

# PRODUCT APPROVAL SPECIFICATION SHEET

LOCATION: Columbia County

PROJECT NAME: Zach Harmon

As required by Florida Statue 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number (s) on the bldg components listed below if they will be utilized on the construction project for which you are applying for. We recommend you contact your local product supplier should you not know the product approval number for any of the applicabel listed products. More information about statewide product approval can be obtained at [www.floridabuilding.org](http://www.floridabuilding.org)

| CATEGORY                 | MANUFACTURER         | PRODUCT DESCRIPTION | APPROVAL NUMBER   |
|--------------------------|----------------------|---------------------|-------------------|
| <b>A. EXTERIOR DOORS</b> |                      |                     |                   |
| 1. SWINGING              | <u>Elixir</u>        | <u>36x80</u>        | <u>FL.17996.5</u> |
| 2. SLIDING               |                      |                     |                   |
| 3. SECTIONAL             |                      |                     |                   |
| 4. ROLL UP               | <u>Janus Roll-up</u> | <u>10x10</u>        | <u>FL.12765.8</u> |
| 5. AUTOMATIC             |                      |                     |                   |
| 6. OTHER                 |                      |                     |                   |
| <b>B. WINDOWS</b>        |                      |                     |                   |
| 1. SINGLE HUNG           |                      |                     |                   |
| 2. HORIZONTAL SLIDER     |                      |                     |                   |
| 3. CASEMENT              |                      |                     |                   |
| 4. DOUBLE HUNG           |                      |                     |                   |
| 5. FIXED                 |                      |                     |                   |
| 6. AWNING                |                      |                     |                   |
| 7. PASS-THROUGH          |                      |                     |                   |
| 8. PROJECTED             |                      |                     |                   |
| 9. MULLION               |                      |                     |                   |
| 10. WIND BREAKER         |                      |                     |                   |
| 11. DUAL ACTION          |                      |                     |                   |
| 12. OTHER                |                      |                     |                   |
| <b>C. PANEL WALL</b>     | <u>Elite metal</u>   | <u>5' On Center</u> | <u>FL.39594.2</u> |
| 1. SIDING                |                      |                     |                   |
| 2. SOFFIT                |                      |                     |                   |
| 3. EIFS                  |                      |                     |                   |
| 4. STOREFRONTS           |                      |                     |                   |
| 5. CURTAIN WALLS         |                      |                     |                   |
| 6. WALL LOUVER           |                      |                     |                   |
| 7. GLASS BLOCK           |                      |                     |                   |
| 8. MEMBRANE              |                      |                     |                   |
| 9. GREENHOUSE            |                      |                     |                   |
| 10. OTHER                |                      |                     |                   |
| <b>D. ROOF PRODUCT</b>   | <u>Elite metal</u>   | <u>5' On Center</u> | <u>FL.34966.1</u> |
| 1. ASPHALT SHINGLES      |                      |                     |                   |
| 2. UNDERLAYMENT          |                      |                     |                   |

| TABLE 1<br>BOW/RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING<br>SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                              |                             |                                                      |                                                                                                    |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|-----------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------|
| RISK CATEGORY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | WIND EXPOSURE<br>CATEGORY | ULTIMATE WIND SPEED<br>(MPH) | NOMINAL WIND SPEED<br>(MPH) | MAXIMUM RAFTER/BOW<br>AND END POST SPACING<br>(FEET) | AVERAGE FASTENER SPACING<br>ON-CENTERS ALONG RAFTERS OR<br>PURLINS, AND POSTS OR GIRTS<br>(INCHES) |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                              |                             |                                                      | INTERIOR<br>BOWS/RAFTERS                                                                           | END<br>BOWS/RAFTERS |
| I, II, III, or IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B, C, or D                | 115 TO 150                   | 89 TO 116                   | 5.0                                                  | 6                                                                                                  | 6                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           | 151 TO 180                   | 117 TO 139                  | 4.0                                                  | 6                                                                                                  | 6                   |
| NOTES: 1. SPECIFICATIONS APPLICABLE TO 26 OR 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 12,14 OR 15 GAUGE STEEL TUBE BOW FRAMES.<br>2. FASTENERS CONSIST OF #12-14X3/4" SDFS SELF-DRILLING SCREWS WITH CONTROL SEAL WASHER.<br>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.<br>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.<br>5. GROUND ANCHORS ARE NOT REQUIRED WITH CONCRETE SLAB CONSTRUCTION. |                           |                              |                             |                                                      |                                                                                                    |                     |

WINDOW AND DOOR NOTE

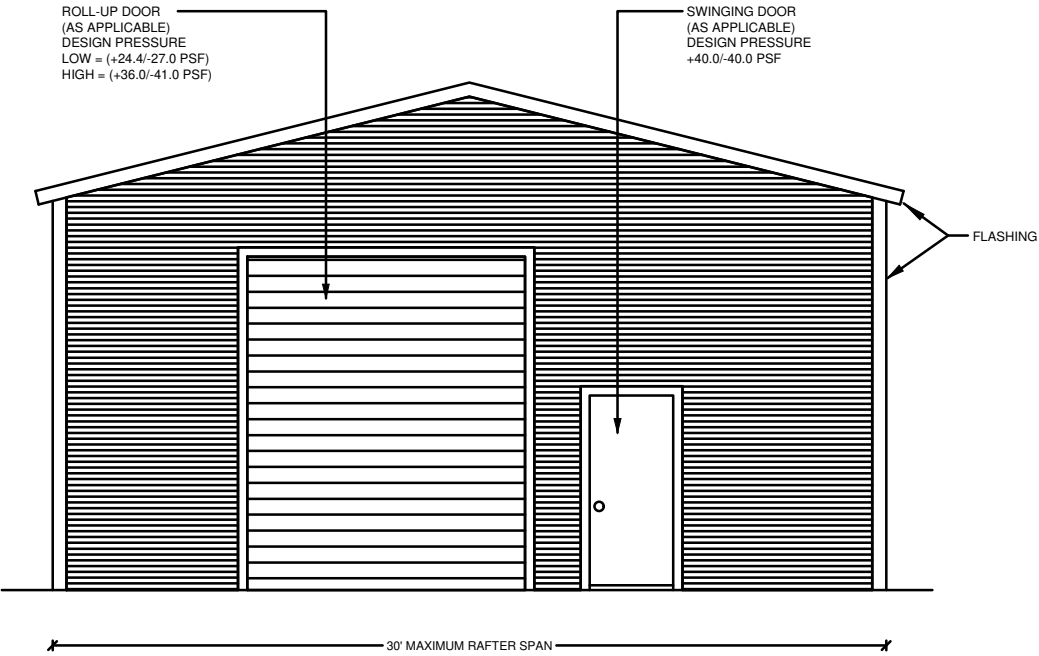
EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING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

ANSI/AAMA/NWDA 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.

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.

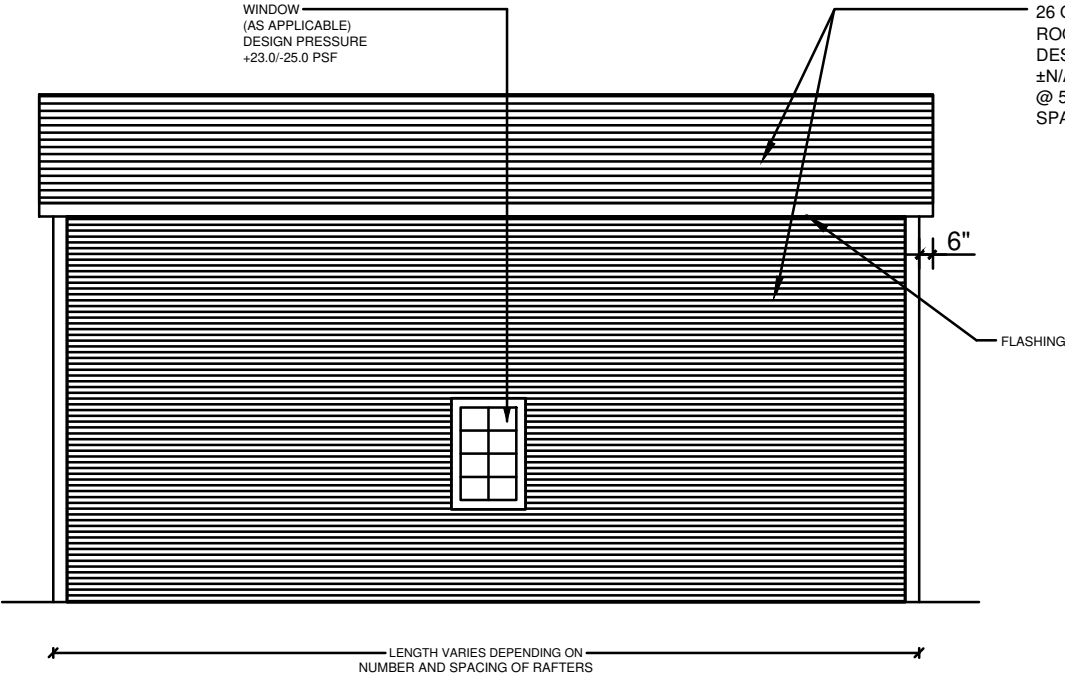
GENERAL NOTES:

- ALL STEEL SHALL BE 50 KSI STEEL.
- 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.
- ALL FIELD CONNECTIONS SHALL BE #12-14X3/4" SDFS SELF DRILLING SCREWS.
- ALL SHOP CONNECTIONS SHALL BE WELDED.
- CONCRETE EXPANSION ANCHORS SHALL BE WEJ-IT ANKR-TITE MODEL AT 1252, OR SLEEVE ANCHOR MODEL HSA 1260, OR EQUIVALENT. GROUND ANCHOR REQUIREMENTS ARE 1@ EACH CORNER & 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 FOR CONCRETE FOOTING AND/OR CONCRETE SLAB CONSTRUCTION.
- POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS.



TYPICAL END ELEVATION-HORIZONTAL ROOF

SCALE: NOT TO SCALE



TYPICAL SIDE ELEVATION-HORIZONTAL ROOF

SCALE: NOT TO SCALE

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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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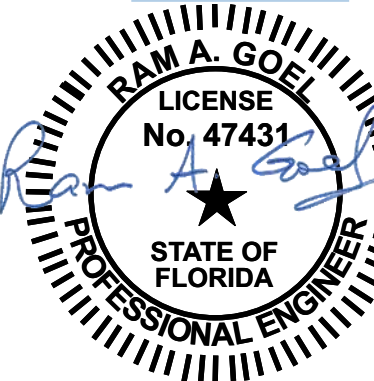


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Job # 2173  
Drawn By: S.K.  
Checked By: R.G.

| Issue Date:08-18-21 |      |             |
|---------------------|------|-------------|
| Revisions:          |      |             |
| No.                 | Date | Description |
| 1                   | 11   |             |
| 2                   | 11   |             |
| 3                   | 11   |             |
| 4                   | 11   |             |

Digitally signed by Ram Goel  
DN:  
E=Soneyfmllc@yahoo.com,  
CN=Ram Goel,  
OU=ENGINEERING,  
O=Soney FM LLC,  
L=Tampa, S=Florida, C=US  
Date: 2021.10.11  
14:14:50-04'00'



PREFABRICATED UTILITY STRUCTURE

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

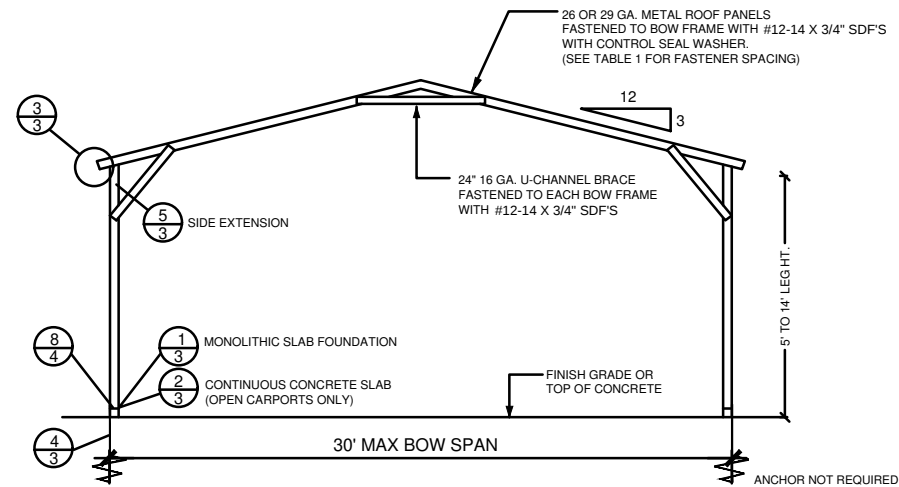
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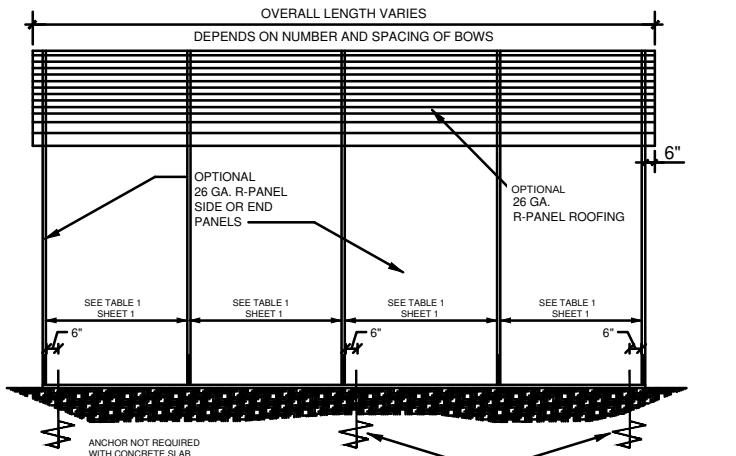
Issue Date: 08-18-21

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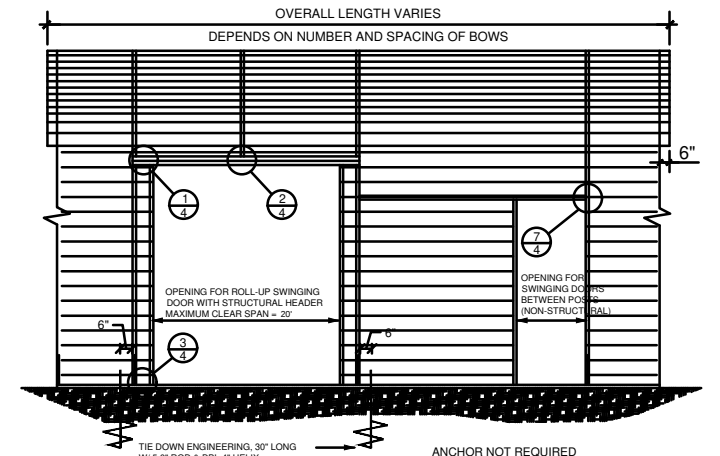
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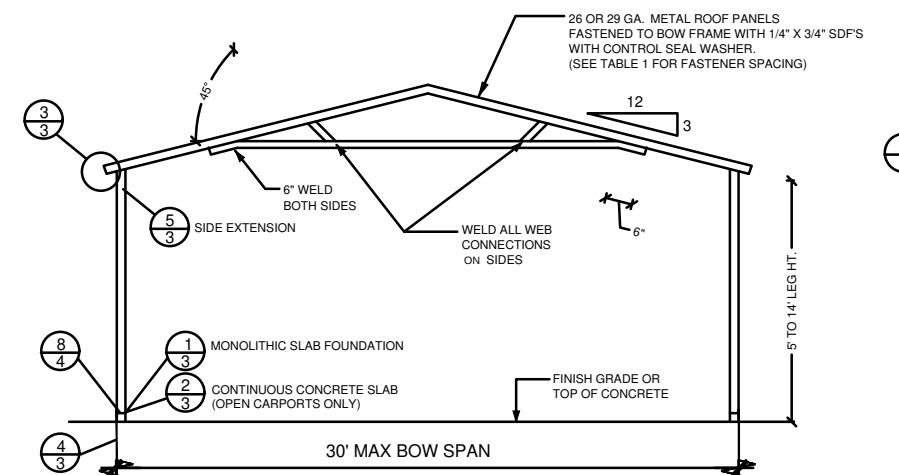
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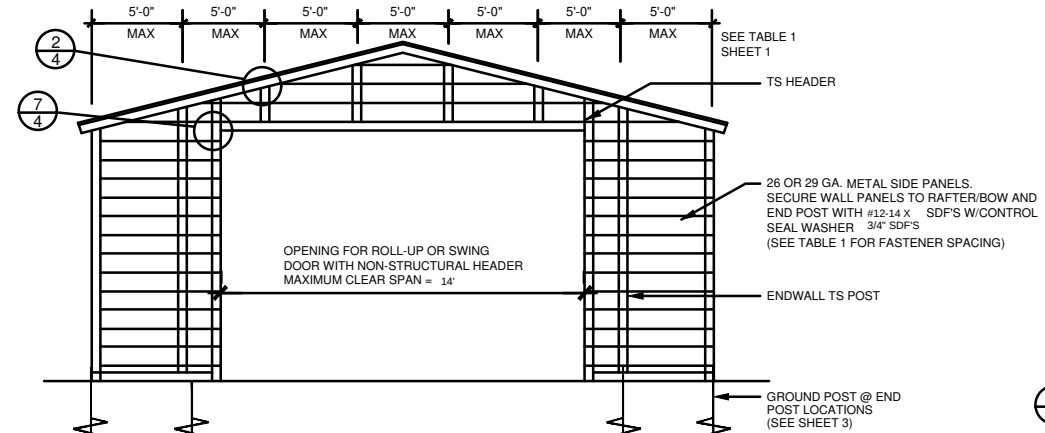
SIDE ELEVATION  
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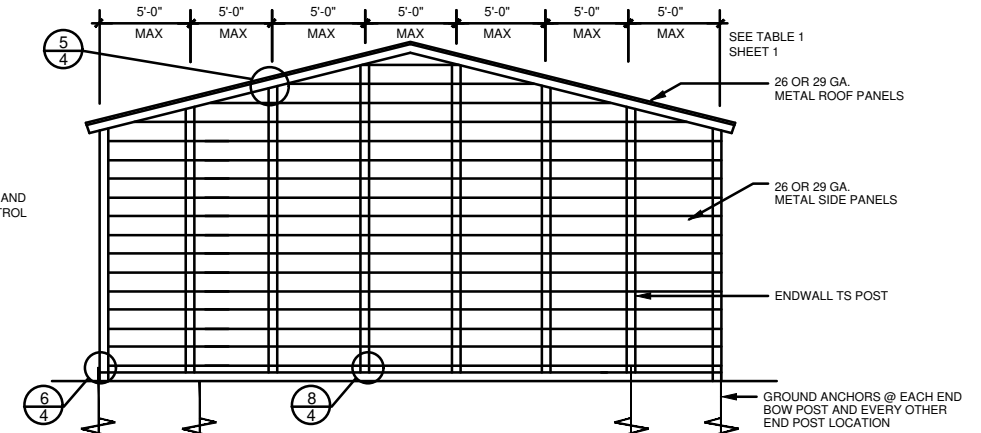
SIDE OPENINGS  
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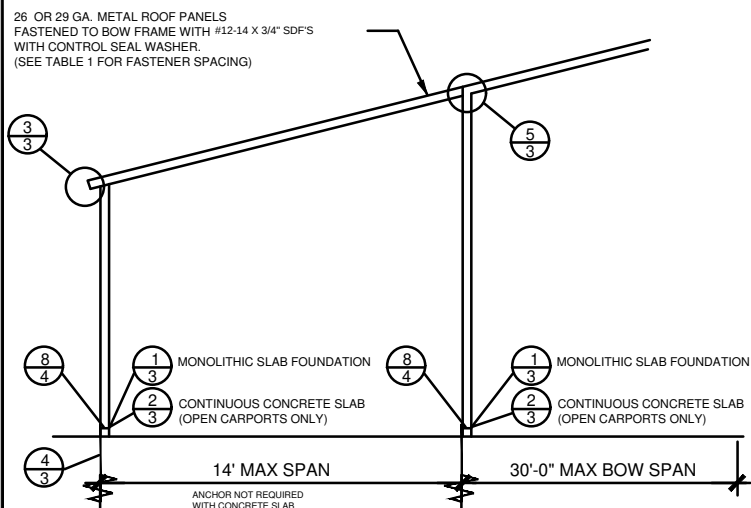
TRUSSED BOW SECTION  
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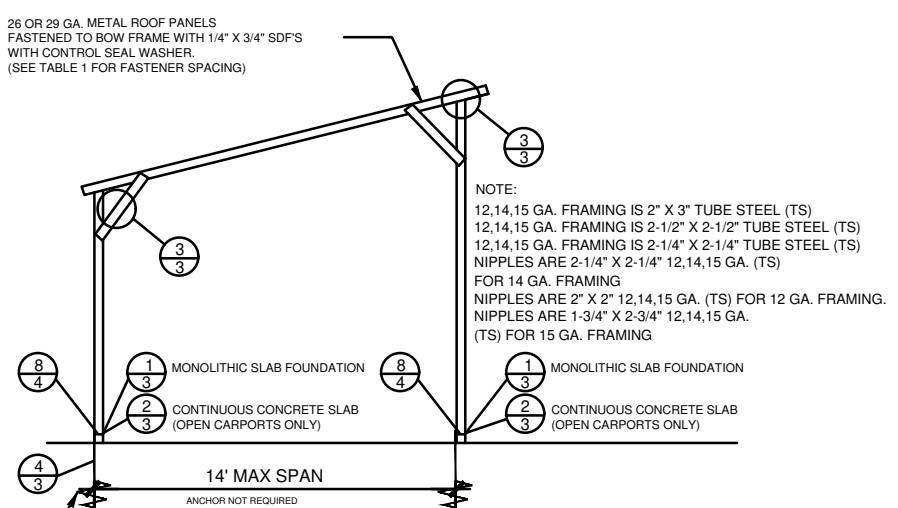
END WALL OPENING  
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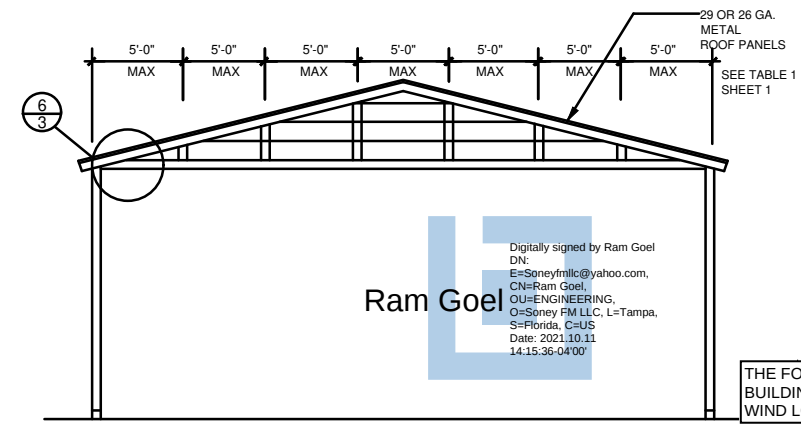
END WALL SECTION  
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TYPICAL SIDE EXTENSION SECTION  
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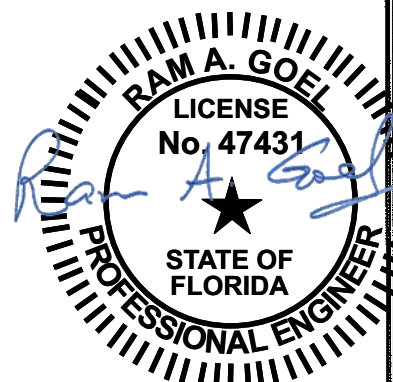


TYPICAL FREESTANDING LEAN-TO  
NOT TO SCALE



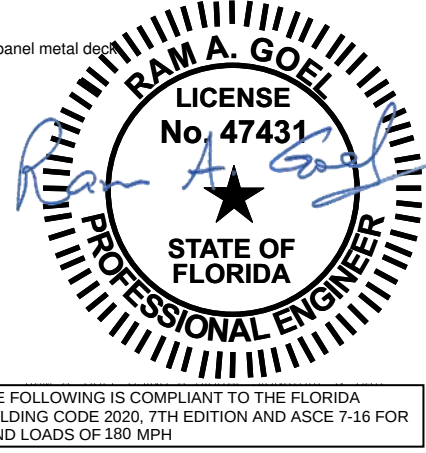
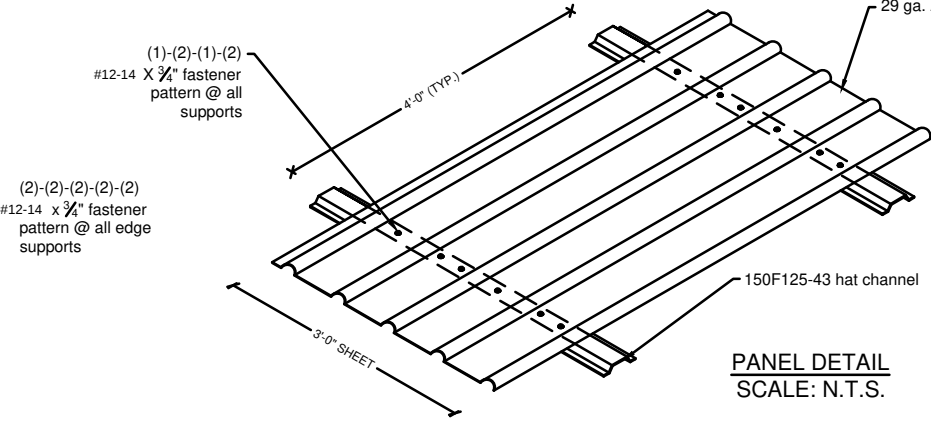
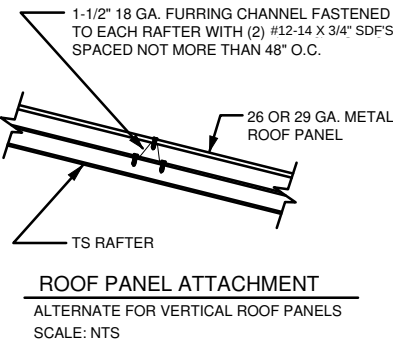
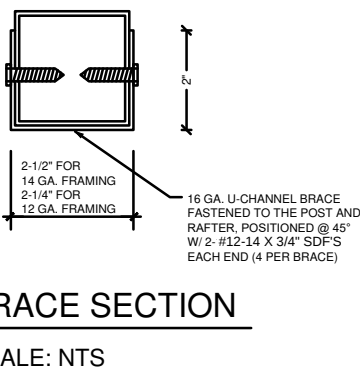
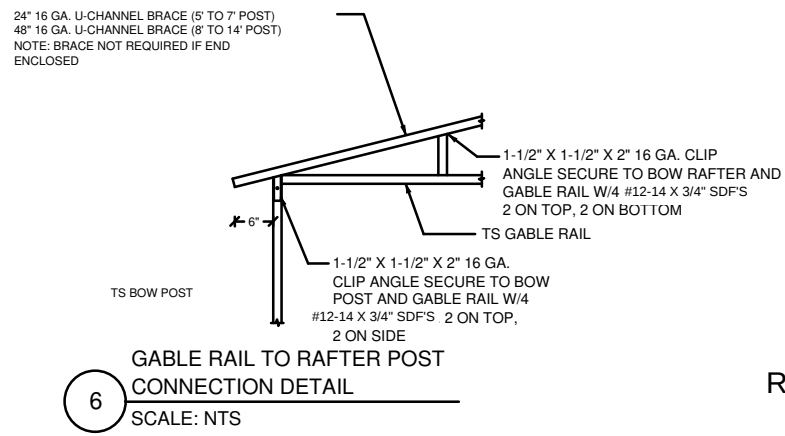
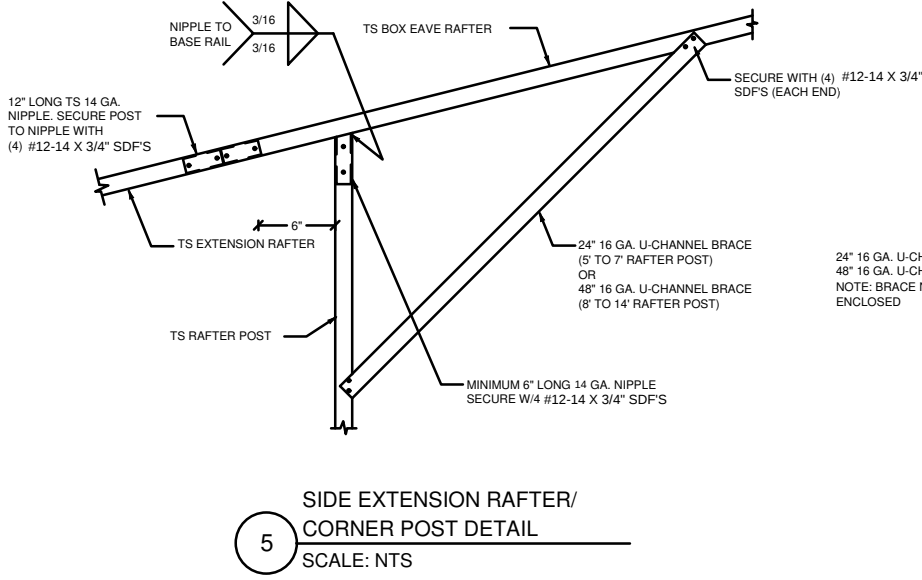
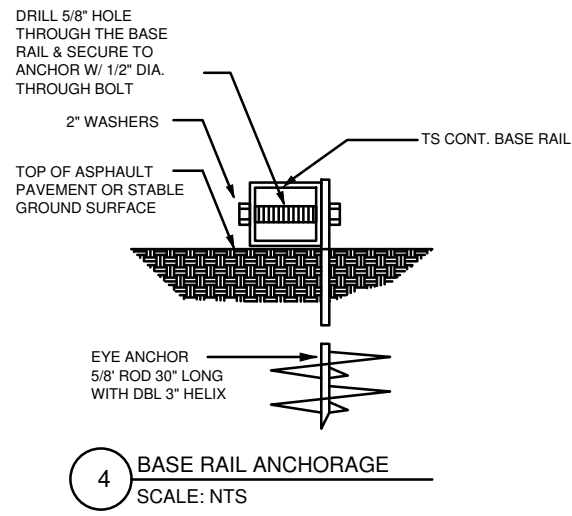
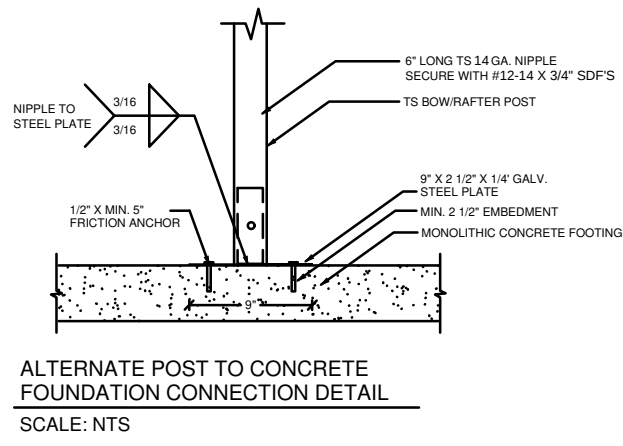
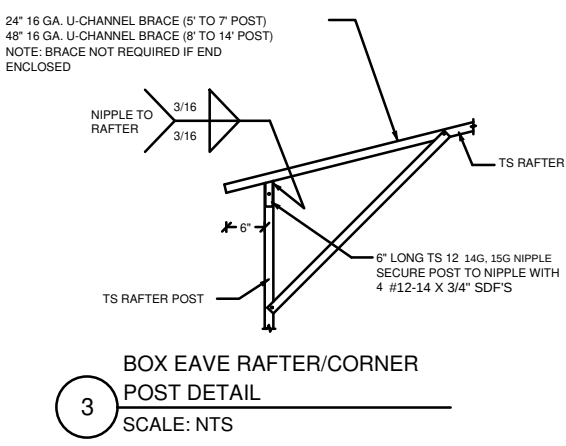
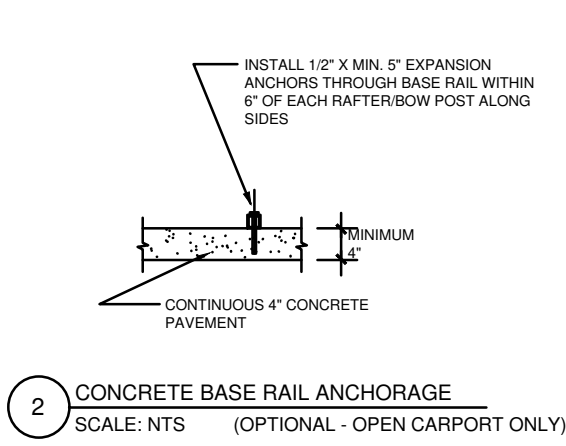
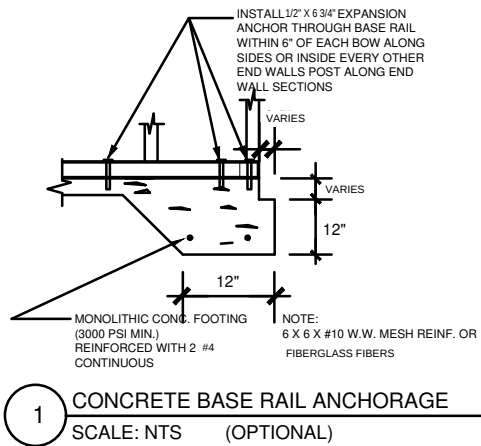
GABLED OPEN END WALL SECTION  
NOT TO SCALE

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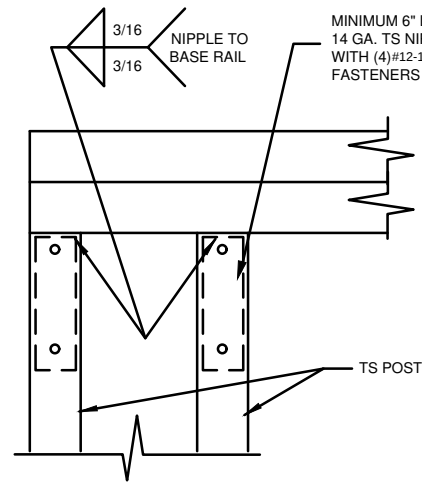
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Checked By: R.G.

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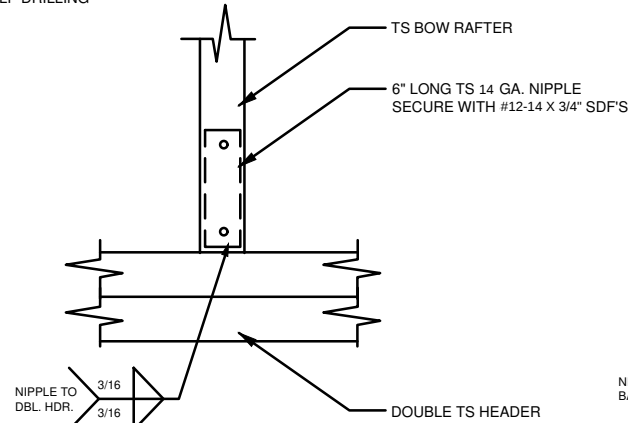
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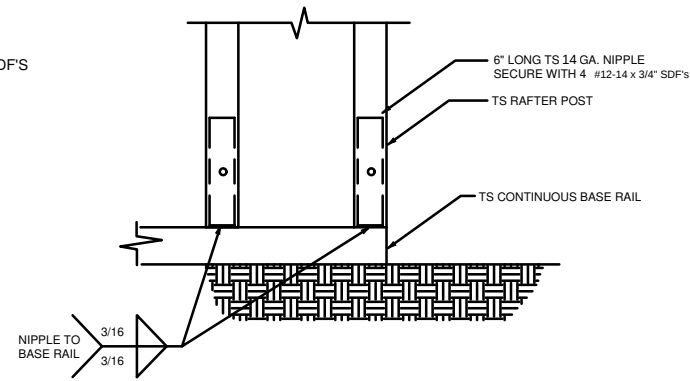
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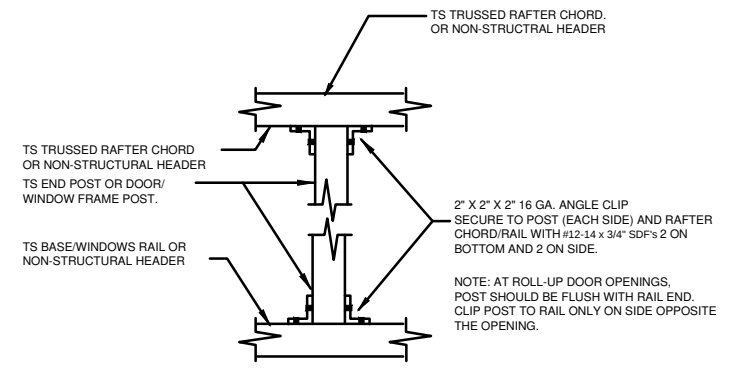
1 RAFTER POST/DBL. HEADER DETAIL  
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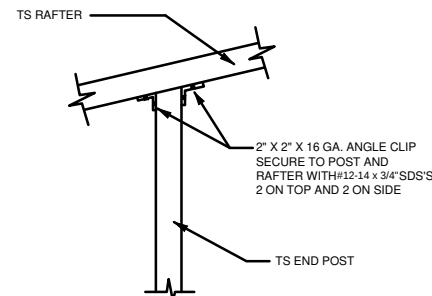
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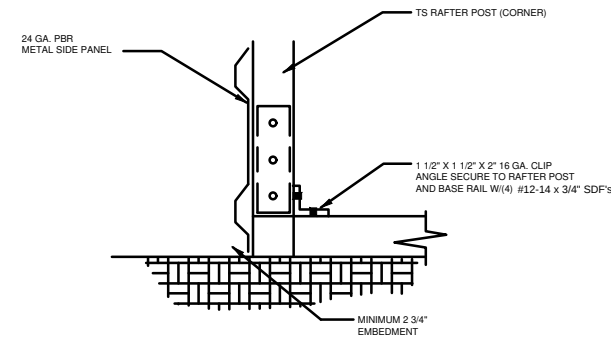
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BASE RAIL CONNECTION DETAIL  
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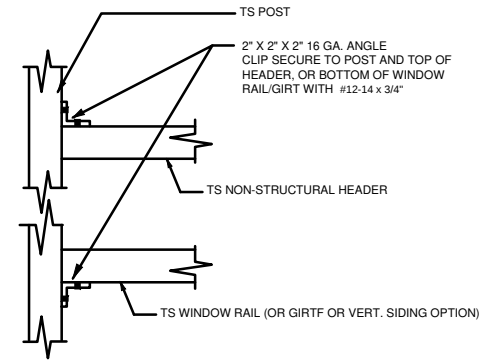
4 POST TO RAIL, TRUSS CHORD, OR  
NON-STRUCTURAL HEADER CONN. DETAIL  
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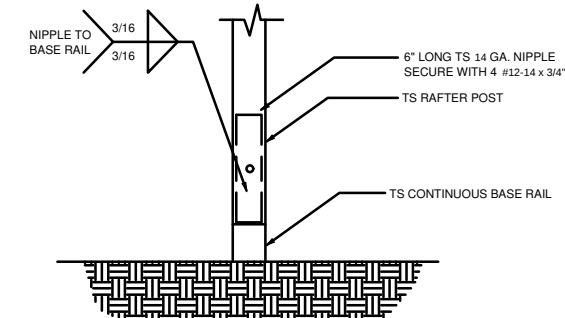
5 END POST/RAFTER CONN. DETAIL  
SCALE: NTS



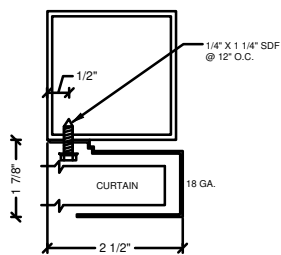
6 END POST/BASE RAIL CONN.  
SCALE: NTS



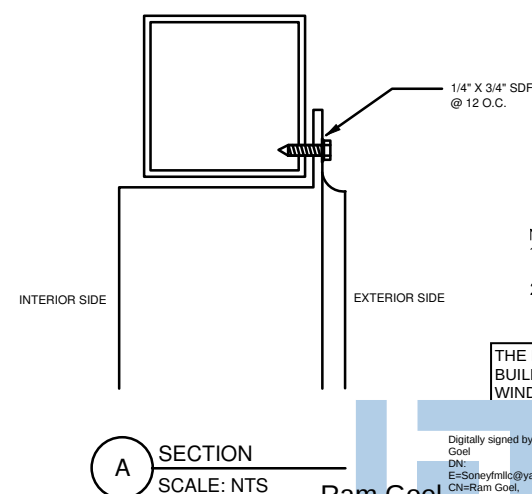
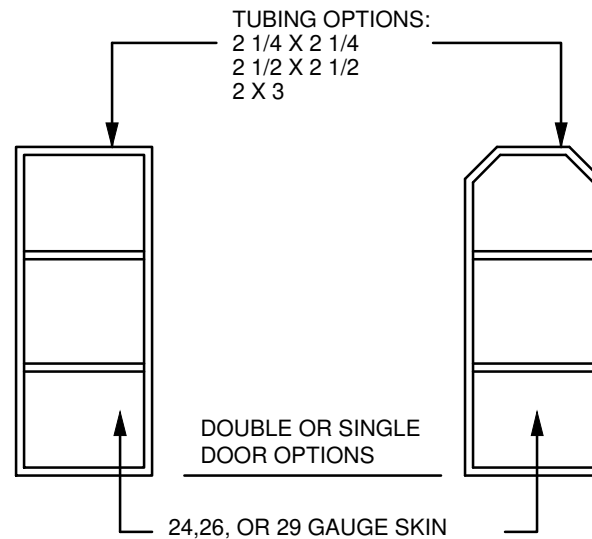
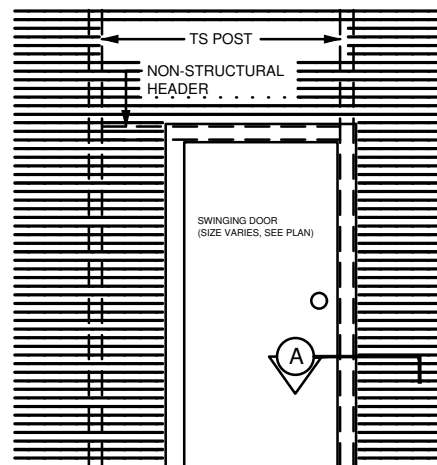
7 NON-STRUCTURAL HEADER, WINDOW  
RAIL, OR GIRT TO POST CONN. DETAIL  
SCALE: NTS



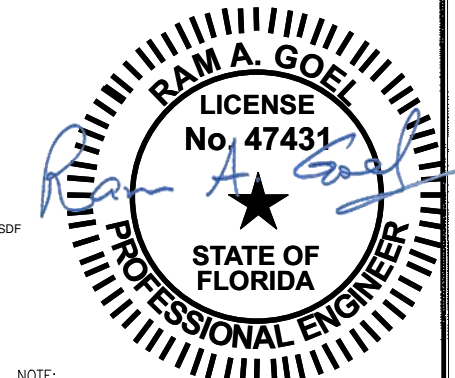
8 POST/BASE RAIL CONN. DETAIL  
SCALE: NTS



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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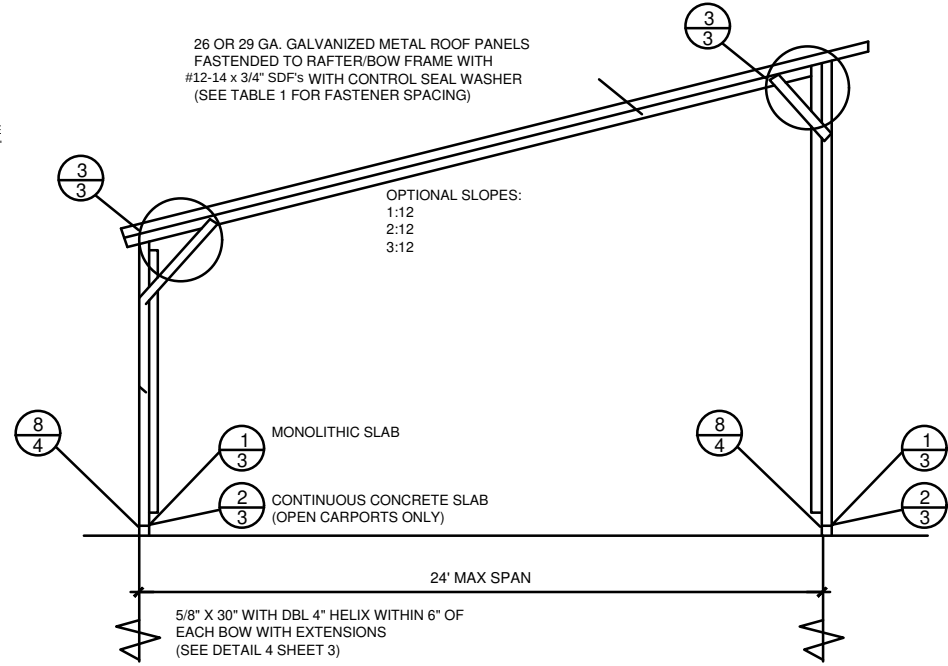
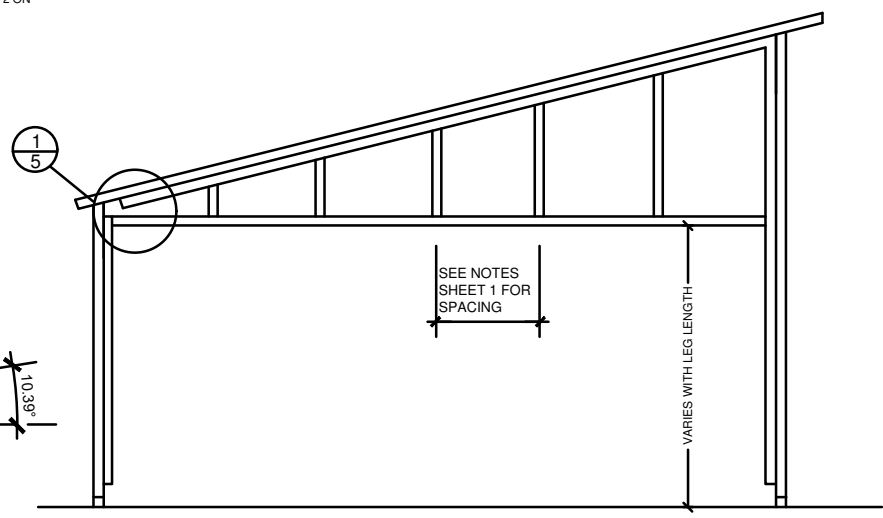
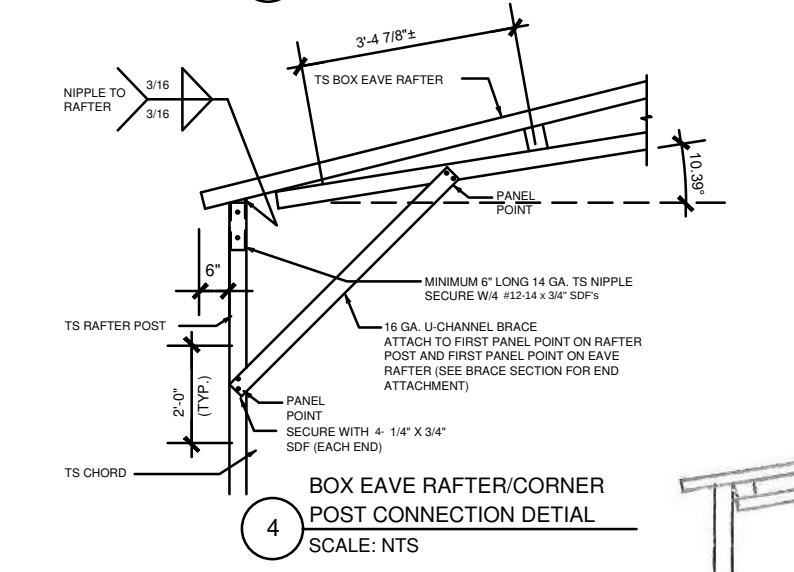
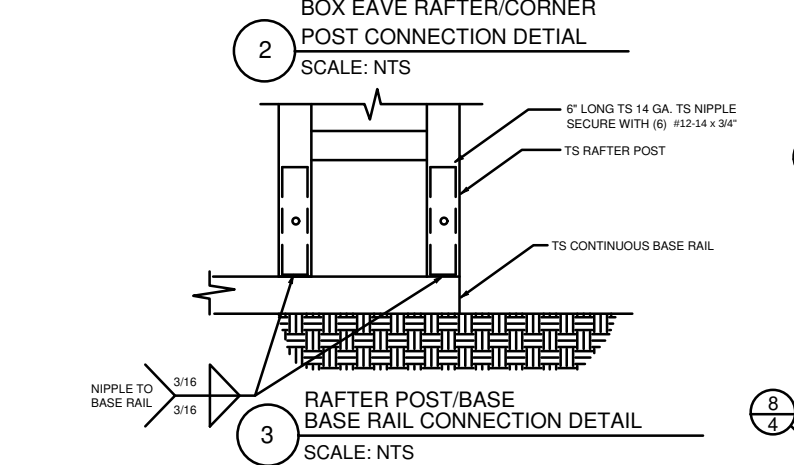
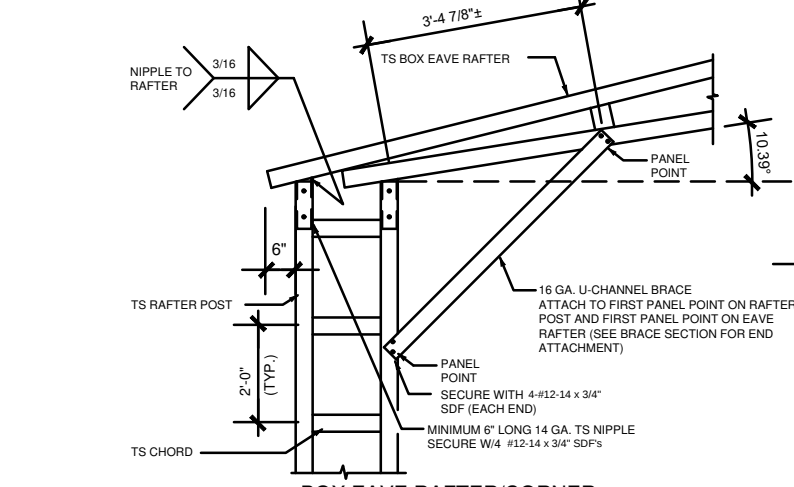
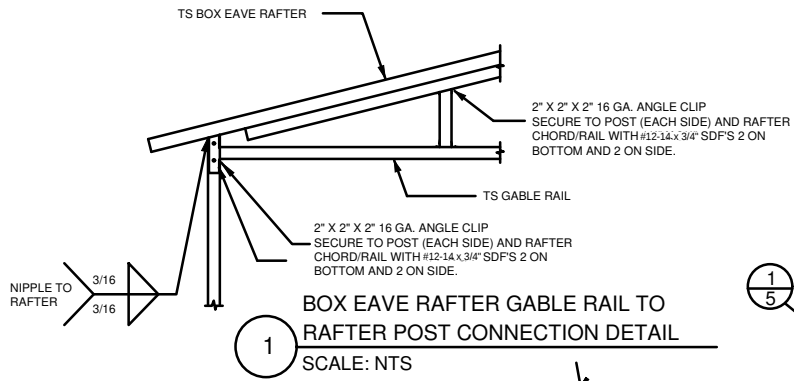
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OU=ENGINEERING,  
O=Soney FM LLC,  
L=Tampa, S=Florida, C=US  
Date: 2021.10.11  
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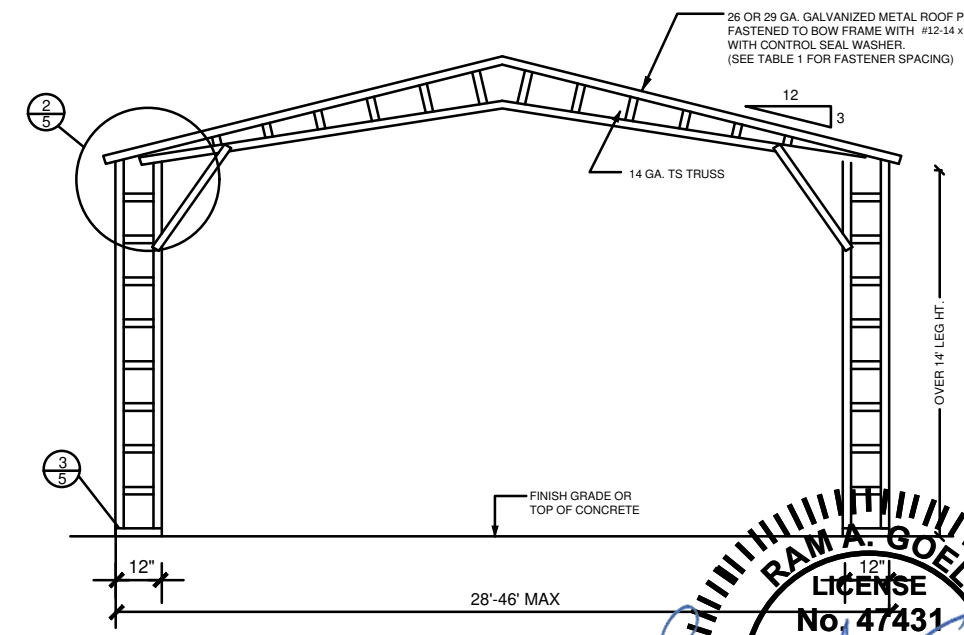
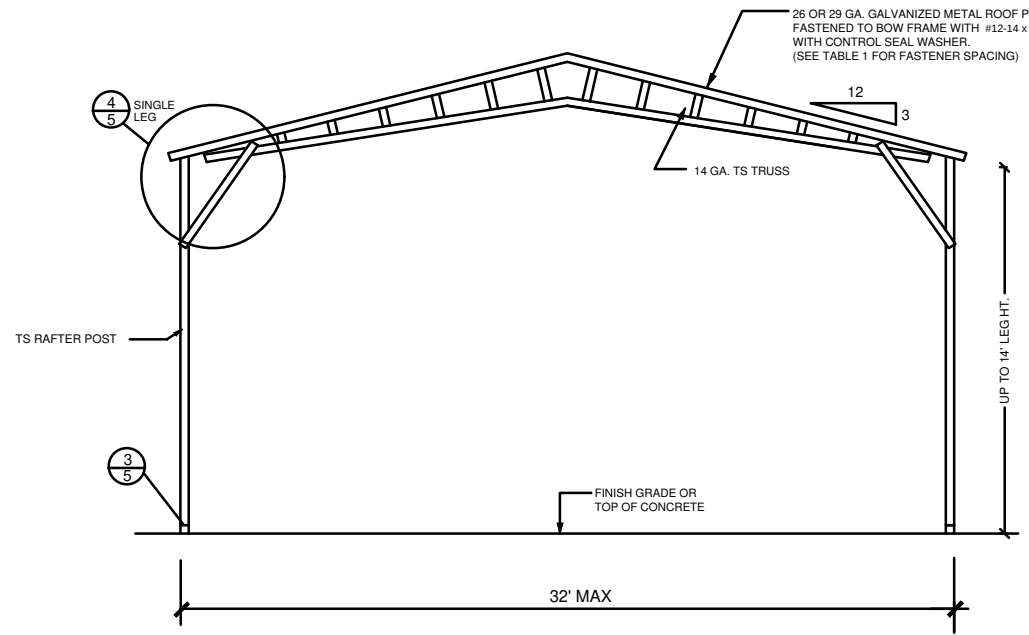
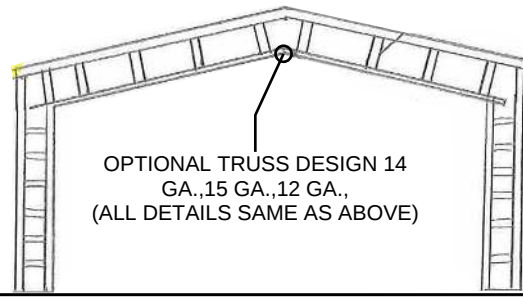
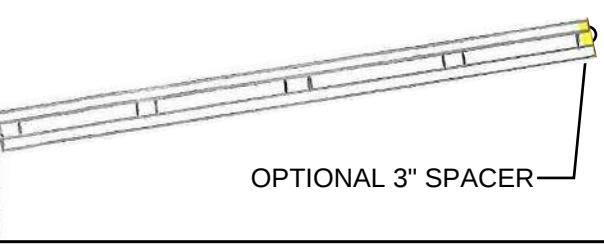
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TYPICAL FREE STANDING LEAN-TO  
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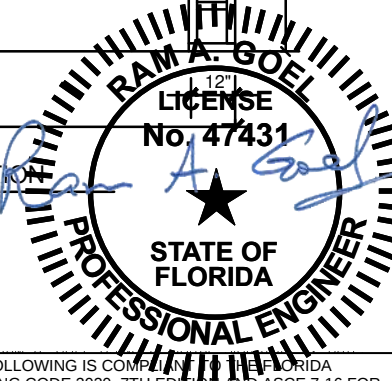


TYPICAL RAFTER/POST END FRAME SECTION  
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Job # 2173  
Drawn By: S.K.  
Checked By: R.G.

Issue Date: 08-18-21

Revisions:

| No. | Date | Description |
|-----|------|-------------|
| 1   |      |             |
| 2   |      |             |
| 3   |      |             |
| 4   |      |             |

PREFABRICATED UTILITY STRUCTURE

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

5

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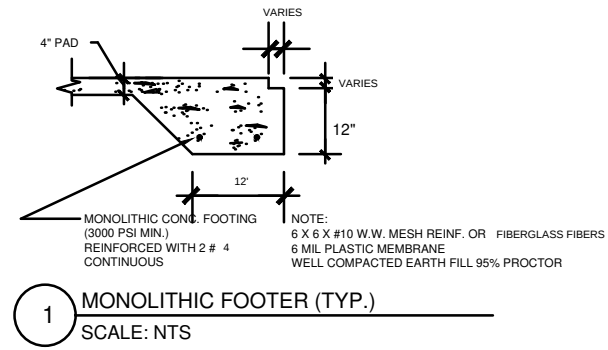
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Drawn By: S.K.  
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| 4                    | 11   |             |

CONCRETE

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

6



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  
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 NOT EXPOSED TO EARCH OR WEATHER.

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

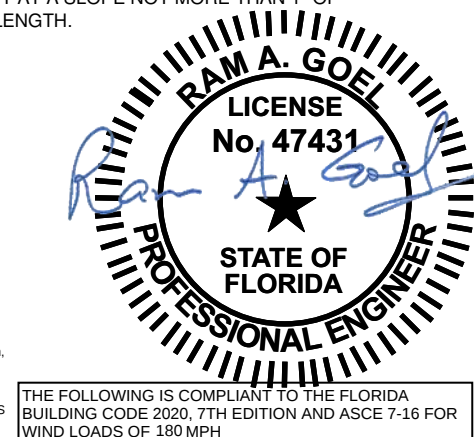
GALVANIZATION:  
METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION NOT DIRECTLY EXPOSED TO  
THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL  
PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE  
IN STAINLESS STEEL OR HOT DIPPED GALVANIZED.

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.

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WIND LOADS OF 180 MPH

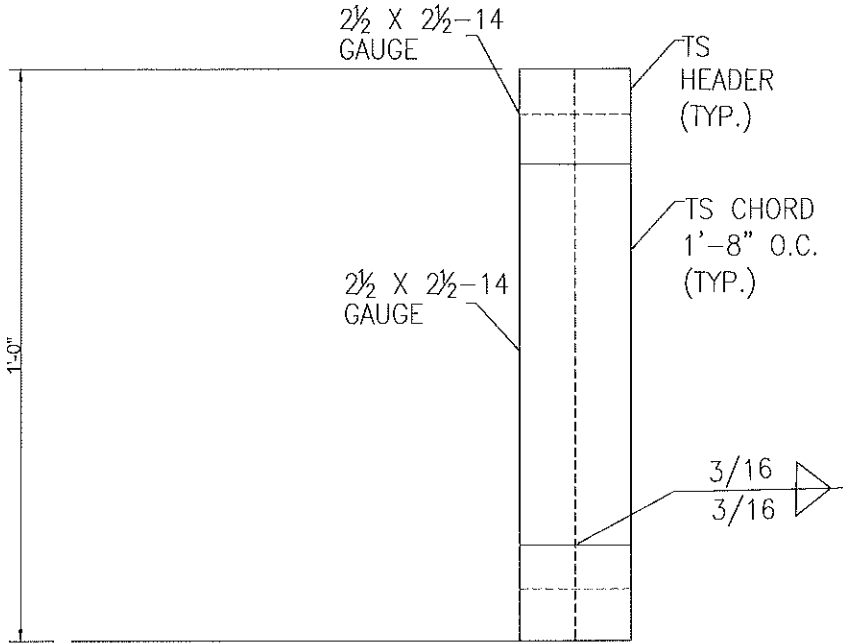
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4" CONC. SLAB  
6 X 6 #10 W.W. MESH REINF. -  
FIBERMESH OPTIONAL  
6 MIL PLASTIC MEMBRANE  
WELL COMPACTED EARTH FILL 95% PROCTOR  
TREAT SOIL FOR TERMITES

1  
6 of 6

OPTIONAL HEADER



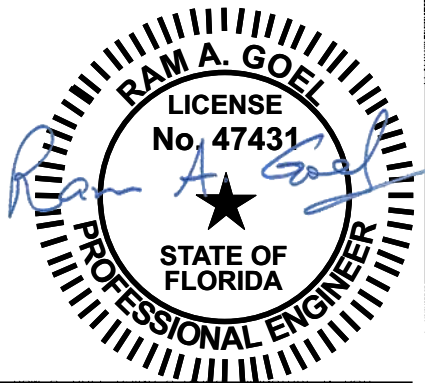
HEADER DETAIL FOR DOOR  
OPENINGS 12'-0" < LENGTH < 20'-0"  
SCALE: N.T.S.



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

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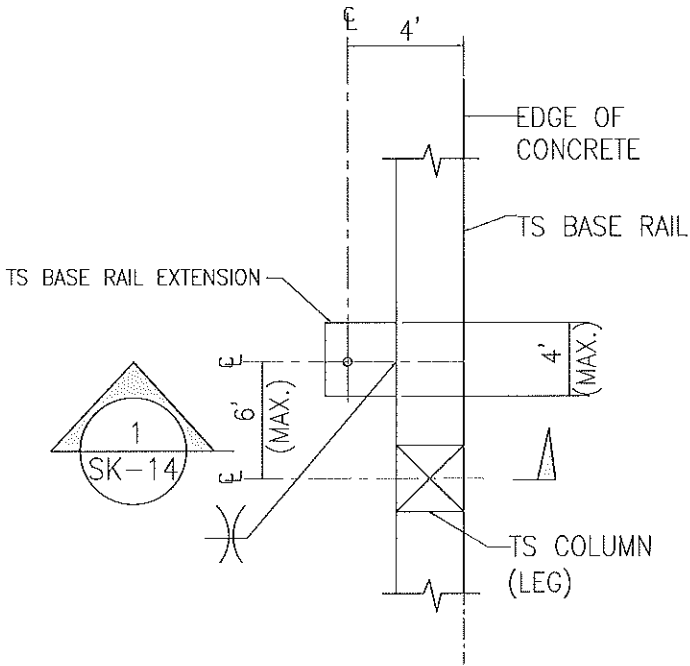
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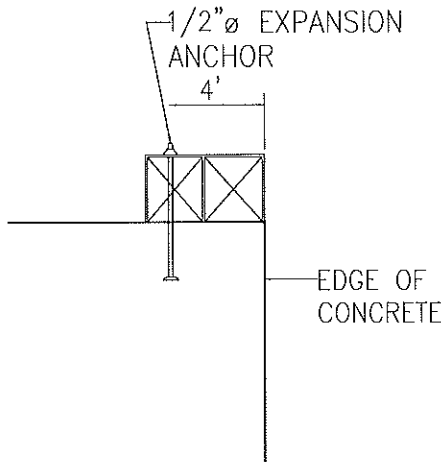
OPTIONAL HEADER

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LIVE OAK, FL 32060

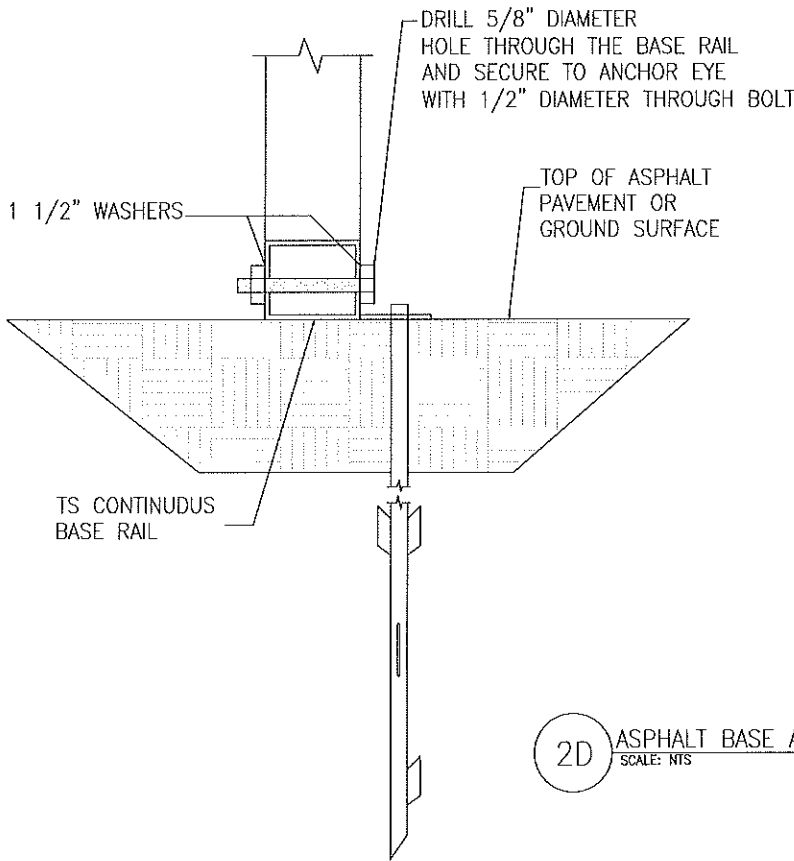
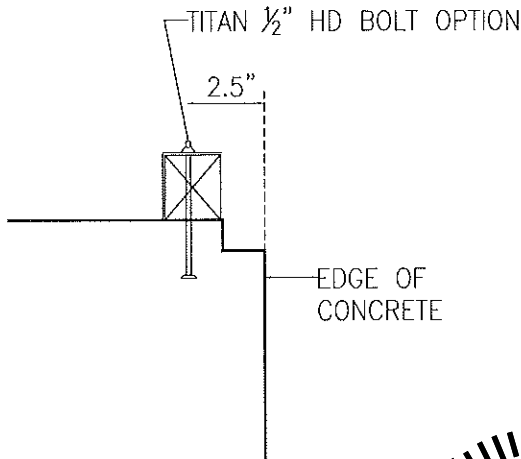
ADDITIONAL BASE RAIL ANCHORAGE OPTION



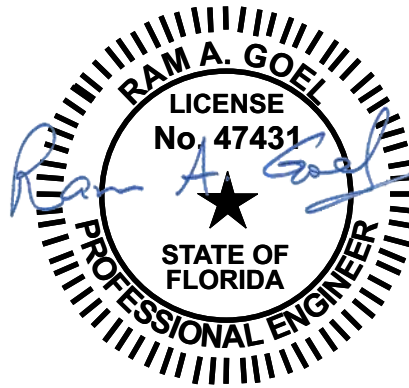
TYPICAL ANCHOR DETAIL WHEN  
BASE RAIL IS NEAR EDGE OF CONCRETE  
SCALE: N.T.S.



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



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



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

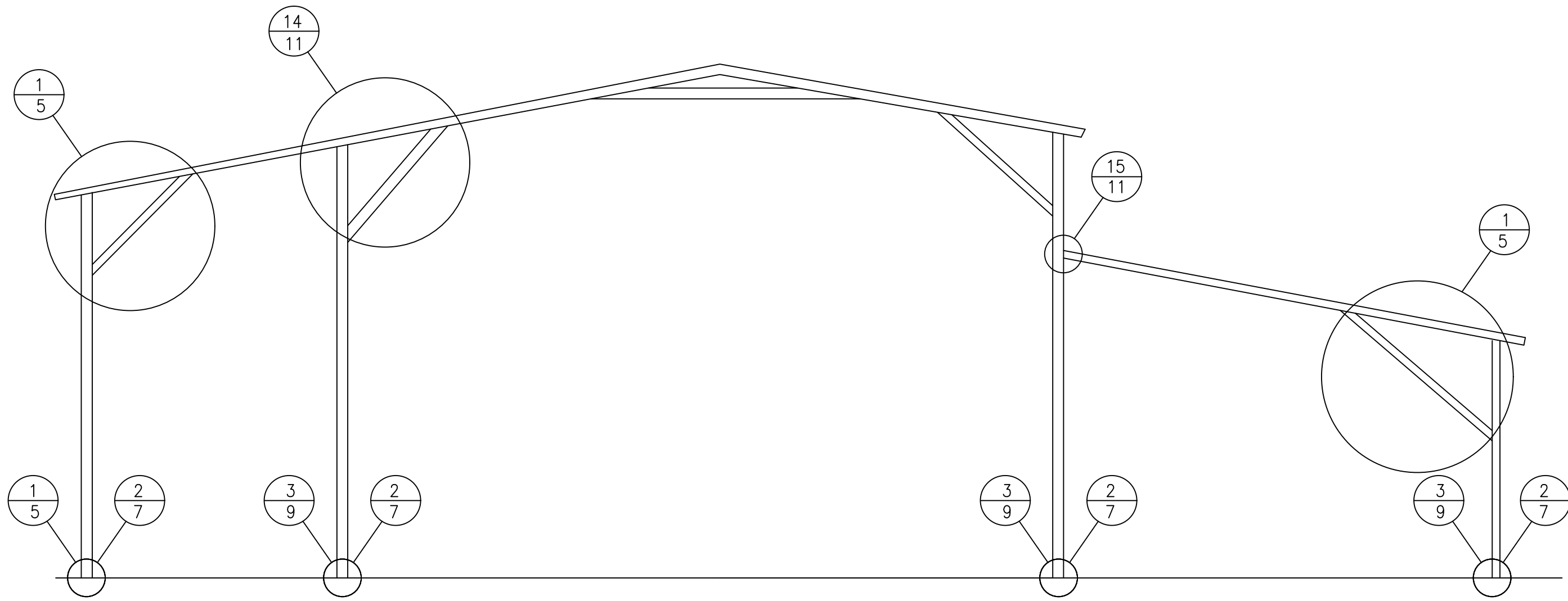
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ADDITIONAL BASE RAIL ANCHORAGE OPTION

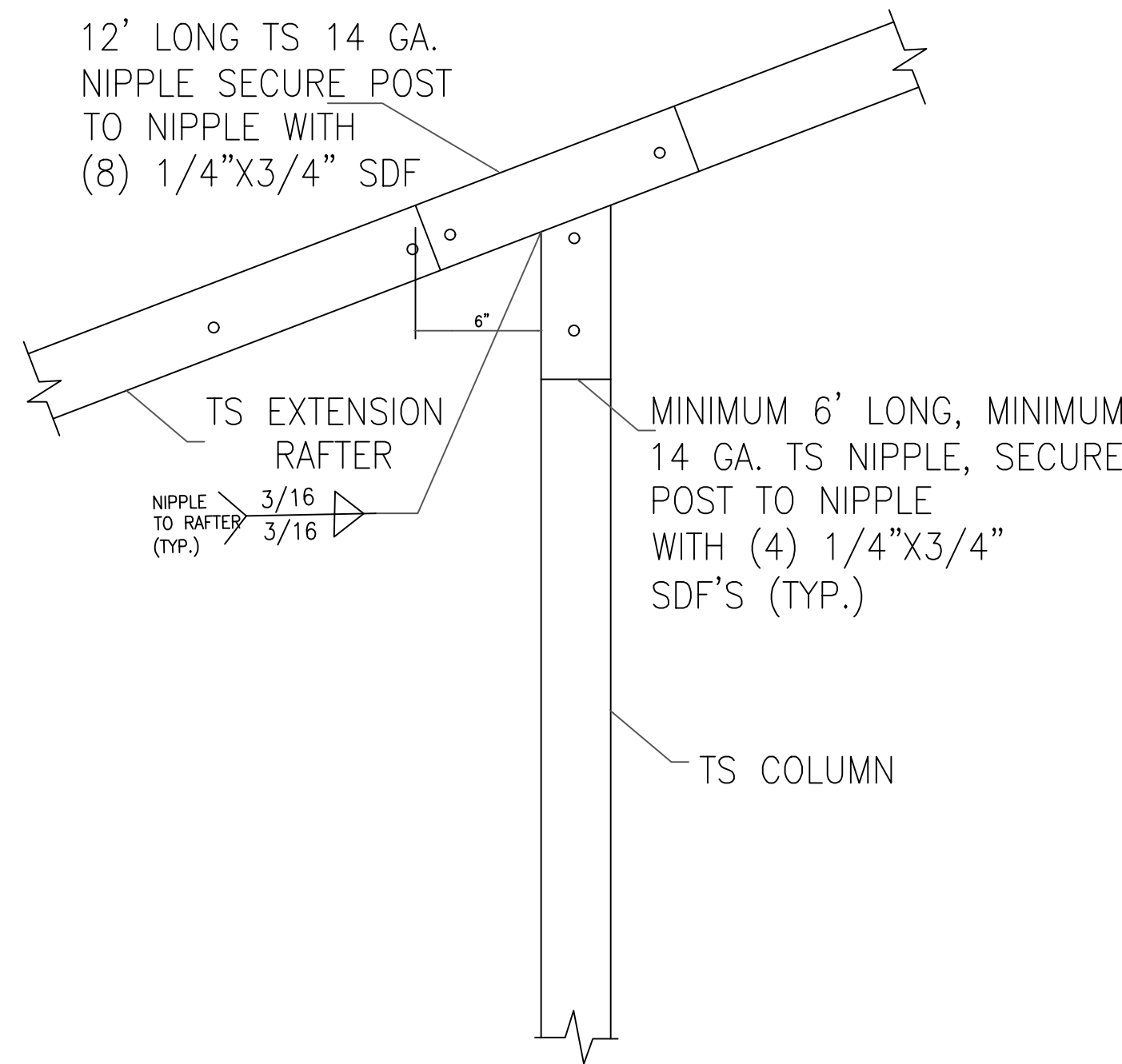
ELITE METAL MANUFACTURING, LLC  
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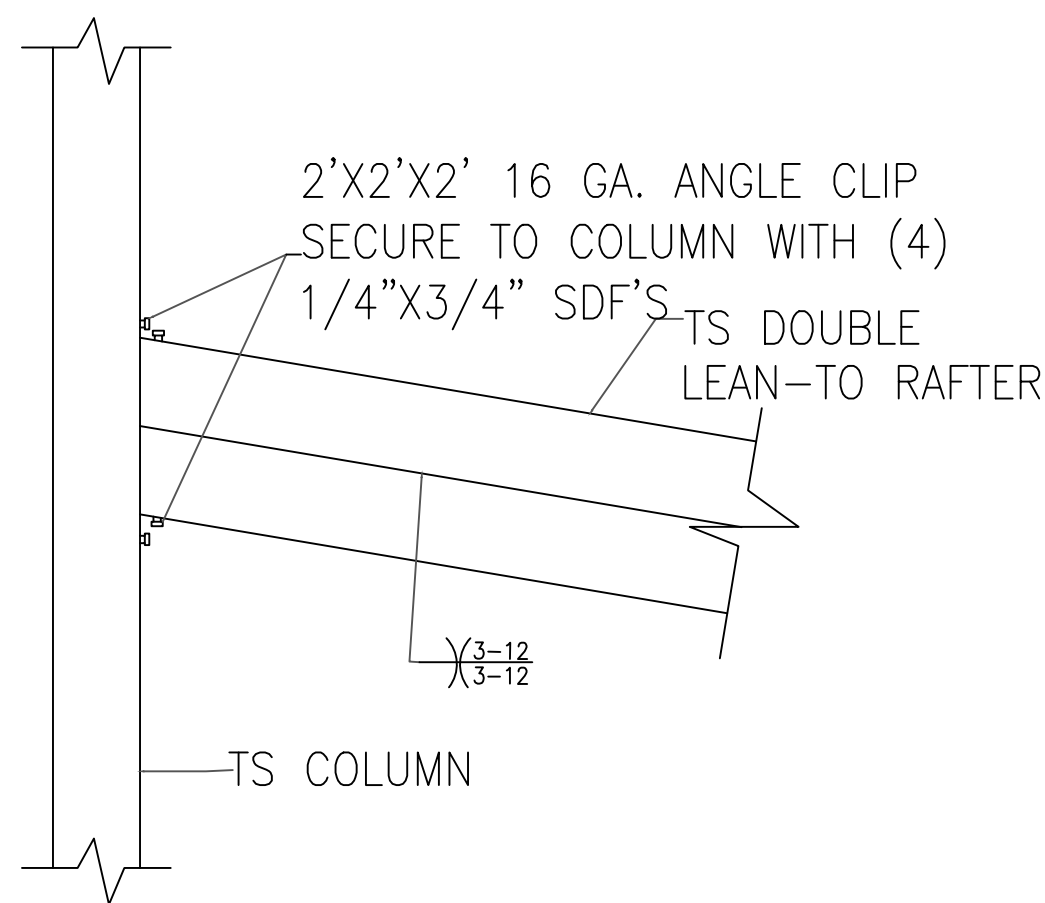
BOX EAVE RAFTER LEAN-TO OPTIONS



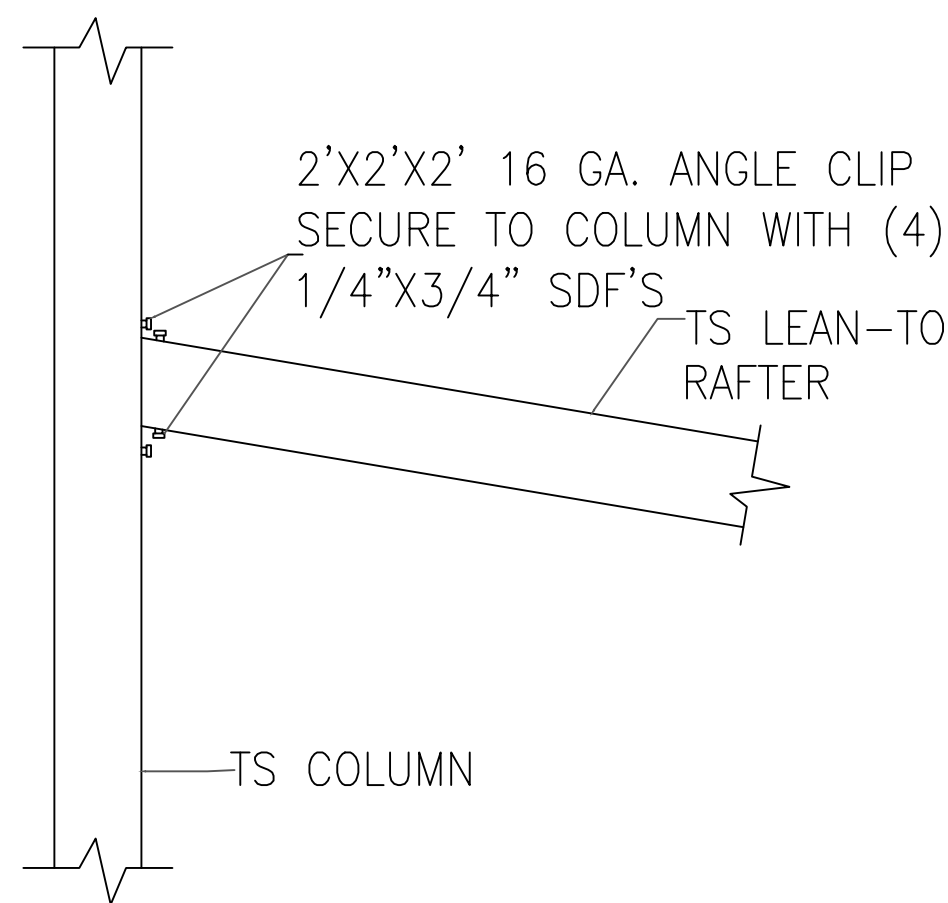
TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)  
SCALE: NTS



14 SIDE EXTENSION RAFTER/  
CORNER POST DETAIL  
SCALE: NTS



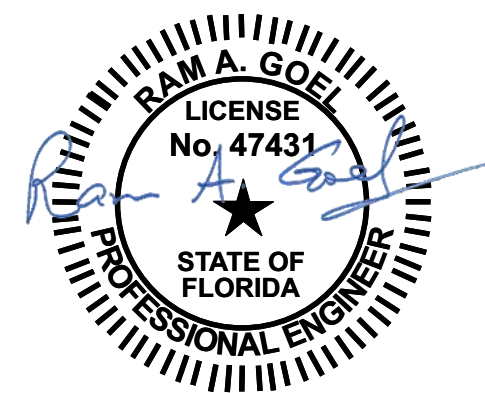
15A LEAN-TO RAFTER TO  
RAFTER POST CONNECTION  
DETAIL FOR WIDTHS  
12'-0" < TO ≤ 16'-0"  
SCALE: NTS



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

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Job #2173

Drawn By: K.D.

Checked By: S.G.

Issue Date: 08-18-21

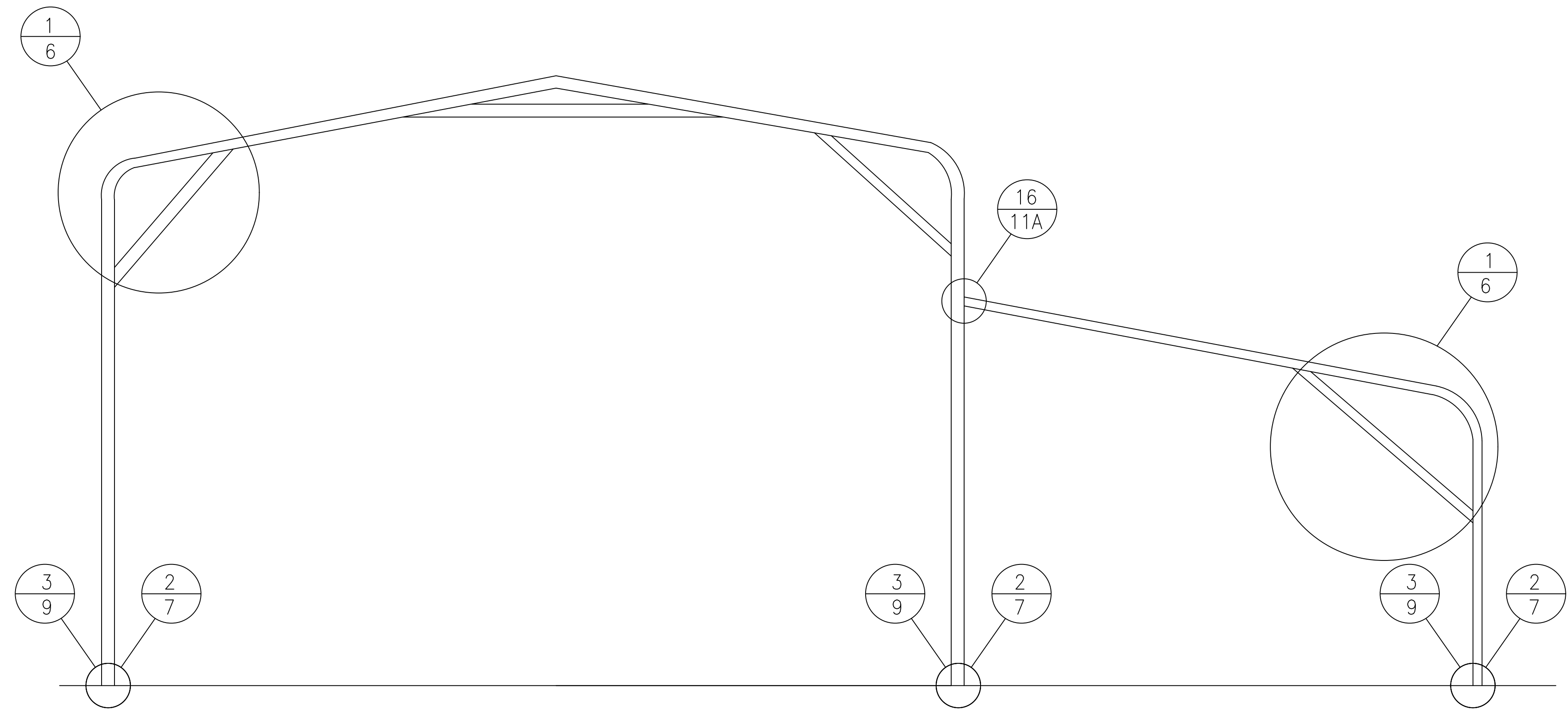
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BOX EAVE RAFTER LEAN-TO OPTIONS

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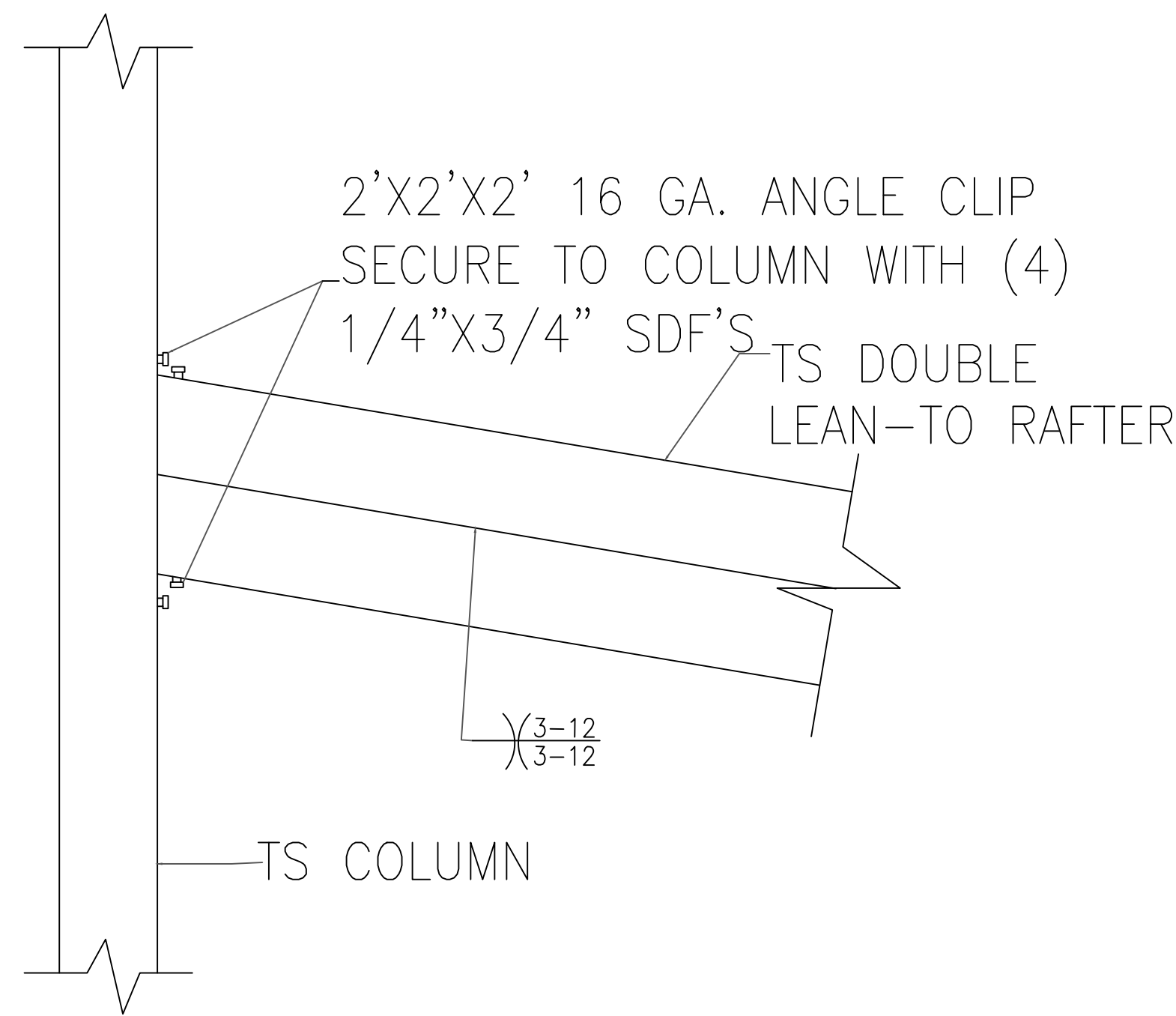
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BOX EAVE RAFTER LEAN-TO OPTIONS



TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION

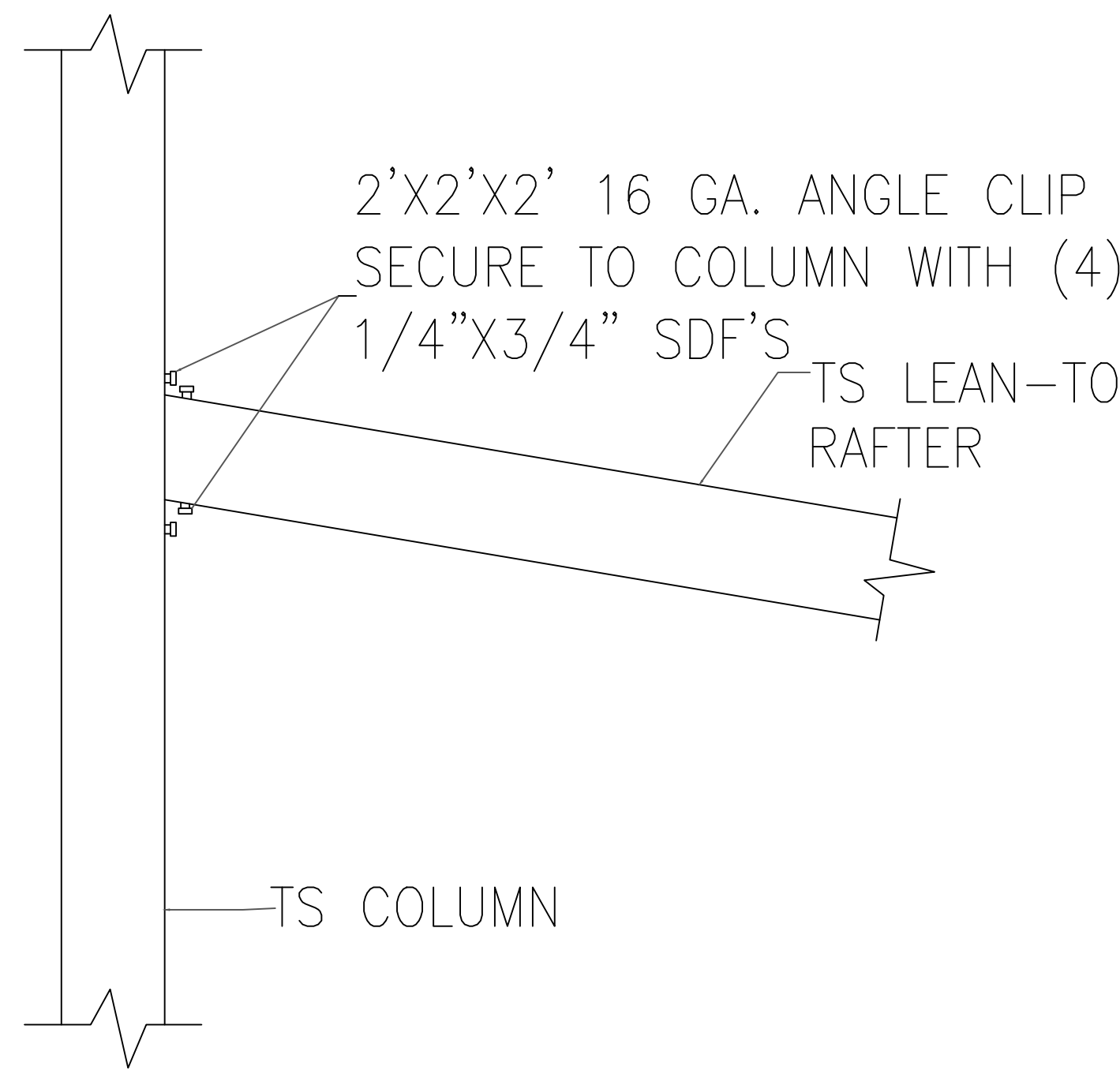
SCALE: NTS



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

16A

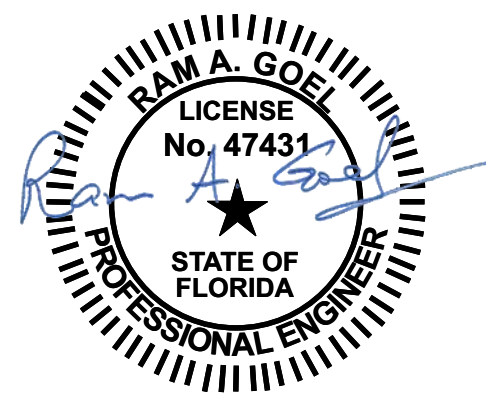
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LEAN-TO RAFTER TO  
RAFTER POST CONNECTION  
DETAIL FOR WIDTHS ≤12'-0"

16B

SCALE: NTS



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Job #2173

Drawn By: K.D.

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BOX EAVE RAFTER LEAN-TO OPTIONS

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10