NOTES: 1. SPECIFICATIONS APPLICABLE TO 26 OR 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 12,14-0R-15 GAUGE STEEL TUBE BOW FRAMES.

2. FASTENTERS CONSIST OF \*\*12-483\*\* SELF-DRILLING SCREWS WITH CONTROL SEAL WASHER.

3. SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20 FEET OR LESS, AND ROOF SLOPES OF 14\*(3:12 PITCH). SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.

4. GROUND ANCHOR REQUIREMENTS ARE 1 @ EACH CORNER AND ONE EVERY OTHER INTERIOR BOW/RAFTER POST LOCATION, AT MAXIMUM OF 10' O.C., AND BOTH SIDES OF OPENINGS WHERE BASE RAIL IS ABSENT.

5. GROUND ANCHORS ARE NOT REQUIRED WITH CONCRETE SLAB CONSTRUCTION. RISK CATEGORY I, II, III, or IV ROLL-UP DOOR

(AS APPLICABLE)
DESIGN PRESSURE
LOW = (+24.41-27.0 PSF)
HIGH = (+38.01-41.0 PSF) WIND EXPOSURE CATEGORY B, C, or D BOW/RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS (MPH) ULTIMATE WIND SPEED 115 TO 150 151 TO 180 - SWINGING DOOR
(AS APPLICABLE)
DESIGN PRESSURE
+40.0/-40.0 PSF NOMINAL WIND SPEED 117 TO 139 89 TO 116 TABLE 1 MAXIMUM RAFTER/BOW AND END POST SPACING (FEET) 4.0 5.0 6 6 BOWS/RAFTERS NTERIOR AVERAGE FASTENER SPACING
ON-CENTERS ALONG RAFTERS OR
PURLINS, AND POSTS OR GIRTS
(INCHES) END BOWS/RAFTERS DESIGN WAS DONE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE 7TH EDITION( FBC) 2020 SUPPLEMENT AMENDMENTS 2006 INTERNATIONAL BUILDING CODE (IBC), 2009 IBC AND 2012 IBC. ANS!/AAMA/NVW/DA 101/1S 2/97
THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH ASTM E 330, STANDARD TEST METHODS FOR STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE. EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN AAMA OR WIDMA OR OTHER APPROVED LABEL INDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION. WINDOW AND DOOR NOTE 5. CONCRETE EXPANSION ANCHORS SHALL BE WEJ-IT ANKR-TITE MODEL HT. 1252, OR SLEEVE ANCHOR MODEL HT. 1250, OR REQUIVE HT. 1252, OR SLEEVE ANCHOR REQUIREMENTS ARE 1@ EACH CORNIER 8. ONE EVERY OTHER INTERIOR RAFTER POST LOCATION. AT A MAXIMUM 10-0" O.C., AND BOTH SIDES OF OPENINGS WHERE BASE RAIL IS ABSENT. GROUND ANCHORS ARE NOT REQUIRED FASTEN METAL ROOF AND WALL PANELS TO FRAMING WITH 1/4"
 X 3/4" SELF DRILLING FASTENERS WITH CONTROL SEAL WASHER @ 6"
 O.C. AVERAGE. POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS. 3. ALL FIELD CONNECTIONS SHALL BE #12-14X3. SCREWS. 4. ALL SHOP CONNECTIONS SHALL BE WELDED 1. ALL STEEL SHALL BE 50 KSI STEEL GENERAL NOTES: FOR CONCRETE FOOTING AND/OR CONCRETE SLAB CONSTRUCTION.

## TYPICAL SIDE ELEVATION-HORIZONTAL ROOF NUMBER AND SPACING OF RAFTERS

SCALE: NOT TO SCALE

TYPICAL END ELEVATION-HORIZONTAL ROOF

SCALE: NOT TO SCALE

NOTE:

1. THIS TITEM HAS BEEN SIGNED AND SEALED B
RAMA A GOEL USING A DIGITAL SIGNATURE &
2. PRINTED COPIES OF THIS DOCUMENT ARE NO
CONSIDERED SIGNED & SEALED. THIS SIGNATE
BE VERIFIED ON ANY ELECTRONIC COPIES. & DATE. URE MUST

THE PROPERTY OF THE DISTANY WAY WITHOUT T PUBLISHED TO BE IN COMPLIANCE WO APPLICABLE SUPPLEM

RAM A.

GOEL, P.E. # 47431

CODE 2020, 7TH EDITION AND ASCE 7-16 FOR

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

PREFABRICATED UTILITY STRUCTURE

No 47431 NO

<u>ရှ</u>

Ram

Goel

Digitally signed
Goel
Dig
E=Sonsyfrillo@
CN=Ram Goel,
OU=ENGINEER
L=Tampa, SS=10
Date: 2021.09.21

- 26 OR 29 GA. METAL ROOF AND WALL PANELS DESIGN PRESSURE ±N/A -40.0 PSF @ 5-0" O.C. FASTENER SPACING

Commbia

for Code Reviewed

Date:08-18-

State of Porida

Revisions:

Description

County

greeted

Drawn By: S.K. Checked By: R.G.

Weinstein of

Building

do

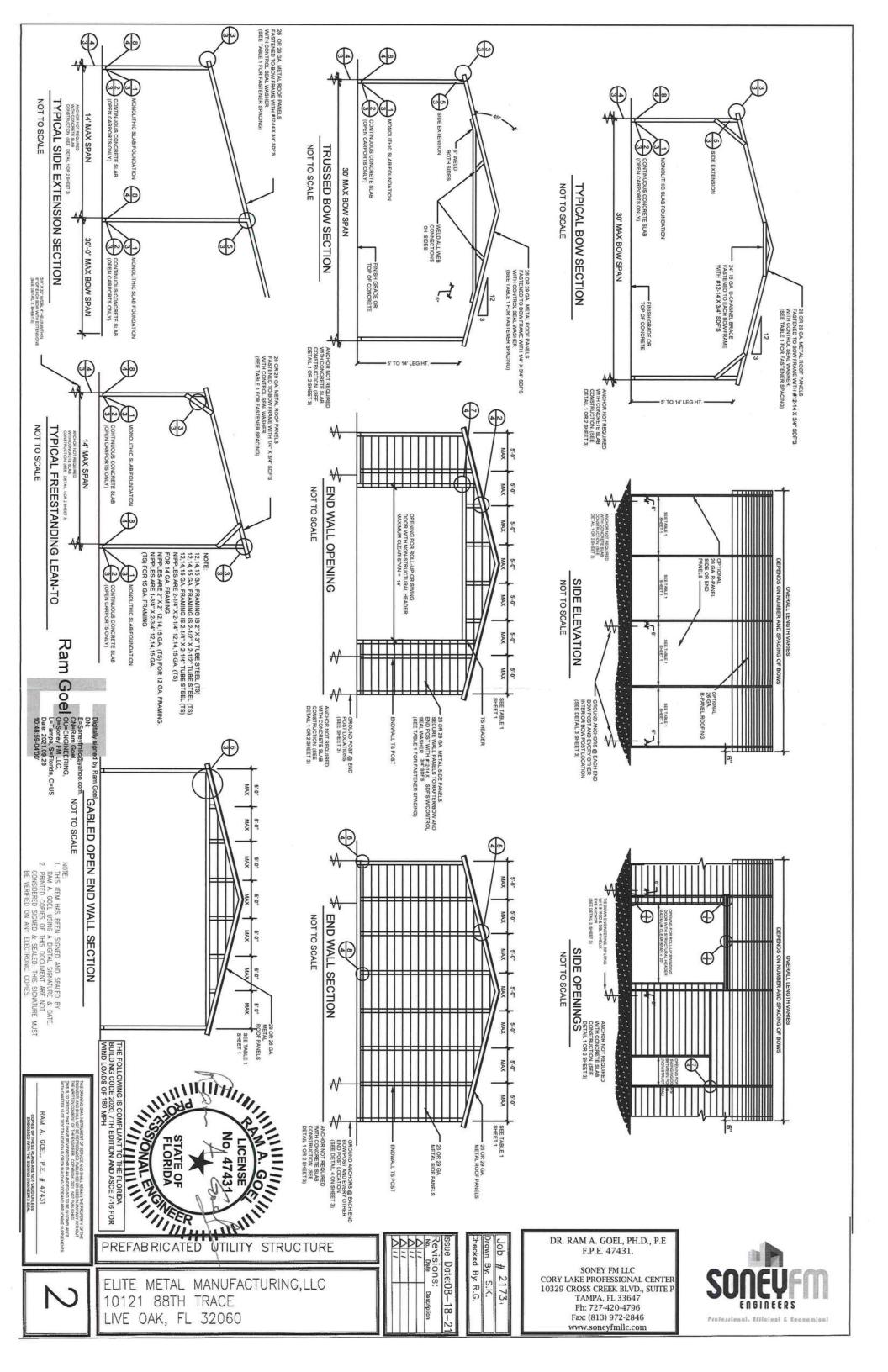
2173

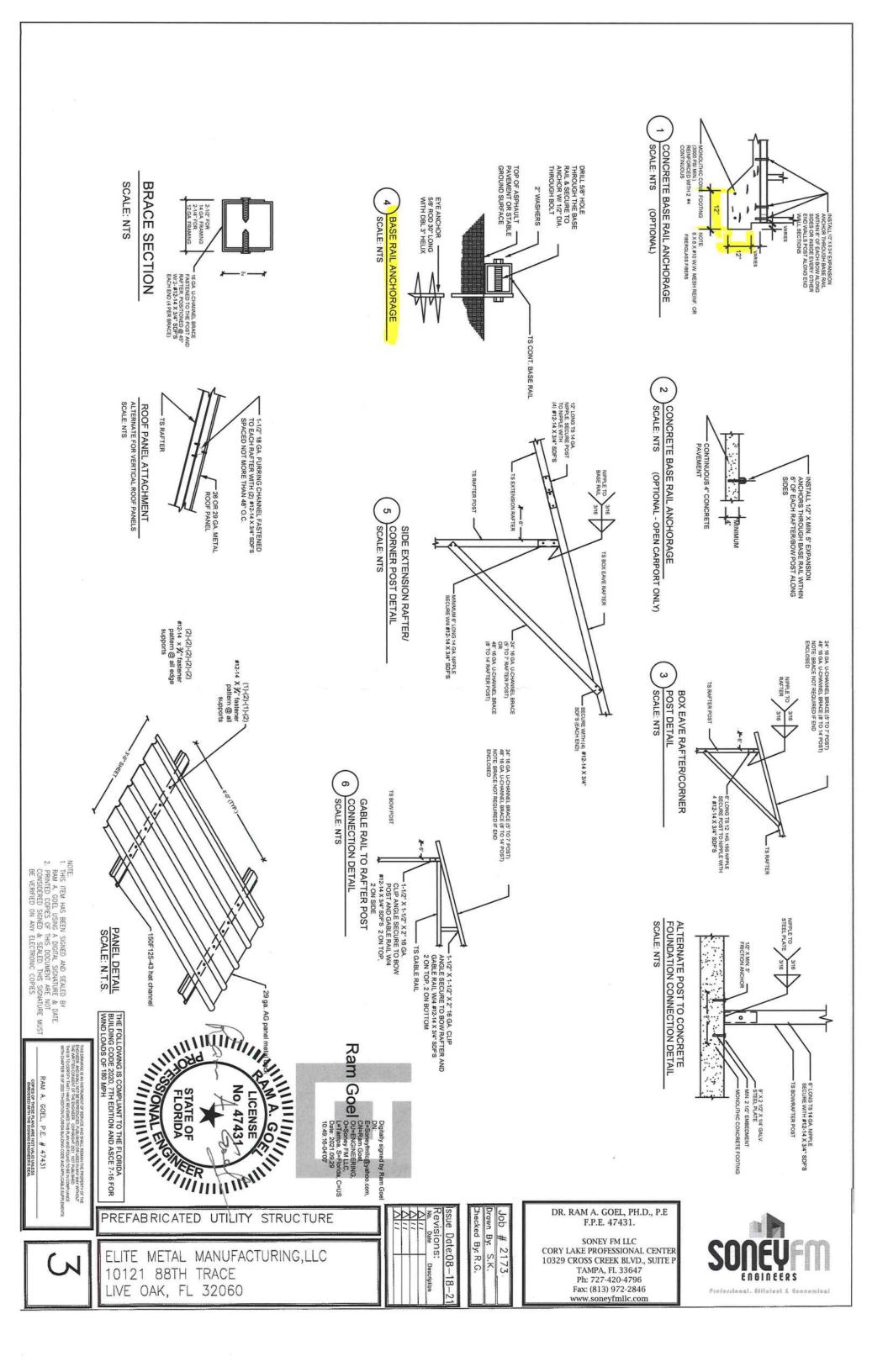
DR. RAM A. GOEL, PH.D., P.E F.P.E. 47431.

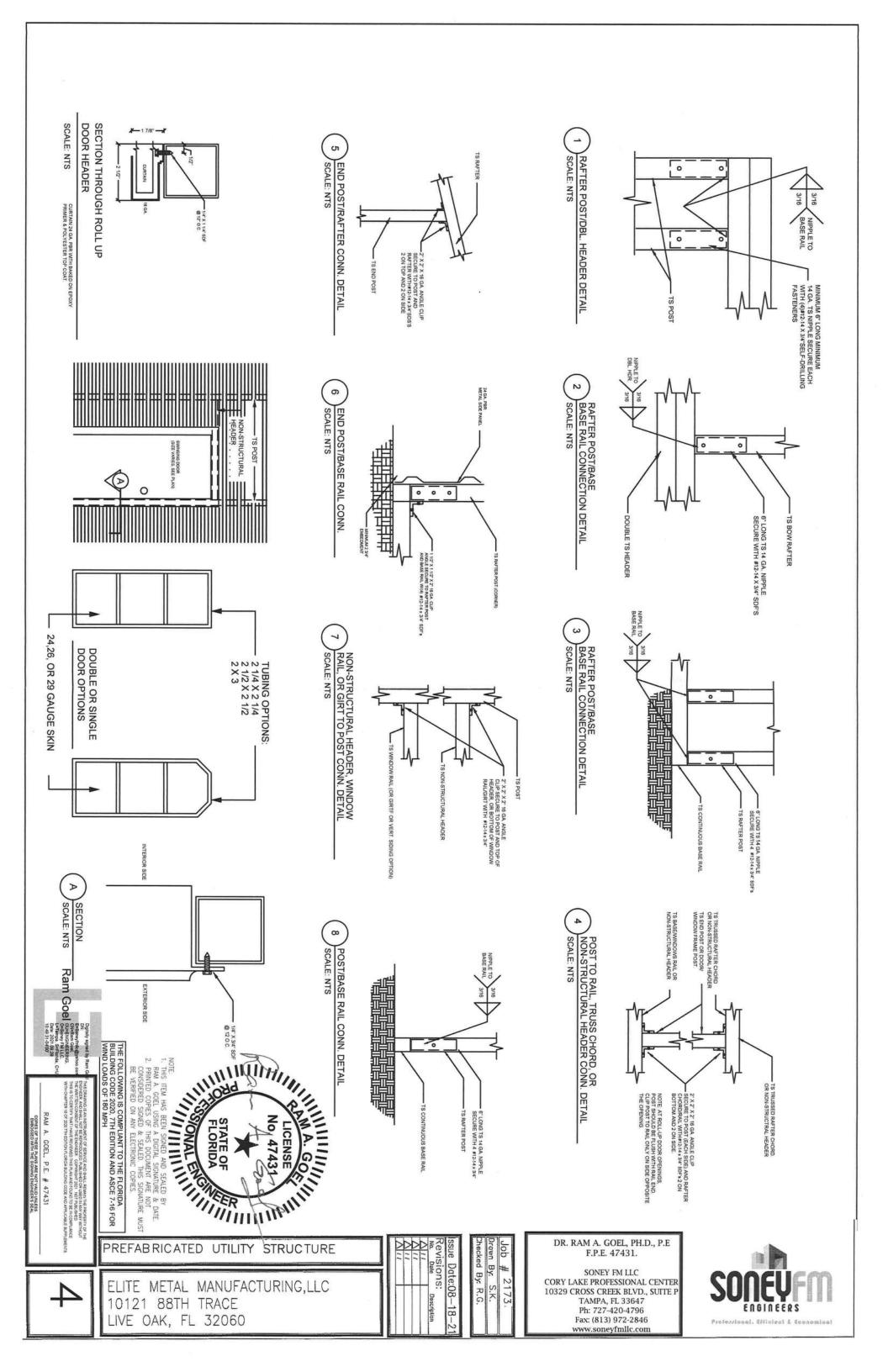
SELF DRILLING

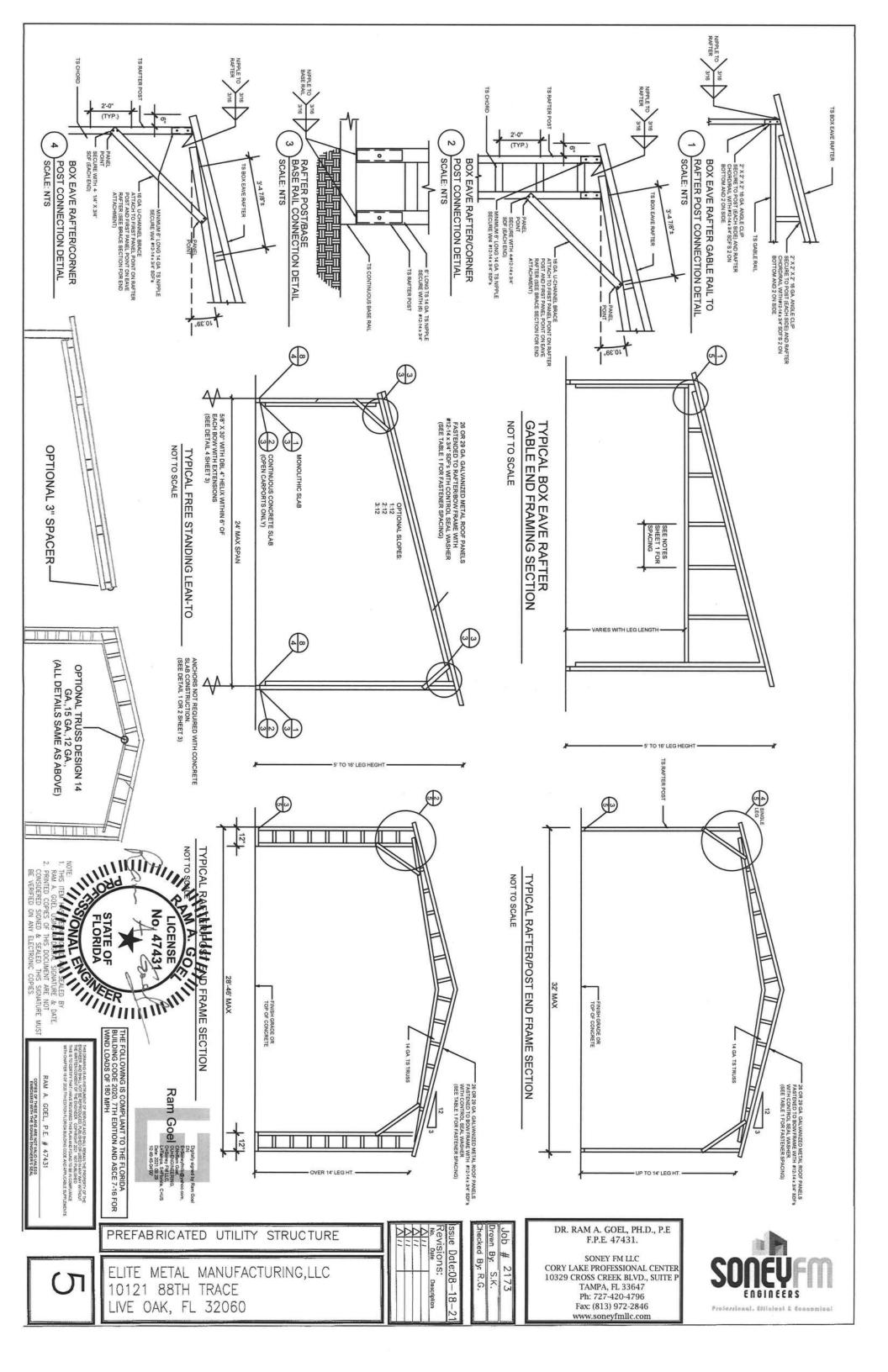
SONEY FM LLC CORY LAKE PROFESSIONAL CENTER 10329 CROSS CREEK BLVD., SUITE F TAMPA, FL 33647 Ph: 727-420-4796 Fax: (813) 972-2846 www.soneyfmllc.com











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

> CONTINUOUS MONOLITHIC FOOTER CONG FOOTING 刘 NOTE:
> 6 X6 X #10 WW MESH REINF. OR FIBERGLASS FIBERS
> 6 MIL PLASTIC MEMBRANE
> WELL COMPACTED EARTH FILL 95% PROCTOR (TYP.)

SCALE: NTS

CONCRETE:
CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGT

COVER OVER REINFORCING STEEL TH OF 3000 PSI AT 28 DAYS.

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE: 3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PREMANENTLY 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 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 SH ALL NOT BE FIELD BENT.

EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN BARS WITH A VERTICAL CELL, BARS PARTIALL 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.



URE MUST DATE

RAM A. GOEL, P.E. # 47431

CONCRETE

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

1	>	2	2	₹evi	ssue
,	'	,	-	Sions:	Date:08
				Description	8-18-2

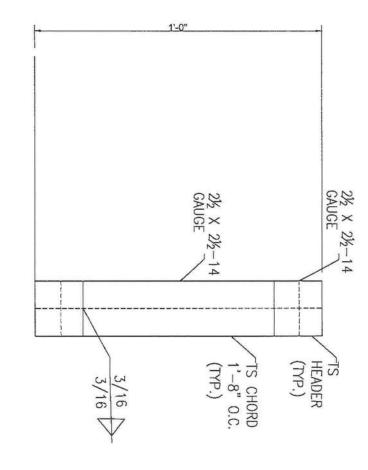
Checked	Drawn	Job
d By:	Ву	#
y. R.G.	S.K.	2173

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

SONEY FM LLC CORY LAKE PROFESSIONAL CENTER 10329 CROSS CREEK BLVD., SUITE F TAMPA, FL 33647 Ph: 727-420-4796 Fax: (813) 972-2846 www.soneyfmllc.com

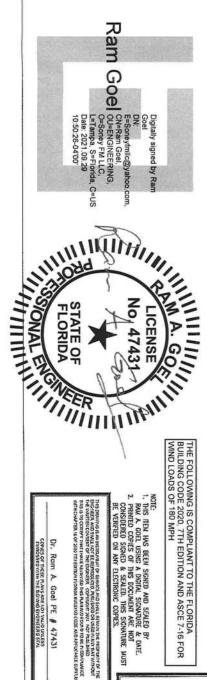


OPTIONAL HEADER



HEADER DETAIL FOR DOOR

OPENINGS 12'-0" < LENGTH < 20'-0"



OPTIONAL HEADER

10121 88TH TRACE LIVE OAK, FL 32060

ELITE METAL MANUFACTURING,LLC

Job # 2173

Drawn By S.K.

Checked By R.G.

Ssue Date:08-18-2

Revisions:
No. Dale

Description

A ///

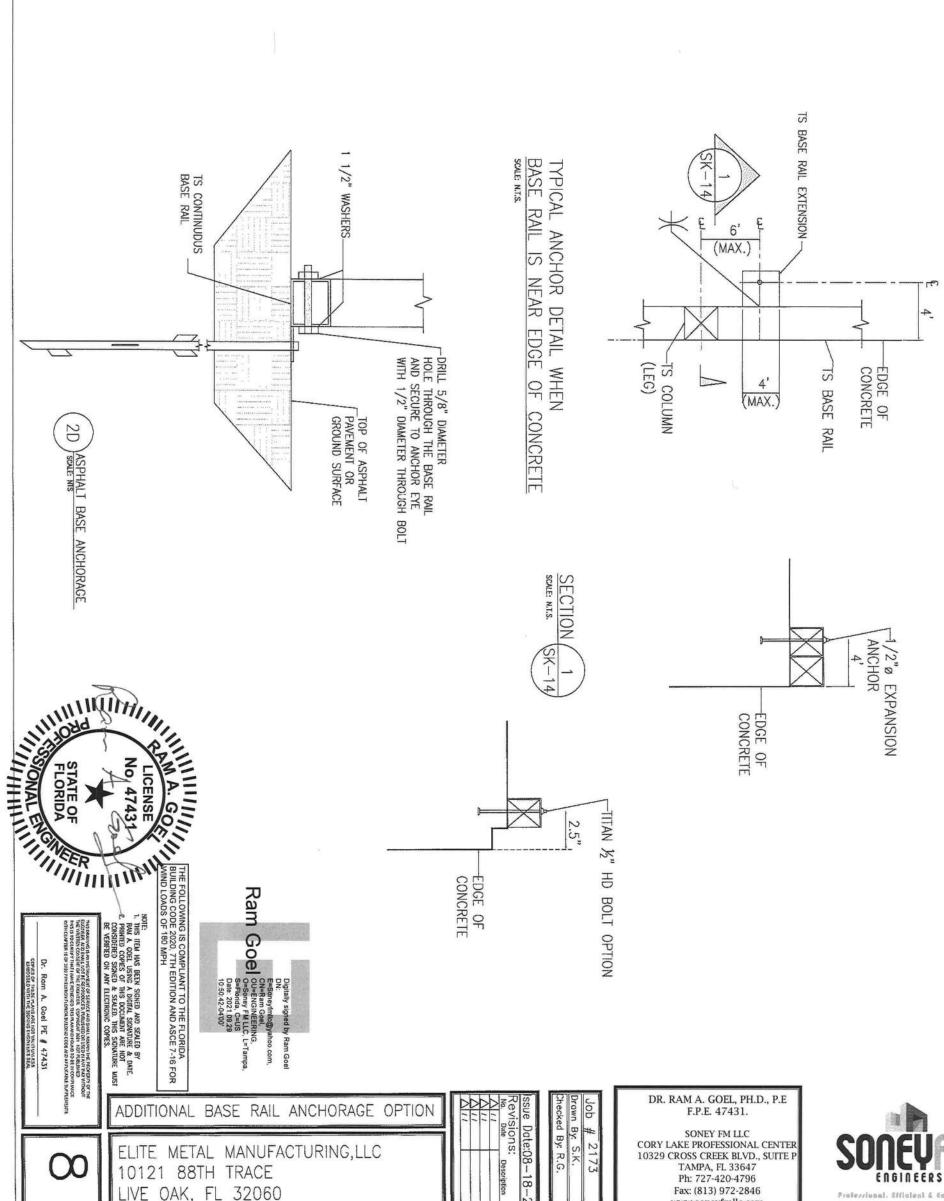
DR. RAM A. GOEL, PH.D., P.E F.P.E. 47431. SONEY FM LLC CORY LAKE PROFESSIONAL CENTER 10329 CROSS CREEK BLVD., SUITE P TAMPA, FL 33647 Ph: 727-420-4796 Fax: (813) 972-2846 www.soneyfmllc.com



Professional, Efficient & Economical

Fax: (813) 972-2846

www.soneyfmllc.com



10121 88TH TRACE LIVE OAK, FL 32060