

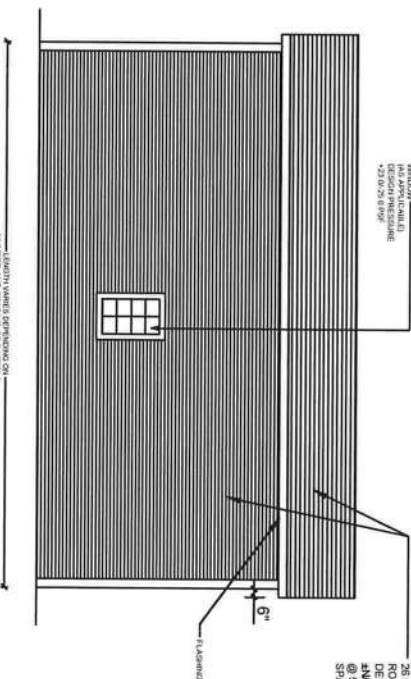
TABLE 1
ANCHOR AND
SPECIFICATI

NOTES:

1. SPECIFICATIONS APPLICABLE TO 26 OR 30 GAUGE METAL PANELS FASTENED DIRECTLY TO STEEL GAUGE STEEL TIE DOWN FRAMES.
2. FASTENERS CONSIST OF ¹/₂" DIA. SELF-DRILLING SCREWS WITH CONTROL SEAL W/SHR.
3. SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20 FEET OR LESS, AND ROOF SLOPES OF 14:12 PITCH. SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.
4. GROUND ANCHOR REQUIREMENTS ARE: (a) EACH CORNER AND ONE EVERY OTHER INTERIOR BOWMAFTER POST LOCATION, AT MAXIMUM OF 10' O.C., AND BOTH SIDES OF EACH POST WHERE BASE IS NOT ABSENT.
5. GROUND ANCHORS ARE NOT REQUIRED WITH CONCRETE SLAB CONSTRUCTION.

EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS, AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION:

1. ALL STEEL SHALL BE 50 KS STEEL.
2. FASTENERS IN EAVE ROOF AND WALL PANELS TO REMAIN WITH UP TO 3" MAX SELF DRILLING FASTENERS WITH CONTROL SEAL WASHER @ 6" O.C. MINIMUM
3. ALL FIELD CONNECTIONS SHALL BE "A-9" SELF DRILLING SCREWS.
4. ALL SHOP CONNECTIONS SHALL BE WELDED.
5. CONCRETE EXPANSION ANCHORS SHALL BE WEI-TAKER-TITE MODEL AT 1752, OR SLEEVE ANCHOR MODEL WEA 1280, OR CRYSTAL BOND TYPE OTHER EQUIVALENT. PROVIDE ANCHOR INSTALLATION AT A MINIMUM 10" OVER OTHER INTERFERING MATERIAL NOT LOCATED AT THE SAME LEVEL. PROVIDE ANCHORS ON BOTH SIDES OF JOINTS. PROVIDE ANCHORS AS NEARLY SPACED AS POSSIBLE. PROVIDE ANCHORS FOR CONCRETE TO FORMING ANCHOR CHAIRS TO PROVIDE FULL COMPRESSION FOR CONCRETE.
6. POSTMASTER BRACING: BRACE ON EVERY POSTMASTER CONNECTION, EXCEPT FOR END WALLS.



TYPICAL SIDE ELEVATION-HORIZONTAL ROOF
SCALE: NOT TO SCALE



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

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RAW A. GOEL, P.F. # 4743

patients are being treated with IVABOXIL.

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10121 88TH TRACE
LIVE OAK, FL 32060

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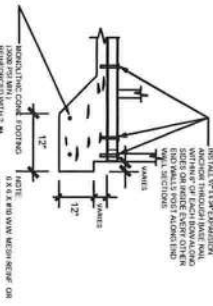


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ENGINEERS

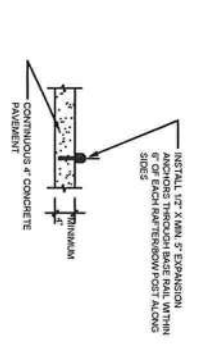
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Checked By: R.G.

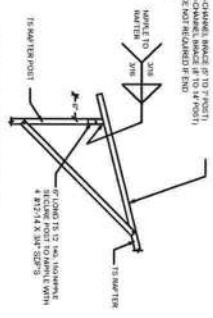
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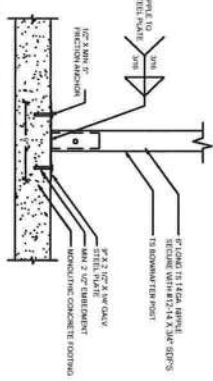
1 CONCRETE BASE RAIL ANCHORAGE
SCALE: NTS (OPTIONAL)



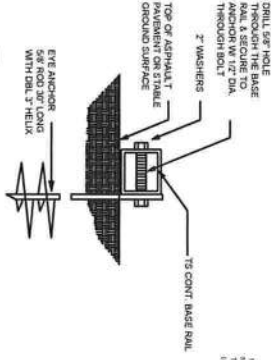
2 CONCRETE BASE RAIL ANCHORAGE
SCALE: NTS (OPTIONAL - OPEN CARPORT ONLY)



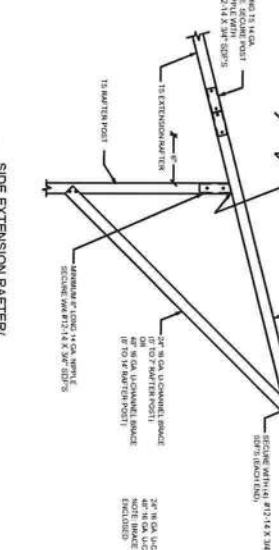
3 BOX EAVE RAFTER/CORNER POST DETAIL
SCALE: NTS



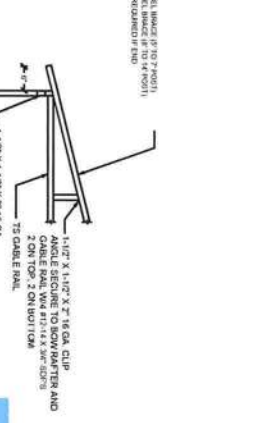
4 ALTERNATE POST TO CONCRETE FOUNDATION CONNECTION DETAIL
SCALE: NTS



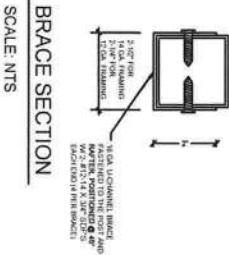
5 DRILL 1/2\"/>



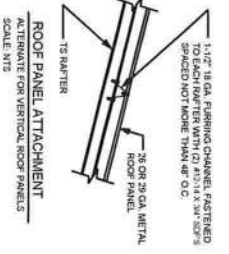
6 SIDE EXTENSION RAFTER/CORNER POST DETAIL
SCALE: NTS



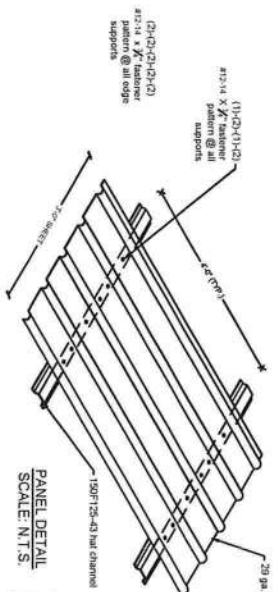
7 GABLE RAIL TO RAFTER POST CONNECTION DETAIL
SCALE: NTS



8 BRACE SECTION
SCALE: NTS



9 ROOF PANEL ATTACHMENT
SCALE: NTS



10 PANEL DETAIL
SCALE: NTS

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THE FOLLOWING IS COMPLIANT TO THE FLORIDA
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MINI CODE OF 1990 EDITION.

RAM A. GOEL, P.E. # 47431
CITY OF TAMPA, FLORIDA
COUNTY OF HILLSBOROUGH



Ram Goel
DR. Ram A. Goel, P.E.
4040 S. 11th Ave.
Tampa, FL 33629
Date: 02/11/2023
10:49:16 AM

PREFABRICATED UTILITY STRUCTURE

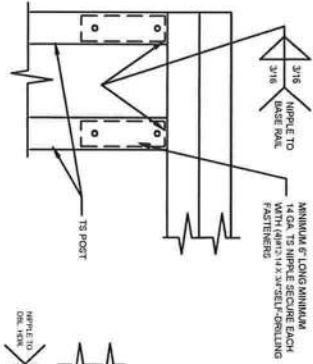
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LIVE OAK, FL 32060

Revisions:	By:	Date:	Description:
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2	RAM	02/11/2023	Issue Date 02/11/2023
3	RAM	02/11/2023	Issue Date 02/11/2023
4	RAM	02/11/2023	Issue Date 02/11/2023
5	RAM	02/11/2023	Issue Date 02/11/2023
6	RAM	02/11/2023	Issue Date 02/11/2023
7	RAM	02/11/2023	Issue Date 02/11/2023
8	RAM	02/11/2023	Issue Date 02/11/2023
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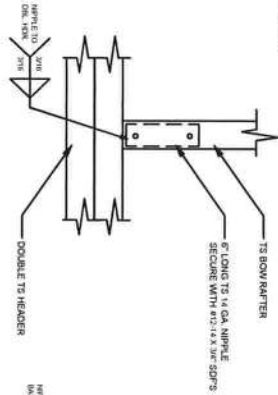
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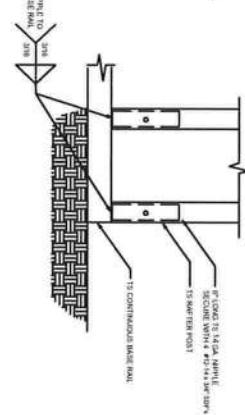
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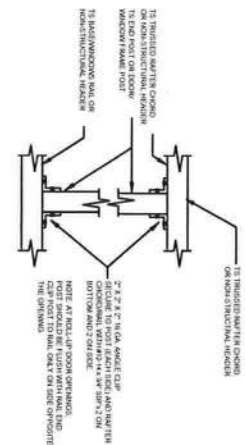
1 RAFTER POST/BL. HEADER DETAIL
SCALE: NTS



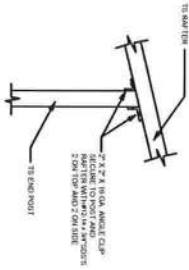
2 RAFTER POSTBASE
BASE RAIL CONNECTION DETAIL
SCALE: NTS



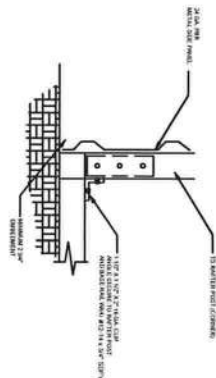
3 RAFTER POSTBASE
BASE RAIL CONNECTION DETAIL
SCALE: NTS



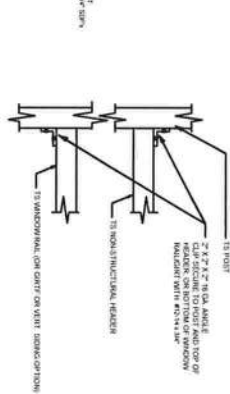
4 POST TO RAIL, TRUSS CHORD, OR
NON-STRUCTURAL HEADER CONNECTION DETAIL
SCALE: NTS



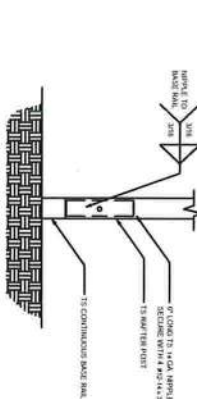
5 END POST/RAFTER CONNECTION DETAIL
SCALE: NTS



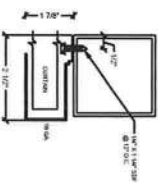
6 END POST/BASE RAIL CONNECTION
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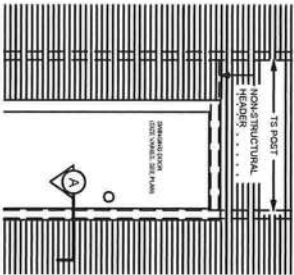
7 NON-STRUCTURAL HEADER, WINDOW
RAIL, OR GIRT TO POST CONNECTION DETAIL
SCALE: NTS



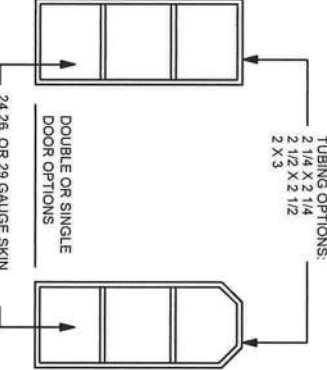
8 POST/BASE RAIL CONNECTION DETAIL
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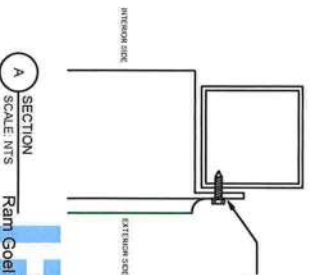
9 SECTION THROUGH ROLL UP
DOOR HEADER
SCALE: NTS



10 SECTION THROUGH ROLL UP
DOOR HEADER
SCALE: NTS



11 DOUBLE OR SINGLE
DOOR OPTIONS
SCALE: NTS



12 SECTION
SCALE: NTS

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

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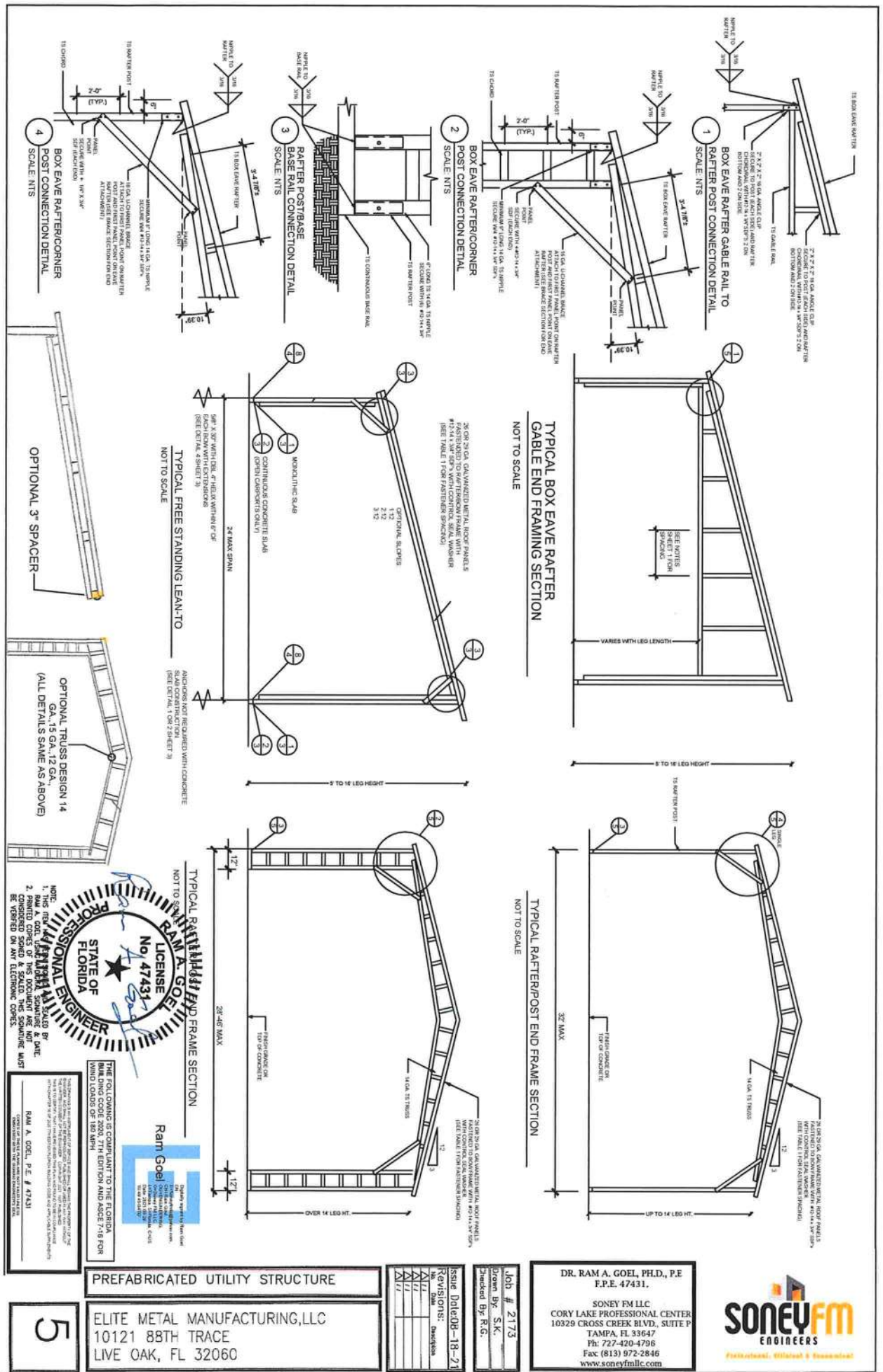
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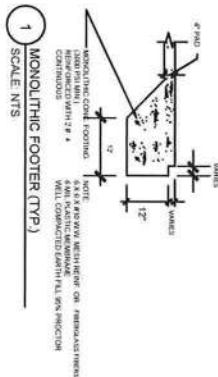
Issue Date:	08-18-21
Revisions:	
By	Description
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DR. RAM A. GOEL, PH.D., P.E.
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4" CONC. SLAB
6 X 6 #10 W.W. MESH REINF. -
FIBERMESH OPTIONAL
6 MIL PLASTIC MEMBRANE
WELL COMPACTED EARTH FILL 95% PROCTOR
TREAT SOIL FOR TERMITES

CONCRETE 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 EARTH OR EXPOSED TO THE EARTH OR WEATHER. FOR WALLS, MINIMUM CONCRETE COVER SHALL BE 2 INCHES. REINFORCING BARS 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 A FACE EXPOSED TO EARTH OR WEATHER, 1 1/2" FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER.

REINFORCING STEEL

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 COUD

2. THE RADIUS OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN 8-BAR

3. 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 A SLOPE NOT MORE THAN 1° OF THE HORIZONTAL DISPLACEMENT TO 5° OF VERTICAL BAR LENGTH.



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

RAW A. GOEL, P.E. # 47431

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CONCRETE

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10121 88TH TRACE
LIVE OAK, FL 32060

9

Revisions:		
No.	Date	Description
Δ 11		
Δ 11		
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Job # 2173
Drown By: S.K.
Checked By: R.G.

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

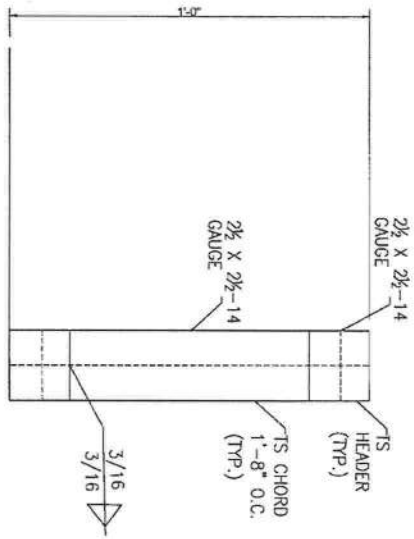
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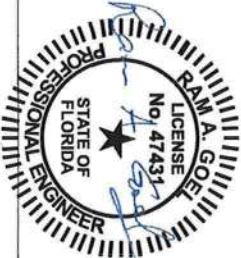
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OPTIONAL HEADER



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



THE FOLLOWING IS COMPLIANT TO THE FLORIDA
BUILDING CODE, 2011 EDITION AND ASCE 7-10 FOR
WIND LOADS OF 150 MPH.

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TEL: (813) 972-2846 FAX: (813) 972-2846
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OPTIONAL HEADER

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7

Issue Date	08-18-21
Revisions:	
1	1/1
2	1/1
3	1/1
4	1/1
5	1/1

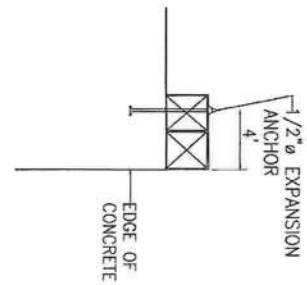
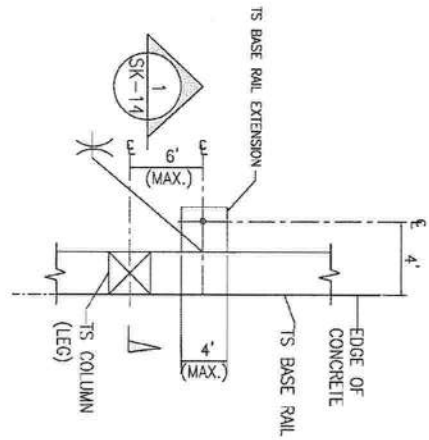
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Drawn By: S.K.
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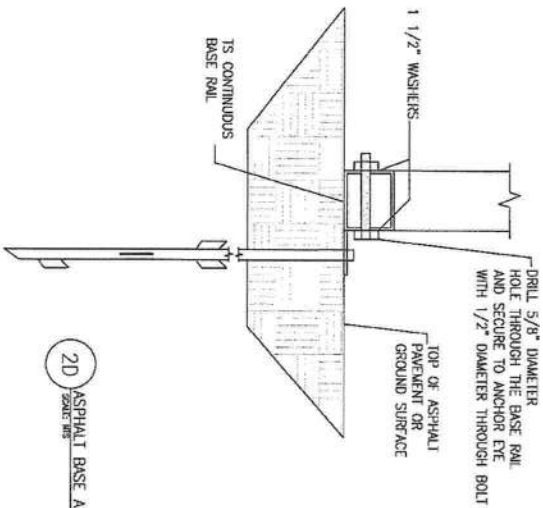
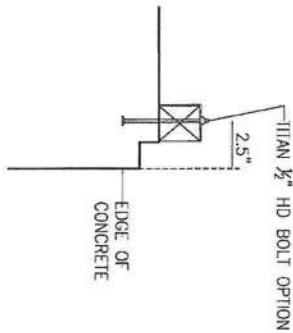


ADDITIONAL BASE RAIL ANCHORAGE OPTION

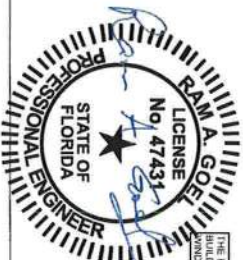


TYPICAL ANCHOR DETAIL WHEN
BASE RAIL IS NEAR EDGE OF CONCRETE
SCALE N.T.S.

SECTION
SK-14
SCALE N.T.S.



2D
ASPHALT BASE ANCHORAGE
SCALE N.T.S.



THE TOTAL LOADS IS COMPLIANT TO THE FLORIDA
BUILDING CODE, SECTION AND ASIDE 7-18 FOR
WIND LOADS OF 180 MPH



ADDITIONAL BASE RAIL ANCHORAGE OPTION

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Issue	Date	Description
1	08-18-21	Issue
2		Revisions
3		Revisions
4		Revisions
5		Revisions

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

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F.P.E. 47431.

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