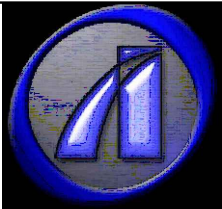


ENCLOSED GABLE END BUILDING

MAXIMUM 30'-0" WIDE 20'-0" EAVE HIGHT BOX FRAME / UP TO 145 M.P.H. WIND ZONE -  
35 P.S.F SNOW LOAD FOR CARPORTS & GARGES ONLY

FOR  
HIGH QUALITY STEEL STRUCTURE  
2267 N Andy Griffith Parkway, Mt Airy, NC 27030  
#366-600-4833



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DESCRIPTION	DATE	ISSUE							
	xxx	xxx							

SHEET NAME:  
Cover

ISSUE DATE: 04/15/2025

CLIENT:  
HIGH QUALITY STEEL STRUCTURES  
ADDRESS:  
2267 N Andy Griffith Parkway,  
Mt Airy, NC 27030


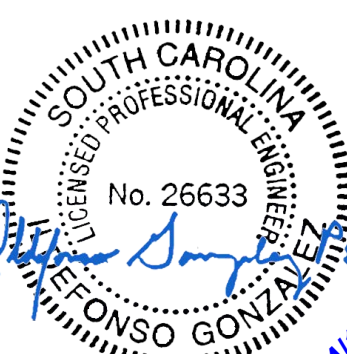

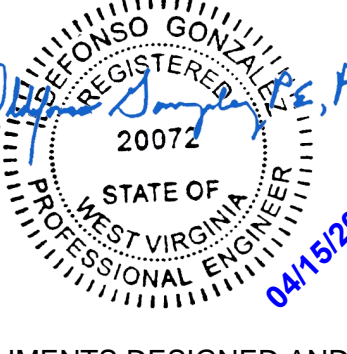

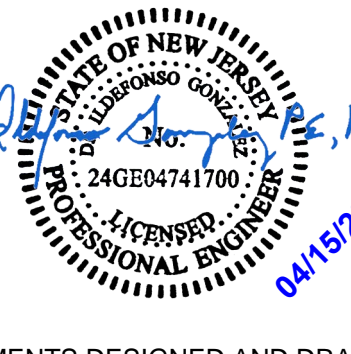





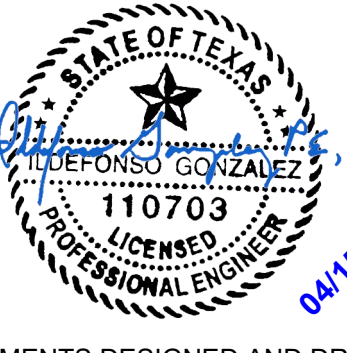
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PROJECT NUMBER: #B2504027

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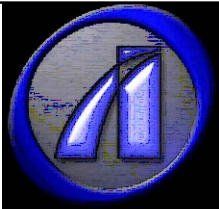
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10	<div><p>Dr. Ildefonso Gonzalez PE, PhD</p><p>04/15/2025</p></div> <div>DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2021 BUILDING CODE OF ALABAMA (2021 IBC)</div>		<div><p>Dr. Ildefonso Gonzalez PE, PhD</p><p>04/15/2025</p></div> <div>DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 BUILDING CODE OF North Carolina (2018 IBC)</div>		<div><p>Dr. Ildefonso Gonzalez PE, PhD</p><p>04/15/2025</p></div> <div>DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2021 IBC</div>		<div><p>Dr. Ildefonso Gonzalez PE, PhD</p><p>04/15/2025</p></div> <div>DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC</div>		<div><p>Dr. Ildefonso Gonzalez PE, PhD</p><p>04/15/2025</p></div> <div>DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC</div>		<div><p>THIS DRAWING IS PRELIMINARY UNTIL SIGNED AND SEALED BY THE LICENSED PROFESSIONAL NOTED BELOW.</p><p>PROFESSIONAL SEAL</p></div>																														
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SHEET NUMBER	SHEET TITLE
S.0	COVER PAGE
S.1	SEALED SHEET
S.2	DRAWING INDEX
S.3	GENERAL NOTES & SPECIFICATIONS
S.4	ELEVATIONS & SECTION
S.4A	ELEVATIONS & SECTION
S.4B	ELEVATIONS & SECTION
S.4C	ELEVATIONS & SECTION
S.5	TYPICAL SECTIONS
S.5A	TYPICAL SECTIONS
S.5B	TYPICAL SECTIONS
S.5C	TYPICAL SECTIONS
S.6	BOX EAVE / CORNER POST CONNEC
S.7	FOUNDATION DETAILS
S.8	FOUNDATION DETAILS
S.9	FOUNDATION DETAILS
S.10	FOUNDATION DETAILS
S.11	BOX EVE RAFTER END WALL AND SI
S.12	DETAILS
S.13	DETAILS
S.14	BOX EVE RAFTER LEAN-TO OPTIONS
S.15	DETAILS
S.16	VERTICAL ROOF / SIDING OPTION
S.17	DETAILS



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SHEET NAME:

## Sheet Index

ISSUE DATE: 04/15/2025

[illegible]

CLIENT: HIGH QUALITY STEEL STRUCTURES

ADDRESS: 2267 N Andy Griffith Parkway,  
Mt Airy, NC 27030

SHEET NUMBER: S2


PROJECT NUMBER: #B2504027

DRAWN BY: HMO

CHECKED BY: MRZ

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<div>DESIGN LOADS:</div> <div>IMPORTANCE FACTORS<div>WIND(1w)1.00</div><div>SNOW(1s)1.00</div><div>SEISMIC(1e)1.00</div></div> <div>DEAD LOADS<div>ROOF13P.S.F.</div><div>R00F COLLATERAL0P.S.F.</div></div> <div>LIVE LOADS<div>ROOF20P.S.F.</div></div> <div>GROUND SNOW LOAD:35/43.5P.S.F. * DRIFT LOAD HAS NOT BEEN CALCULATED</div> <div>WIND LOAD:<div>BASIC WIND SPEED145M.P.H. (ASCE 7-16)</div><div>EXPOSURE CATAGORYB</div></div> <div>SEISMIC DESIGN CATAGORY<div><input type="checkbox"/>A<input type="checkbox"/>B<input checked="" type="checkbox"/>C<input type="checkbox"/>D</div></div> <div>PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:</div> <div>OCCUPANCY CATEGORYI/II *NOT FOR SLEEPING QUARTERS</div> <div>SPECTRAL RESPONSE ACCELERATION<div>Ss20.5%g</div><div>S18.8%g</div></div> <div>SITE CLASSIFICATION<div>D<input type="checkbox"/> FIELD TEST<input type="checkbox"/> PRESUMPTIVE<input type="checkbox"/> HISTORICAL DATA</div></div> <div>BASIC STRUCTURAL SYSTEM (CHECK ONE)<div><div><div>BEARING WALL</div><div><input checked="" type="checkbox"/>BUILDING FRAME</div><div>MOMENT FRAME</div></div><div><div>DUAL W/ SPECTRAL MOMENT FRAME</div><div>DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL</div><div>INVERTED PENDULUM</div></div></div><div>ANALYSIS PROCEDURE<div><input type="checkbox"/>SIMPLIFIED<input checked="" type="checkbox"/>EQUIVALANT LATERAL FORCE<input type="checkbox"/>MODAL</div></div><div>LATERAL DESIGN CONTROL<div><input type="checkbox"/>EARTHQUAKE<input checked="" type="checkbox"/>WIND</div></div><div>SOIL BEARING CAPACITIES:<div>PRESUMPTIVE BEARING CAPACITIES:2,000P.S.F.</div></div></div>							<div><div><div></div><div>THESE DRAWINGS ARE AN INTELLECTUAL PROPERTY OF DOTec Engineering Corp. THESE DRAWINGS ARE PRELIMINARY UNLESS ATTACHED WITH THE SEALS PAGE S.1 IN THIS DRAWING SET.</div></div><div><div>DESIGN PROFESSIONAL</div><div>DOTec Engineering</div><div>118 N 2nd St.</div><div>St. Charles, MO 63301</div><div>Ph 636-724-9872</div><div>Fx 636-385-5059</div><div>WWW.DOTECENGINEERING.COM</div><div>INFO@DOTECENGINEERING.COM</div></div><div><div><div>THE DESIGN PROFESSIONAL WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE ALLEGED BELONGING TO BE CONSTRUCTED IN FULL CONFORMANCE WITH ALL APPLICABLE CODES AND INSTRUCTIONS. DESIGN PROFESSIONAL TO BE NOTIFIED PRIOR TO CONSTRUCTION IN THE EVENT OF CODE REVISION OR CHANGES.</div><div>NOTES</div><div>THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS, MATERIALS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS &amp; PROGRAMS IN CONNECTION WITH THE WORK. THE ENGINEER DOES NOT GUARANTEE THE CONTRACTOR PERFORMANCE &amp; NO PROVISIONS OF THE CONTRACT DOCUMENTS SHALL RELIEVE THE CONTRACTOR FROM ANY LIABILITY DUE TO NEGLIGENCE, INEPTITUDE, OR ERRORS OF OMISSION OR COMMISSION OF THE CONTRACTOR.</div><div>UNAUTHORIZED CHANGES &amp; USES</div><div>THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED OF THESE PLANS.</div><div>INSTRUMENTS OF SERVICE</div><div>THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE AND REMAIN THE PROPERTY OF DOTEC ENGINEERING. THEY ARE NOT TO BE REPRODUCED OR ALTERED IN ANY WAY NOR DISCLOSED OR ASSIGNED TO ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF DOTEC ENGINEERING.</div></div></div><div><div><div>DESCRIPTION</div><div>DATE</div><div>ISSUE</div></div><table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>XXXX</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>XXXX</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div><div><div>SHEET NAME:</div><div>Sheet Index</div></div><div><div>ISSUE DATE:</div><div>04/15/2025</div></div><div><div><div>CLIENT:</div><div>HIGH QUALITY STEEL STRUCTURES</div><div>ADDRESS:</div><div>2267 N Andy Griffith Parkway,</div><div>Mt Airy, NC 27030</div></div><div><div>SHEET NUMBER:</div><div>S3</div></div><div><div>PROJECT NUMBER:</div><div>#B2504027</div></div><div><div>DRAWN BY:</div><div>HMO</div></div><div><div>CHECKED BY:</div><div>MRZ</div></div></div></div> <div><div>NOTE: THIS DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THE SHEET.</div></div>												XXXX											XXXX							
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PERSONNEL DOOR  
(AS APPLICABLE)



WINDOW  
(AS APPLICABLE)



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



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



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SHEET NAME:

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SECTIONS

ISSUE DATE: 04/15/2025

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CLIENT	Hill	ADDRESS
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SHEET NUMBER: **C4**

S4

PROJECT NUMBER: #B2504027
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DRAWN BY:	HMO
CHECKED BY:	MDZ

CHECKED BY: MRZ

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ROLL-UP DOOR  
(AS APPLICABLE)

PERSONNEL DOOR  
(AS APPLICABLE)

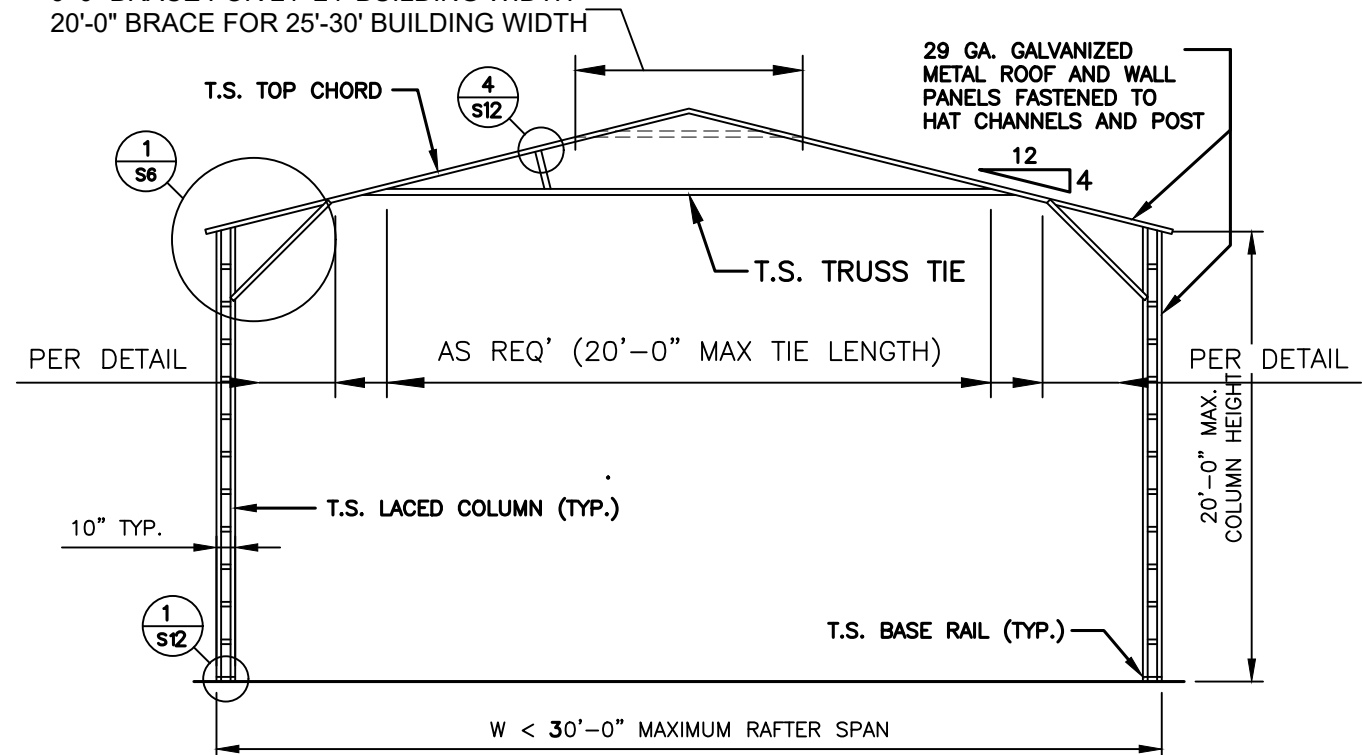
12  
4

6" (TYP.)  
FLASHING

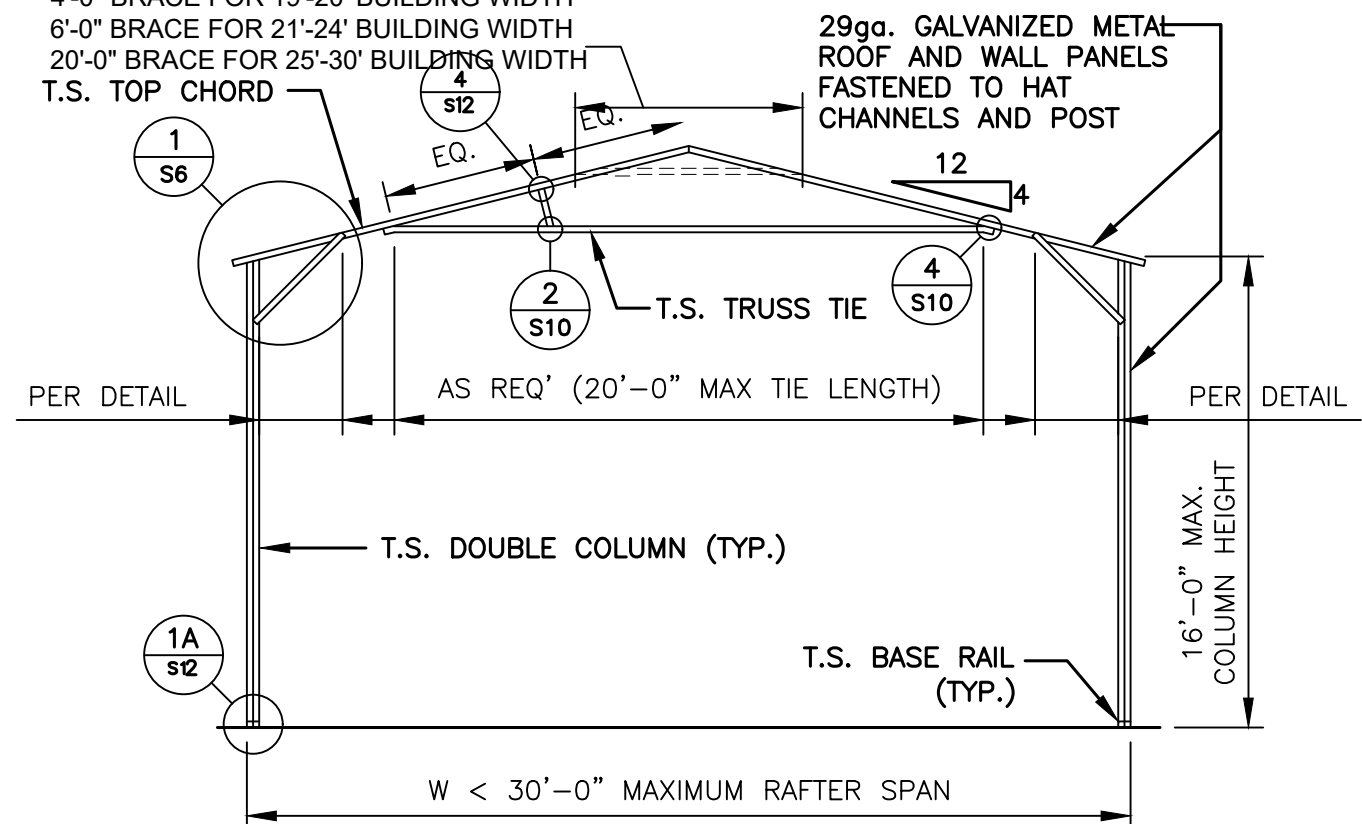
W < 30'-0" MAXIMUM RAFTER SPAN

Technical drawing of a roof assembly cross-section. The drawing shows a series of horizontal rafters with horizontal sheathing. A window is shown in the center, with a vertical line indicating its position. The text "WINDOW (AS APPLICABLE)" is written above the window. The text "6" (TYP.)" is written to the right of the roof assembly, indicating a typical dimension. The text "FLASHING" is written below the "6" (TYP.)" text. The text "LENGTH VARIES DEPENDING ON NUMBER AND SPACING OF RAFTERS" is written at the bottom of the drawing.

'U' BRACE TRUSS TIE - NOTE:  
2'-0" BRACE FOR 12'-18' BUILDING WIDTH  
4'-0" BRACE FOR 19'-20' BUILDING WIDTH  
6'-0" BRACE FOR 21'-24' BUILDING WIDTH  
20'-0" BRACE FOR 25'-30' BUILDING WIDTH



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SECTIONS

ISSUE DATE: 04/15/2025

<p>CLIENT:</p> <p>HIGH QUALITY STEEL STRUCTURES</p>	<p>ADDRESS:</p> <p>2267 N Andy Griffith Parkway, Mt Airy, NC 27030</p>
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SHEET NUMBER:

S4A

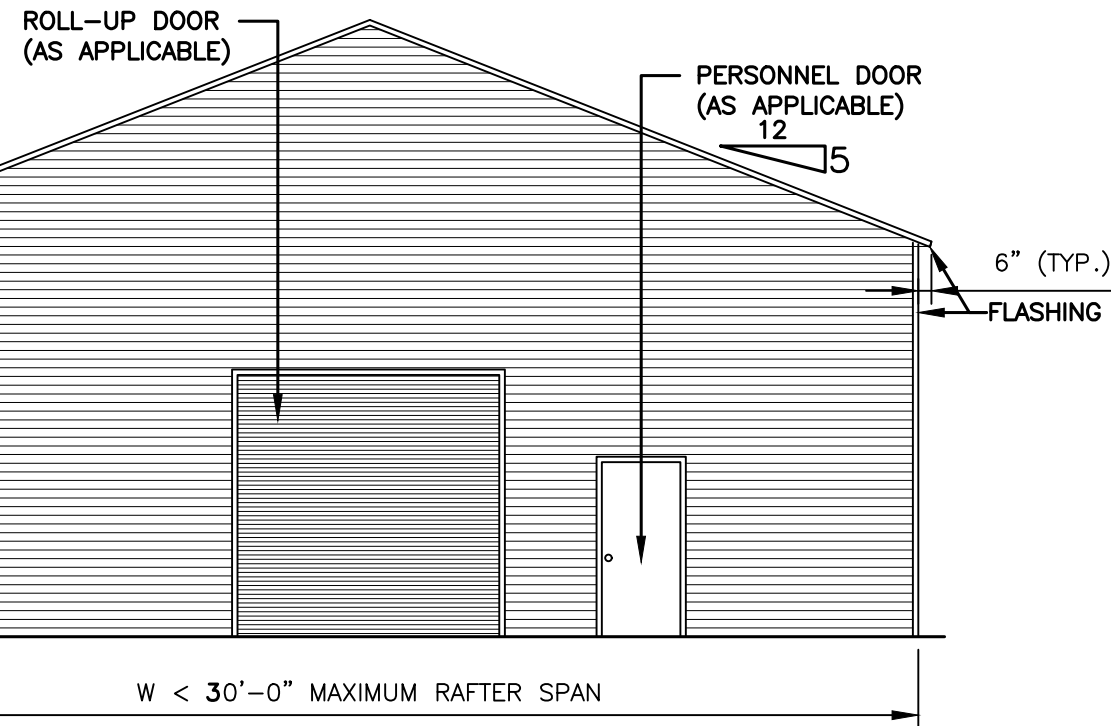
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PROJECT NUMBER:	#D2504027
DRAWN BY:	HMO

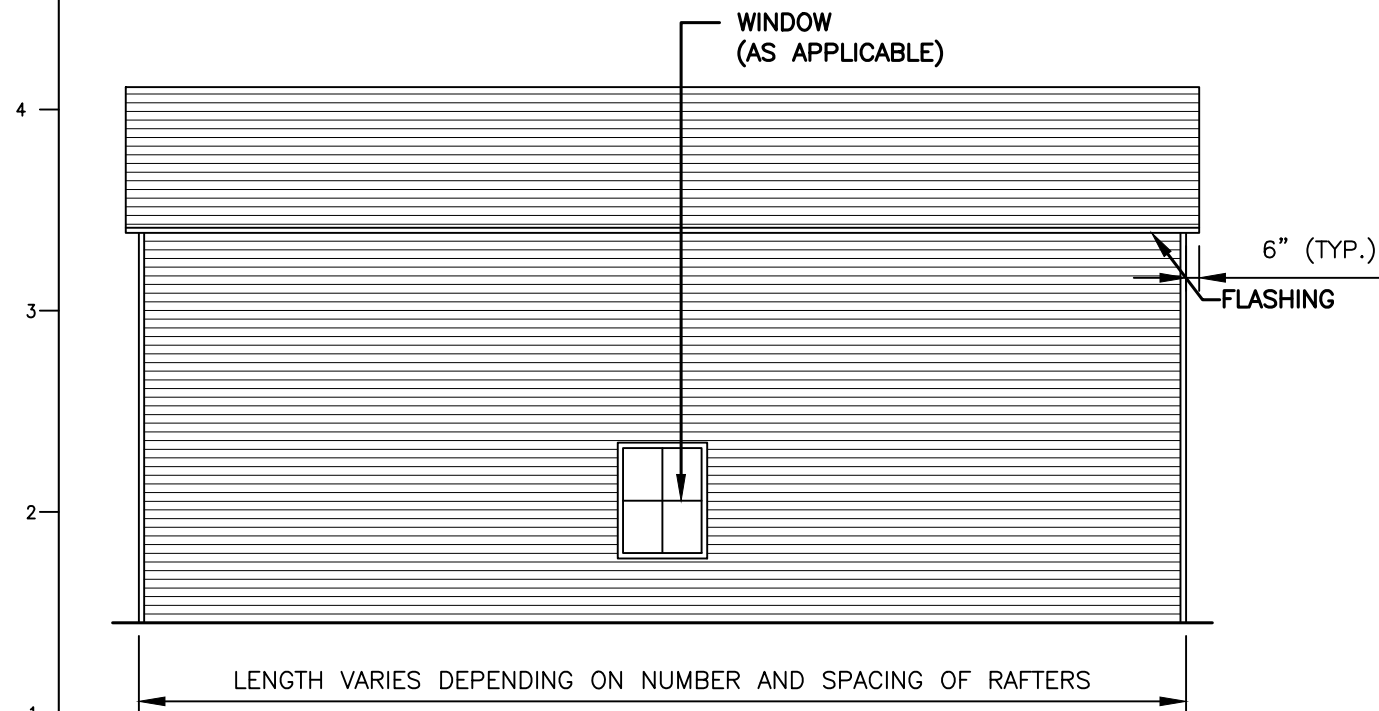
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## BOX EVE FRAME RAFTER STURCTURE

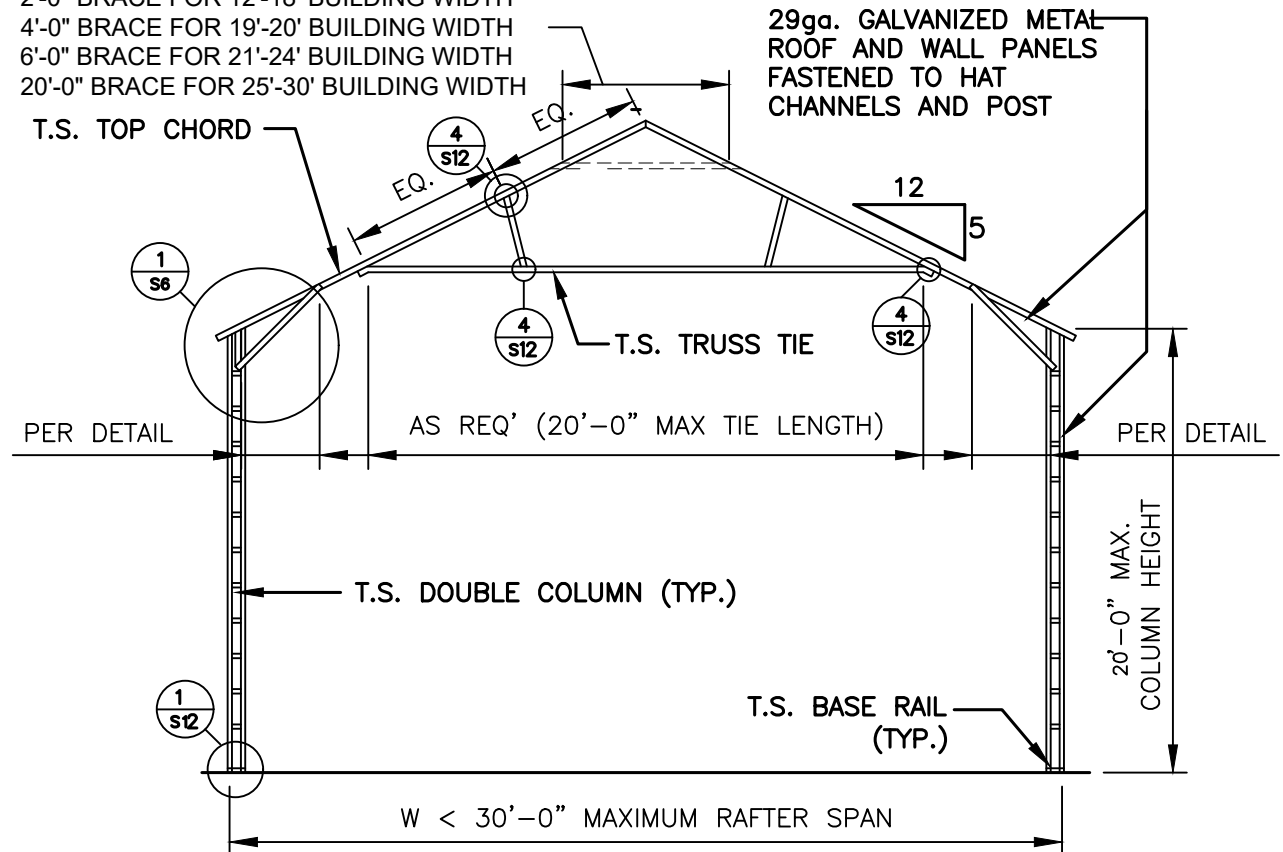


### TYPICAL END ELEVATION



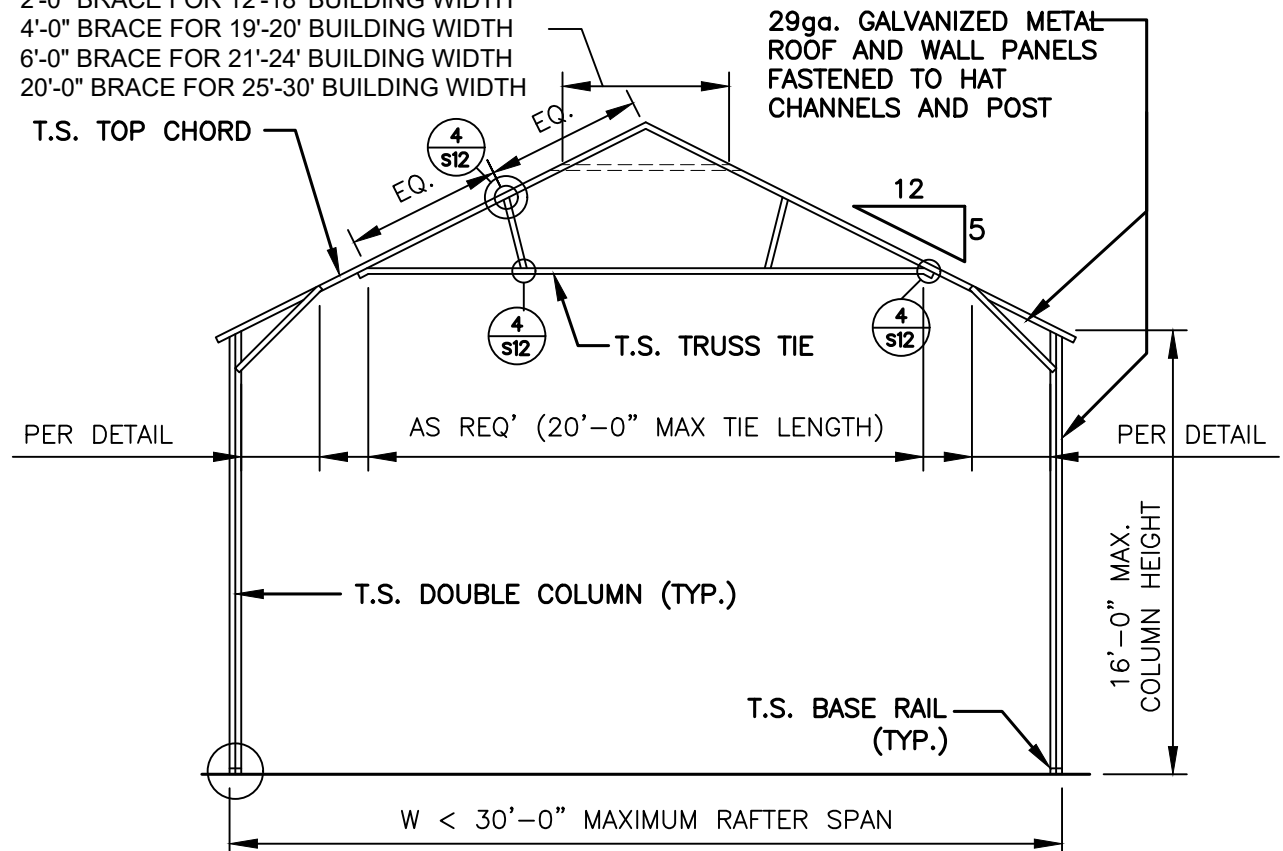
### TYPICAL SIDE ELEVATION

**'U' BRACE TRUSS TIE - NOTE:**  
**2'-0" BRACE FOR 12'-18' BUILDING WIDTH**  
**4'-0" BRACE FOR 19'-20' BUILDING WIDTH**  
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**20'-0" BRACE FOR 25'-30' BUILDING WIDTH**



### TYPICAL RAFTER / COLUMN FRAME SECTION

**'U' BRACE TRUSS TIE - NOTE:**  
**2'-0" BRACE FOR 12'-18' BUILDING WIDTH**  
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### TYPICAL RAFTER / COLUMN FRAME SECTION



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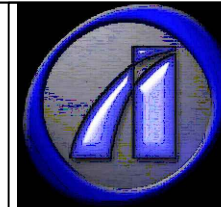
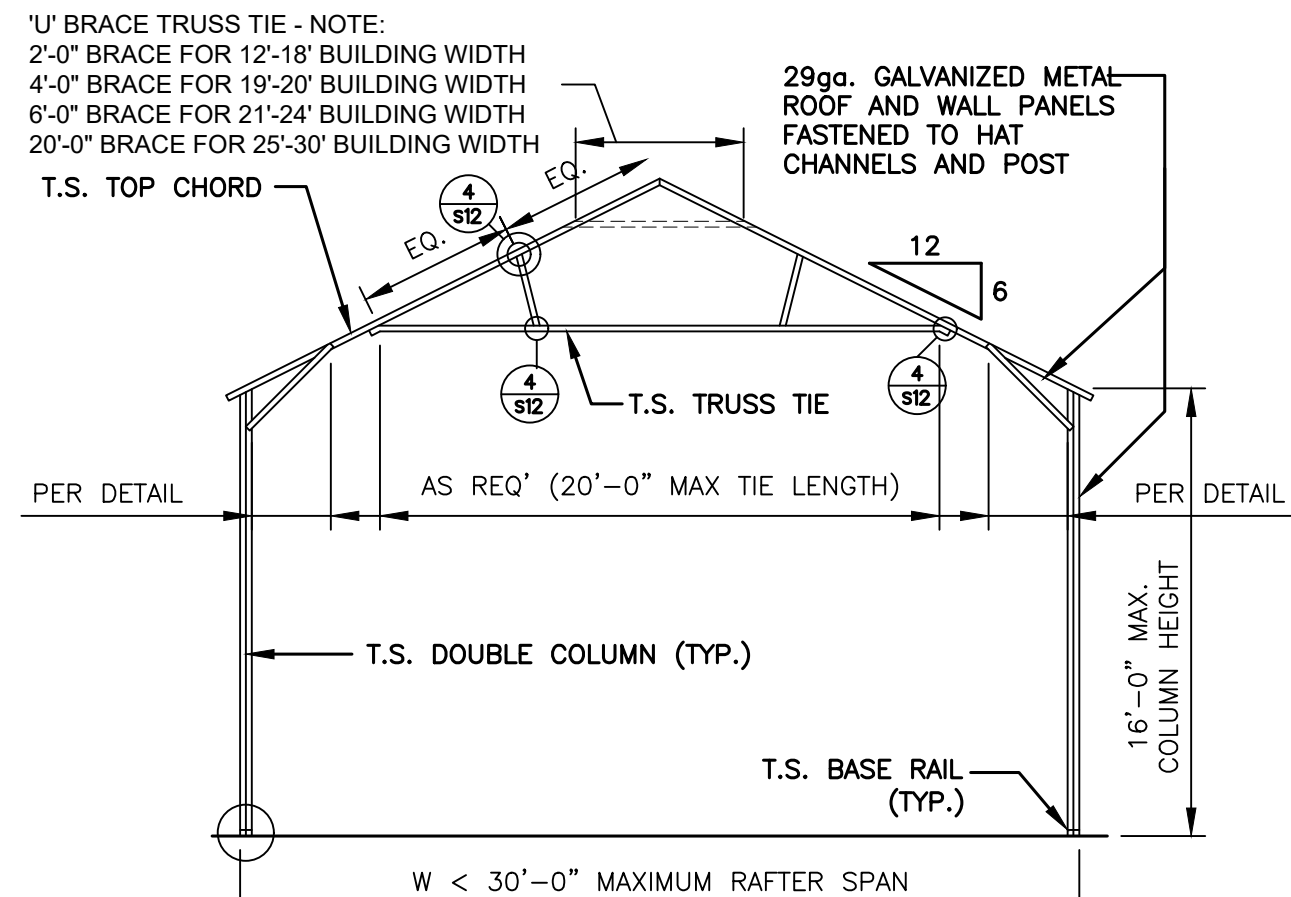
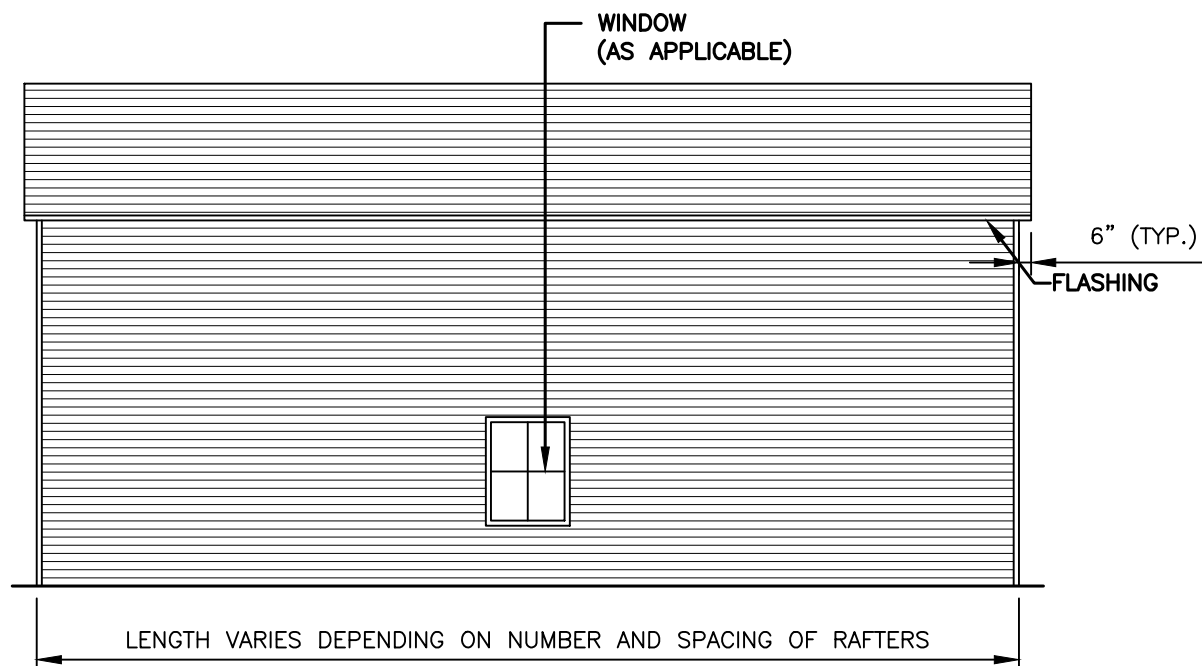
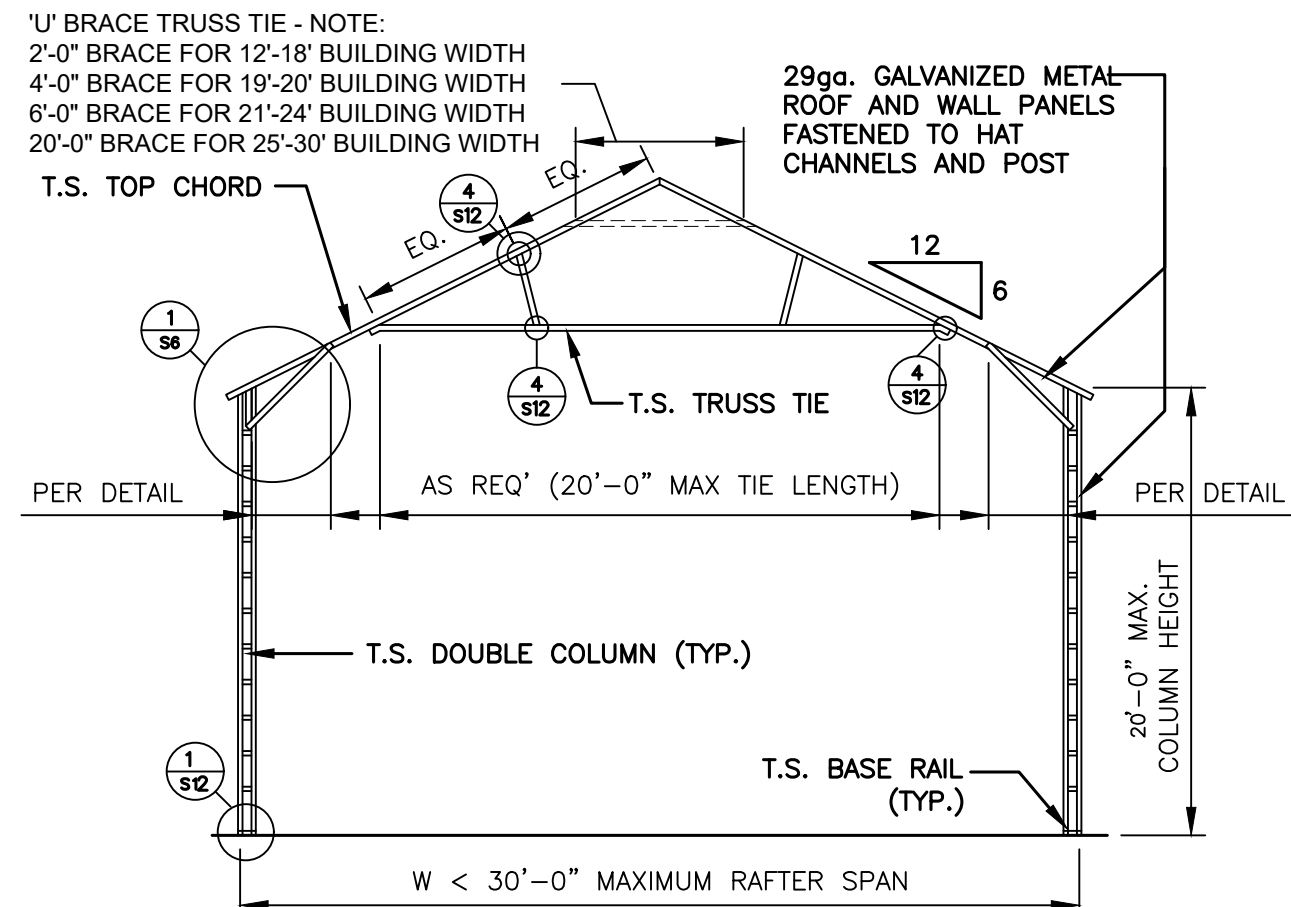
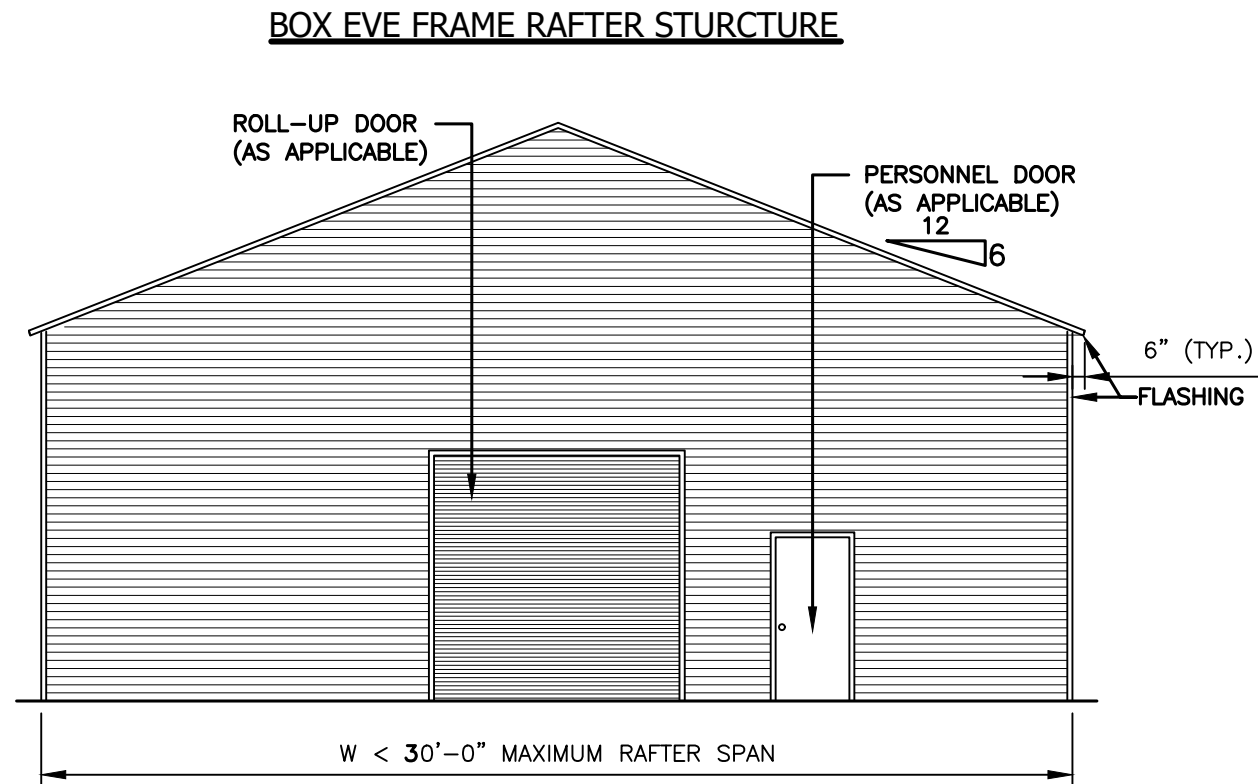
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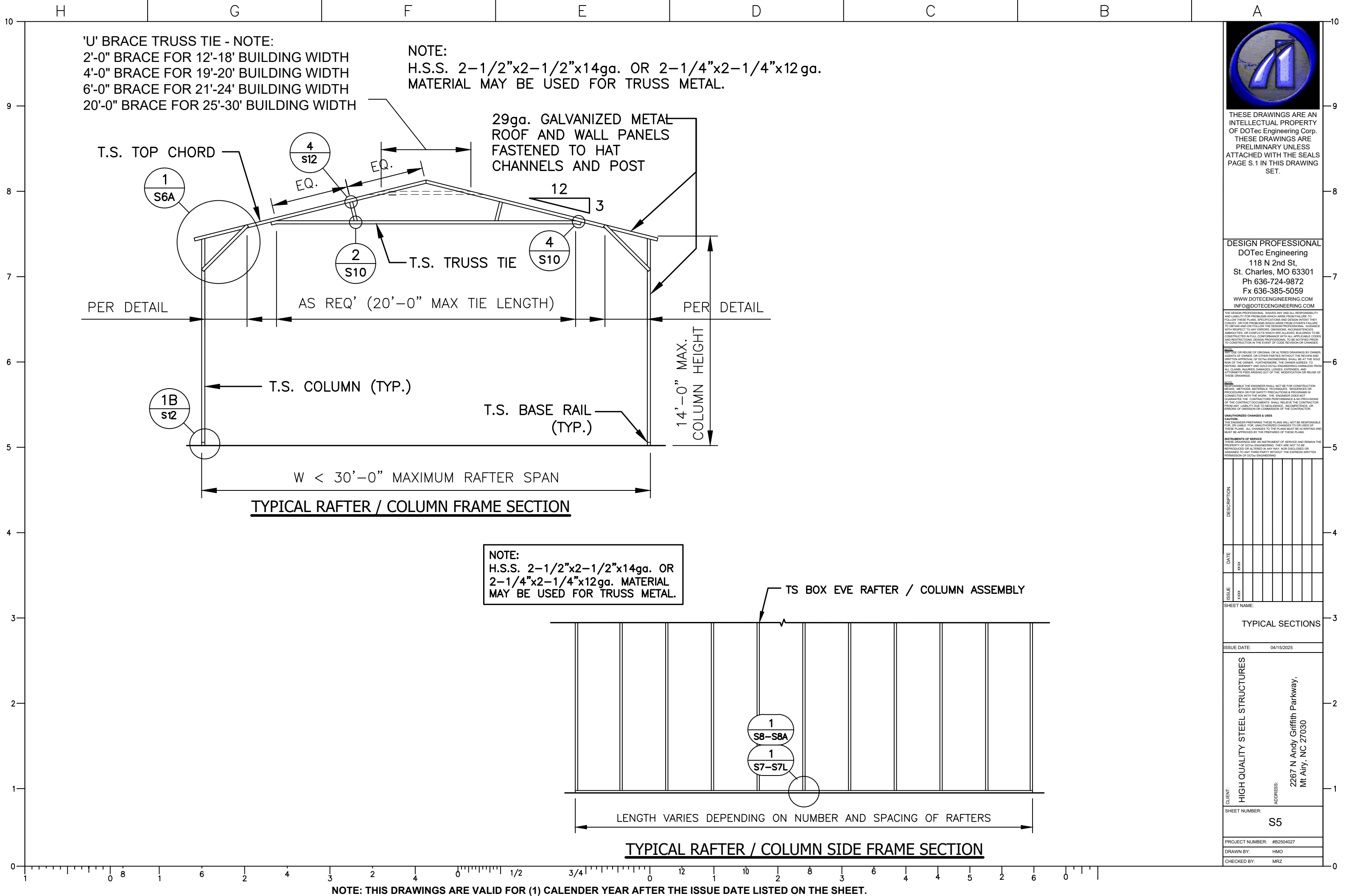
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TYPICAL SECTIONS

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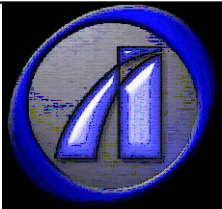
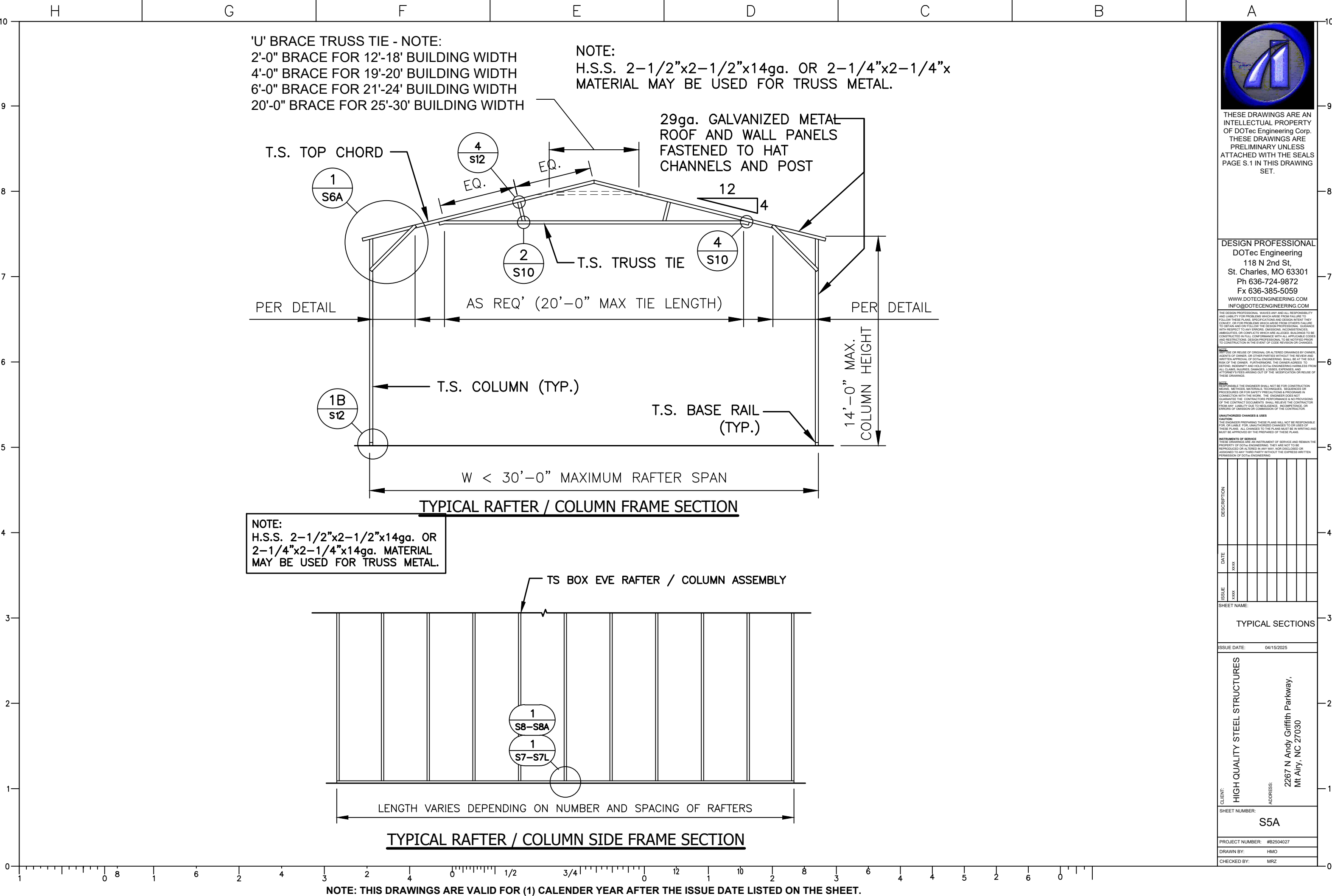
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PROJECT NUMBER:	#D2304027
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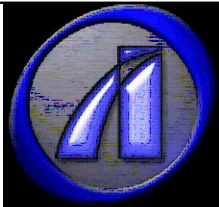
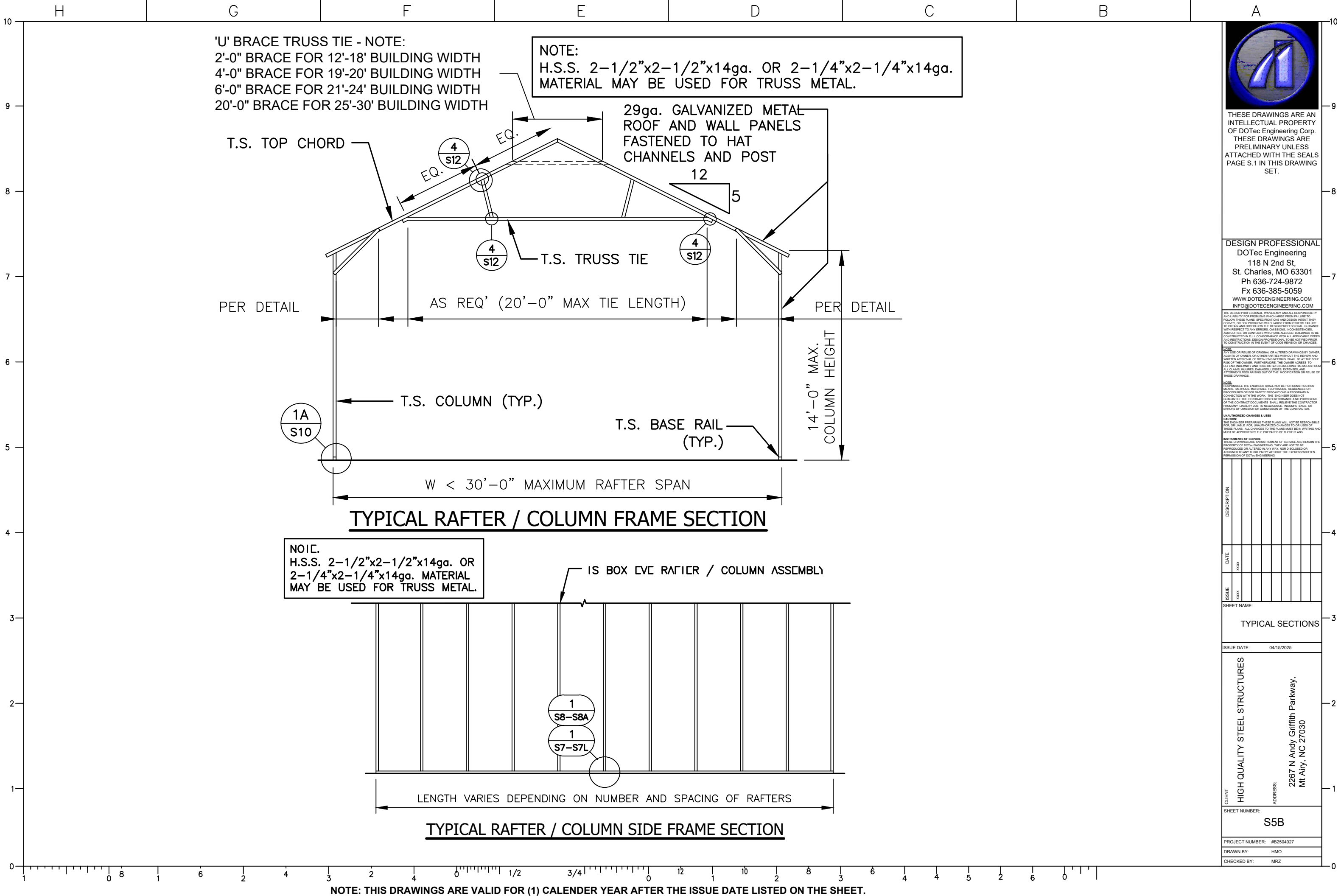
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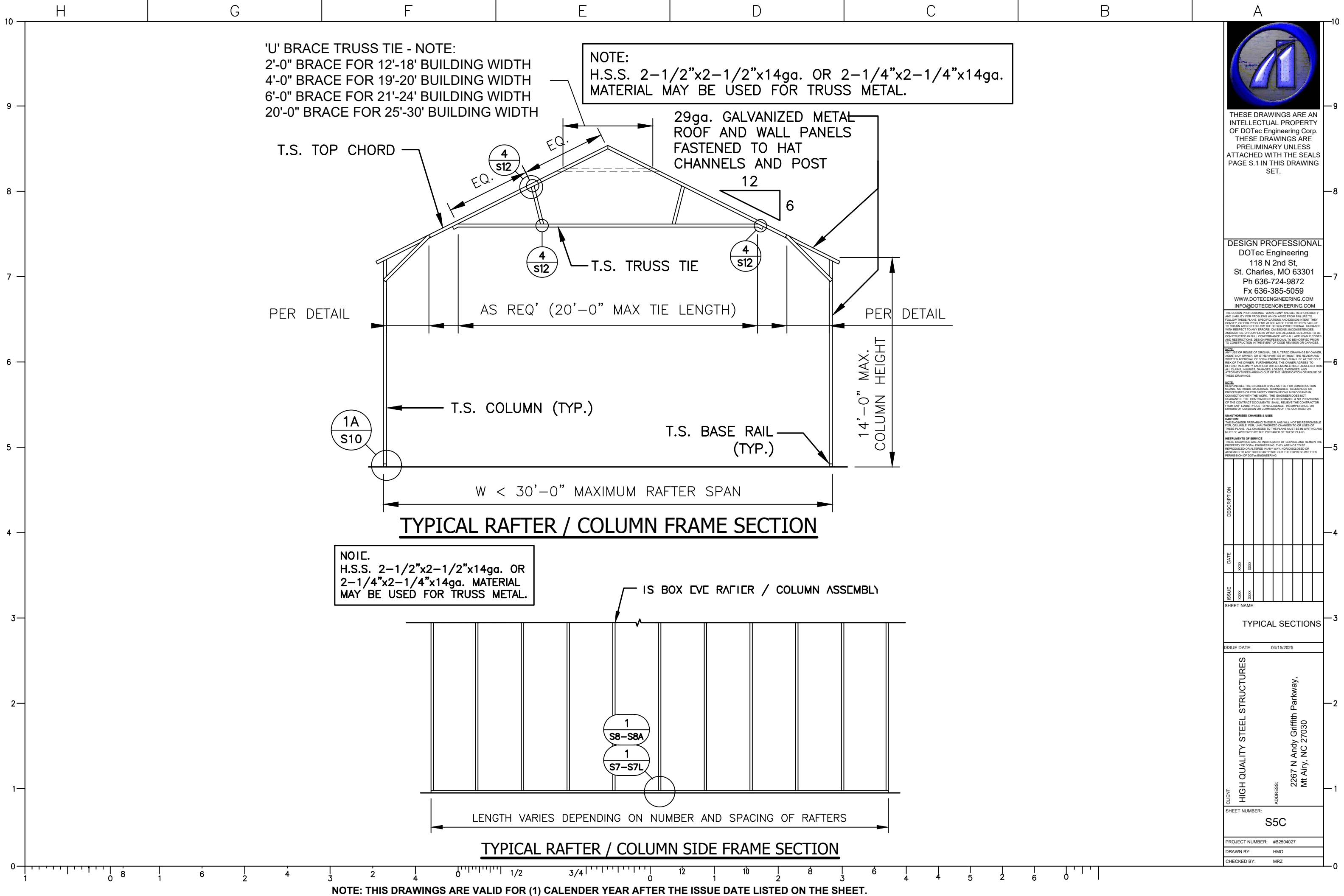
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SHEET NUMBER:  
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PROJECT NUMBER: #B2504027  
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6'-0" BRACE FOR 21'-24' BUILDING WIDTH  
20'-0" BRACE FOR 25'-30' BUILDING WIDTH

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.

29ga. GALVANIZED METAL  
ROOF AND WALL PANELS  
FASTENED TO HAT  
CHANNELS AND POST

T.S. TOP CHORD

T.S. TRUSS TIE

PER DETAIL

AS REQ' (20'-0" MAX TIE LENGTH)

PER DETAIL

T.S. COLUMN (TYP.)

T.S. BASE RAIL  
(TYP.)

14'-0" MAX.  
COLUMN HEIGHT

W < 30'-0" MAXIMUM RAFTER SPAN

### TYPICAL RAFTER / COLUMN FRAME SECTION

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.

IS BOX C/E RAFTER / COLUMN ASSEMBLY

1  
S8-S8A  
1  
S7-S7L

LENGTH VARIES DEPENDING ON NUMBER AND SPACING OF RAFTERS

### TYPICAL RAFTER / COLUMN SIDE FRAME SECTION

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CONSTRUCTED IN FULL CONFORMANCE WITH ALL APPLICABLE CODES  
AND RESTRICTIONS. DESIGN PROFESSIONAL TO BE NOTIFIED PRIOR  
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DESCRIPTION	DATE	ISSUE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	XXXX	XXXX																														
	XXXX	XXXX																														
SHEET NAME:																																

### TYPICAL SECTIONS

ISSUE DATE: 04/15/2025

CLIENT: HIGH QUALITY STEEL STRUCTURES  
ADDRESS: 2267 N Andy Griffith Parkway,  
Mt Airy, NC 27030

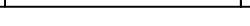
SHEET NUMBER: S5C

PROJECT NUMBER: #B2504027  
DRAWN BY: HMO  
CHECKED BY: MRZ





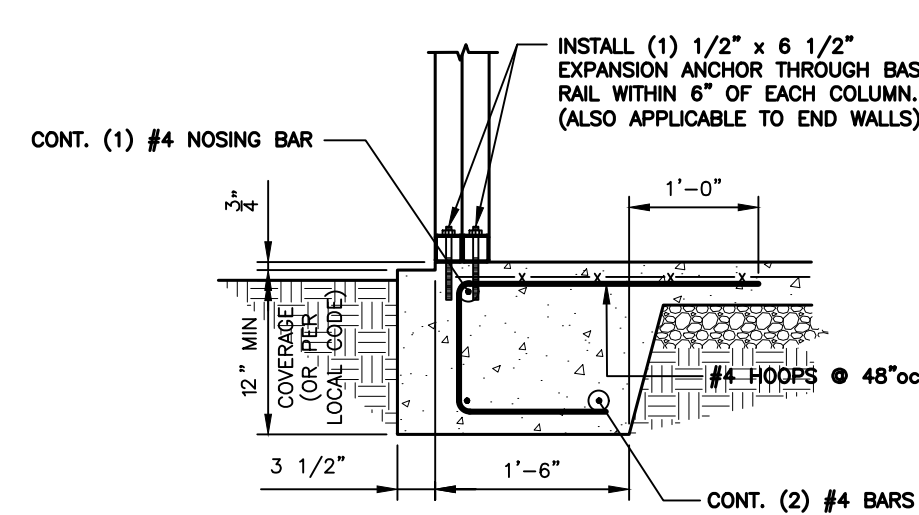
**1A** BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHTS 14'-1" < TO <16'-0"  
**S6A** SCALE: 3/4" = 1'-0" T.S. TOP CHORD



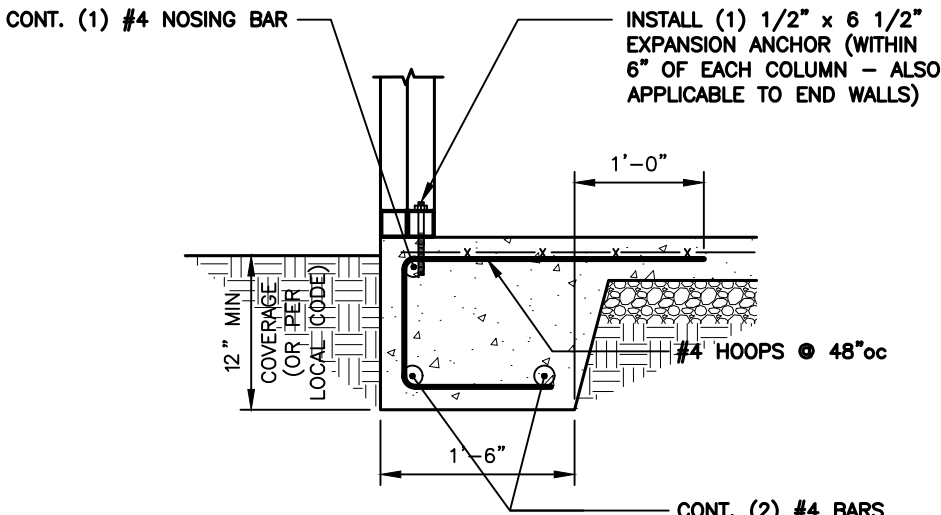
**NOTE: THIS DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THE SHEET.**



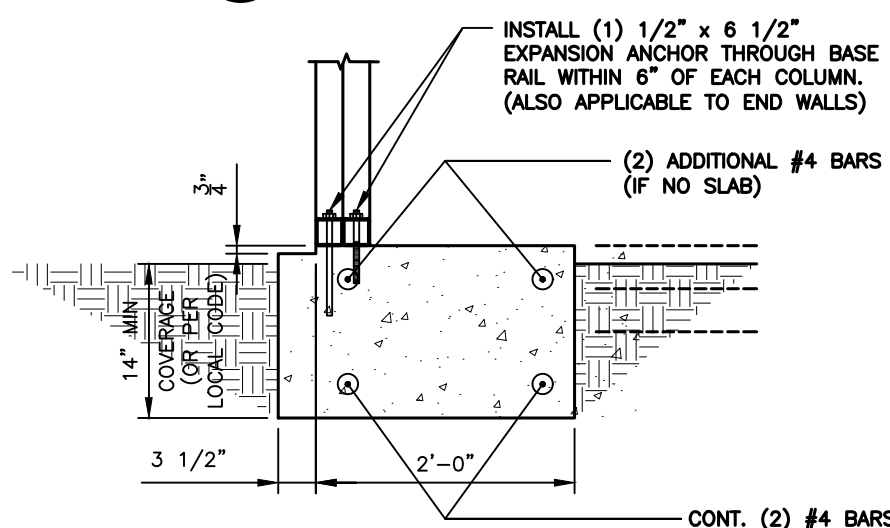
CONCRETE BASE RAIL ANCHORAGE



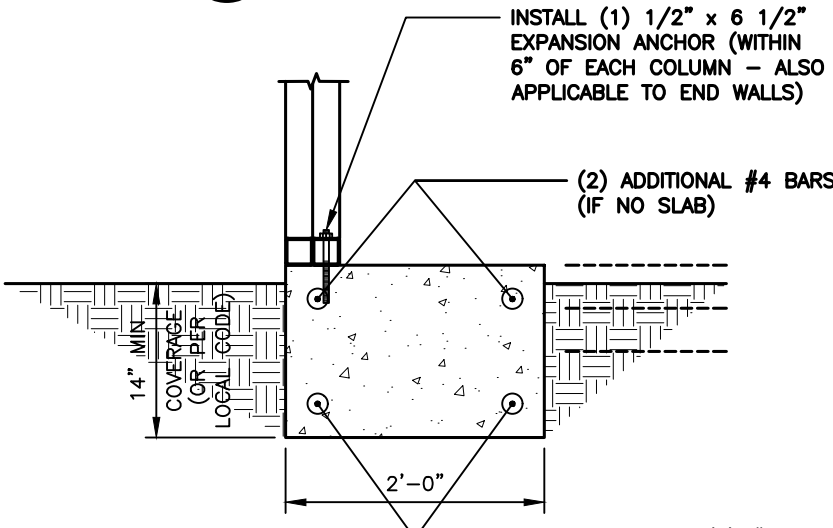
1 BASE RAIL ANCHORAGE DETAIL  
S7D SCALE: 3/4" = 1'-0"



1 BASE RAIL ANCHORAGE DETAIL  
S7F SCALE: 3/4" = 1'-0"



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



1 BASE RAIL ANCHORAGE DETAIL  
S7G 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:  
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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DESCRIPTION	DATE	ISSUE
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX
	XXXX-XX-XX	XXXX-XX-XX

SHEET NAME:  
FOUNDATION  
DETAIL

ISSUE DATE: 04/15/2025

CLIENT: HIGH QUALITY STEEL STRUCTURES  
ADDRESS: 2267 N Andy Griffith Parkway,  
Mt Airy, NC 27030

SHEET NUMBER:  
S8

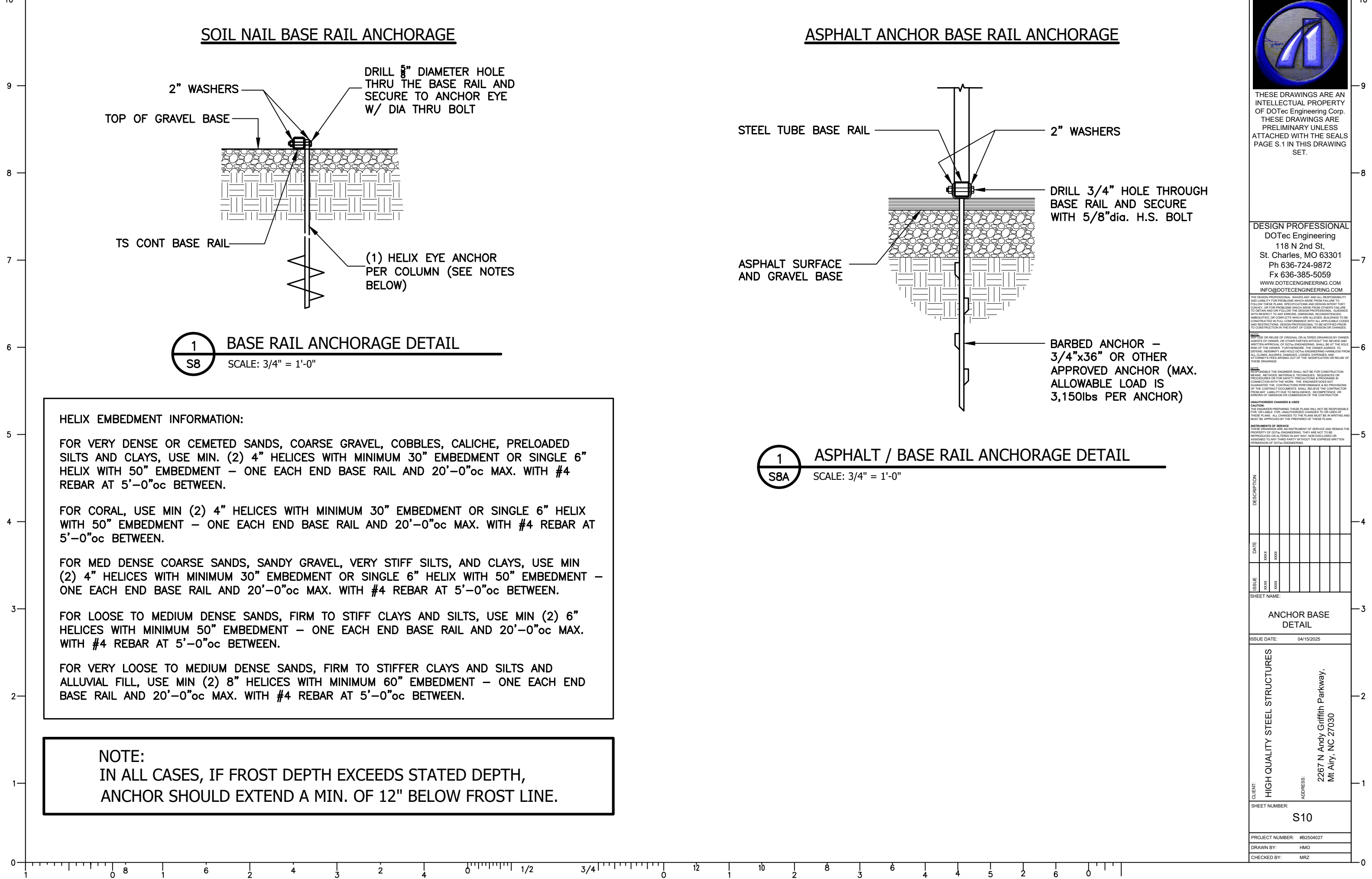
PROJECT NUMBER: #B2504027

DRAWN BY: HMO  
CHECKED BY: MRZ

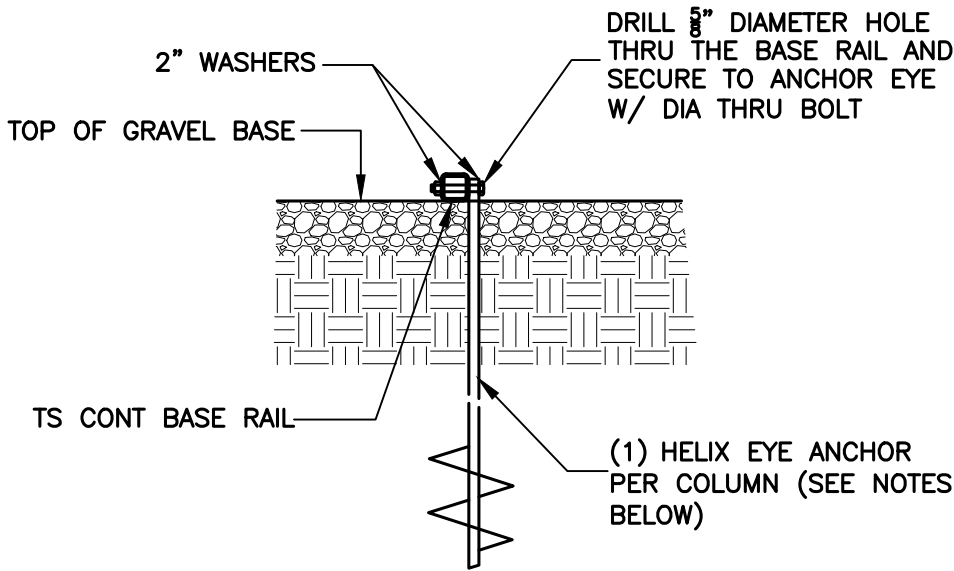






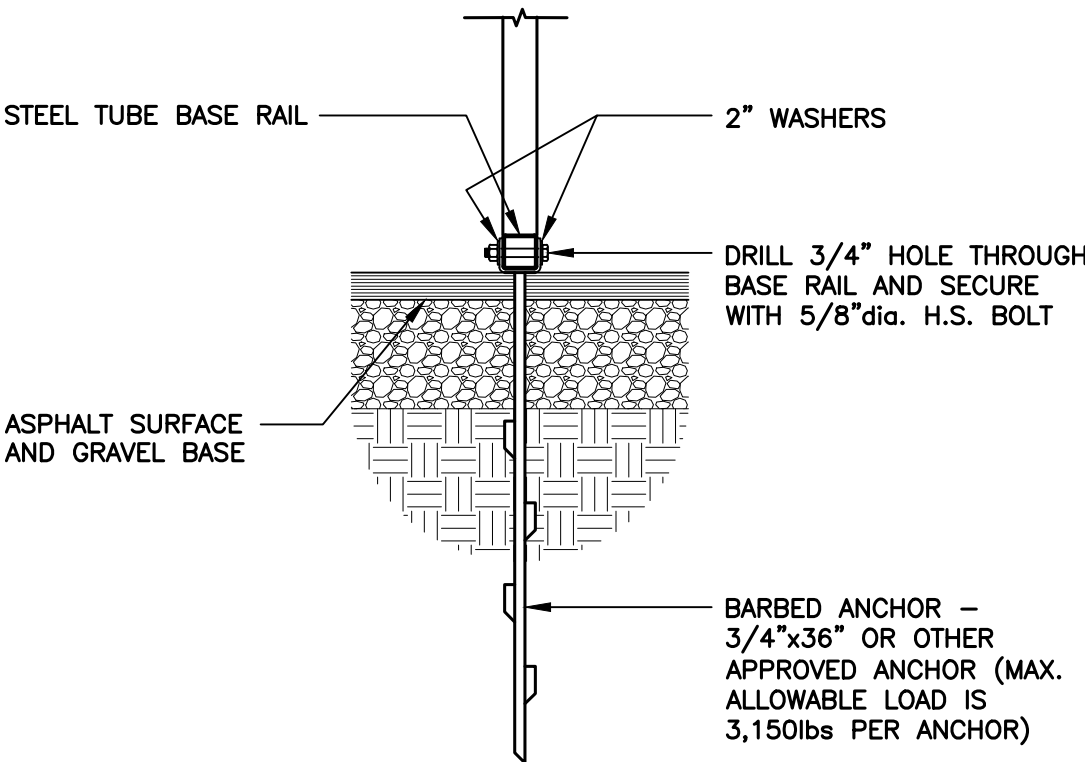


SOIL NAIL BASE RAIL ANCHORAGE



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

ASPHALT ANCHOR BASE RAIL ANCHORAGE



1 ASPHALT / BASE RAIL ANCHORAGE DETAIL  
S8A SCALE: 3/4" = 1'-0"

HELIX EMBEDMENT INFORMATION:

FOR VERY DENSE OR CEMETED 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.

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DESCRIPTION	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE	ISSUE	DATE
	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX

SHEET NAME:  
ANCHOR BASE  
DETAIL

ISSUE DATE: 04/15/2025

CLIENT: HIGH QUALITY STEEL STRUCTURES  
ADDRESS: 2267 N Andy Griffith Parkway,  
Mt Airy, NC 27030

SHEET NUMBER:  
S10

PROJECT NUMBER: #B2504027  
DRAWN BY: HMO  
CHECKED BY: MRZ

BOX EVE RAFTER END WALL AND SIDE WALL OPENINGS



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DESCRIPTION	DATE	ISSUE	1	2	3	4	5	6	7	8	9	10
	XXXX	XXXX										
	XXXX	XXXX										

SHEET NAME:  
WALL OPENNING  
DETAIL

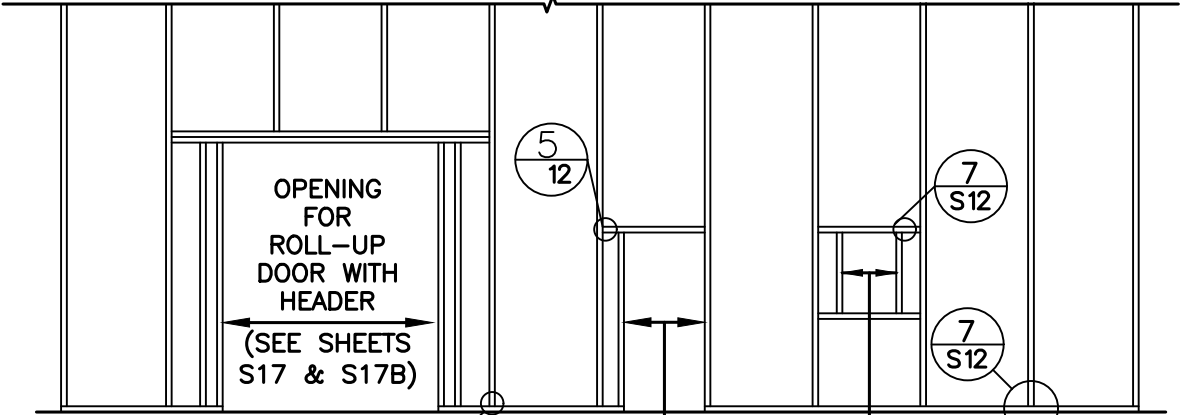
ISSUE DATE: 04/15/2025

CLIENT: HIGH QUALITY STEEL STRUCTURES  
ADDRESS: 2267 N Andy Griffith Parkway,  
Mt Airy, NC 27030

SHEET NUMBER:  
S11

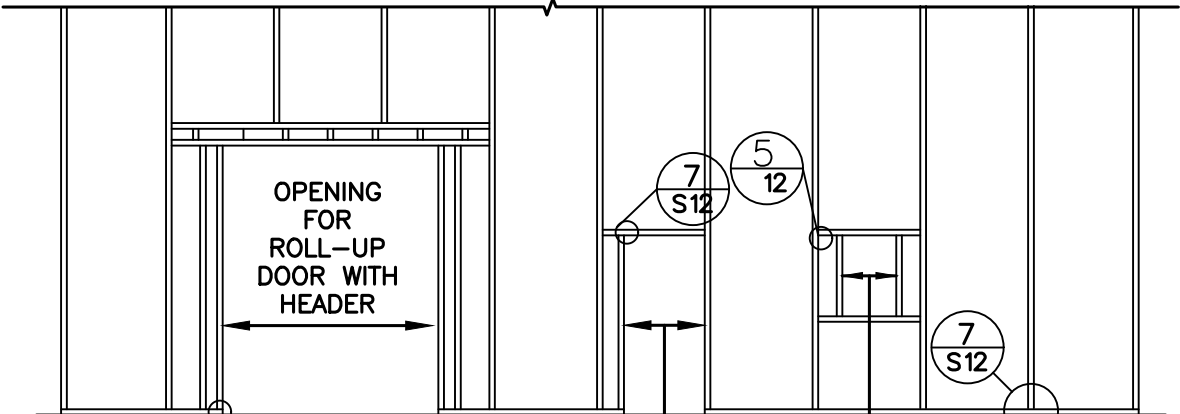
PROJECT NUMBER: #B2504027  
DRAWN BY: HMO  
CHECKED BY: MRZ

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

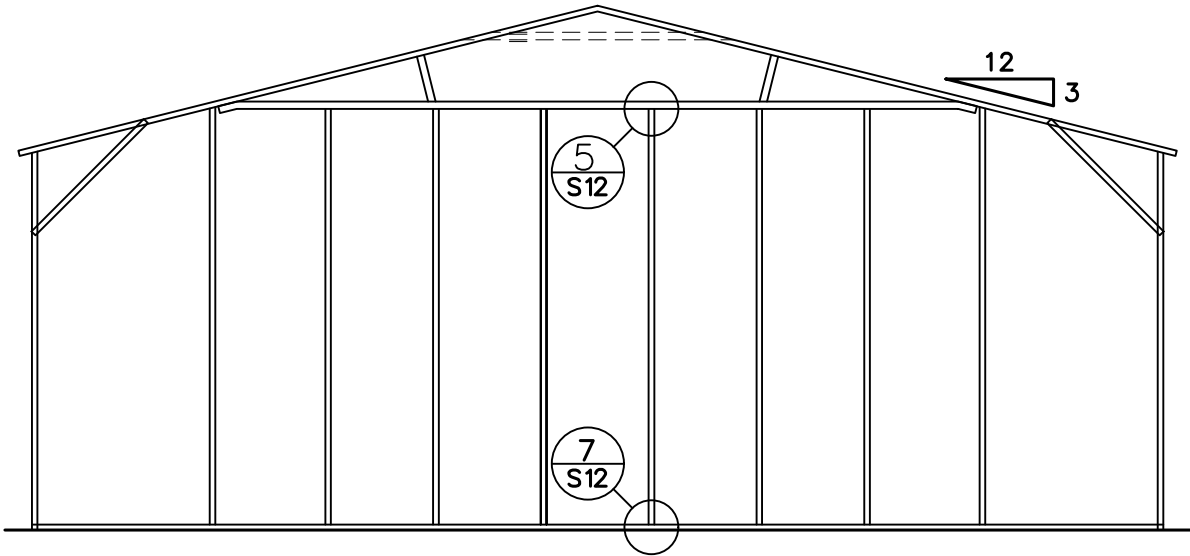


TYPICAL END WALL OPENING FRAMING SECTION

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

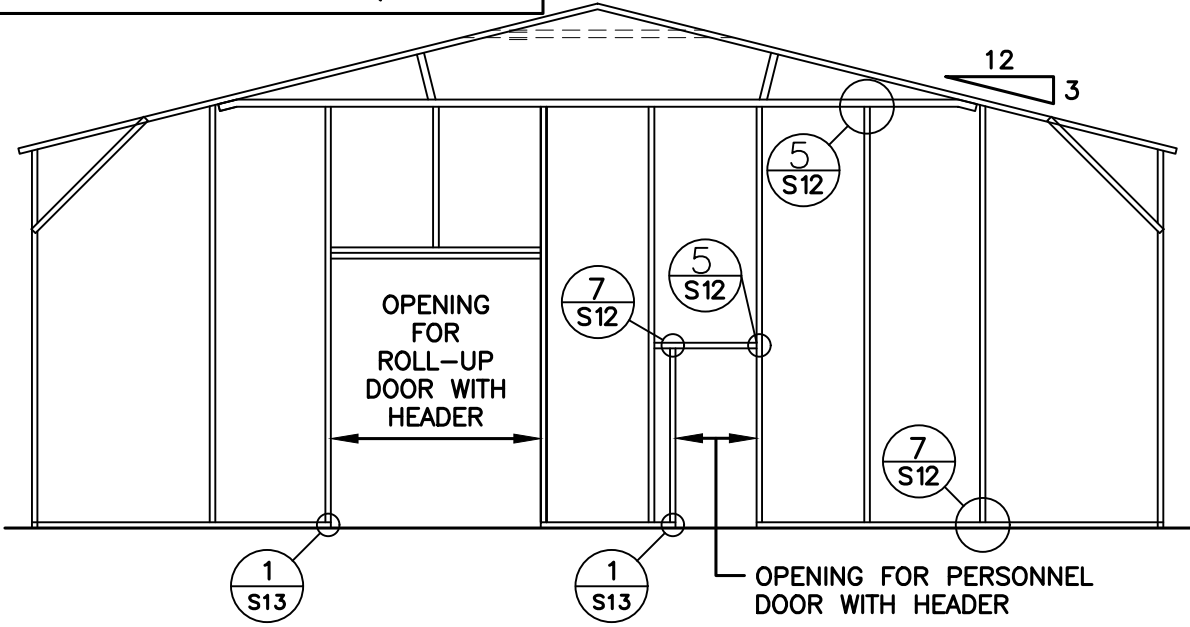


TYPICAL SIDE WALL OPENING FRAMING SECTION



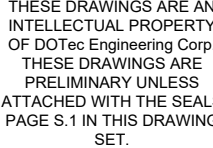
TYPICAL BOX EVE RAFTER / END WALL COLUMN FRAME SECTION

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

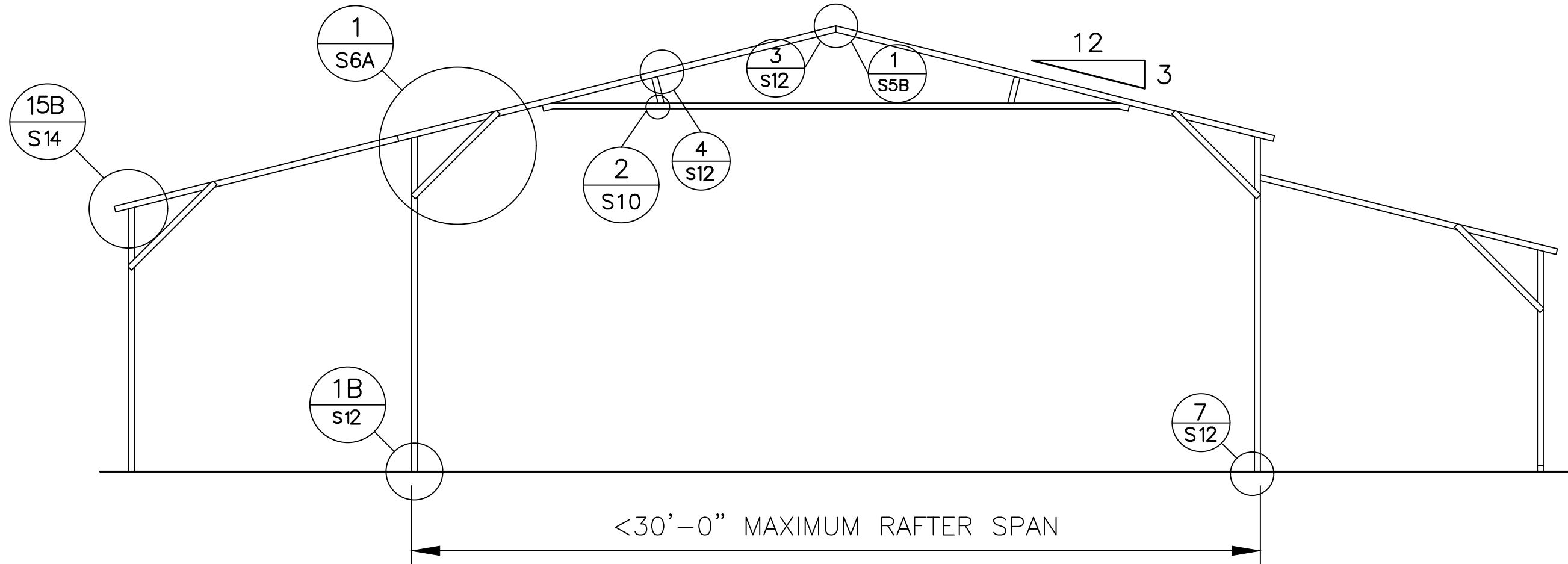


[illegible][illegible]

CONNECTION DETAIL	
ISSUE DATE:	04/15/2025
CUSTOMER:	HIGH QUALITY STEEL STRUCTURES
ADDRESS:	2267 N Andy Griffith Parkway, Mt Airy, NC 27030
SHEET NUMBER:	S13
PROJECT NUMBER:	#B2504027
DRAWN BY:	HMO
CHECKED BY:	MRZ



## BOX EVE RAFTER LEAN-TO OPTIONS



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

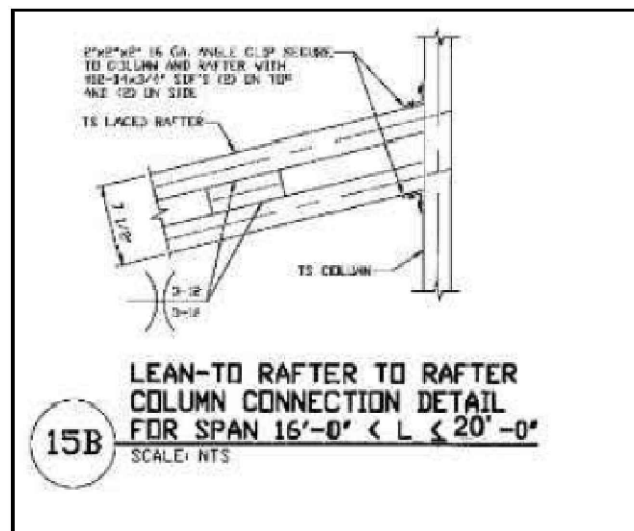
MAXIMUM WIDTH OF SINGLE MEMBER ROOF EXTENSION AND LEAN-TO OPTION IS 10'-0"

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

20'-0" MAX. LEAN-TO HEIGHT WITH DOUBLE COLUMN



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ISSUE	DATE	DESCRIPTION
XXXX	XXXX	
XXXX	XXXX	

SHEET NAME:

BOX-EVE RAFTER  
DETAIL

ISSUE DATE:	04/15/2025
-------------	------------

--	--

CLIENT:	HIGH QUALITY STEEL STRUCTURES
ADDRESS:	2267 N Andy Griffith Parkway, Mt Airy, NC 27030

SHEET NUMBER:  
**S14**

PROJECT NUMBER: #B2504027

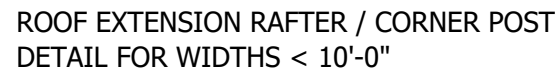
DRAWN BY:	HMO
CHECKED BY:	MRZ

---

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



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



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



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



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



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



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**UNAUTHORIZED CHANGES & USES**  
**CAUTION:**  
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED OF THESE PLANS.

**INSTRUMENTS OF SERVICE**  
THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE AND REMAIN THE PROPERTY OF DOTec ENGINEERING. THEY ARE NOT TO BE REPRODUCED OR ALTERED IN ANY WAY, NOR DISCLOSED OR ASSIGNED TO ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF DOTec ENGINEERING

[illegible]

## LEANS DETAIL

ISSUE DATE: 04/15/2025

CLIENT: HIGH QUALITY STEEL STRUCTURES

ADDRESS: 2267 N Andy Griffith Parkway,

SHEET NUMBER:

S15

PROJECT NUMBER: #B2504027

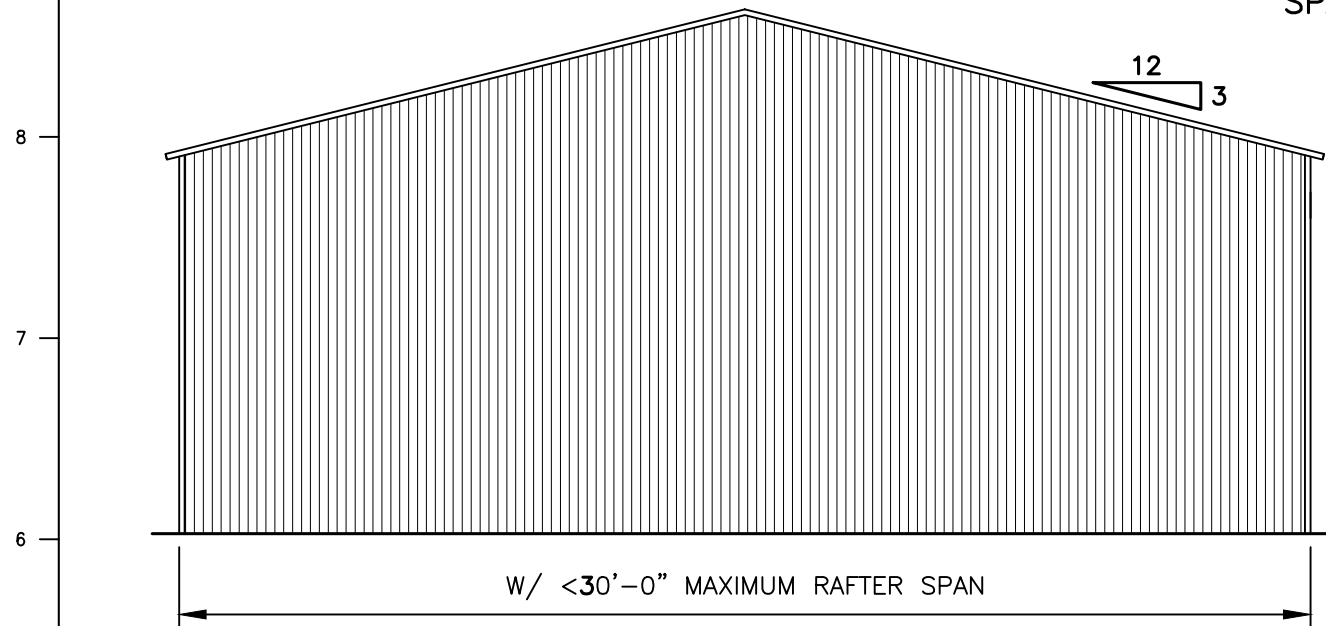
DRAWN BY: HMC

CHECKED BY: MR2

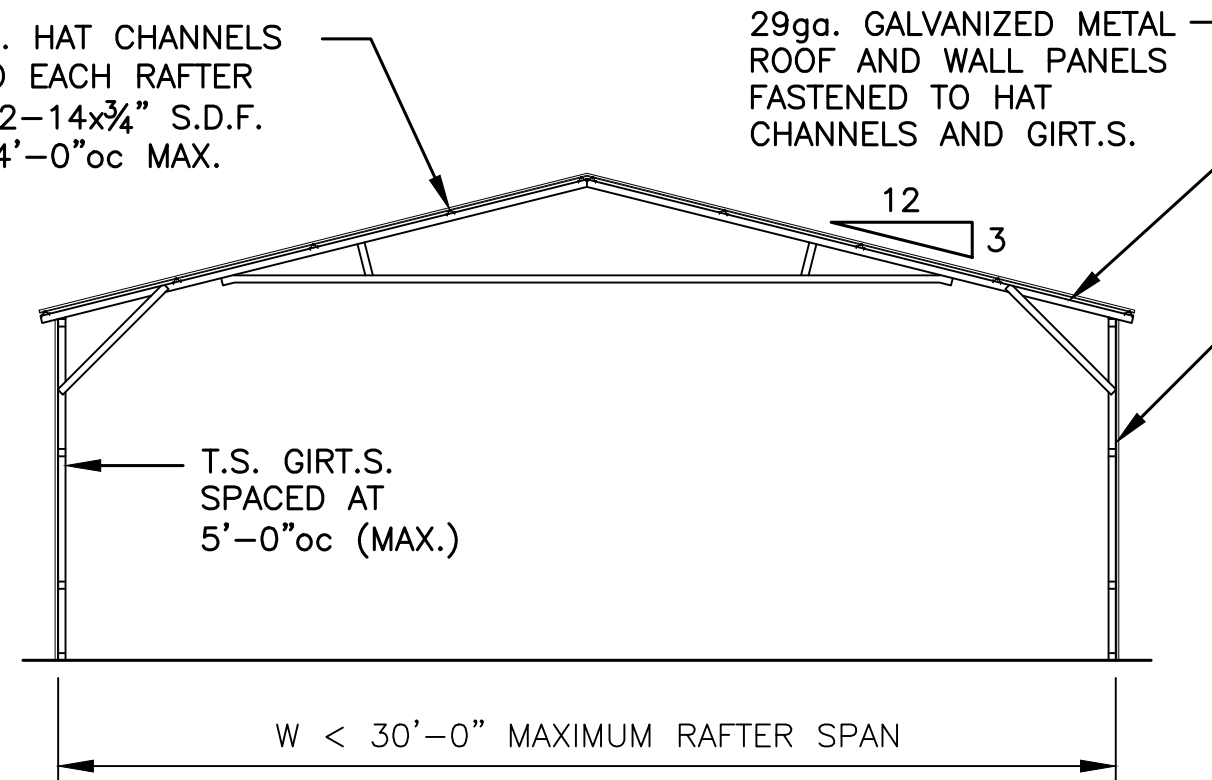
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**NOTE: THIS DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THE SHEET.**

### VERTICAL ROOF / SIDING OPTION

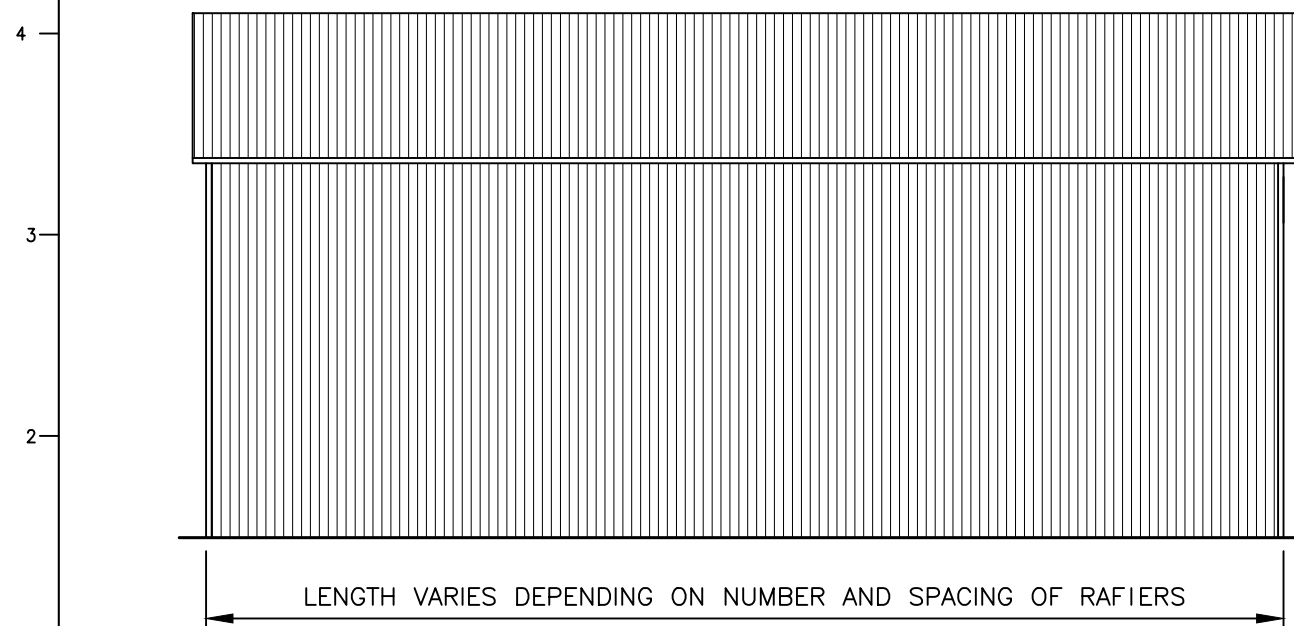


### TYPICAL END ELEVATION - VERTICAL ROOF / SIDING

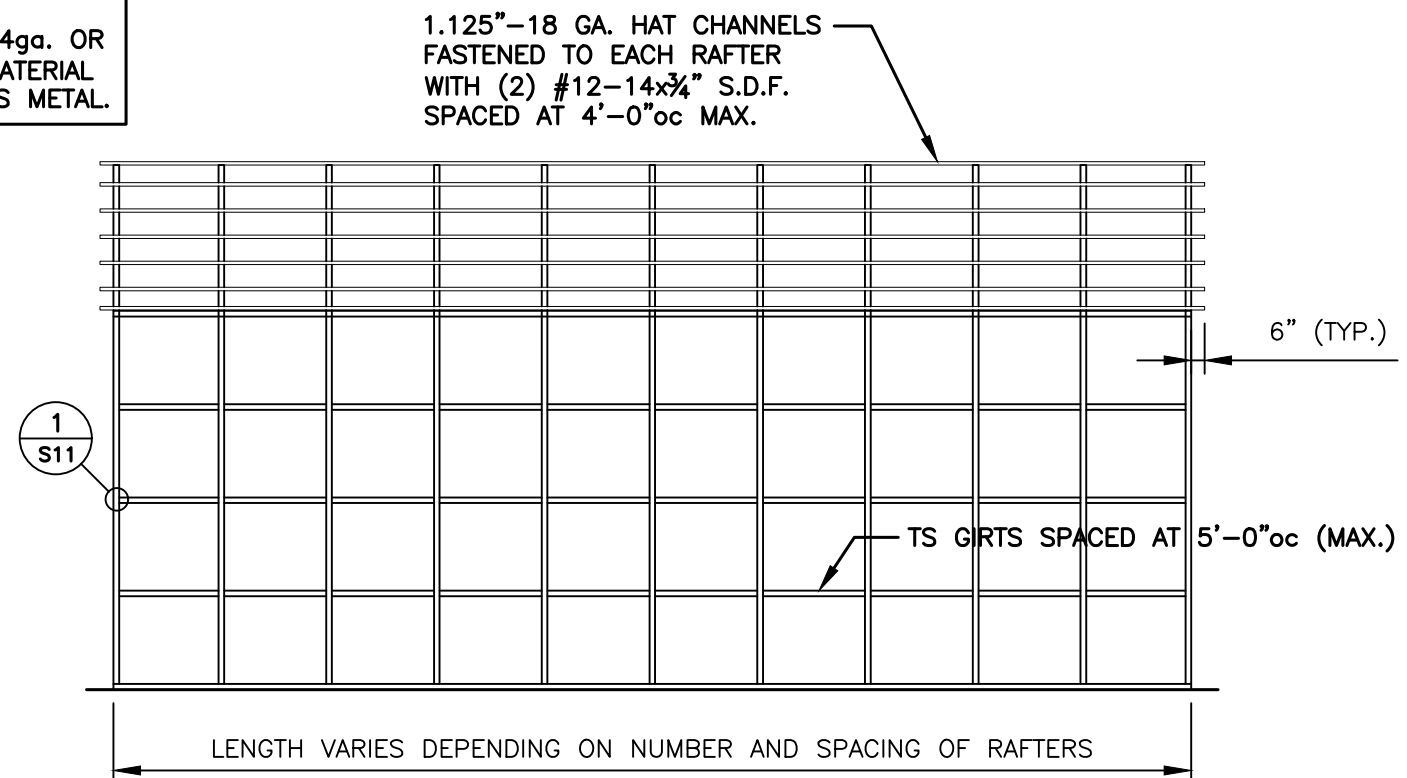


### TYPICAL SECTION VERTICAL ROOF / SIDING OPTION

NOTE:  
H.S.S. 2-1/2"x2-1/2"x14ga. OR  
2-1/4"x2-1/4"x12 ga. MATERIAL  
MAY BE USED FOR TRUSS METAL.



### TYPICAL SIDE ELEVATION - VERTICAL ROOF / SIDING



### TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION



**DESIGN PROFESSIONAL**  
DOTec Engineering  
118 N 2nd St,  
St. Charles, MO 63301  
Ph 636-724-9872  
Fx 636-385-5059  
WWW.DOTECENGINEERING.COM  
INFO@DOTECENGINEERING.COM

THE DESIGN PROFESSIONAL, WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE ALLEGED. BUILDINGS TO BE CONSTRUCTED IN FULL CONFORMANCE WITH ALL APPLICABLE CODES AND RESTRICTIONS. DESIGN PROFESSIONAL TO BE NOTIFIED PRIOR TO CONSTRUCTION IN THE EVENT OF CODE REVISION OR CHANGES.

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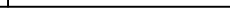
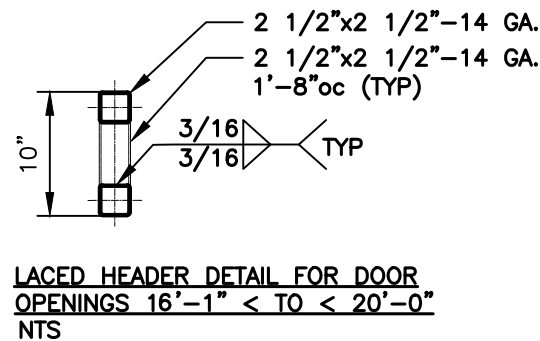
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ISSUE	DATE	DESCRIPTION
XXXX	XXXX	
XXXX	XXXX	



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