/21	SK	Issue
4	11/11/21	SK	Issue
5	11/11/21	SK	Issue

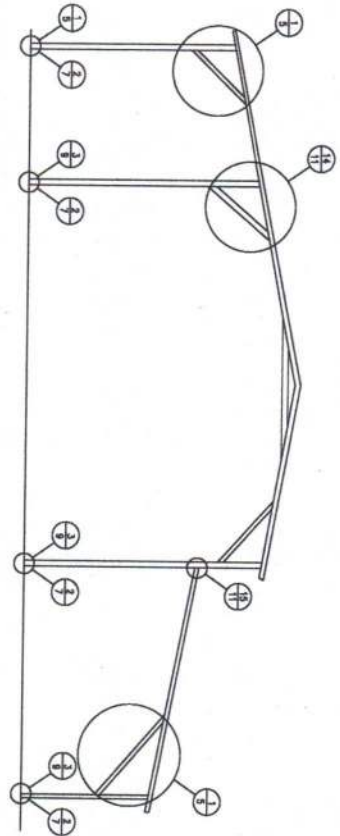
Job # 2173
Drawn By: S.K.
Checked By: R.G.

DR. RAM A. GOEL, PH.D., P.E.
F.P.E. 47431.

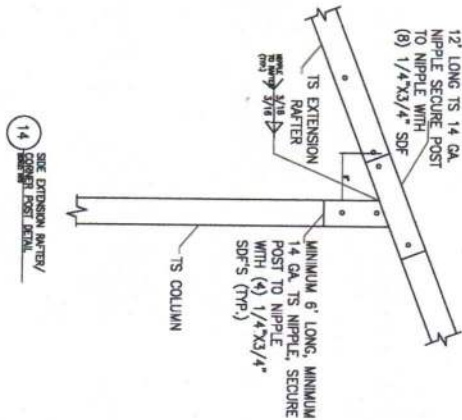
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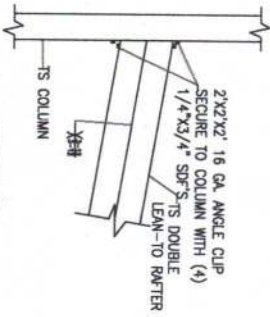
BOX EAVE RAFTER LEAN-TO OPTIONS



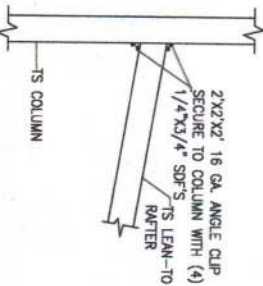
TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)
SCALE: NTS



14 SIDE EXTENSION RAFTER/
CONNECTOR POST DETAIL



15A LEAN-TO RAFTER TO
RAFTER POST CONNECTION
DETAIL FOR WORKS
12'-0\"/>



15B LEAN-TO RAFTER TO
RAFTER POST CONNECTION
DETAIL FOR WORKS 4'-0\"/>

Ram Goel

Professional Engineer
No. 11111
State of Florida
Civil



NOTES:
1. THIS SET, USE WITH SPEC, AND SHALL BE
READ A, FOR USING A DESIGN, SPECIFICATION & DETAIL.
2. CORRECTED COPIES OF THIS DOCUMENT ARE NOT
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Dr. Ram A. Goel P.E. # 47431

BOX EAVE RAFTER LEAN-TO OPTIONS

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

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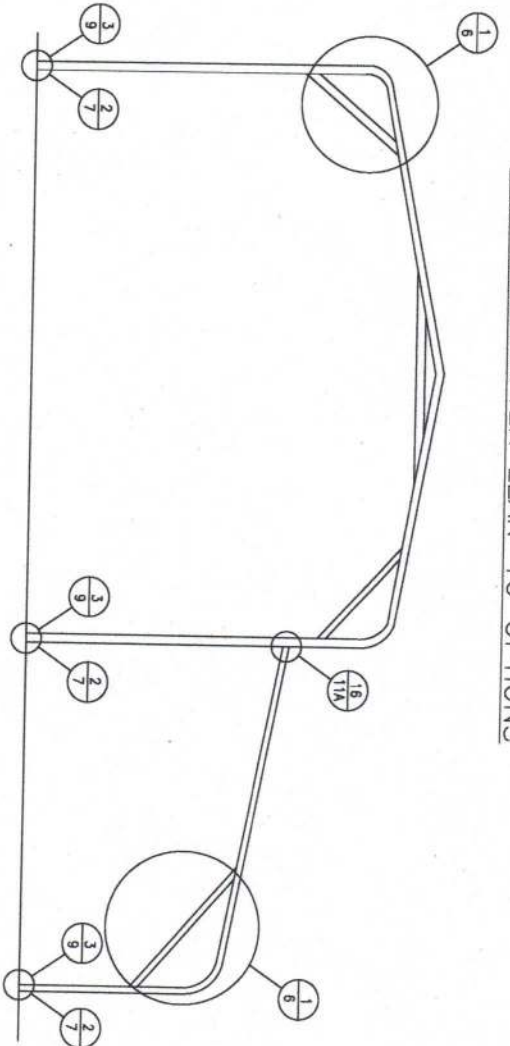
Revisions:	Issue Date	By	Check
1	08-18-21	K.D.	S.G.
2			
3			
4			
5			

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

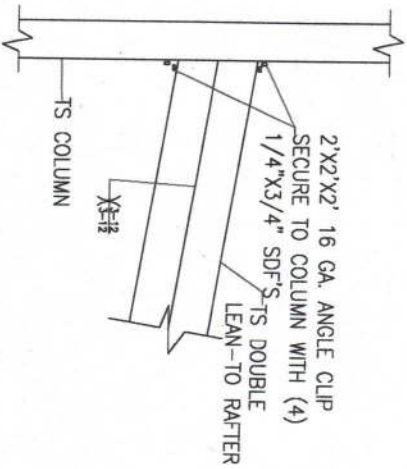
Richard G. Marceau, P.E. # 64466
PH: 813-388-6090
SONEY FM LLC
CORY LAKE PROFESSIONAL CENTER
10329 CROSS CREEK BLVD., SUITE P
TAMPA, FL 33647
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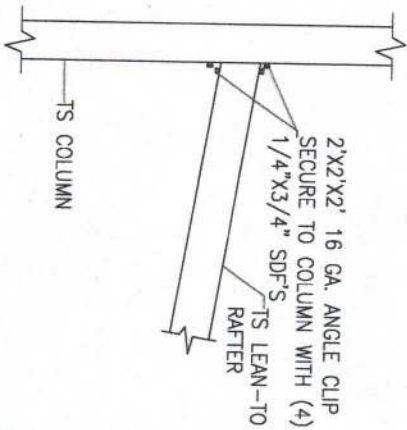
BOX EAVE RAFTER LEAN-TO OPTIONS



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

Ram G08

Drawn by: S.G.
Checked by: S.G.
Issue Date: 08-18-21



BOX EAVE RAFTER LEAN-TO OPTIONS

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

Revisions:	Issue Date: 08-18-21
1. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
2. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
3. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
4. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
5. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
6. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
7. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
8. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
9. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21
10. FOR REVIEW AND SIGNATURE AND DATED BY: S.G.	Issue Date: 08-18-21

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

Richard G. Marceau, P.E. # 64466
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