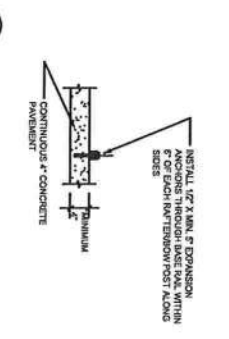
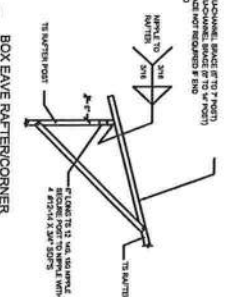


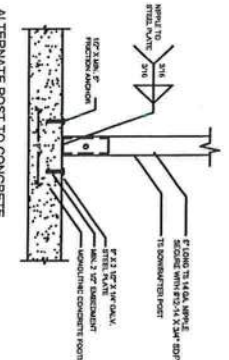
1 CONCRETE BASE RAIL ANCHORAGE
SCALE: NTS (OPTIONAL)



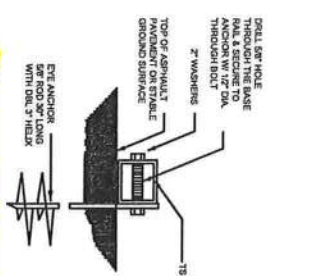
2 CONCRETE BASE RAIL ANCHORAGE
SCALE: NTS (OPTIONAL - OPEN GARPORT ONLY)



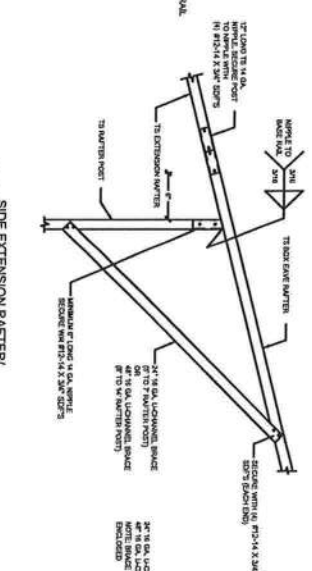
3 BOX EAVE RAFTER/CORNER POST DETAIL
SCALE: NTS



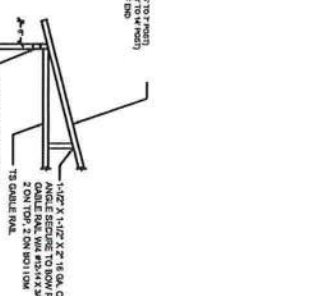
4 ALTERNATE POST TO CONCRETE FOUNDATION CONNECTION DETAIL
SCALE: NTS



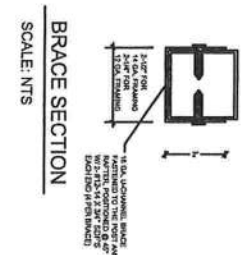
5 BASE RAIL ANCHORAGE
SCALE: NTS



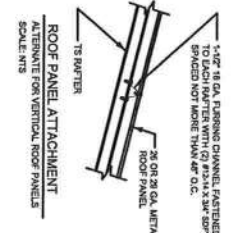
6 SIDE EXTENSION RAFTER/CORNER POST DETAIL
SCALE: NTS



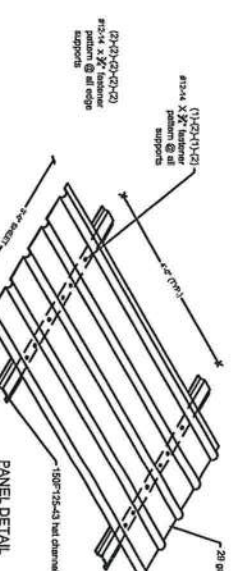
7 CABLE RAIL TO RAFTER POST CONNECTION DETAIL
SCALE: NTS



8 BRACE SECTION
SCALE: NTS



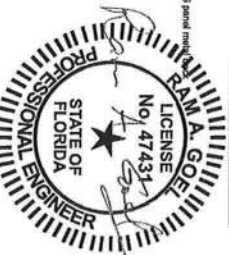
9 ROOF PANEL ATTACHMENT
SCALE: NTS



10 PANEL DETAIL
SCALE: NTS

NOTE: THIS SET OF DRAWINGS IS FOR THE DESIGN OF THE STRUCTURE. THE USER OF THIS SET OF DRAWINGS IS RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE. THE USER OF THIS SET OF DRAWINGS IS RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE. THE USER OF THIS SET OF DRAWINGS IS RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.

THE FOLLOWING IS COMPLIANT TO THE FLORIDA BUILDING CODE AND ASSESSMENT FOR WIND LOADS OF 150 MPH.



Ram A. Goel
Professional Engineer
State of Florida
License 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: 8-18-21

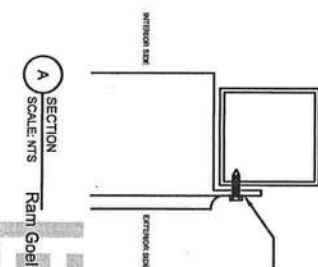
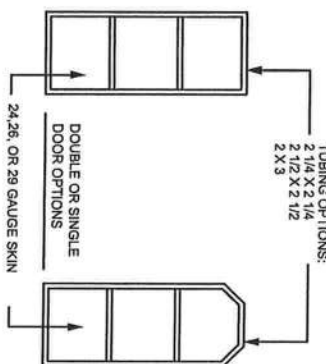
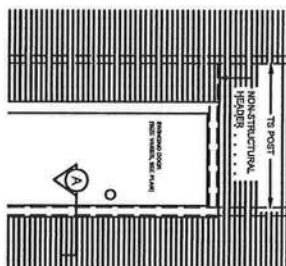
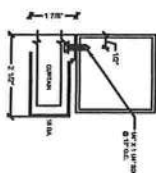
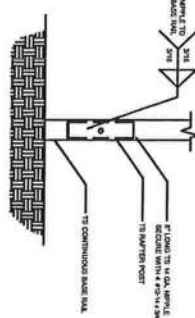
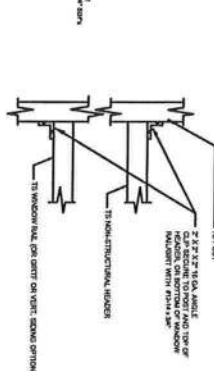
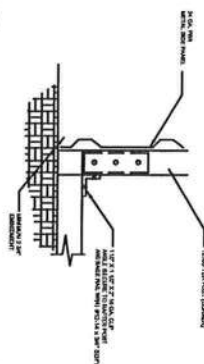
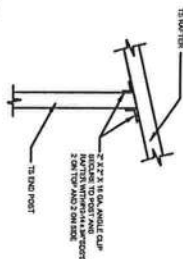
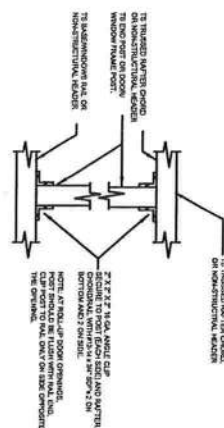
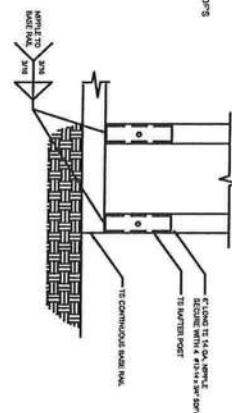
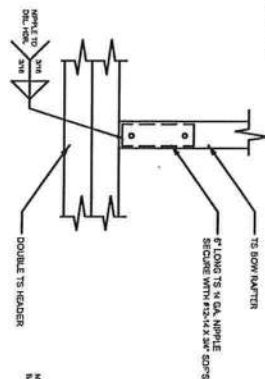
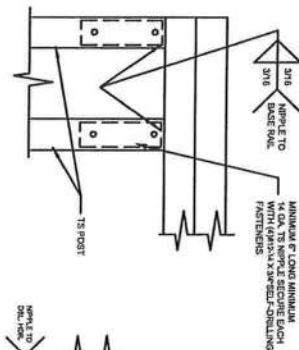
Revisions:

No.	Date	Description
1	8/18/21	Issue

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





PREFABRICATED UTILITY STRUCTURE

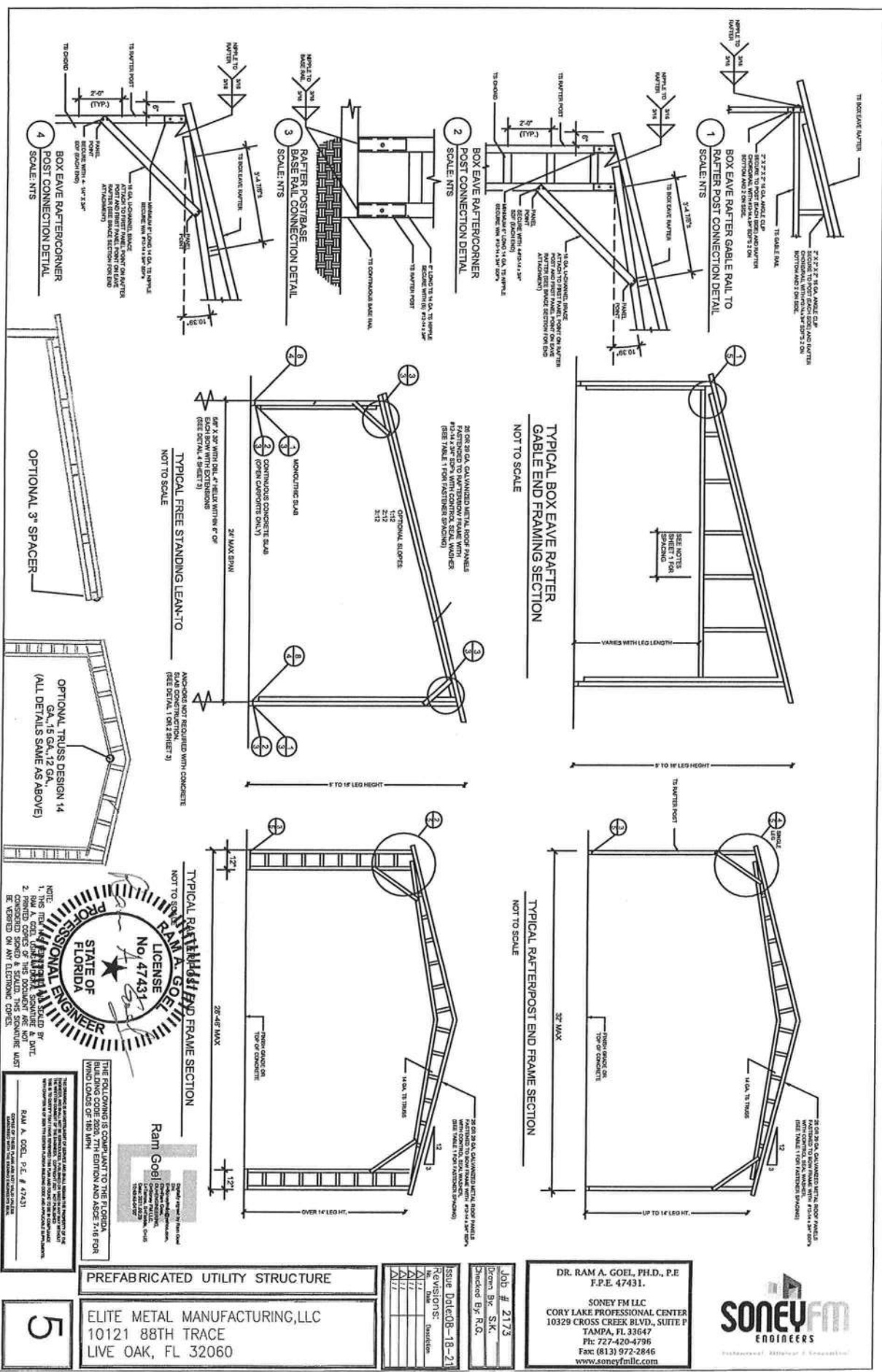
ELITE METAL MANUFACTURING,LLC
10121 88TH TRACE
LIVE OAK, FL 32060

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

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SONEY ENGINEERS
Design/Build, Operate & Maintain



STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 No. 47431
 RAY A. GOEL

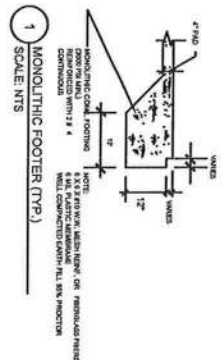
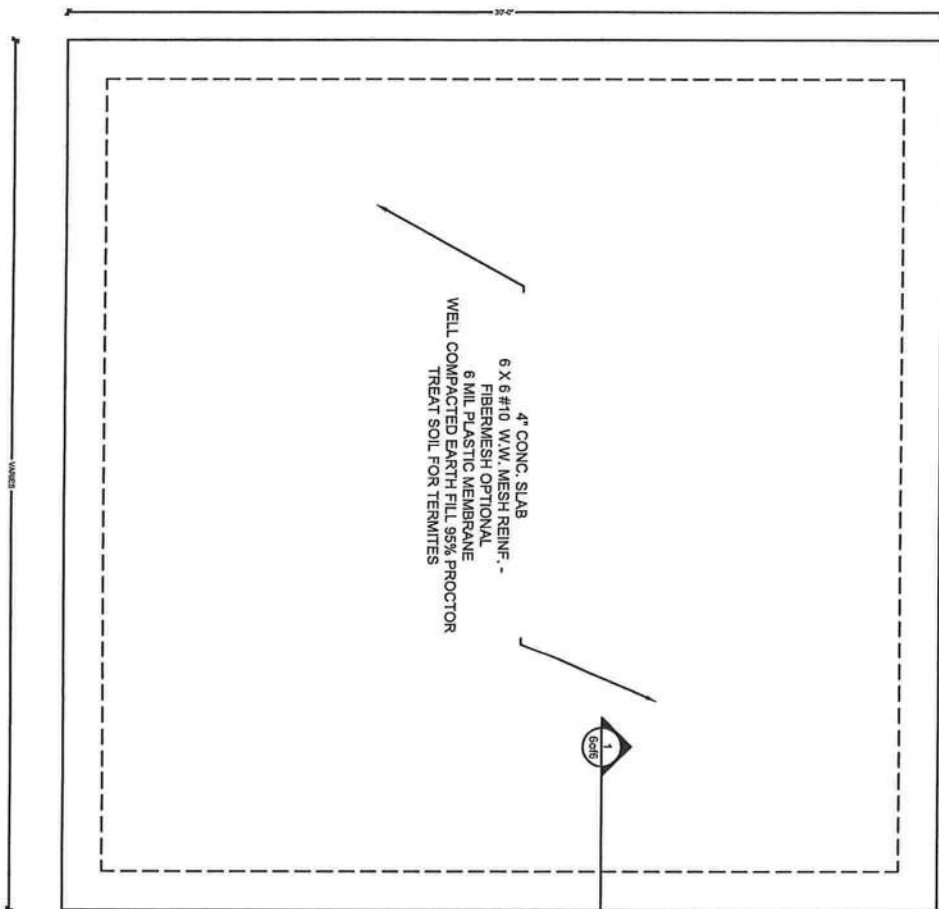
THE FOLLOWING IS COMPLIANT TO THE FLORIDA
 WIND LOADS OF 150 MPH
 RAY A. GOEL, P.E. # 47431
 ENGINEER

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

Issue Date: 08-18-21
 Revisions:
 1. 08-18-21
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DR. RAM A. GOEL, PH.D., P.E.
 F.P.E. 47431
 SONEY FM LLC
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SONEY FM
 ENGINEERS
 Professional Engineer & Constructors



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:
5 INCHES FOR ALL CONDITIONS WHERE THE CONCRETE IS CAST AGAINST AND
PREPAREDLY FINISHED SURFACES.
AND 1 INCH ELSEWHERE. REINFORCING BARS EMBEDDED IN CONCRETE SHALL HAVE
A MINIMUM CLEAR DISTANCE OF 1/4" FOR FINE GROUT OR 1/2" FOR COARSE 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 EARTH OR WEATHER.
REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.
GALVANIZATION:
ALL REINFORCING STEEL FOR USE IN EXTERIOR WALL CONSTRUCTION NOT DIRECTLY EXPOSED TO
THE WEATHER SHALL BE GALVANIZED WITH A 150 CYCLES P2, 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. 1 INCH MINIMUM TO 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 9" OF VERTICAL BAR LENGTH.



NOTE:
1. THIS PLAN HAS BEEN SIGNED AND SEALED BY
RAM A. GOEL, USING A DIGITAL SIGNATURE & DATE.
2. CONCRETE SHALL BE CASTED IN ONE LIFT.
3. CONCRETE SHALL BE VIBRATED TO THE REQUIRED DENSITY.
4. CONCRETE SHALL BE CURED BY ANY ELECTRONIC MEANS.

THE FOLLOWING IS COMPLIANT TO THE FLORIDA
BUILDING CODE, 2018 EDITION AND ADDED F-18 FOR
WIND LOADS OF 150 MPH

6

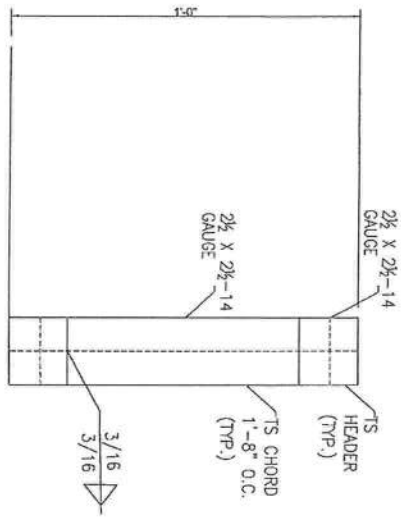
CONCRETE
ELITE METAL MANUFACTURING, LLC
10121 88TH TRACE
LIVE OAK, FL 32060

Job #	2173	
Drawn By	S.K.	
Checked By	R.G.	
Issue Date	08-18-21	
Revisions:		
No.	Date	Description
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Δ	11	
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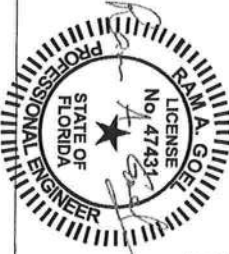
DR. RAM A. GOEL, PH.D., P.E.
F.P.E. 47431.
SONEY FM LLC
CORY LAKE PROFESSIONAL CENTER
10329 CROSS CREEK BLVD., SUITE P
TAMPA, FL 33647
Ph: 727-420-4796
Fax: (813) 972-2846
www.soneyfmllc.com



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



Digitally signed by Ram
Goel
DN:
E=Scoremfc@yahoo.com,
CN=Ram Goel,
OU=ENGINEERING,
O=Sony FM LLC,
=Tampa, St.Florida, C=US
Date: 2022.09.29
10:50:26 -04'00'



THE FOLLOWING IS COMPLIANT TO THE FLORIDA BUILDING CODE 2020, 7TH EDITION AND ASCE 7-16 FOR WIND LOADS OF 160 MPH

NOTE:
1. THE FILE HAS BEEN SIGNED AND SEALED BY
BIL A. COOL USING A DIGITAL SIGNATURE & SEAL.
2. PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED & SEALED THIS SIGNATURE WAS
RECORDED ON AN ELECTRONIC COPIES.

For more information on the many and varied uses of this revolutionary new technology, we invite you to call today. We have the information you need to help you decide if this technology is right for your business. We will be glad to provide you with a complete information package including CDG and our product literature.

Dr. Ron A. Guel PH. # 47431

Owner of the Dr. Ron Guel PH. # 47431
 17000 Highway 100, Suite 100, Dallas, TX 75244

Dr. Rom A. Coel PE # 47431

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

7

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

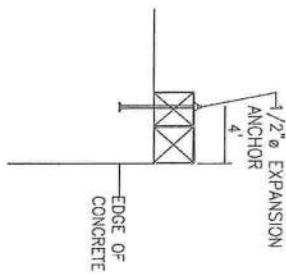
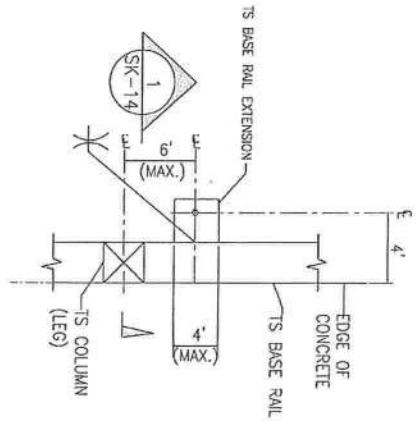
DR. RAM A. GOEL, PH.D., P.E
F.P.E. 47431.

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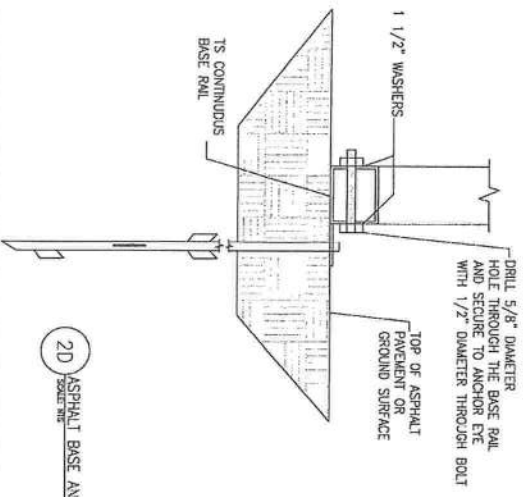
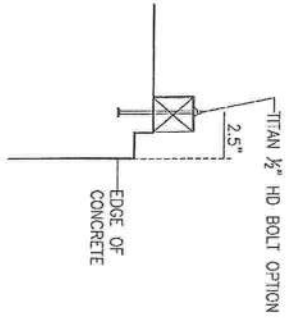
SONEY ENGINEERS
International, Electrical & Electronic

ADDITIONAL BASE RAIL ANCHORAGE OPTION

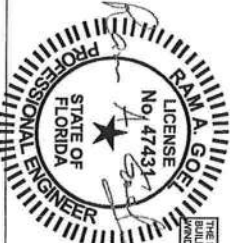


TYPICAL ANCHOR DETAIL WHEN
BASE RAIL IS NEAR EDGE OF CONCRETE

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



2D
SCALE N.T.S.



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

Ram Goel

Digitally signed by Ram Goel
DN: c=US, o=SONEY FM LLC, ou=SONEY FM LLC, email=ramgoel@soneyfm.com,
serial=2021.08.25.10:00:42-1407

ADDITIONAL BASE RAIL ANCHORAGE OPTION

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

8

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

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

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