

ENCLOSED GABLE END BUILDING

MAXIMUM 30'-0" WIDE X 16'-0" EAVE HEIGHT WITH BOX FRAME / (UP TO) 145 M.P.H. WIND ZONE - 30 P.S.F. SNOW LOAD

FOR:

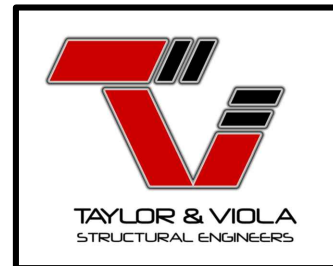
5 STAR METAL BUILDINGS

2425 OLD HIGHWAY 601

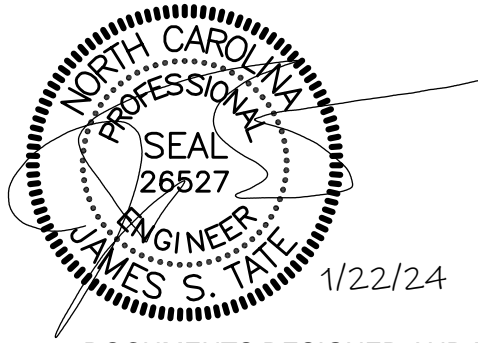
MT. AIRY, NORTH CAROLINA

TELE: 844-308-9705

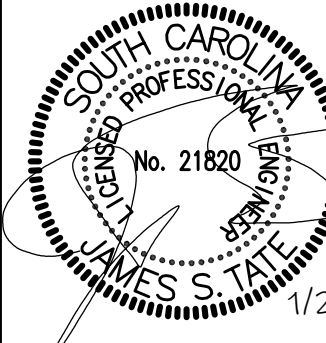
ISSUE DATE: JANUARY 22, 2024



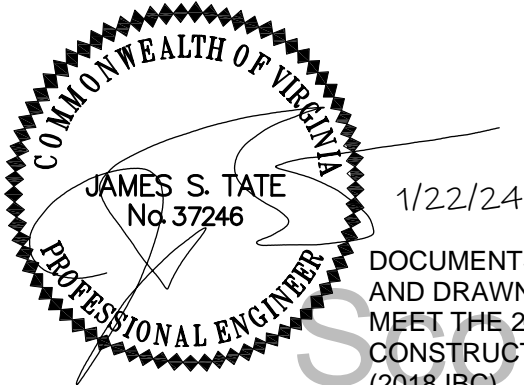
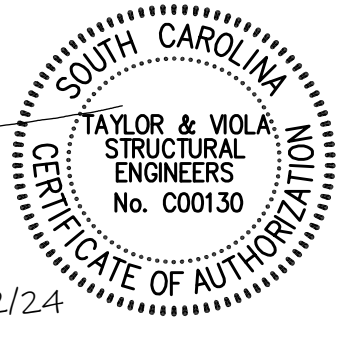
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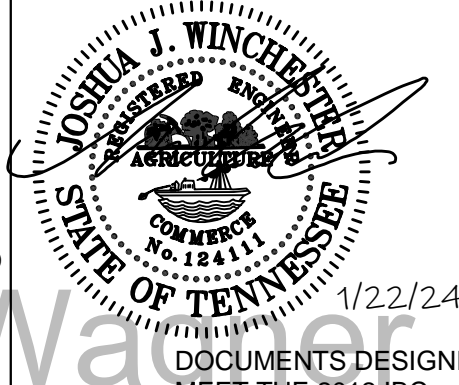
DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 NC BUILDING CODE (2015 IBC)



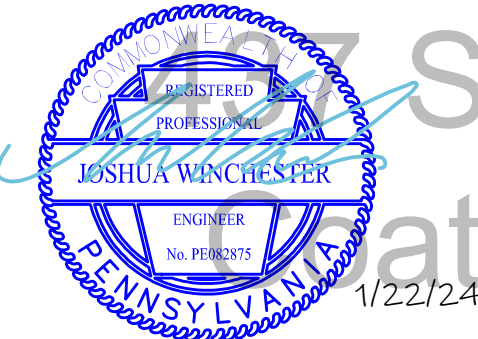
DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2021 SC BUILDING CODE (2021 IBC)



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 VA CONSTRUCTION CODE (2018 IBC)



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2012 IBC

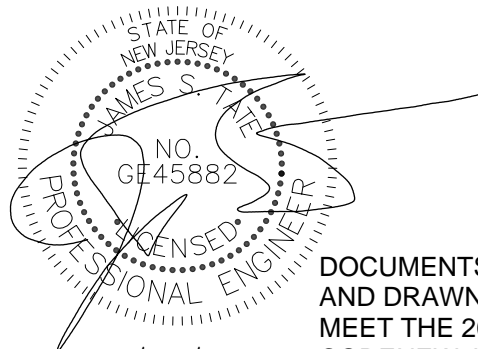


DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



1/22/24

DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2020 BUILDING CODE OF NEW YORK STATE (2018 IBC)



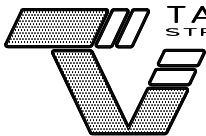
1/22/24

DOCUMENTS DESIGNED AND DRAWN TO MEET THE 20210 BUILDING CODENEW JERSEY EDITION (2021 IBC)



1/22/24

DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



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5 STAR METAL BUILDINGS
2425 OLD HIGHWAY 601
MOUNT AIRY, NORTH CAROLINA 27030
TELE: 844-308-9705

DRAWN BY:
BKS

PROJECT NO:
23-500

DATE:
2024.01.22

SHEET NO:
S1

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1/22/24

DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



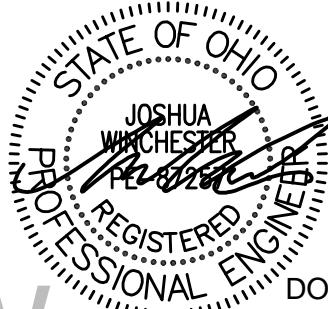
1/22/24

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1/22/24

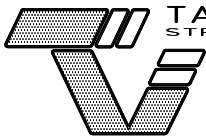
DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



1/22/24

DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2017 OHIO BUILDING CODE WITH AMENDMENTS

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Coats NC 27521



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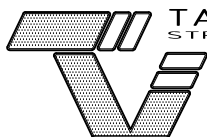
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Scott Designer
 437 S. Denise Ave
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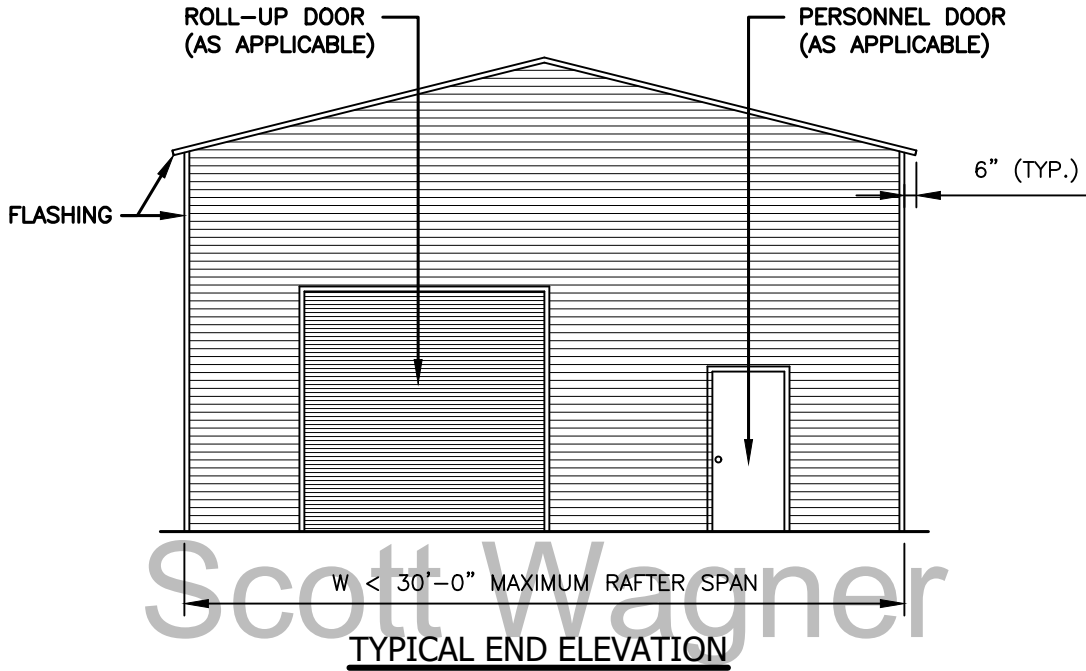
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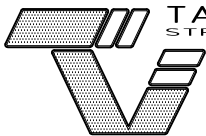
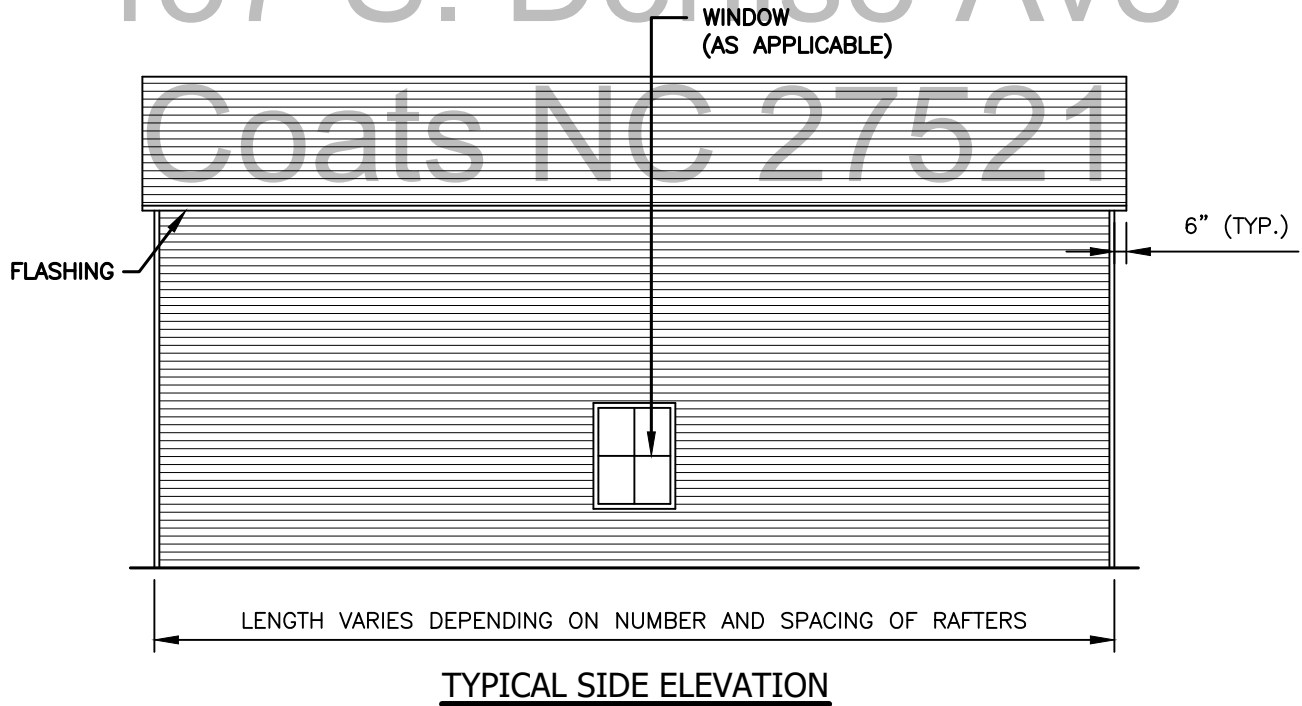
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BOX EVE FRAME RAFTER STURCTURE



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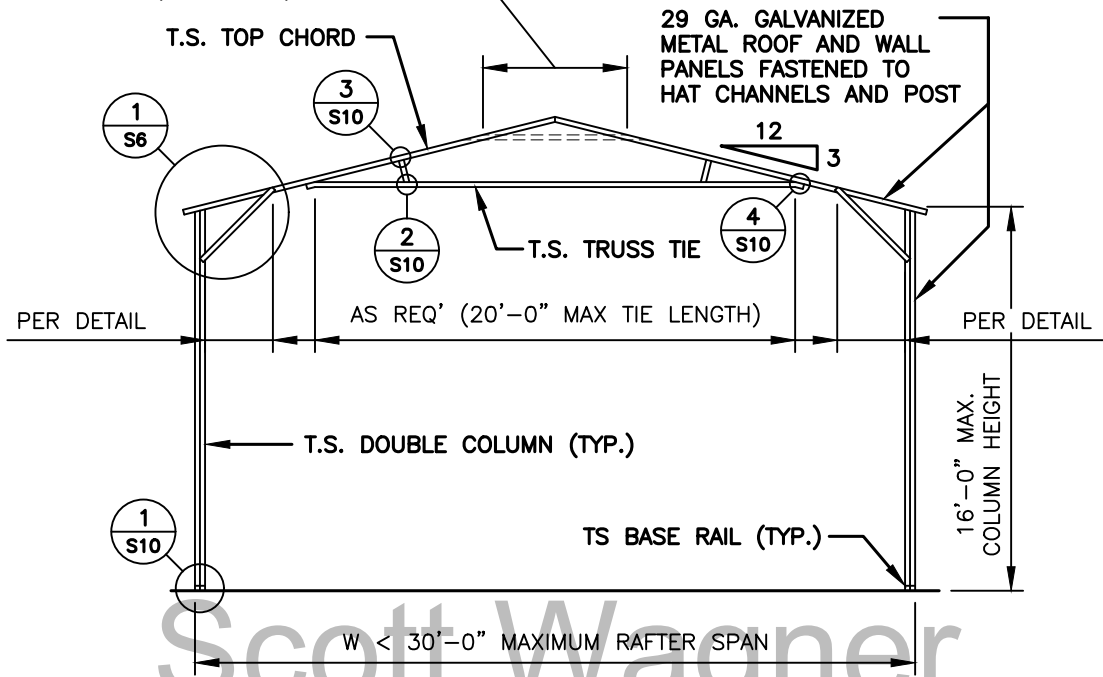
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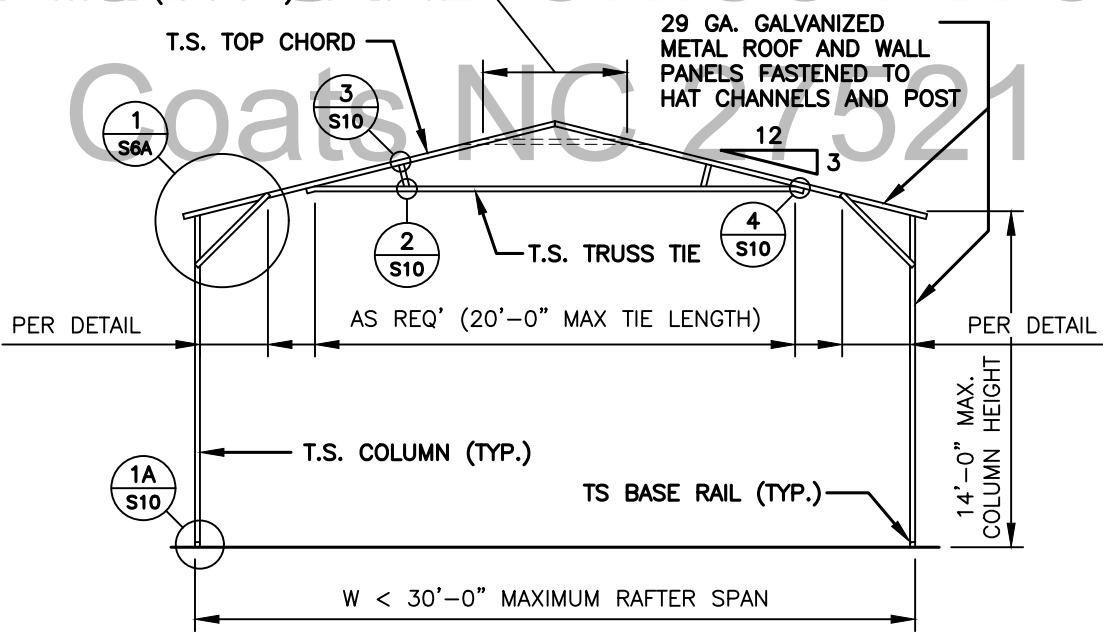
'U' BRACE TRUSS TIE - NOTE:
 6'-0" BRACE FOR 21'-24' BUILDING WIDTH
 20' TUBE TRUSS TIE (AS SHOWN) FOR 25'-30'



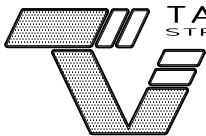
TYPICAL RAFTER / COLUMN FRAME SECTION

'U' BRACE TRUSS TIE - NOTE:
 6'-0" BRACE FOR 21'-24' BUILDING WIDTH
 20' TUBE TRUSS TIE (AS SHOWN) FOR 25'-30'

NOTE:
 H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x14ga.
 MATERIAL MAY BE USED FOR TRUSS METAL.



TYPICAL RAFTER / COLUMN FRAME SECTION



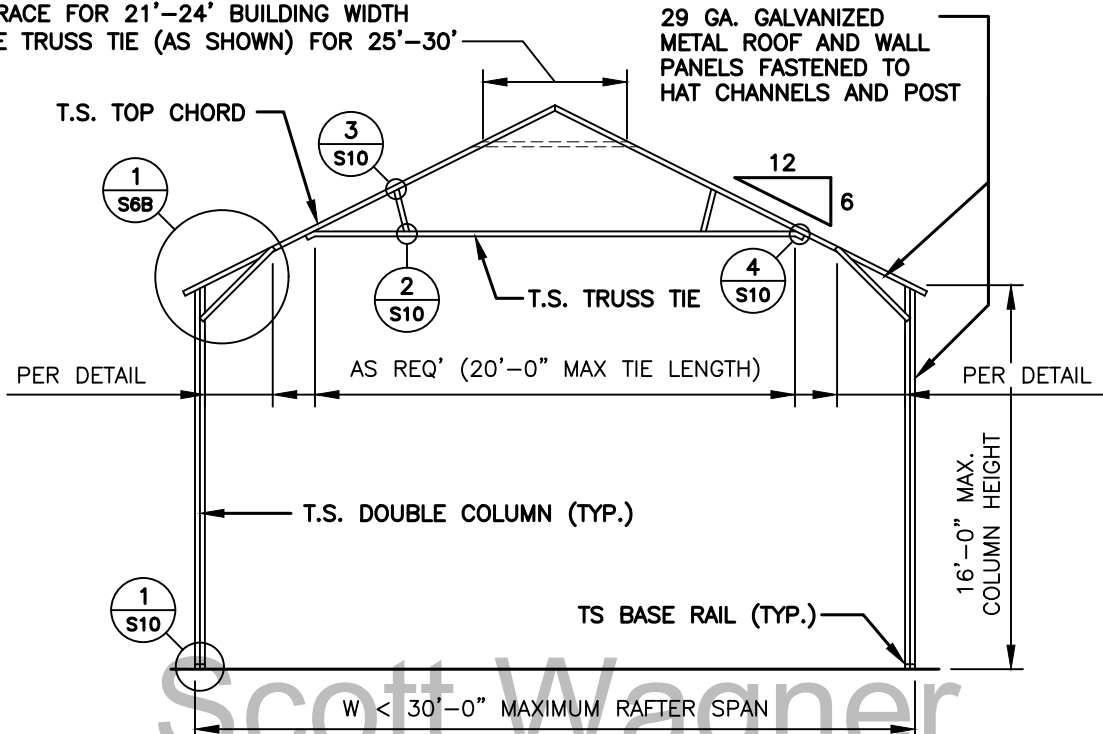
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DATE: 2024.01.22	SHEET NO: S5

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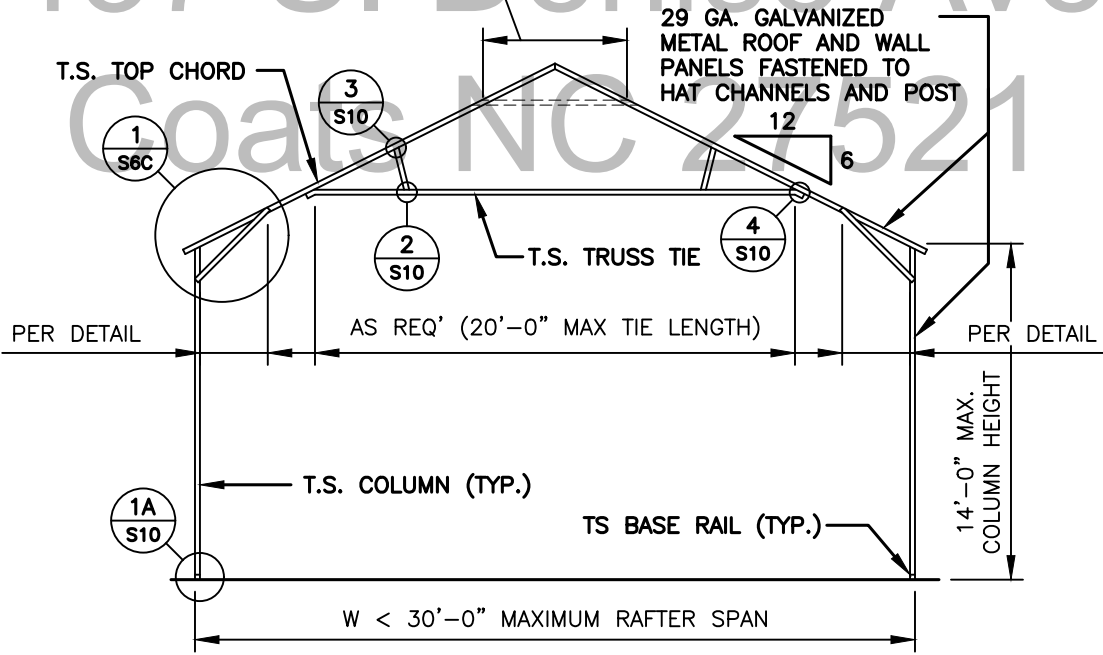
'U' BRACE TRUSS TIE - NOTE:
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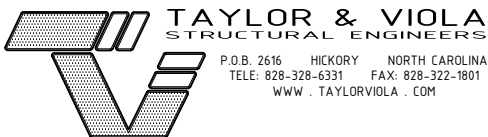
TYPICAL RAFTER / COLUMN FRAME SECTION

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 20' TUBE TRUSS TIE (AS SHOWN) FOR 25'-30'

NOTE:
 H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x14ga.
 MATERIAL MAY BE USED FOR TRUSS METAL.



TYPICAL RAFTER / COLUMN FRAME SECTION



5 STAR
METAL BUILDINGS
 2425 OLD HIGHWAY 601
 MOUNT AIRY, NORTH CAROLINA 27030
 TELE: 844-308-9705

DRAWN BY:
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SSA

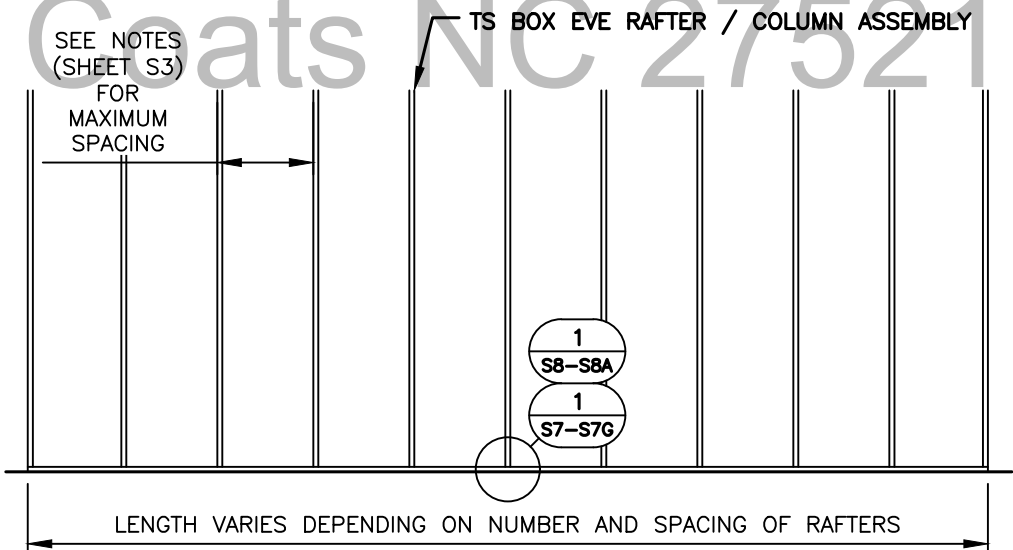
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Scott Wagner

437 S. Denise Ave

Coats NC 27521

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR
2-1/4"x2-1/4"x14ga. MATERIAL
MAY BE USED FOR TRUSS METAL.



TYPICAL RAFTER / COLUMN SIDE FRAME SECTION

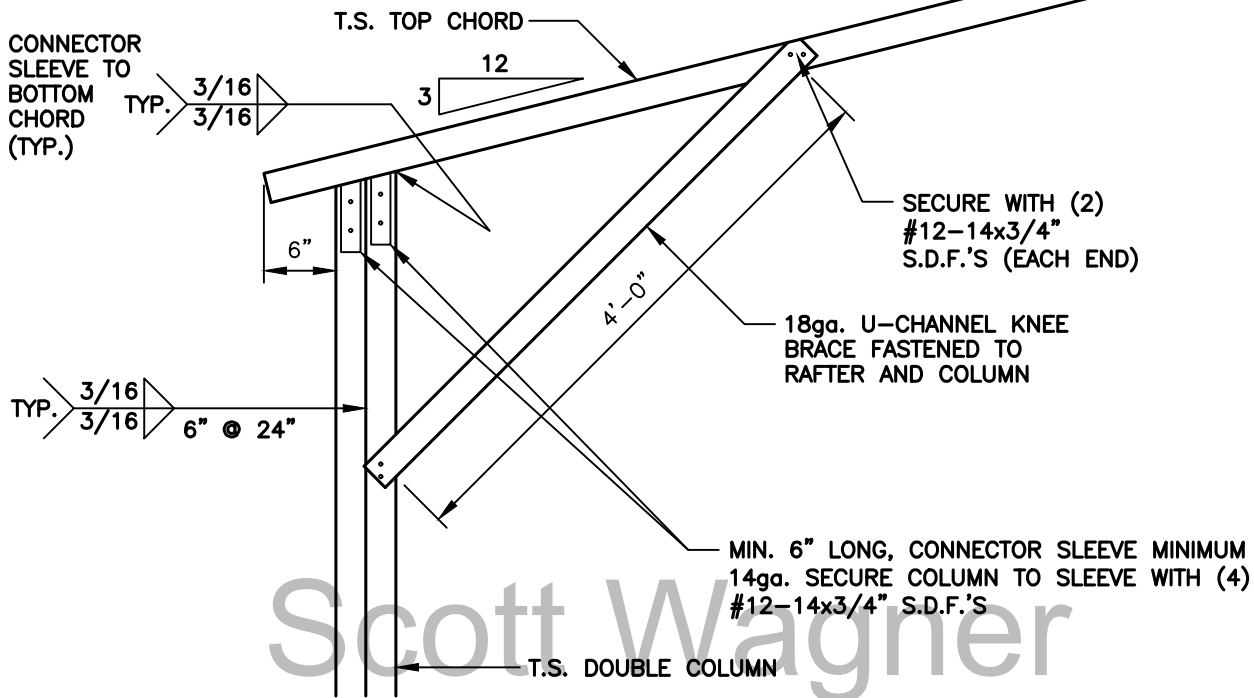


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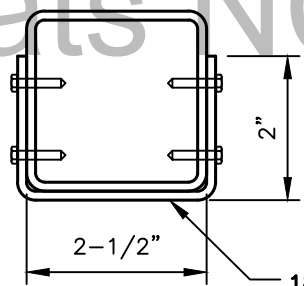
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DATE: 2024.01.22	SHEET NO: S5B

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1 BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS 14'-1" < TO <16'-0"
 S6 SCALE: 3/4" = 1'-0"

437 S. Denise Ave
 Coats NC 27521



BRACE SECTION

18ga. U-CHANNEL BRACE FASTENED TO THE COLUMN AND BOTTOM CHORD, WITH #12-14x3/4" S.D.F.'S AT EACH END AS SHOWN IN ELEVATION.

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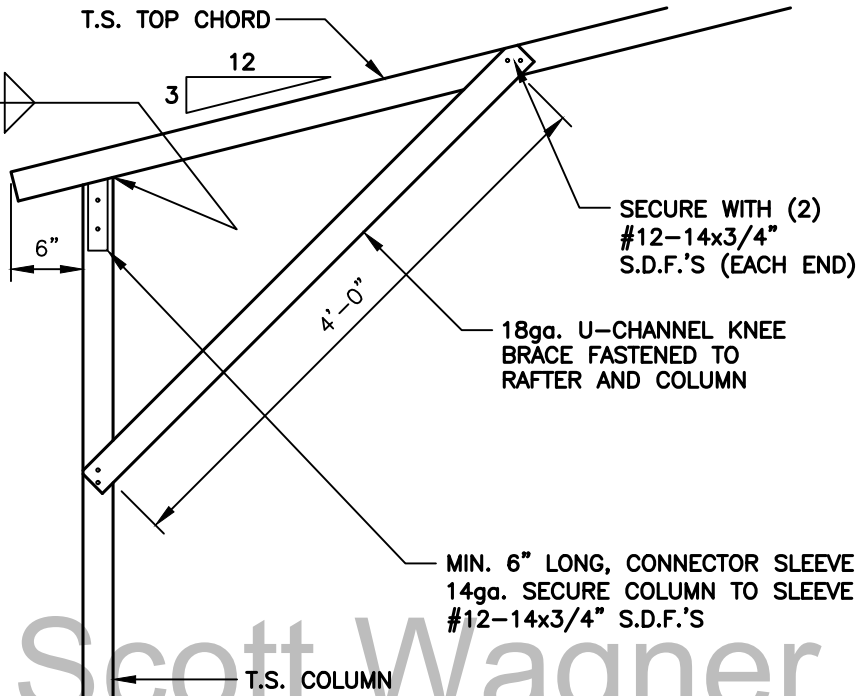
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 TELE: 844-308-9705

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NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

CONNECTOR SLEEVE TO BOTTOM CHORD (TYP.)

TYP. $\frac{3}{16}$ / $\frac{3}{16}$



MIN. 6" LONG, CONNECTOR SLEEVE MINIMUM 14ga. SECURE COLUMN TO SLEEVE WITH (4) #12-14x3/4" S.D.F.'S

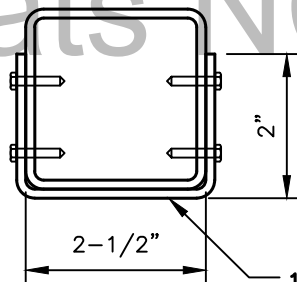
Scott Wagner

1 BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS < 14'-0"

S6A

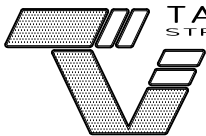
SCALE: 3/4" = 1'-0"

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BRACE SECTION

18ga. U-CHANNEL BRACE FASTENED TO THE COLUMN AND BOTTOM CHORD, WITH #12-14x3/4" S.D.F.'S AT EACH END AS SHOWN IN ELEVATION.



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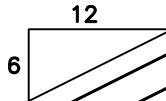
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S6A

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CONNECTOR SLEEVE TO BOTTOM CHORD (TYP.)

TYP. $\frac{3}{16}$ / $\frac{3}{16}$

T.S. TOP CHORD



SECURE WITH (2) #12-14x3/4" S.D.F.'S (EACH END)

18ga. U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN

MIN. 6" LONG, CONNECTOR SLEEVE MINIMUM 14ga. SECURE COLUMN TO SLEEVE WITH (4) #12-14x3/4" S.D.F.'S

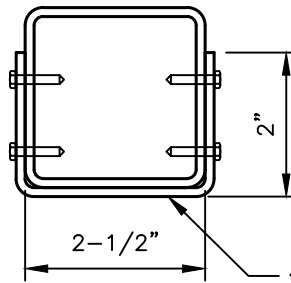
T.S. COLUMN

Scott Wagner
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Coats NC 27521

1
S6C

BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS 14'-1" < TO <16'-0"

SCALE: 3/4" = 1'-0"



BRACE SECTION

18ga. U-CHANNEL BRACE FASTENED TO THE COLUMN AND BOTTOM CHORD, WITH #12-14x3/4" S.D.F.'S AT EACH END AS SHOWN IN ELEVATION.



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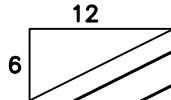
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S6B

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CONNECTOR SLEEVE TO BOTTOM CHORD (TYP.)

TYP. $\frac{3}{16}$ / $\frac{3}{16}$

T.S. TOP CHORD



SECURE WITH (2) #12-14x3/4" S.D.F.'S (EACH END)

18ga. U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN

MIN. 6" LONG, CONNECTOR SLEEVE MINIMUM 14ga. SECURE COLUMN TO SLEEVE WITH (4) #12-14x3/4" S.D.F.'S

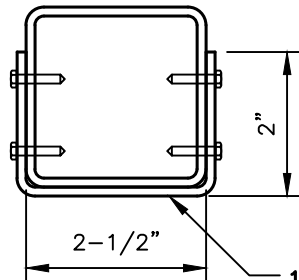
T.S. COLUMN

Scott Wagner
437 S. Denise Ave
Coats NC 27521

1
S6C

BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS < 14'-0"

SCALE: 3/4" = 1'-0"



BRACE SECTION

18ga. U-CHANNEL BRACE FASTENED TO THE COLUMN AND BOTTOM CHORD, WITH #12-14x3/4" S.D.F.'S AT EACH END AS SHOWN IN ELEVATION.



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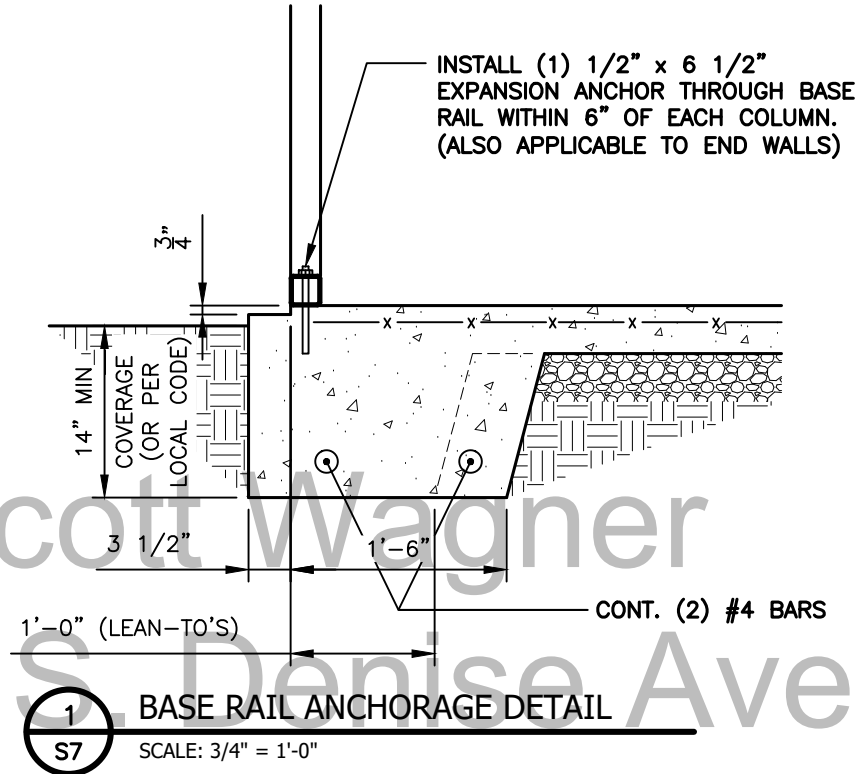
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S6C

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CONCRETE BASE RAIL ANCHORAGE



GENERAL NOTES:

ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 P.S.F.

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318: 3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH AND WEATHER AND 1-1/2" ELSEWHERE.

REINFORCING STEEL:

THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

REINFORCEMENT MAT BE BENT IN THE SHOP OF THE FIELD PROVIDED:

1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.



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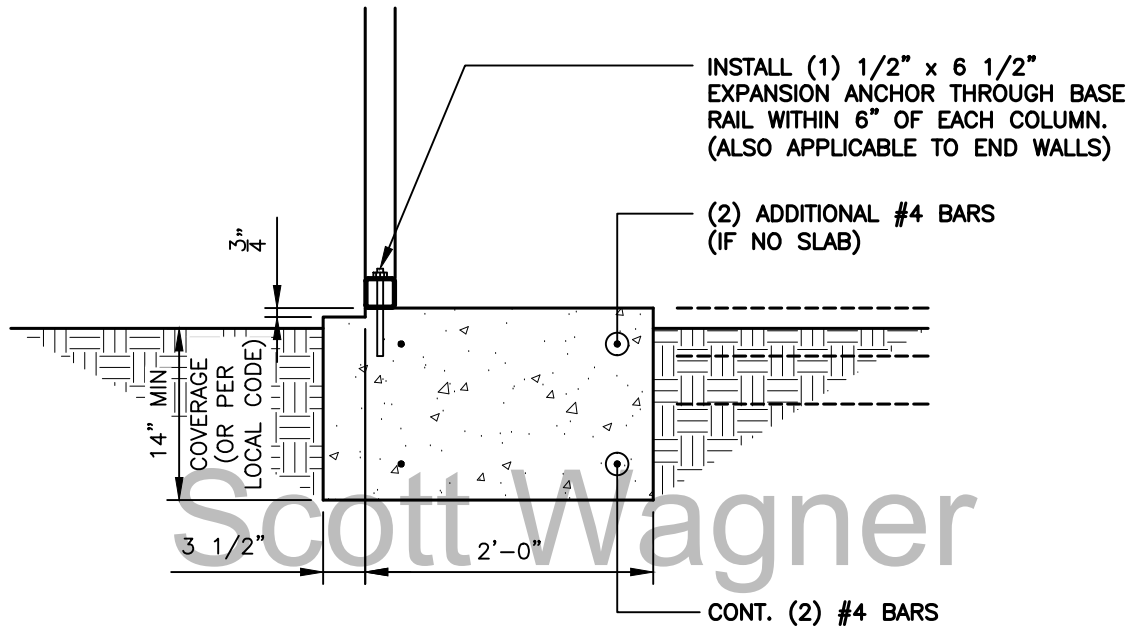
DRAWN BY:
 BKS

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 23-501

DATE:
 2024.01.22

SHEET NO:
S7

CONCRETE BASE RAIL ANCHORAGE (NO SLAB)



1
S7A
BASE RAIL ANCHORAGE DETAIL
 SCALE: 3/4" = 1'-0"

GENERAL NOTES:

ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 P.S.F.

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318: 3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH AND WEATHER AND 1-1/2" ELSEWHERE.

REINFORCING STEEL:

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REINFORCEMENT MAT BE BENT IN THE SHOP OF THE FIELD PROVIDED:

1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.



5 STAR
METAL BUILDINGS
 2425 OLD HIGHWAY 601
 MOUNT AIRY, NORTH CAROLINA 27030
 TELE: 844-308-9705

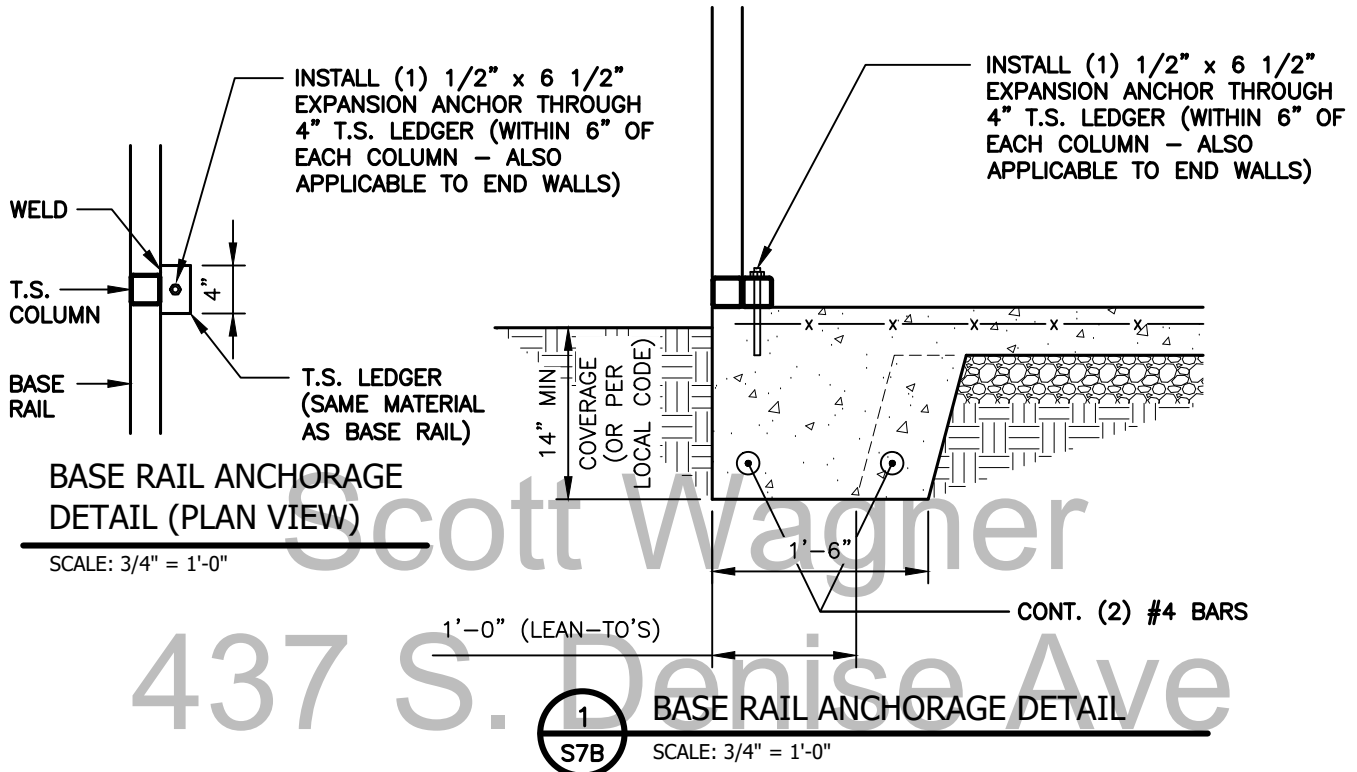
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DATE:
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SHEET NO:
S7A

CONCRETE BASE RAIL ANCHORAGE



GENERAL NOTES:

ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 P.S.F.

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.

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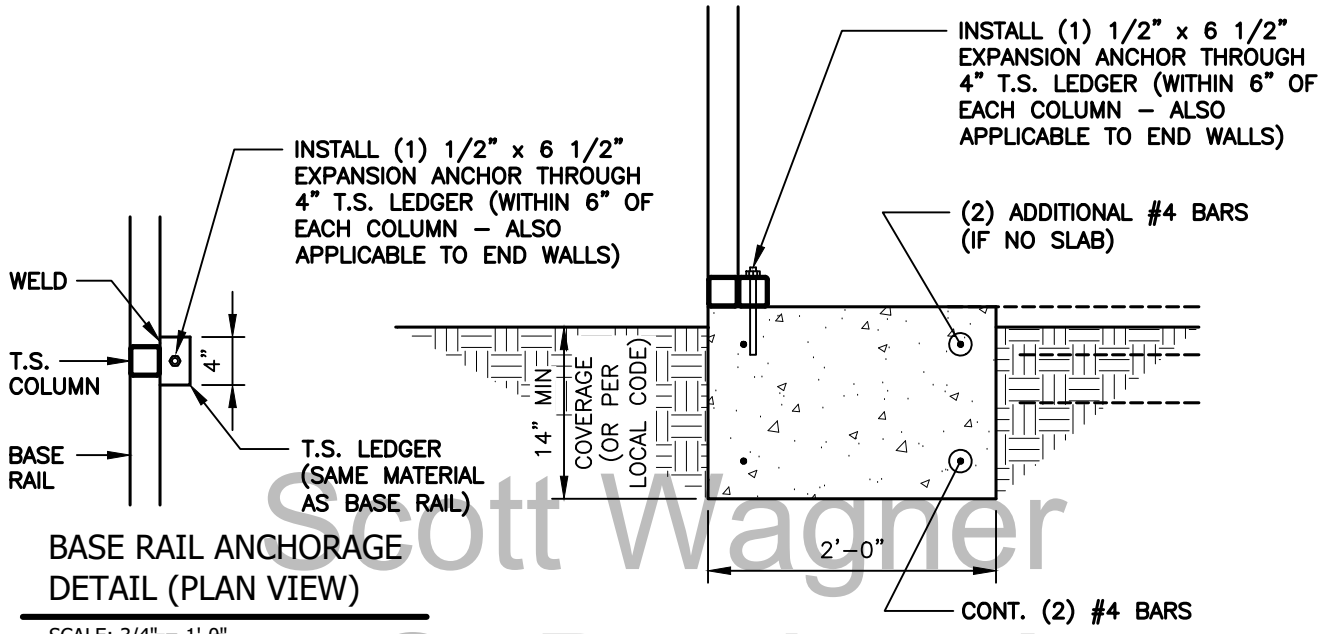
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CONCRETE BASE RAIL ANCHORAGE (NO SLAB)



**BASE RAIL ANCHORAGE
DETAIL (PLAN VIEW)**

SCALE: 3/4" = 1'-0"

1
S7C

BASE RAIL ANCHORAGE DETAIL

SCALE: 3/4" = 1'-0"

GENERAL NOTES:

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**5 STAR
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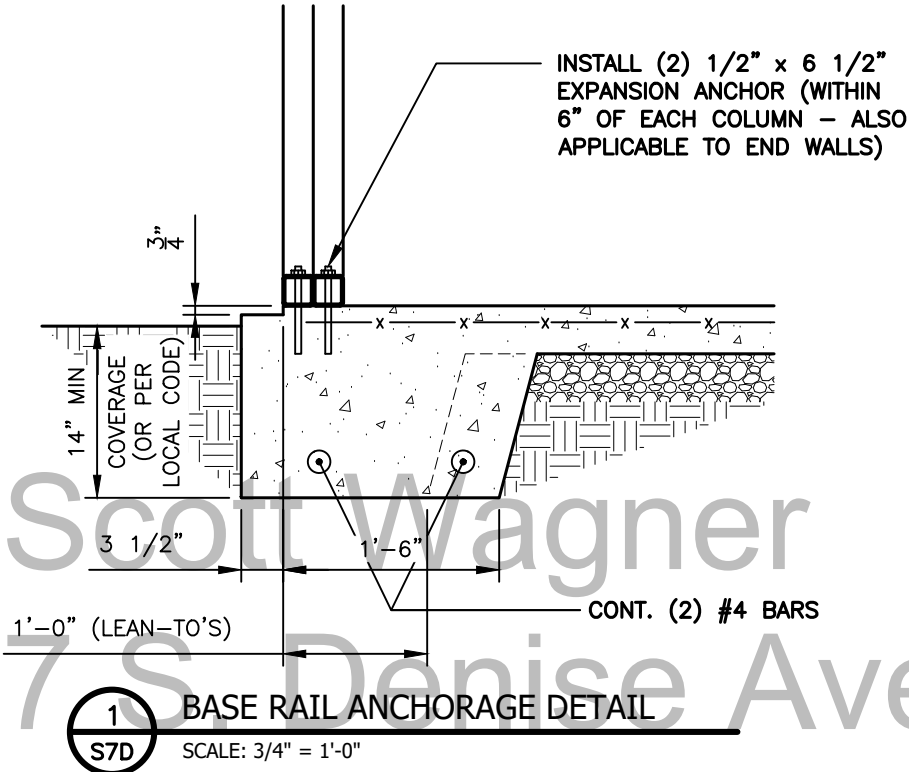
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CONCRETE BASE RAIL ANCHORAGE



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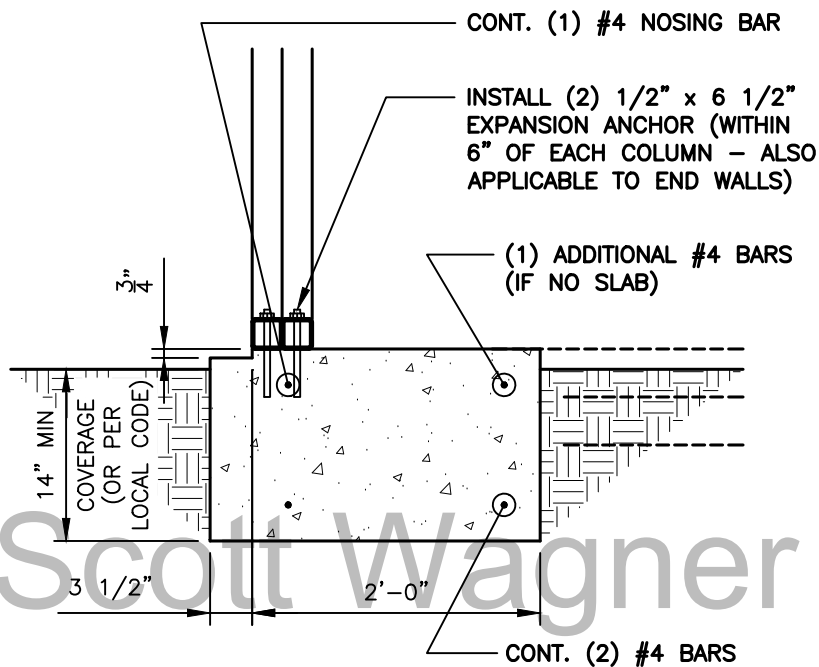
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CONCRETE BASE RAIL ANCHORAGE (NO SLAB)



1
S7E
BASE RAIL ANCHORAGE DETAIL
 SCALE: 3/4" = 1'-0"

GENERAL NOTES:

ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 P.S.F.

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COVER OVER REINFORCING STEEL:

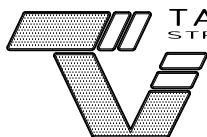
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5 STAR
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2425 OLD HIGHWAY 601
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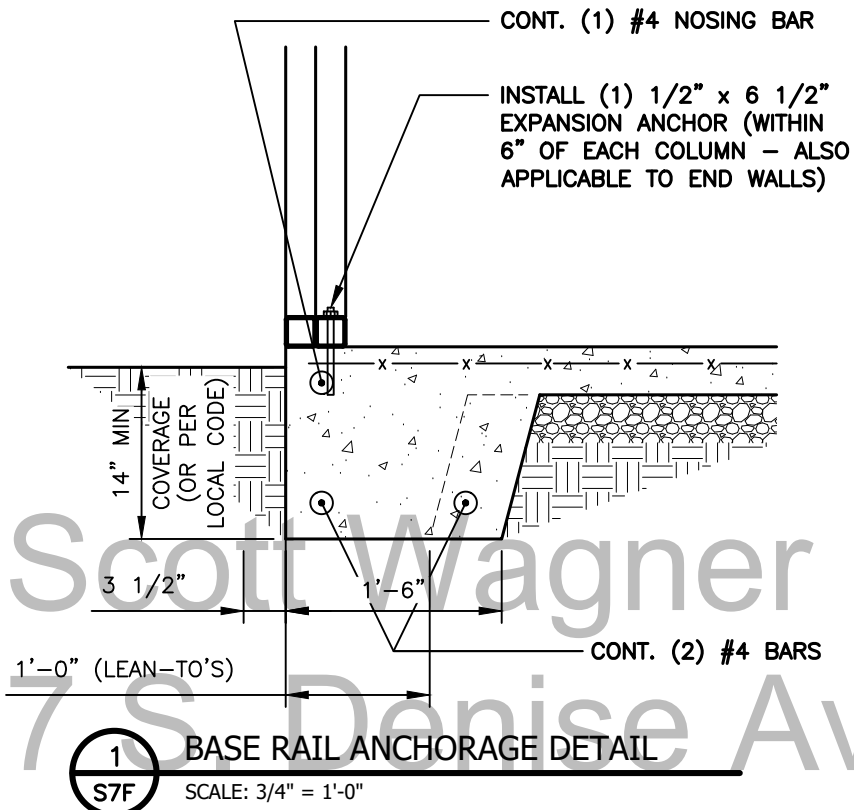
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CONCRETE BASE RAIL ANCHORAGE



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5 STAR
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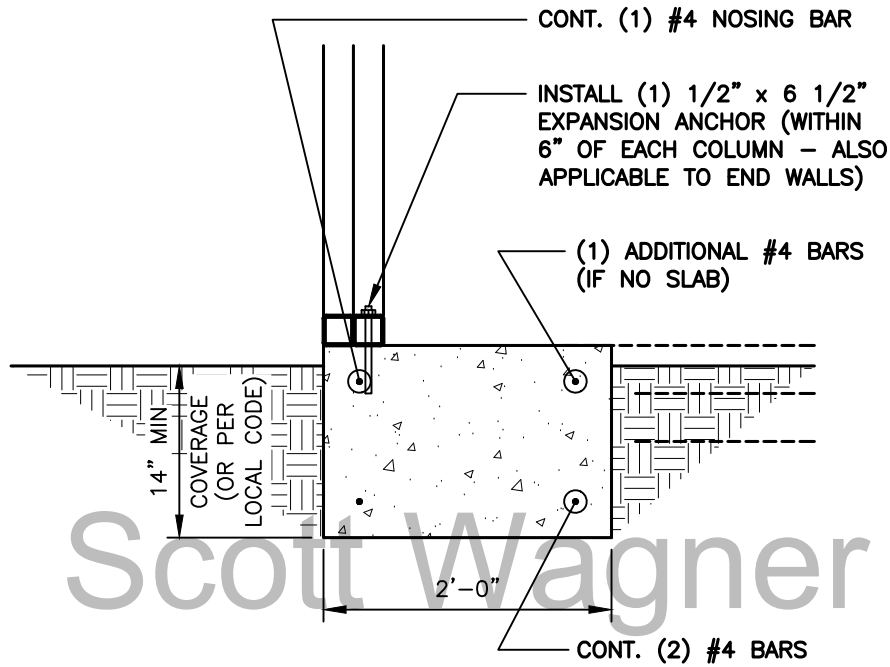
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DATE:
2024.01.22

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CONCRETE BASE RAIL ANCHORAGE (NO SLAB)



Scott Wagner
437 S. Depise Ave
Coats NC 27521

1 BASE RAIL ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"

GENERAL NOTES:

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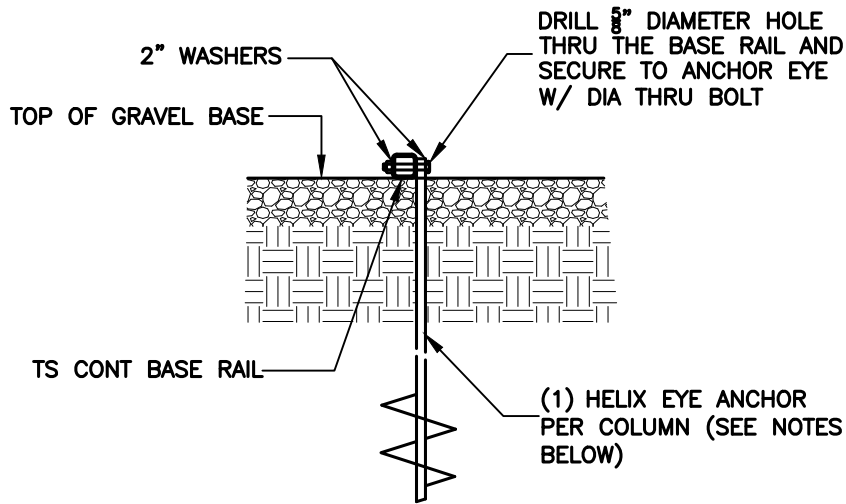
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SOIL NAIL BASE RAIL ANCHORAGE



1
S8
BASE RAIL ANCHORAGE DETAIL
 SCALE: 3/4" = 1'-0"

HELIX EMBEDMENT INFORMATION:

FOR VERY DENSE OR CEMENTED SANDS, COARSE GRAVEL, COBBLES, CALICHE, PRELOADED SILTS AND CLAYS, USE MIN. (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 20'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR CORAL, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 20'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR MED DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILTS, AND CLAYS, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 20'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, USE MIN (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT - ONE EACH END BASE RAIL AND 20'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS AND ALLUVIAL FILL, USE MIN (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT - ONE EACH END BASE RAIL AND 20'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

NOTE:

IN ALL CASES, IF FROST DEPTH EXCEEDS STATED DEPTH, ANCHOR SHOULD EXTEND A MIN. OF 12" BELOW FROST LINE.



5 STAR
METAL BUILDINGS
 2425 OLD HIGHWAY 601
 MOUNT AIRY, NORTH CAROLINA 27030
 TELE: 844-308-9705

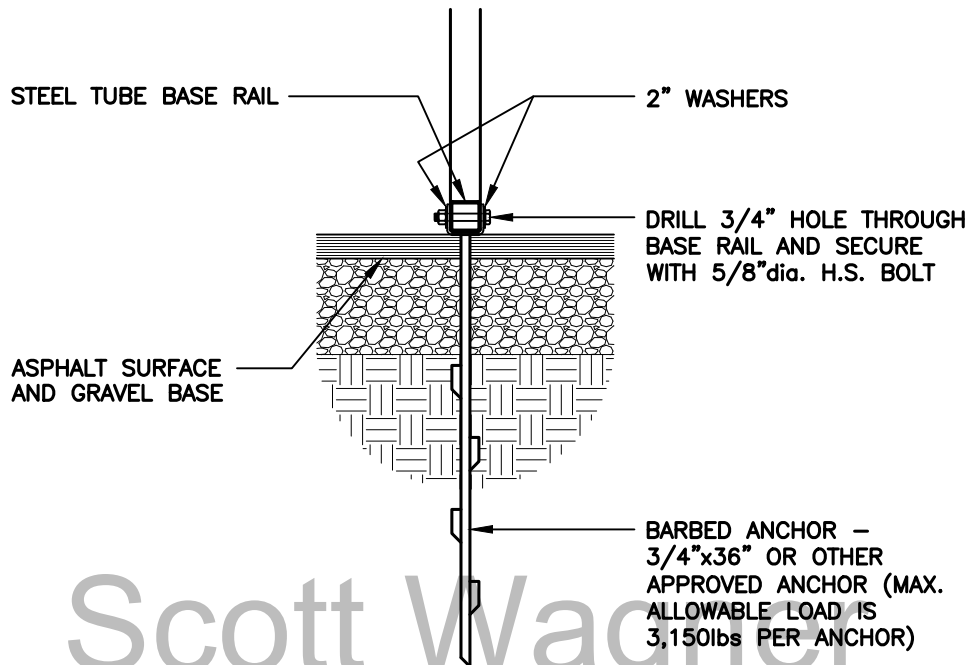
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ASPHALT ANCHOR BASE RAIL ANCHORAGE



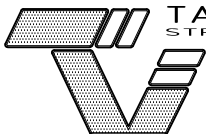
Scott Wagner

437 S. Denise Ave
Coats NC 27521

1
SBA

ASPHALT / BASE RAIL ANCHORAGE DETAIL

SCALE: 3/4" = 1'-0"



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5 STAR
METAL BUILDINGS

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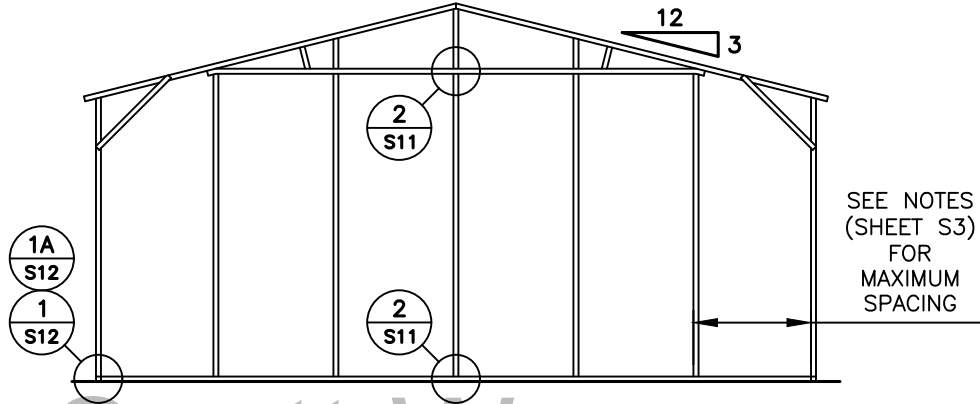
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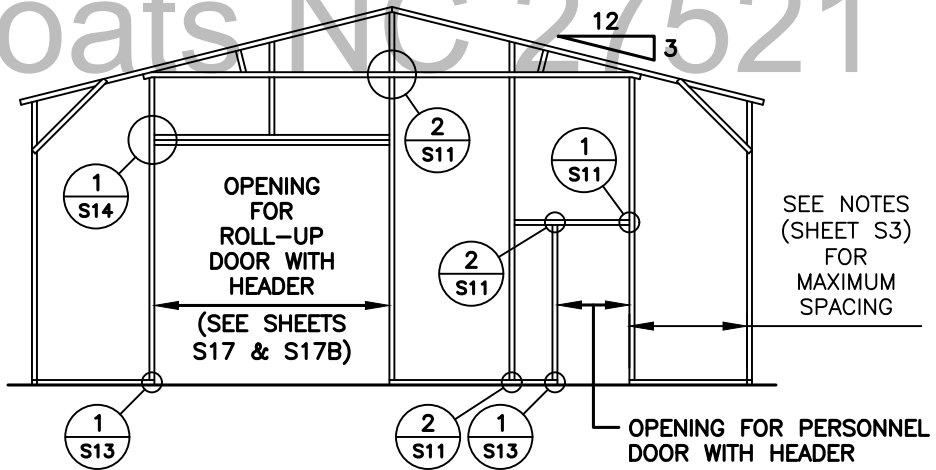
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BOX EVE RAFTER END WALL OPENINGS

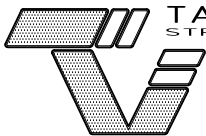


TYPICAL BOX EVE RAFTER / END WALL COLUMN FRAME SECTION

NOTE:
 ROLL UP DOORS SHALL
 HAVE ONE JAMB EACH
 SIDE + ONE FRAME
 COLUMN BETWEEN OR SITE
 SPECIFIC SHALL BE REQ'D.



TYPICAL BOX EVE RAFTER END WALL OPENINGS FRAMING SECTION



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5 STAR
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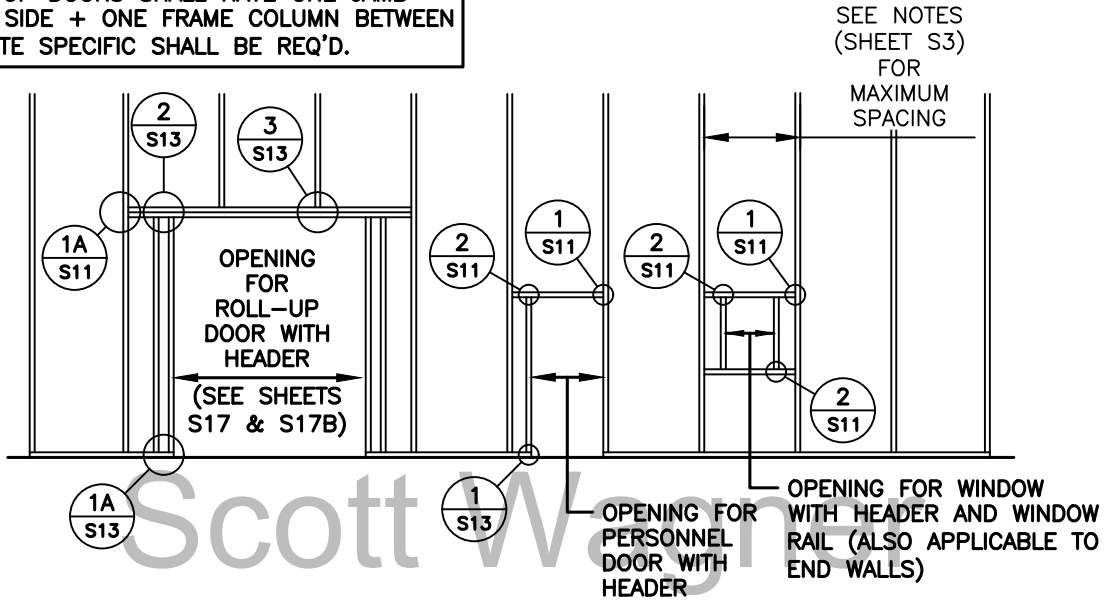
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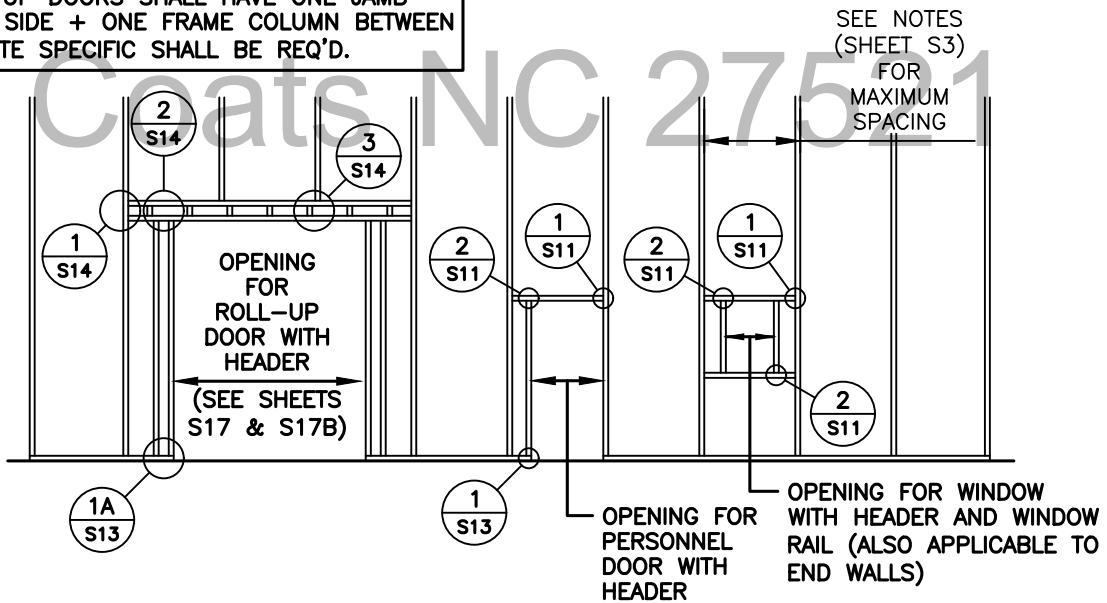
BOX EVE RAFTER END WALL AND SIDE WALL OPENINGS

NOTE:
 ROLL UP DOORS SHALL HAVE ONE JAMB
 EACH SIDE + ONE FRAME COLUMN BETWEEN
 OR SITE SPECIFIC SHALL BE REQ'D.



TYPICAL END WALL OPENING FRAMING SECTION

NOTE:
 ROLL UP DOORS SHALL HAVE ONE JAMB
 EACH SIDE + ONE FRAME COLUMN BETWEEN
 OR SITE SPECIFIC SHALL BE REQ'D.



TYPICAL SIDE WALL OPENING FRAMING SECTION



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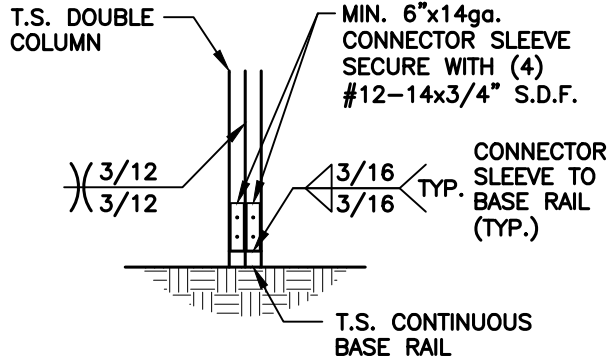
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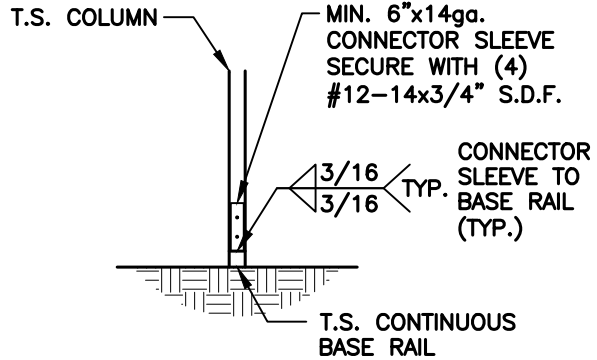
CONNECTION DETAILS



**POST / BASE RAIL
CONNECTION DETAIL**

1
S10

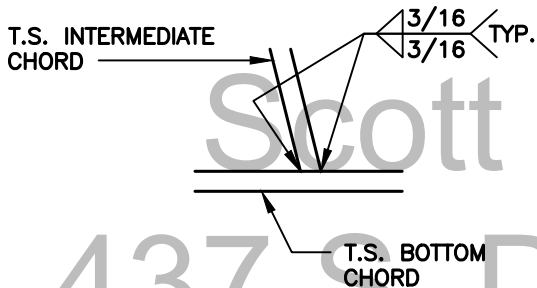
SCALE: 1/2" = 1'-0"



**POST / BASE RAIL
CONNECTION DETAIL**

1A
S10

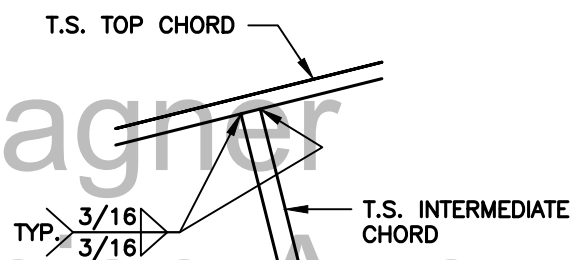
SCALE: 1/2" = 1'-0"



**INTERMEDIATE CHORD
TO BOTTOM CHORD
CONNECTION DETAIL**

2
S10

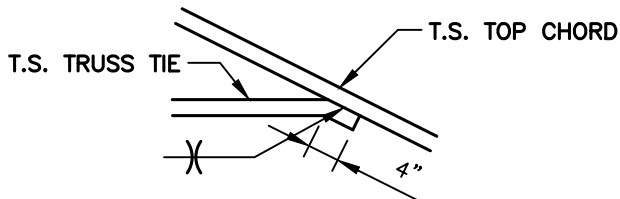
SCALE: 1/2" = 1'-0"



**INTERMEDIATE CHORD TO TOP
CHORD CONNECTION DETAIL**

3
S10

SCALE: 1/2" = 1'-0"



**TRUSS TIE
CONNECTION DETAIL**

4
S10

SCALE: 1/2" = 1'-0"



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**5 STAR
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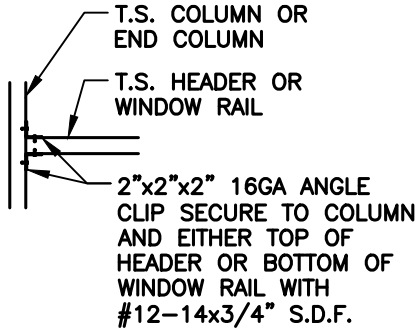
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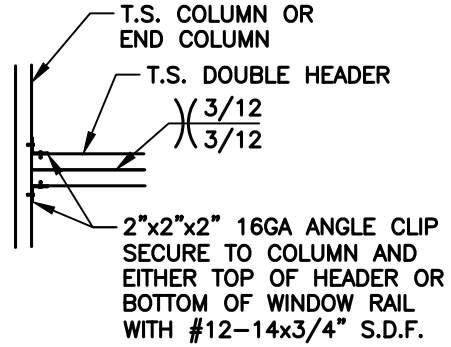
CONNECTION DETAILS



COLUMN OR WINDOW
RAIL / WALL GIRT TO POST
CONNECTION DETAIL

1
S11

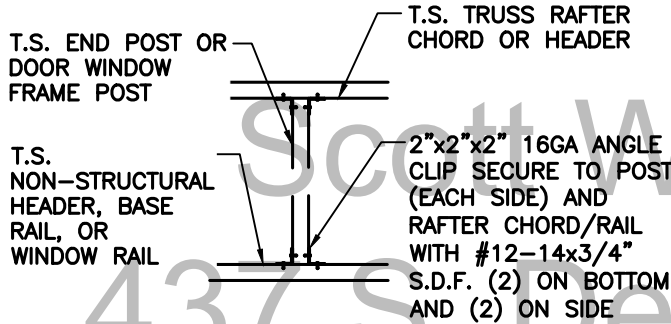
SCALE: 1/2" = 1'-0"



COLUMN / DOUBLE HEADER
CONNECTION DETAIL

1A
S11

SCALE: 1/2" = 1'-0"



DOOR OR WINDOW HEADER
RAIL TO POST CONNECTION
DETAIL

2
S11

SCALE: 1/2" = 1'-0"



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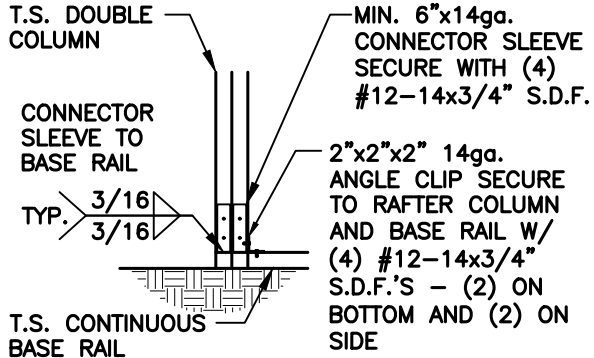
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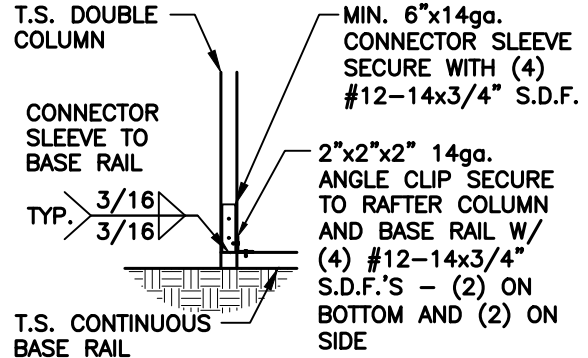
CONNECTION DETAILS



END COLUMN / BASE RAIL
CONNECTION DETAIL

1
S12

SCALE: 1/2" = 1'-0"

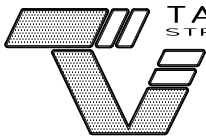


END COLUMN / BASE RAIL
CONNECTION DETAIL

1A
S12

SCALE: 1/2" = 1'-0"

Scott Wagner
437 S. Denise Ave
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5 STAR
METAL BUILDINGS

2425 OLD HIGHWAY 601
MOUNT AIRY, NORTH CAROLINA 27030
TELE: 844-308-9705

DRAWN BY:
BKS

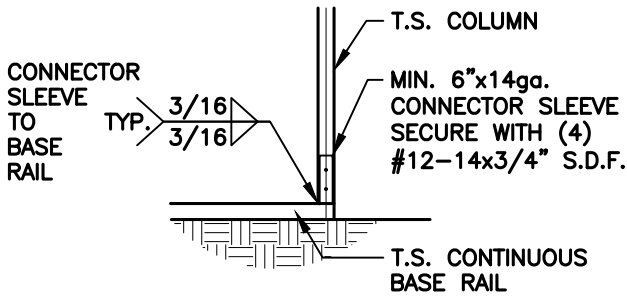
PROJECT NO:
23-501

DATE:
2024.01.22

SHEET NO:
S12

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

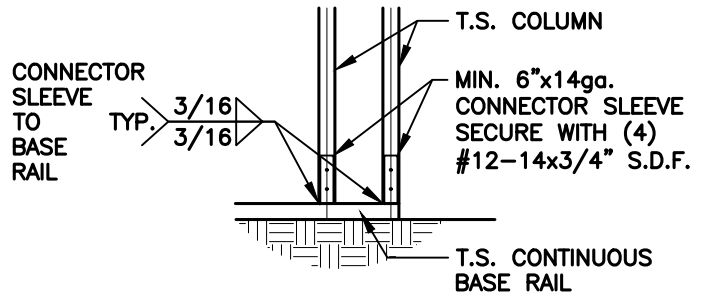
CONNECTION DETAILS



1
COLUMN / BASE RAIL
CONNECTION DETAIL

S13

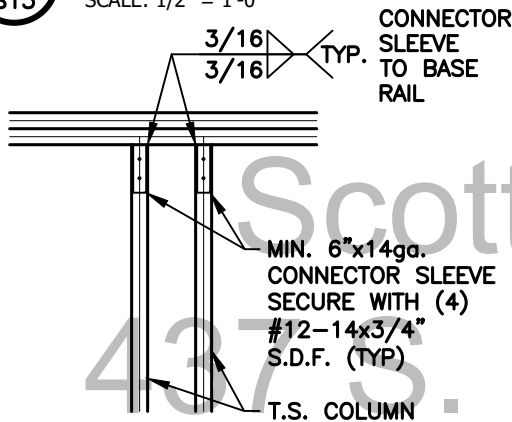
SCALE: 1/2" = 1'-0"



1A
COLUMN / BASE RAIL
CONNECTION DETAIL

S13

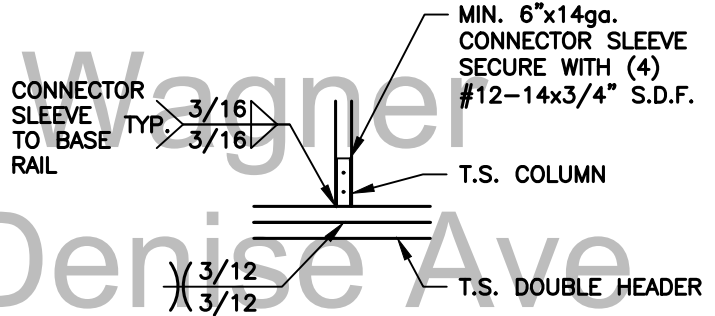
SCALE: 1/2" = 1'-0"



2
DOUBLE HEADER / COLUMN
CONNECTION DETAIL

S13

SCALE: 1/2" = 1'-0"



3
COLUMN / DOUBLE HEADER
CONNECTION DETAIL

S13

SCALE: 1/2" = 1'-0"



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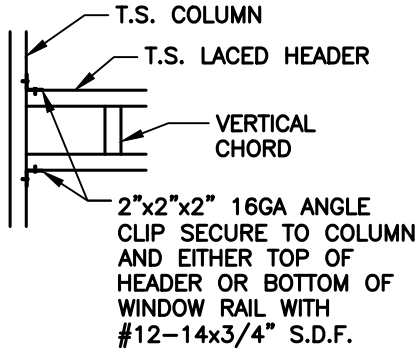
PROJECT NO:
23-501

DATE:
2024.01.22

SHEET NO:
S13

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

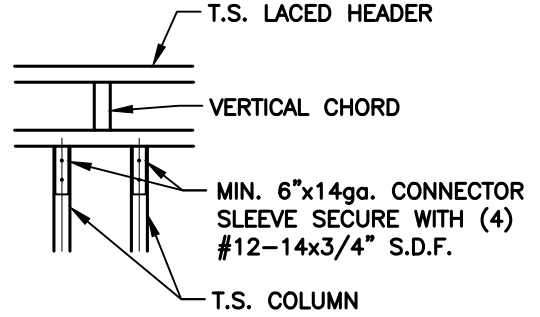
CONNECTION DETAILS



1
COLUMN / LACED HEADER
CONNECTION DETAIL

S14

SCALE: 1/2" = 1'-0"

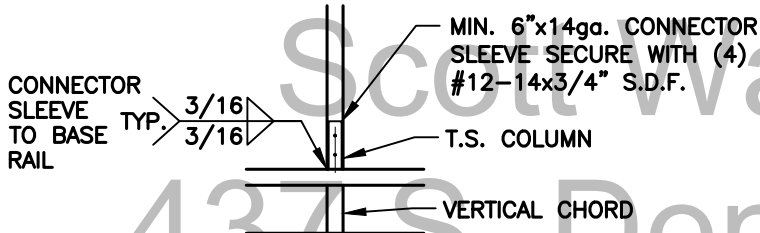


2
LACED HEADER / COLUMN
CONNECTION DETAIL

S14

SCALE: 1/2" = 1'-0"

CONCRETE BASE RAIL ANCHORAGE



3
COLUMN / LACED HEADER
CONNECTION DETAIL

S14

SCALE: 1/2" = 1'-0"



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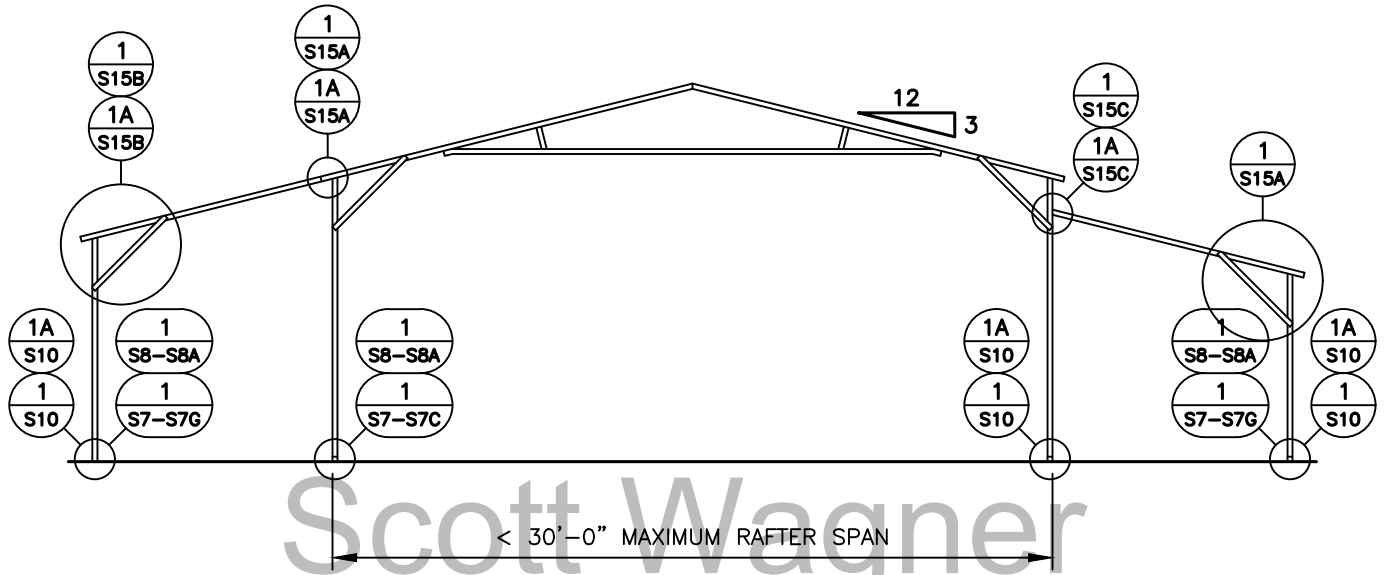
PROJECT NO:
23-501

DATE:
2024.01.22

SHEET NO:
S14

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

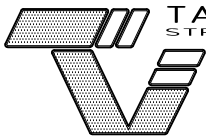
BOX EVE RAFTER LEAN-TO OPTIONS



TYPICAL LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

MAXIMUM WIDTH OF SINGLE MEMBER ROOF EXTENSION AND LEAN-TO OPTION IS 12'-0"
 MAXIMUM WIDTH OF DOUBLE MEMBER ROOF EXTENSION AND LEAN-TO IS 15'-0"
 12'-0" MAX. LEAN-TO HEIGHT WITH SINGLE COLUMN
 16'-0" MAX. LEAN-TO HEIGHT WITH DOUBLE COLUMN

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Coats NC 27521



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5 STAR
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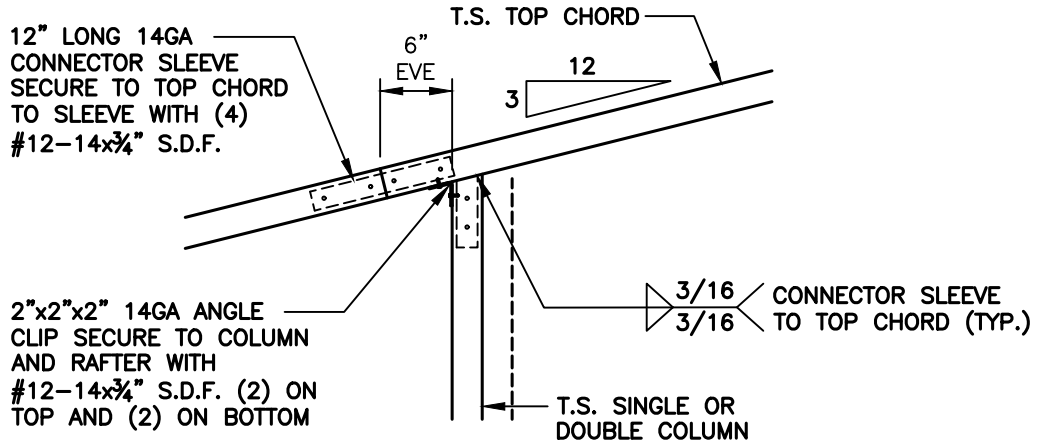
PROJECT NO:
23-501

DATE:
2024.01.22

SHEET NO:
S15

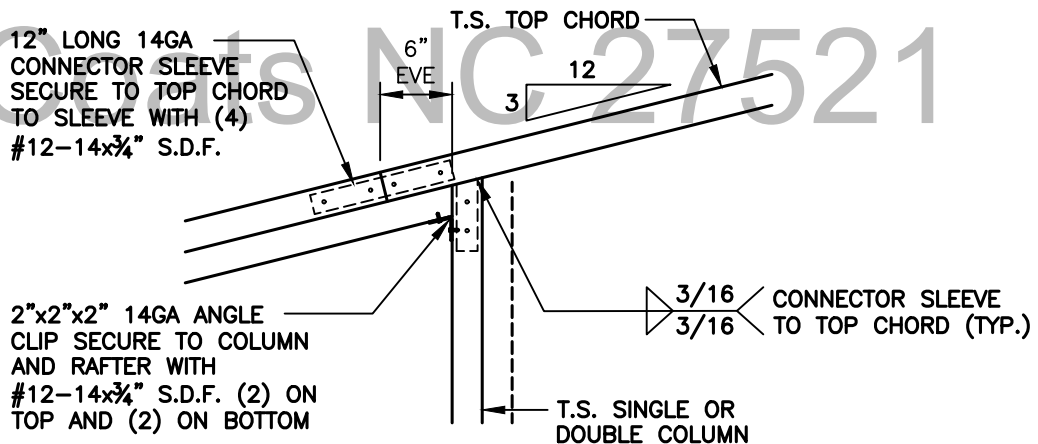
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

LEAN-TO CONNECTION DETAILS

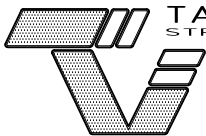


1
S15A ROOF EXTENSION RAFTER / CORNER POST
DETAIL FOR WIDTHS < 12'-0"
SCALE: 3/4" = 1'-0"

437 S. Denise Ave



1A
S15A ROOF EXTENSION RAFTER / CORNER POST
DETAIL FOR WIDTHS < 15'-0"
SCALE: 3/4" = 1'-0"



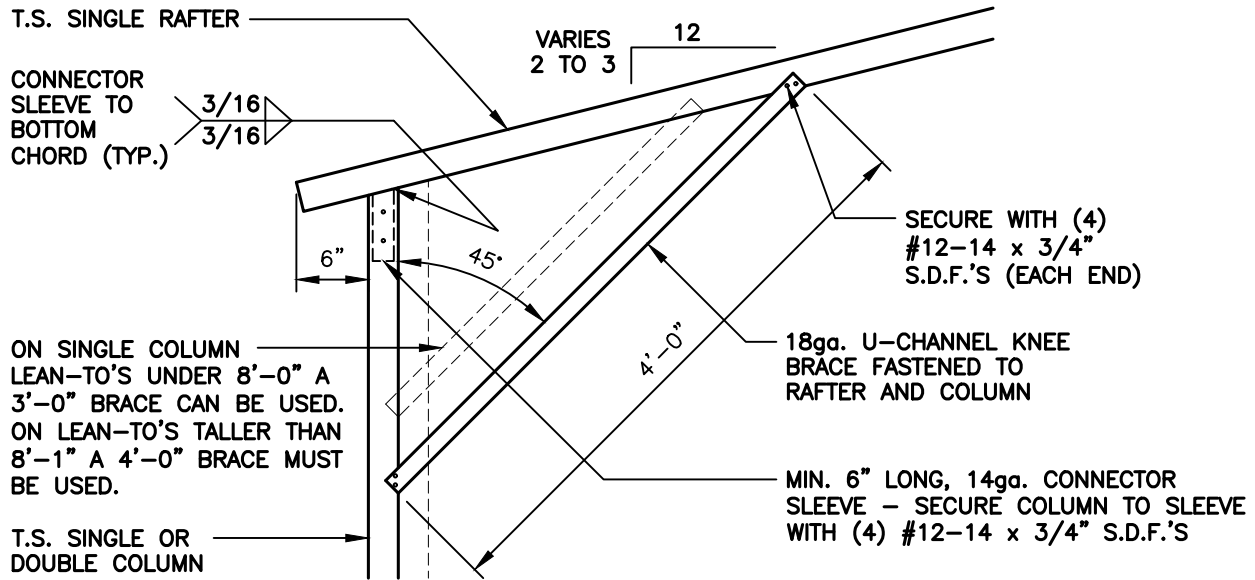
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5 STAR
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MOUNT AIRY, NORTH CAROLINA 27030
TELE: 844-308-9705

DRAWN BY: BKS	PROJECT NO: 23-501
DATE: 2024.01.22	SHEET NO: S15A

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

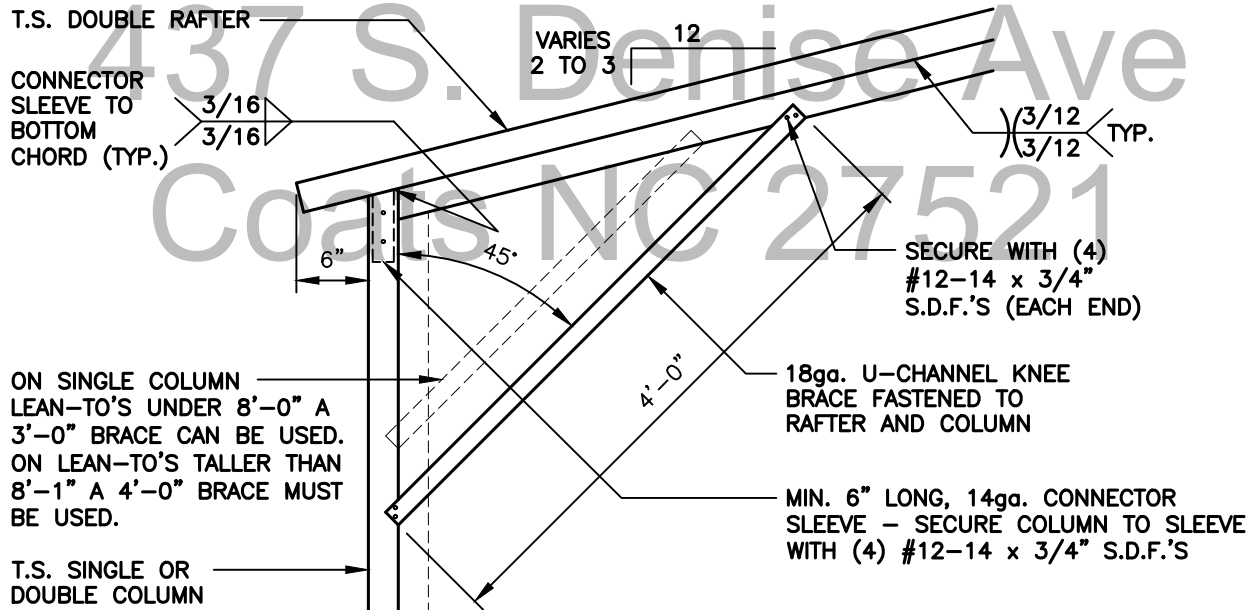
LEAN-TO CONNECTION DETAILS - SINGLE COLUMN



LEAN-TO SINGLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

1
S15B

SCALE: 3/4" = 1'-0"



LEAN-TO DOUBLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

1A
S15B

SCALE: 3/4" = 1'-0"



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METAL BUILDINGS
2425 OLD HIGHWAY 601
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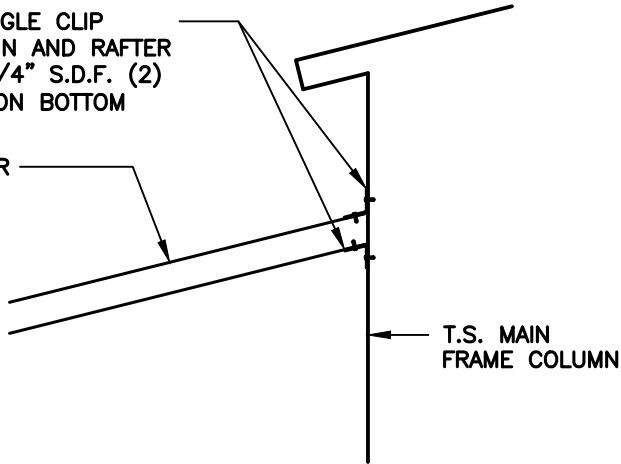
DATE:
2024.01.22

SHEET NO:
S15B

LEAN-TO / MAIN FRAME CONNECTION DETAILS

2"x2"x2" 14ga. ANGLE CLIP
SECURE TO COLUMN AND RAFTER
WITH #12-14 x 3/4" S.D.F. (2)
ON TOP AND (2) ON BOTTOM

T.S. SINGLE RAFTER



LEAN-TO SINGLE RAFTER / BUILDING FRAME
CONNECTION DETAIL

1
S15C

SCALE: 3/4" = 1'-0"

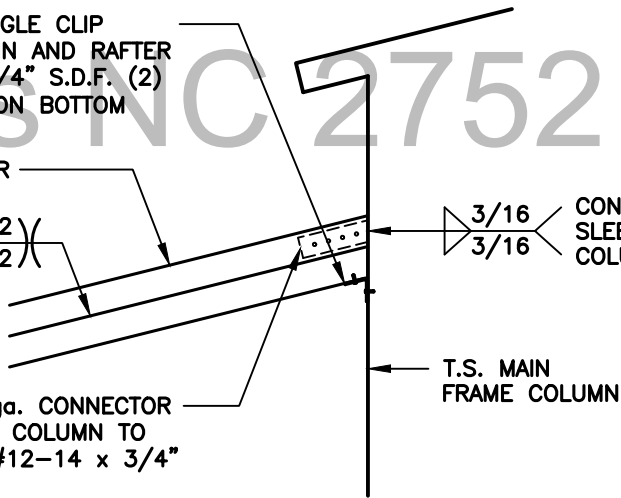
2"x2"x2" 14ga. ANGLE CLIP
SECURE TO COLUMN AND RAFTER
WITH #12-14 x 3/4" S.D.F. (2)
ON TOP AND (2) ON BOTTOM

T.S. SINGLE RAFTER

TYP. $\frac{3}{12}$ / $\frac{3}{12}$

$\frac{3}{16}$ / $\frac{3}{16}$ CONNECTOR
SLEEVE TO
COLUMN

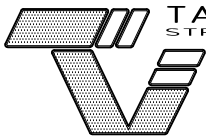
MIN. 6" LONG, 14ga. CONNECTOR
SLEEVE - SECURE COLUMN TO
SLEEVE WITH (4) #12-14 x 3/4"
S.D.F.'S



LEAN-TO DOUBLE RAFTER / BUILDING FRAME
CONNECTION DETAIL

1A
S15C

SCALE: 3/4" = 1'-0"



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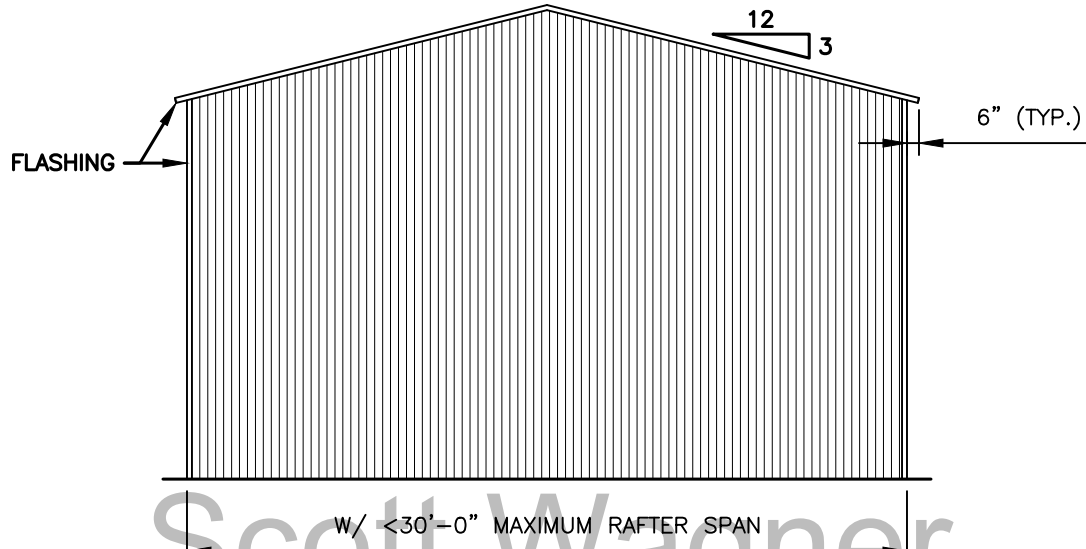
PROJECT NO:
23-501

DATE:
2024.01.22

SHEET NO:
S15C

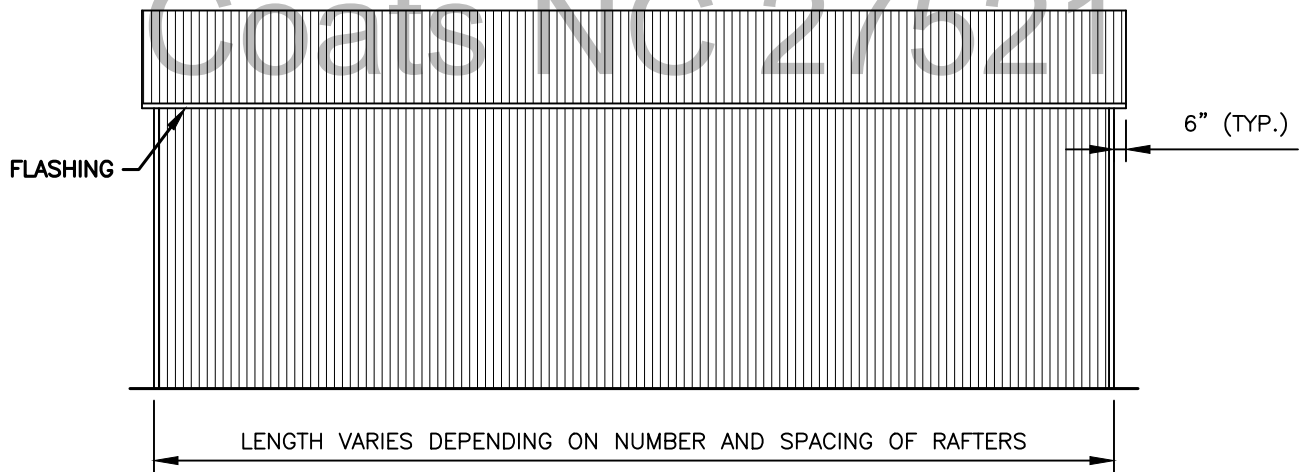
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VERTICAL ROOF / SIDING OPTION

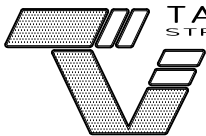


TYPICAL END ELEVATION - VERTICAL ROOF / SIDING

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TYPICAL SIDE ELEVATION - VERTICAL ROOF / SIDING



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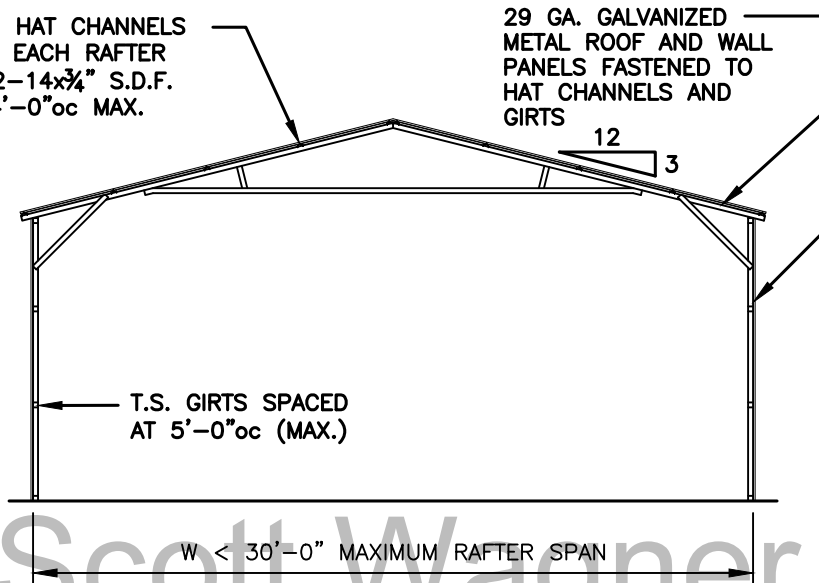
SHEET NO:
S16

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

VERTICAL ROOF / SIDING OPTION

1.125"-18ga. HAT CHANNELS FASTENED TO EACH RAFTER WITH (2) #12-14x3/4" S.D.F. SPACED AT 4'-0"oc MAX.

29 GA. GALVANIZED METAL ROOF AND WALL PANELS FASTENED TO HAT CHANNELS AND GIRTS



T.S. GIRTS SPACED AT 5'-0"oc (MAX.)

W < 30'-0" MAXIMUM RAFTER SPAN

TYPICAL SECTION VERTICAL ROOF / SIDING OPTION

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR
2-1/4"x2-1/4"x14ga. MATERIAL
MAY BE USED FOR TRUSS METAL.

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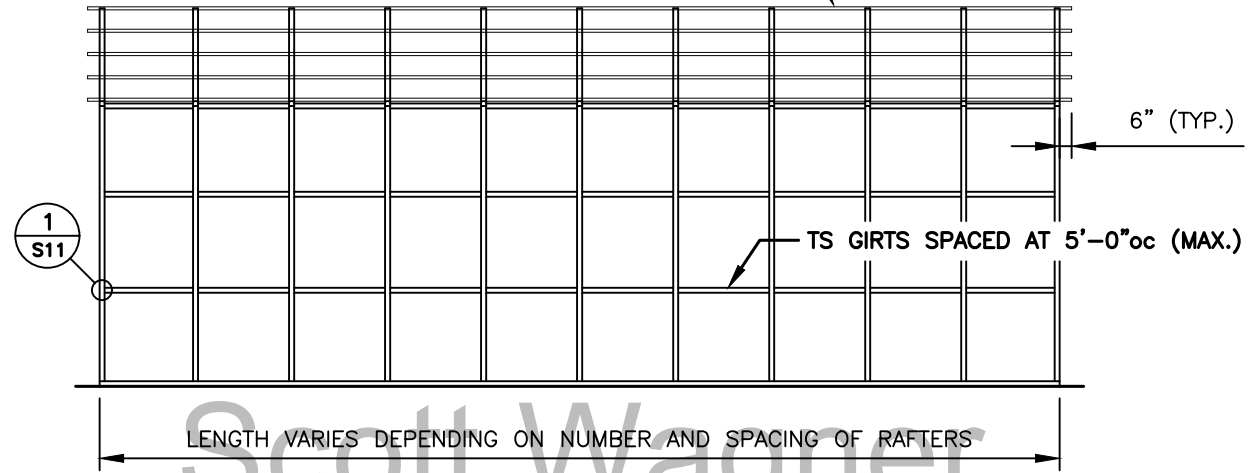
SHEET NO:
S16A

NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDAR YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

VERTICAL ROOF / SIDING OPTION

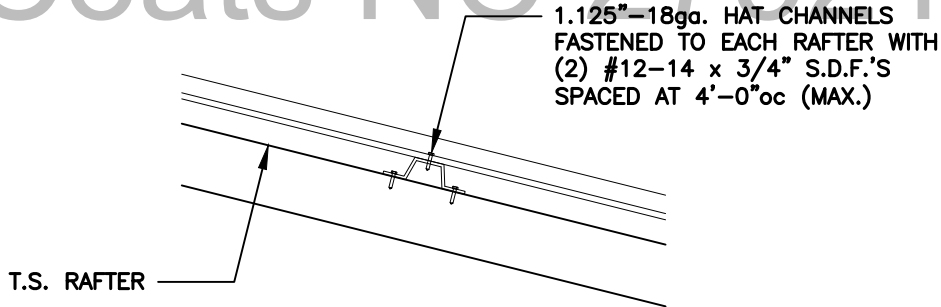
SEE NOTES
(SHEET S3)
FOR MAXIMUM
SPACING

1.125"-18ga. HAT CHANNELS
FASTENED TO EACH RAFTER
WITH (2) #12-14x3/4" S.D.F.
SPACED AT 4'-0"oc MAX.

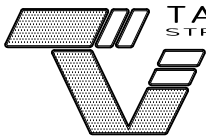


TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION

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(TYPICAL) ROOF PANEL ATTACHMENT



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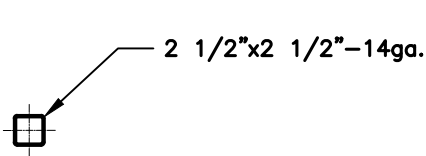
PROJECT NO:
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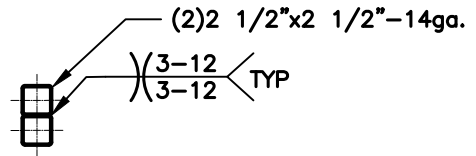
SHEET NO:
S16B

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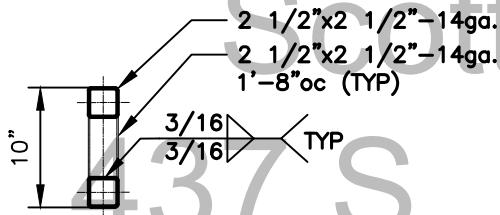
SIDE WALL HEADER OPTIONS



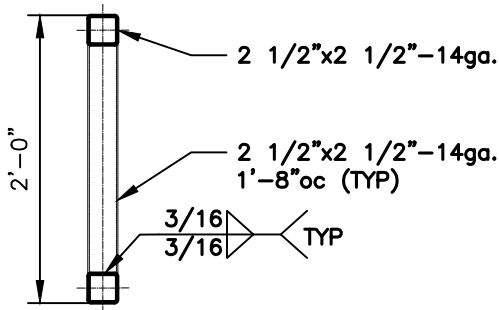
HEADER DETAIL FOR DOOR
OPENINGS < 4'-0"
 NTS



HEADER DETAIL FOR DOOR
OPENINGS 4'-1" < TO < 12'-0"
 NTS



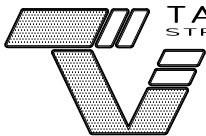
LACED HEADER DETAIL FOR DOOR
OPENINGS 12'-1" < TO < 15'-0"
 NTS



LACED HEADER DETAIL FOR DOOR
OPENINGS 15'-1" < TO < 20'-0"

GENERAL NOTE:

PROVIDE DOUBLE WYTHE HEADER
 ON DOUBLE COLUMNS AND LACED
 COLUMNS

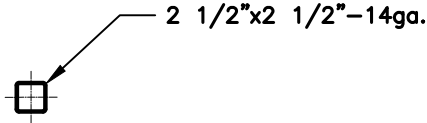


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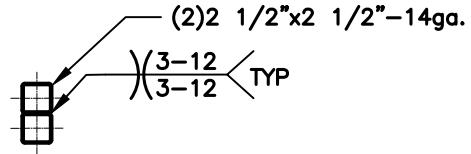
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DATE: 2024.01.22	SHEET NO: S17

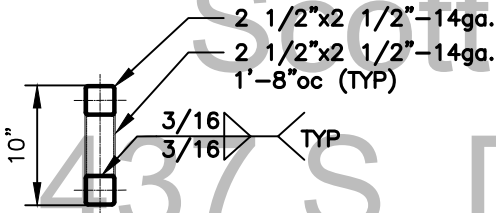
END WALL HEADER OPTIONS



HEADER DETAIL FOR DOOR
OPENINGS < 7'-0"
 NTS



HEADER DETAIL FOR DOOR
OPENINGS 7'-1" < TO < 16'-0"
 NTS



LACED HEADER DETAIL FOR DOOR
OPENINGS 16'-1" < TO < 20'-0"
 NTS

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GENERAL NOTE:

 PROVIDE DOUBLE WYTHE HEADER
 ON DOUBLE COLUMNS AND LACED
 COLUMNS

 <p>TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW.TAYLORVIOLA.COM</p>	<p>5 STAR METAL BUILDINGS 2425 OLD HIGHWAY 601 MOUNT AIRY, NORTH CAROLINA 27030 TELE: 844-308-9705</p>	DRAWN BY: BKS	PROJECT NO: 23-501
		DATE: 2024.01.22	SHEET NO: S17A

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