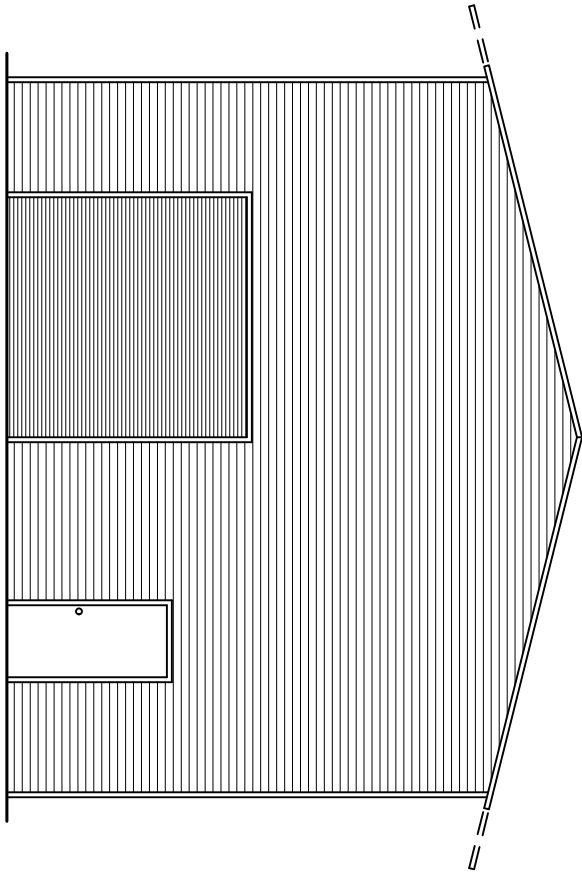




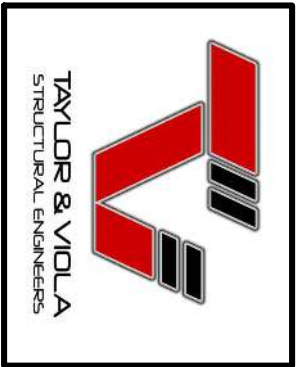
(PARTIALLY) ENCLOSED GABLE END BUILDING

MAXIMUM 0' TO <30' WIDE x <20' MAXIMUM EVE HEIGHT (BOX FRAME)
(UP TO) 140 M.P.H. WIND ZONE - 5 P.S.F. SNOW LOAD

FOR:

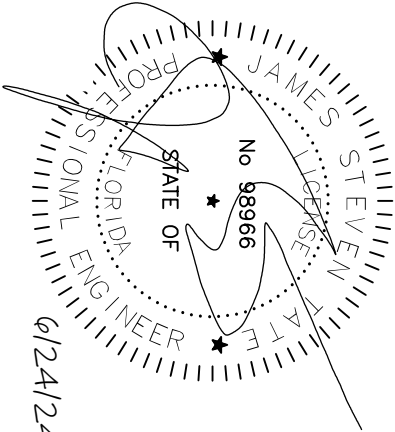
STEEL BUILDINGS & STRUCTURES, INC.

800 PIEDMONT TRIAD WEST DR.
MOUNT AIRY, NORTH CAROLINA 27030
TELE: 877-272-8276
ISSUE DATE: JUNE 24, 2024



Digitally signed by James Tate
DN: C=US, E=jtate@taylorviola.com, O=Taylor and Viola Structural Engineers, CN=James Tate
Date: 2024.06.26 10:48:28 -04'00'

James Tate

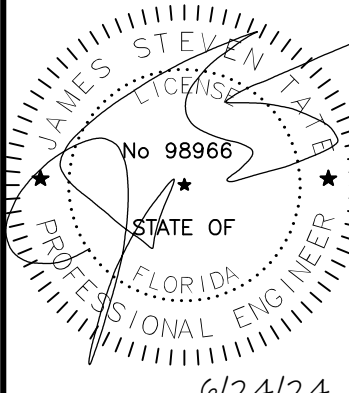
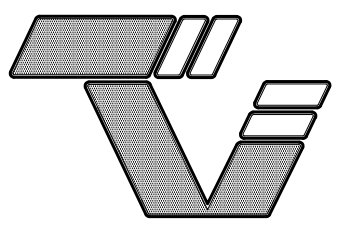


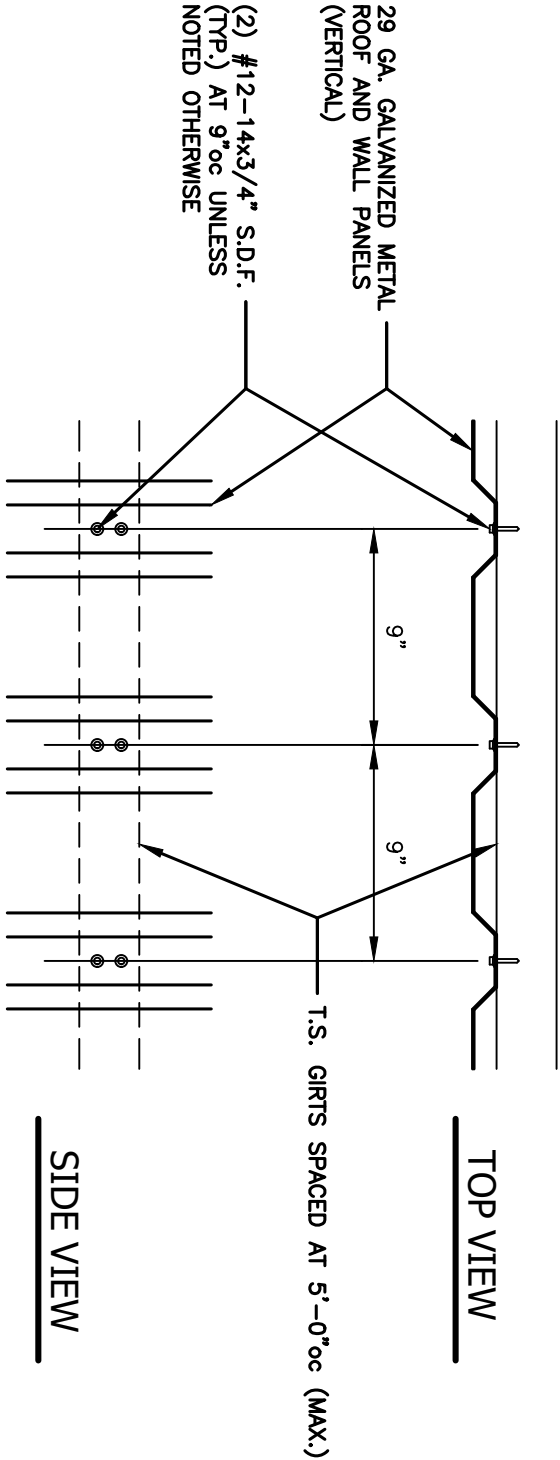
6/24/24

INDEX OF DRAWINGS

- S0 – COVERSHEET
- SOA – SEALS
- SOB – INDEX OF DRAWINGS / SEALS
- SOC – APPENDIX 'B'
- S1 – TYPICAL END / SIDE ELEVATIONS
- S2 – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <16'H.)
- S2A – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>25' TO <30' / <16'H.)
- S2B – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <20'H.)
- S2C – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <20'H.)
- S2D – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <20'H.)
- S2E – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <20'H.)
- S3 – TYPICAL SIDE / END FRAMING SECTIONS
- S4 – BOX EYE / SINGLE COLUMN OPTIONS (<24' / <16' HIGH)
- S4A – BOX EYE / DOUBLE COLUMN OPTIONS (>25' TO <30' / <16' HIGH)
- S4B – BOX EYE / LACED COLUMN OPTIONS (>0' TO <30' / <20' HIGH)
- S4C – BOX EYE / LACED COLUMN OPTIONS (>0' TO <30' / <20' HIGH)
- S4D – BOX EYE / LACED COLUMN OPTIONS (>0' TO <30' / <20' HIGH)
- S4E – BOX EYE / LACED COLUMN OPTIONS (>0' TO <30' / <20' HIGH)
- S5 – SINGLE COLUMN FOUNDATION
- S5A – SINGLE COLUMN FOUNDATION – NO SIDING LEDGE
- S5B – DOUBLE COLUMN FOUNDATION
- S5C – DOUBLE COLUMN FOUNDATION – NO SIDING LEDGE
- S5D – LACED COLUMN FOUNDATION
- S5E – LACED COLUMN FOUNDATION – NO SIDING LEDGE
- S6 – ALTERNATE ANCHORAGE OPTIONS
- S7 – TYPICAL END / SIDE WALL OPENING FRAMING SECTIONS
- S8 – BASE RAIL CONNECTION DETAILS
- S8A – CONNECTION DETAILS
- S8B – TRUSS CONNECTION DETAILS
- S9 – LEAN-TO FRAMING OPTIONS
- S9A – LEAN-TO HIP FRAMING OPTIONS
- S10 – LEAN-TO FRAMING OPTIONS
- S10A – VOID
- S10B – LEAN-TO FRAMING OPTIONS
- S10C – LEAN-TO FRAMING OPTIONS
- S10C – LEAN-TO FRAMING OPTIONS
- S11 – VERTICAL ROOF / SIDING OPTIONS
- S11A – VERTICAL ROOF / SIDING OPTIONS
- S12 – HEADER OPTIONS

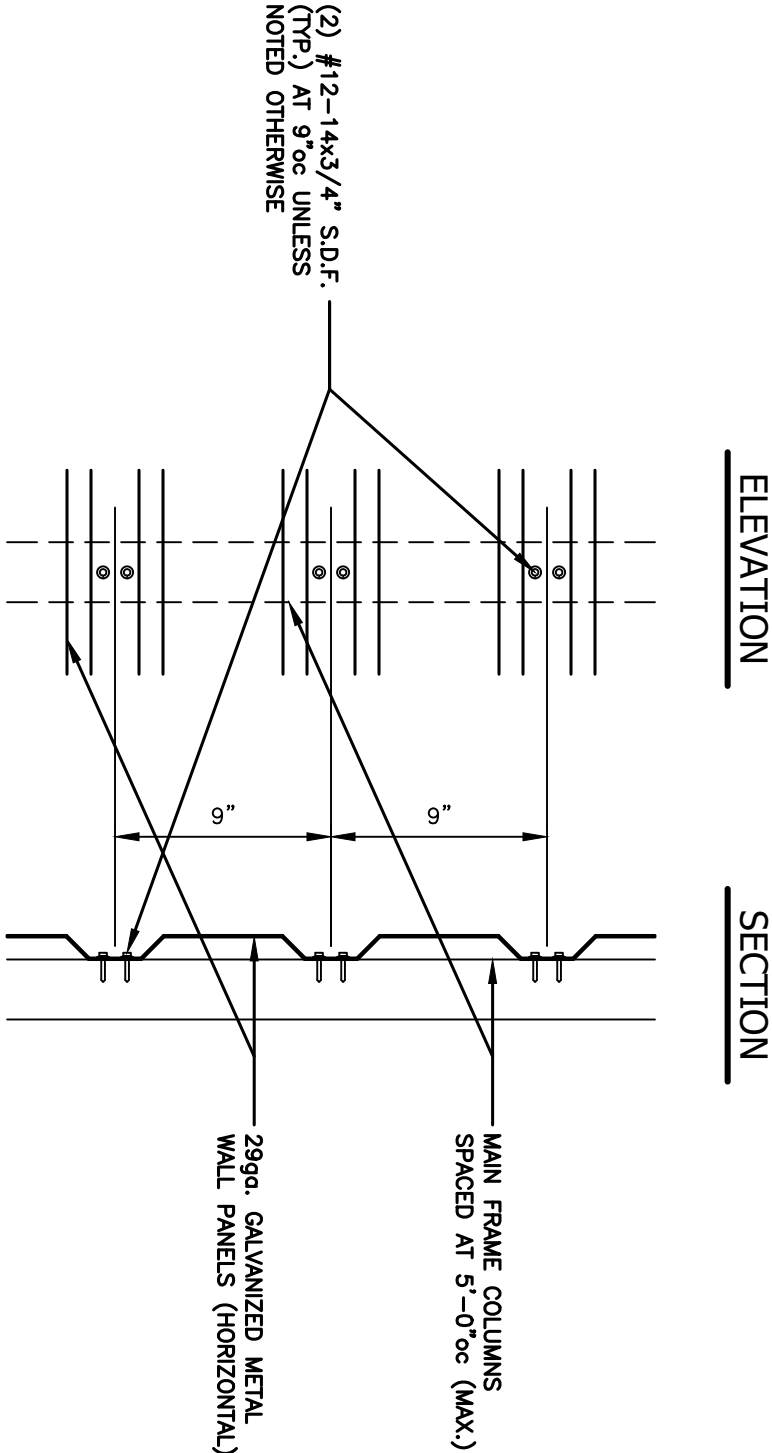
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			JCMT Associates, PLLC	
			211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -				
Sheet No. S0B				



(VERTICAL) SIDING CONNECTION DETAIL

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



(HORIZONTAL) SIDING CONNECTION DETAIL

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

APPENDIX "B"

STRUCTURAL DESIGN

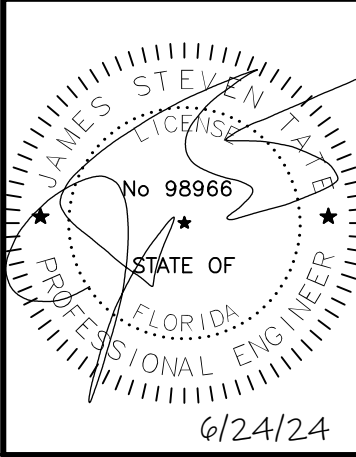
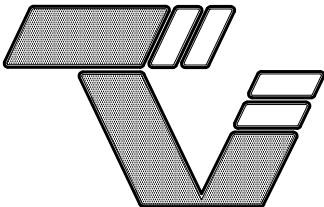
DESIGN LOADS:			
IMPORTANCE FACTORS	WIND	(1w) 1.00	
	SNOW	(1s) 1.00	
	SEISMIC	(1e) 1.00	
DEAD LOADS	ROOF	13	P.S.F.
	ROOF COLLATERAL	0	P.S.F.
LIVE LOADS	ROOF	20	P.S.F.
GROUND SNOW LOAD:		5	P.S.F.
WIND LOAD:	BASIC WIND SPEED	V 140	M.P.H. (ASCE 7-16 & 7-22)
	EXPOSURE CATAGORY	B/C	
SOIL BEARING CAPACITIES:			
PRESUMPTIVE BEARING CAPACITIES:		1,500	P.S.F.

NOTE:
DESIGN MEETS ALL
REQUIREMENTS OF ASCE 7-22
AND THE 2023 FBC 8th EDITION

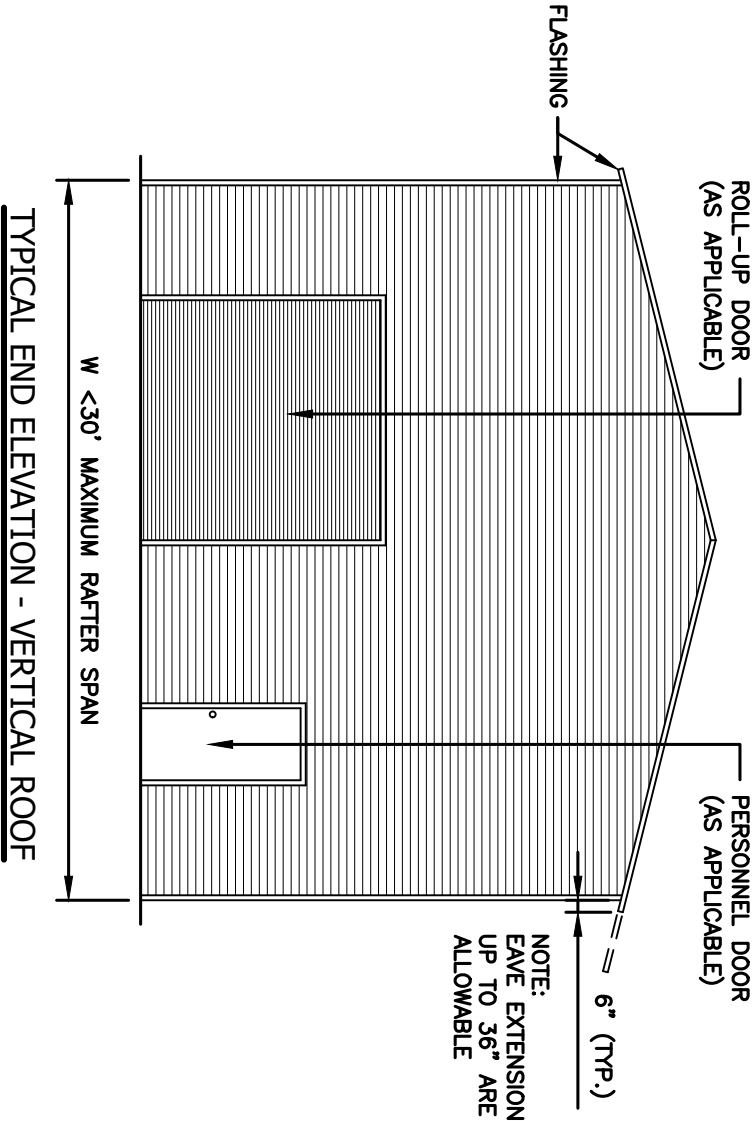
GENERAL NOTES:

1. MAX FRAME SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
2. MAX. END-WALL COLUMN SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
3. TUBE MATERIAL SHALL BE 2-1/2" x 2-1/2" x 14 ga. 50 KSI MIN. UNLESS NOTED OTHERWISE.
4. ALL FASTENERS SHALL BE (2) #12 SELF TAPPING AT 9"o.c. UNLESS NOTED OTHERWISE.
5. 1,500 PSF ASSUMED BEARING CAPACITY UNLESS NOTED OTHERWISE.
6. THESE DRAWINGS ARE NOT APPLICABLE TO OPEN / PARTIALLY OPEN BUILDINGS.
7. THESE DRAWINGS ARE NOT DESIGNED FOR SLEEPING QUARTERS.

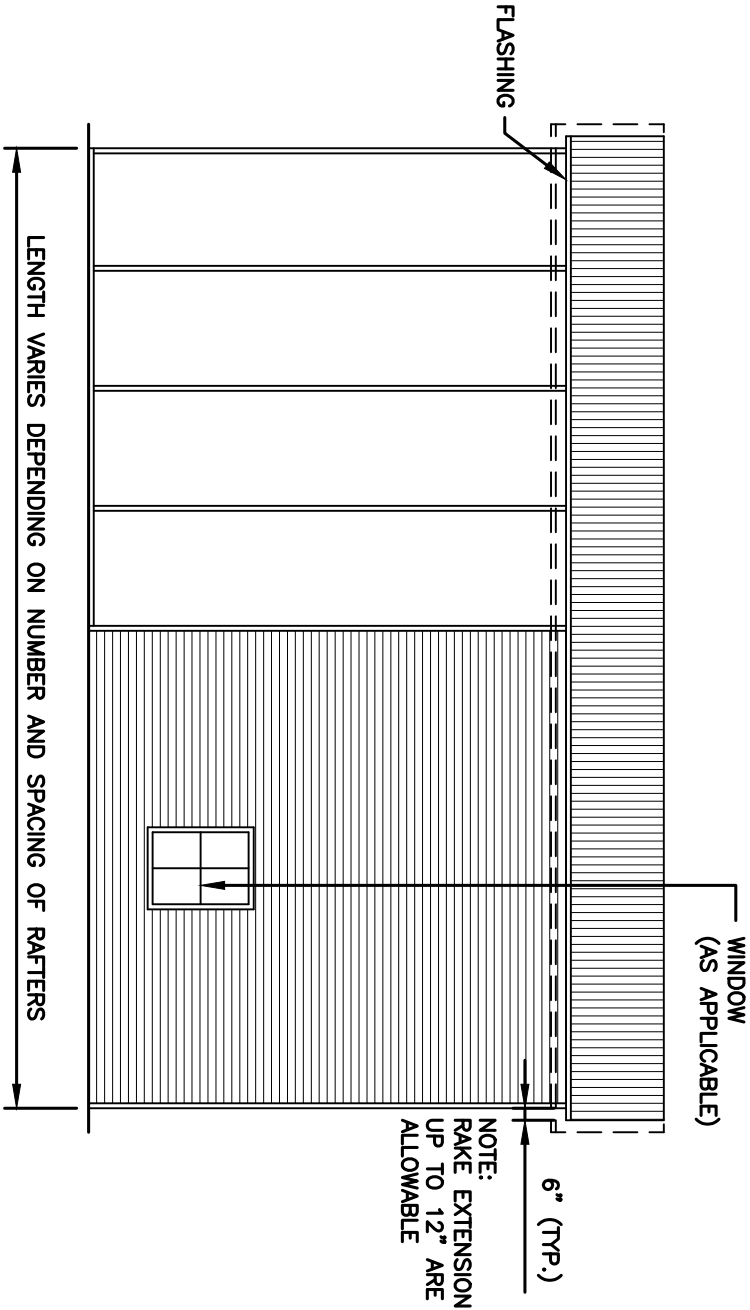
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
				Sheet No. S0C
Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		
Revisions: -				

BOX EVE FRAME RAFTER STRUCTURE

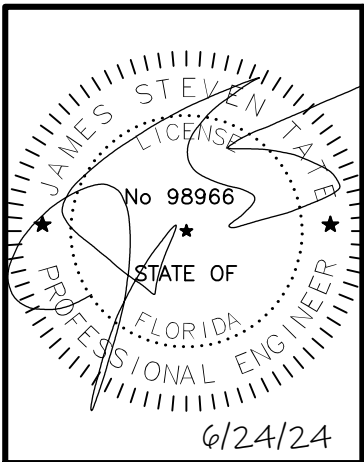
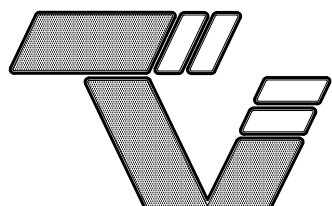


TYPICAL END ELEVATION - VERTICAL ROOF

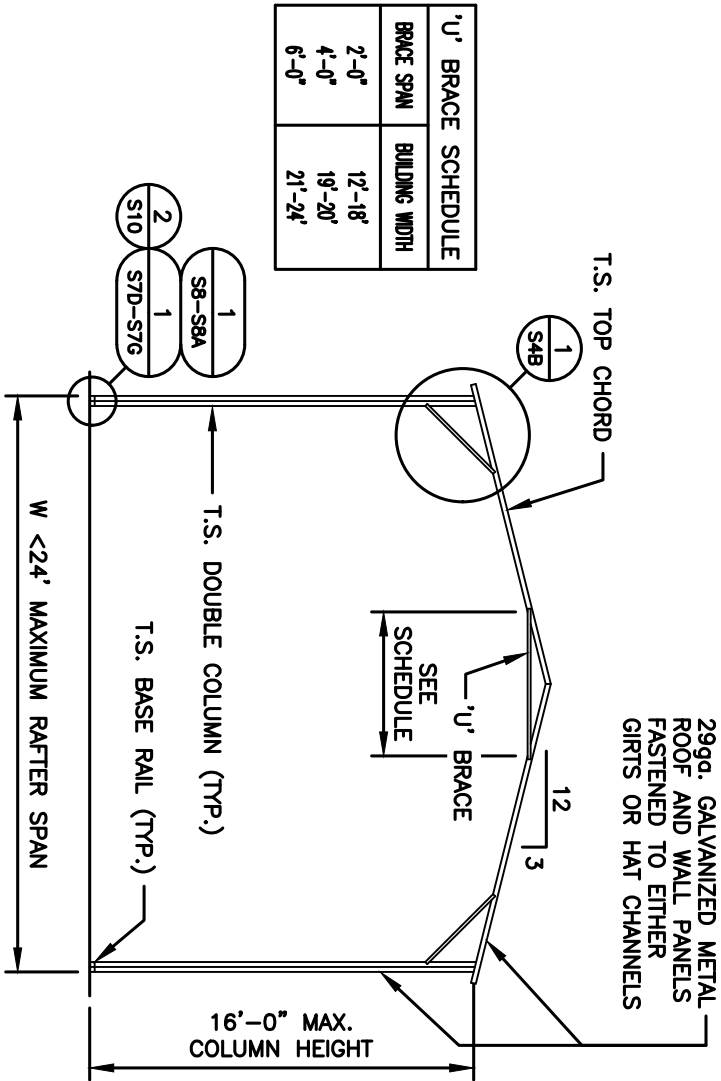


TYPICAL SIDE ELEVATION - VERTICAL ROOF

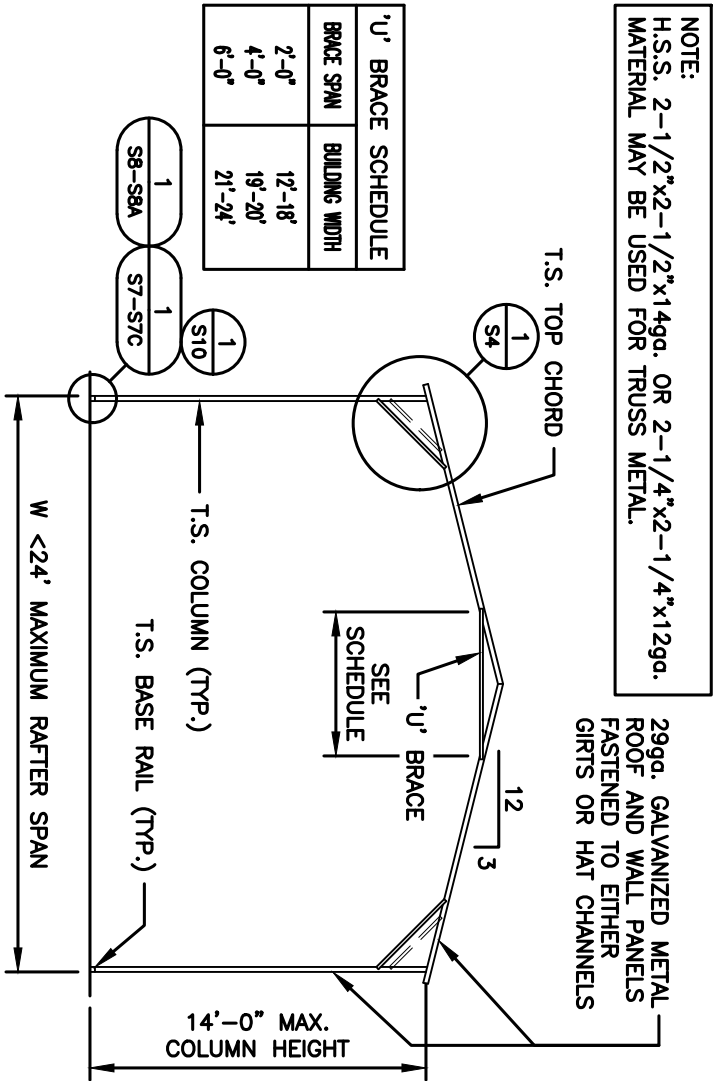
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)	 STEEL BUILDINGS & STRUCTURES INC	(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			Date: 06/24/24	
			Revisions: -	
			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Project No. 24-510				
Sheet No. S1				

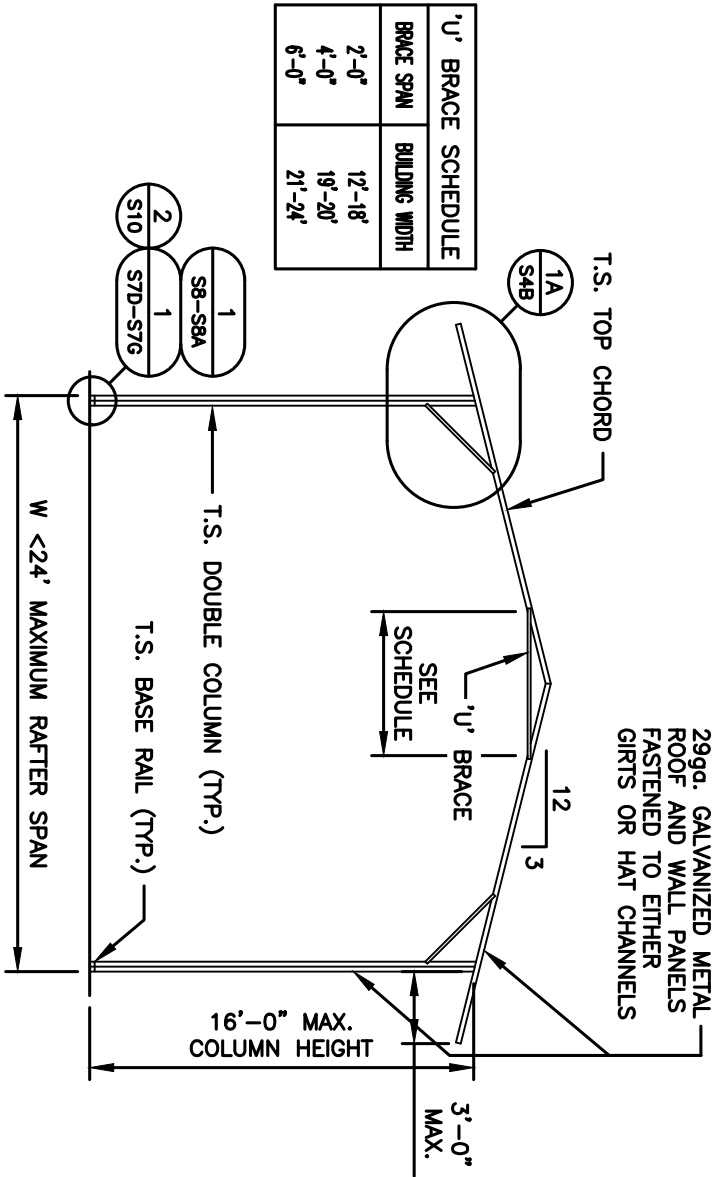
(<24' WIDE / <16' HIGH) BOX EYE RAFTER END WALL SECTIONS



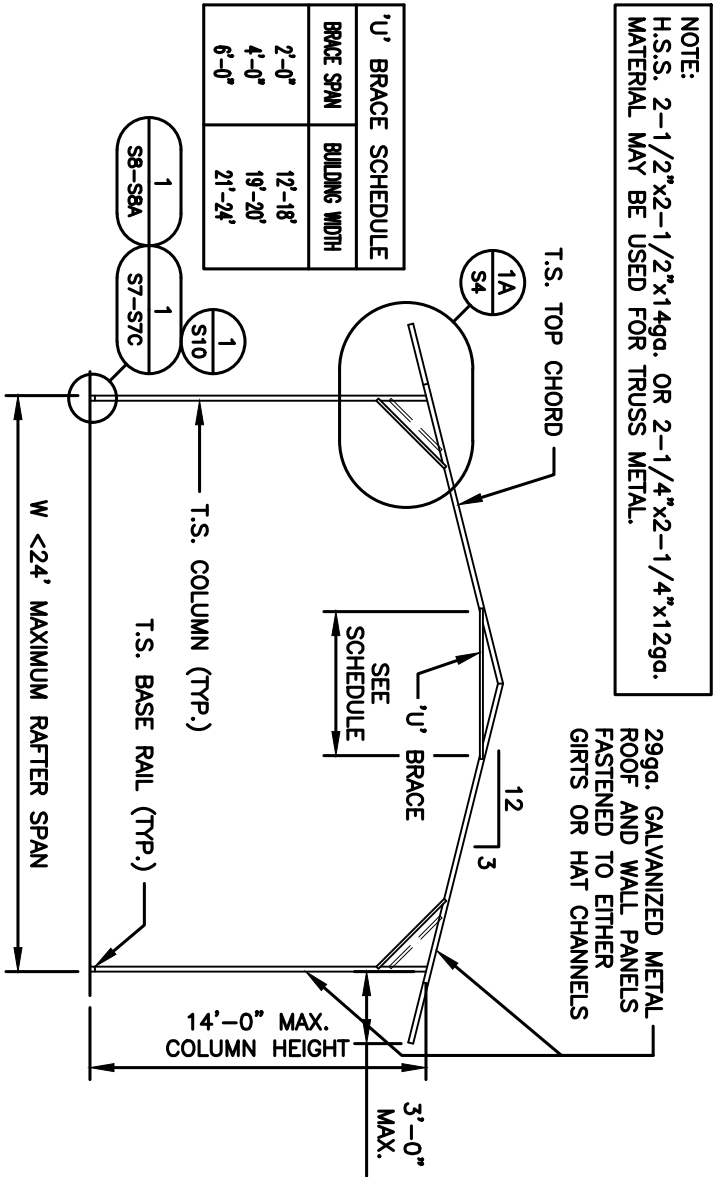
TYPICAL RAFTER / COLUMN FRAME SECTION



TYPICAL RAFTER / COLUMN FRAME SECTION

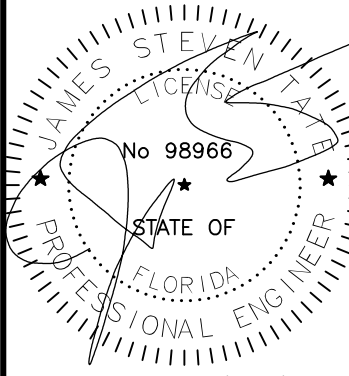
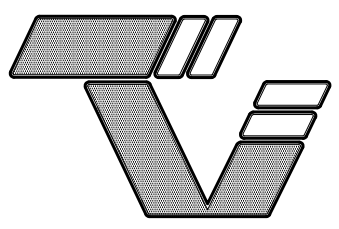


TYPICAL RAFTER / COLUMN FRAME SECTION (3' SOFFIT)

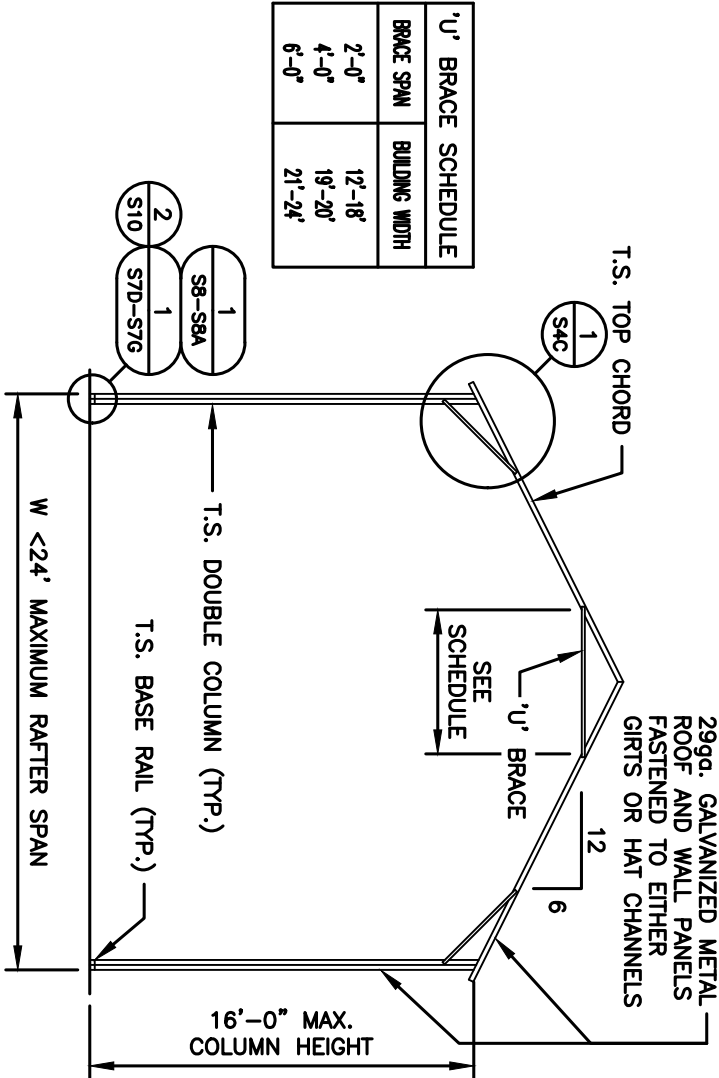


TYPICAL RAFTER / COLUMN FRAME SECTION (3' SOFFIT)

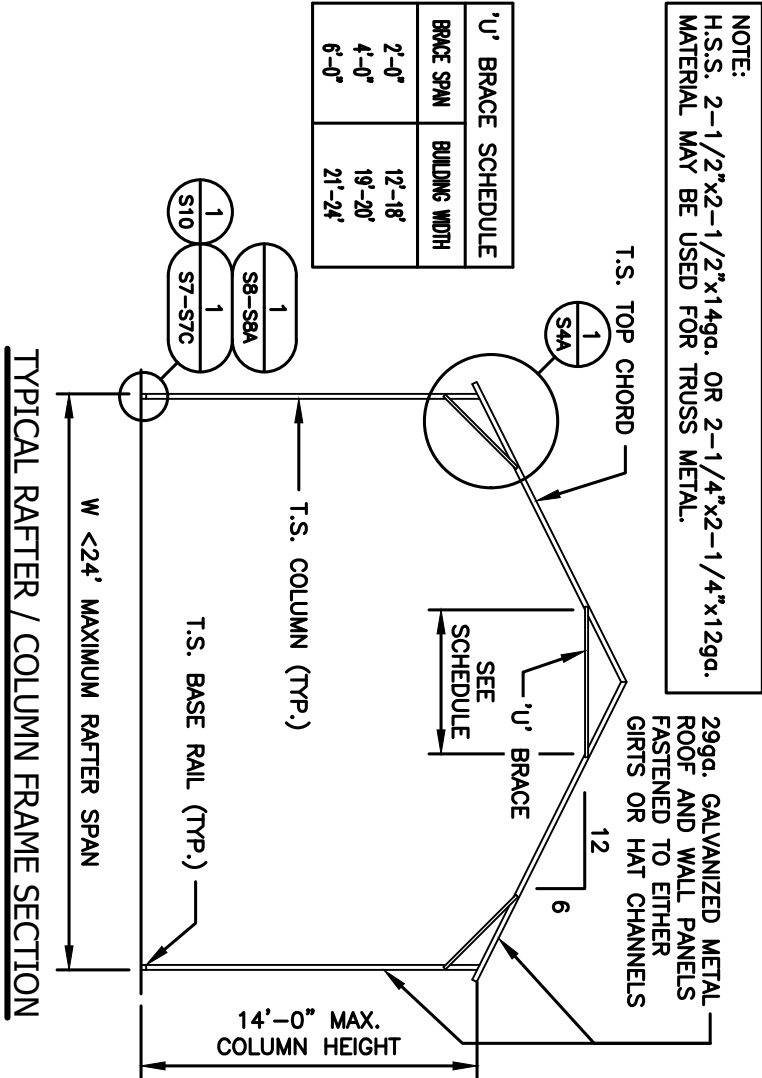
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

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				Sheet No. S2	
Date: 06/24/24		Revisions: -		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	

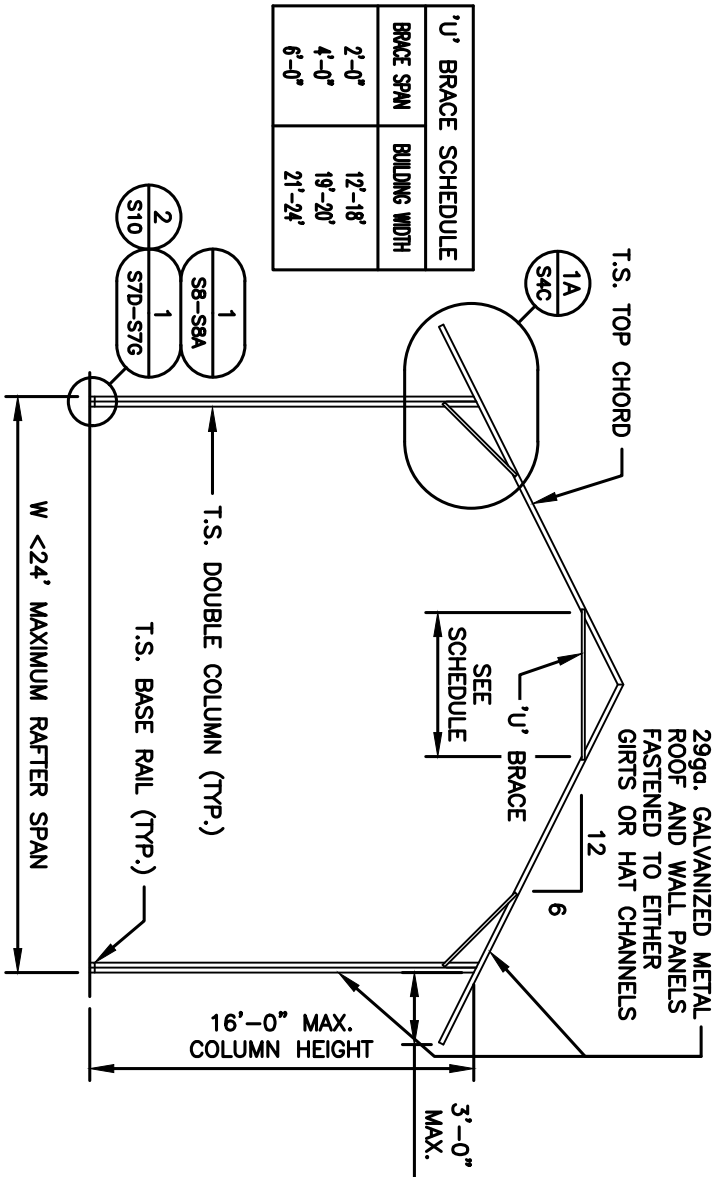
(<24' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS



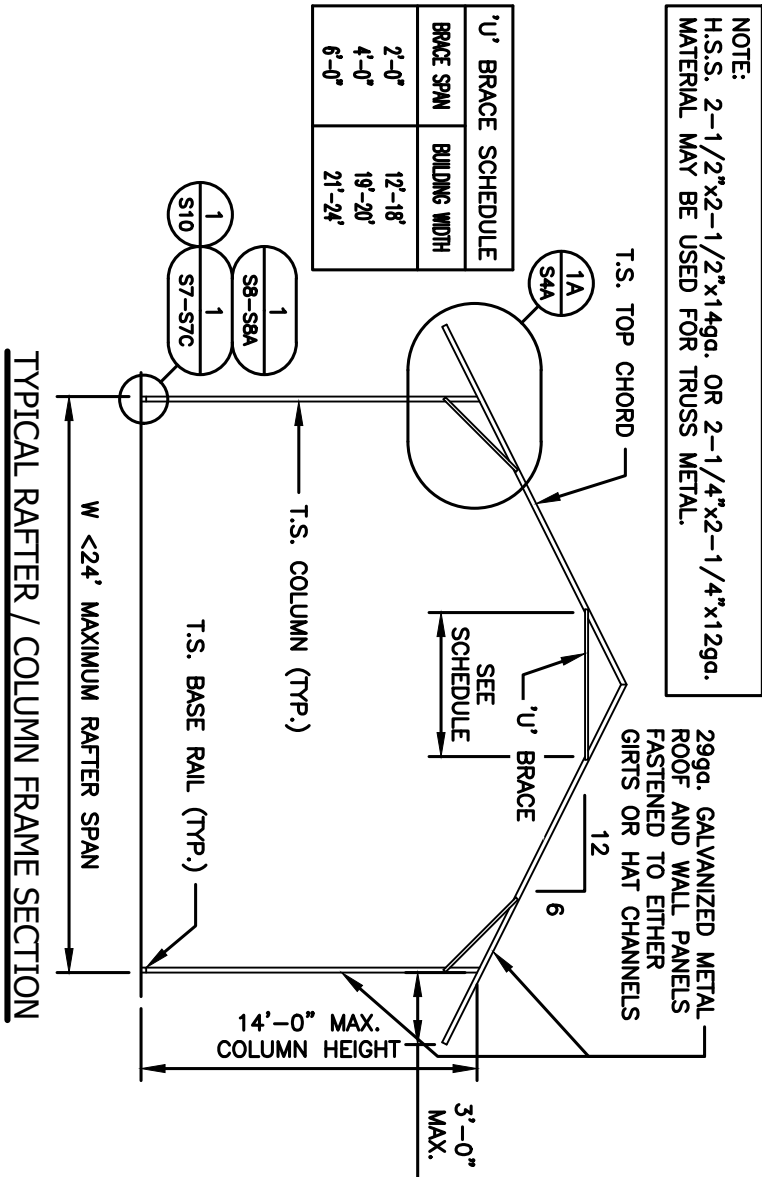
TYPICAL RAFTER / COLUMN FRAME SECTION



TYPICAL RAFTER / COLUMN FRAME SECTION

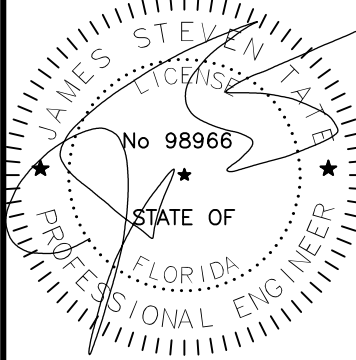
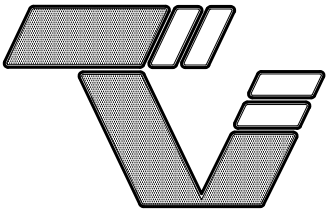


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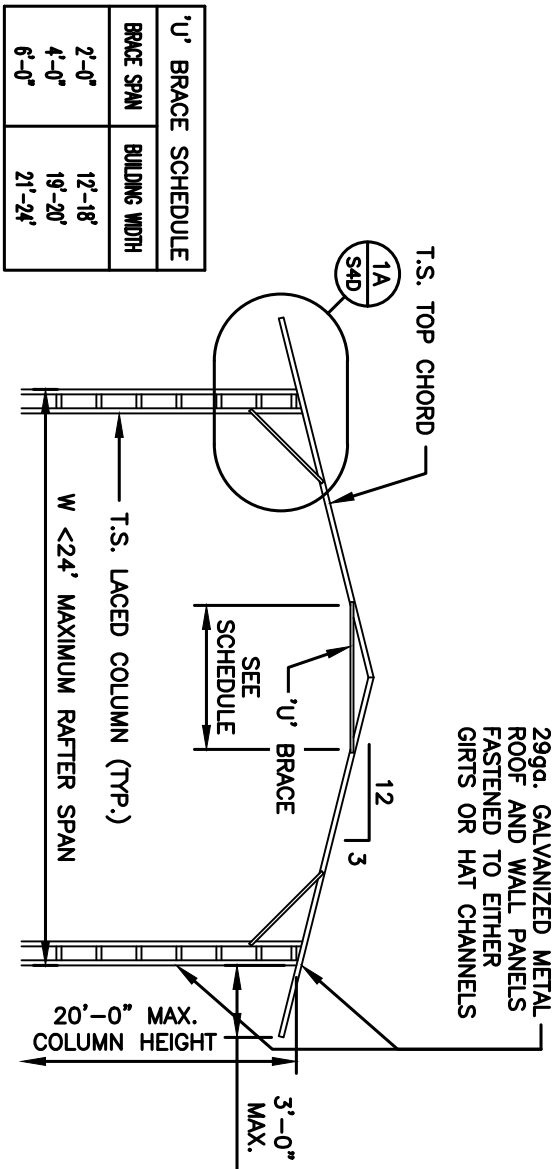


TYPICAL RAFTER / COLUMN FRAME SECTION

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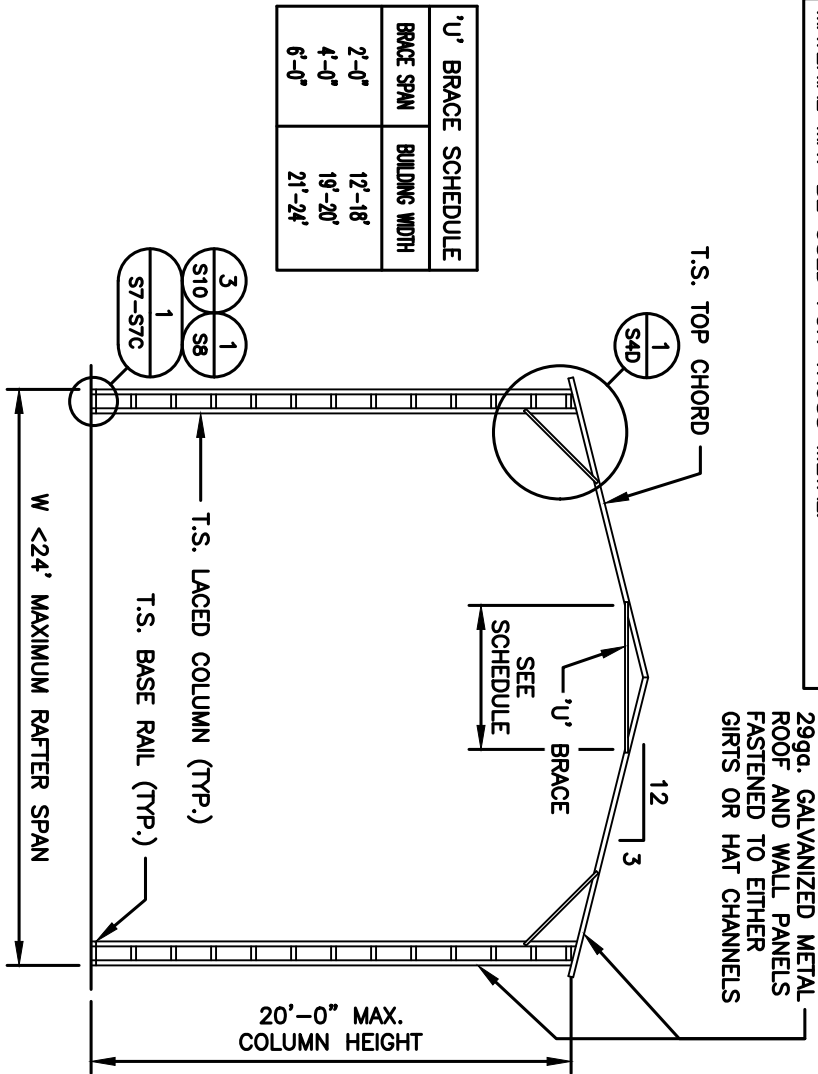
	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			Project No. 24-510	
Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		Sheet No. S2A
Revisions: -				

(<24' WIDE / <20' HIGH) BOX EYE RAFTER END WALL SECTIONS

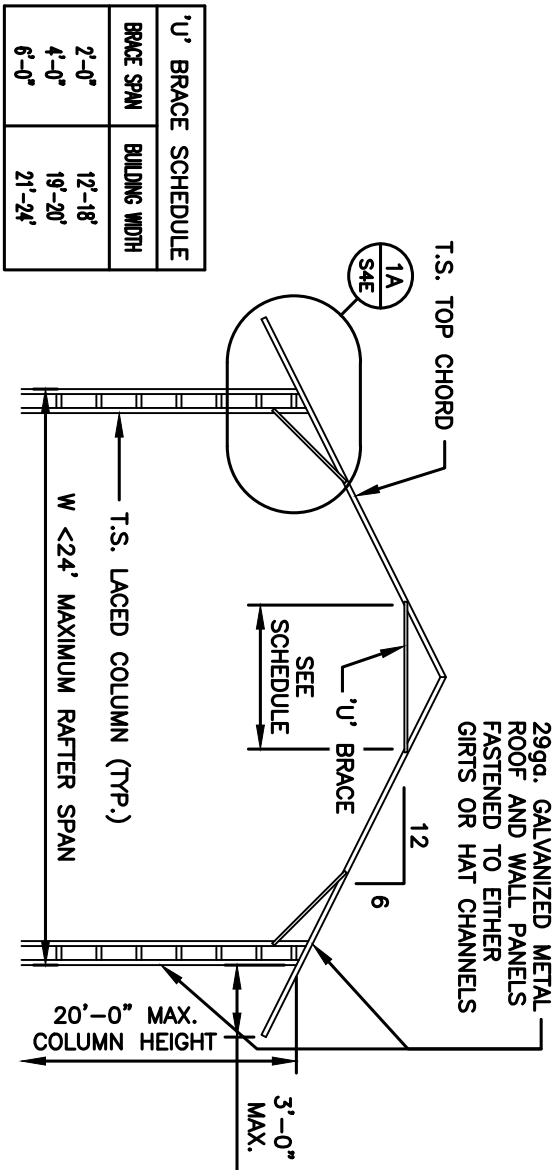


TYPICAL RAFTER / COLUMN FRAME SECTION (3' SOFFIT)

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
MATERIAL MAY BE USED FOR TRUSS METAL.

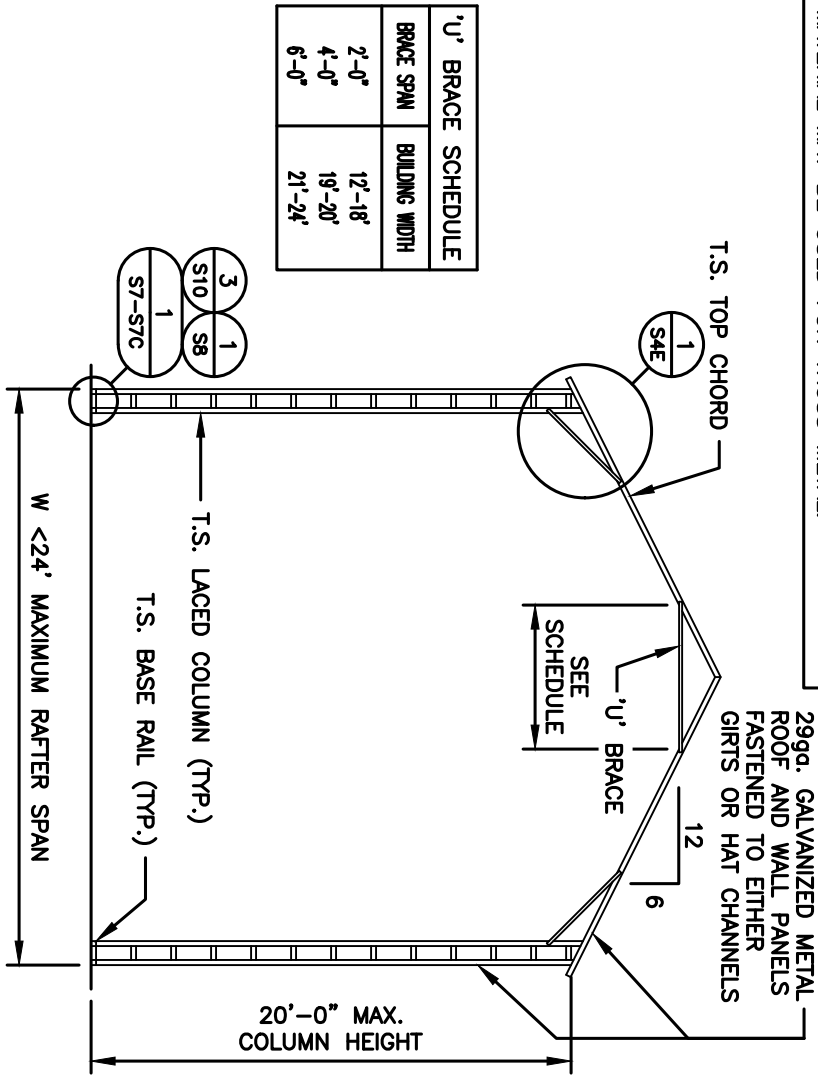


TYPICAL RAFTER / COLUMN FRAME SECTION



TYPICAL RAFTER / COLUMN FRAME SECTION (3' SOFFIT)

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
MATERIAL MAY BE USED FOR TRUSS METAL.



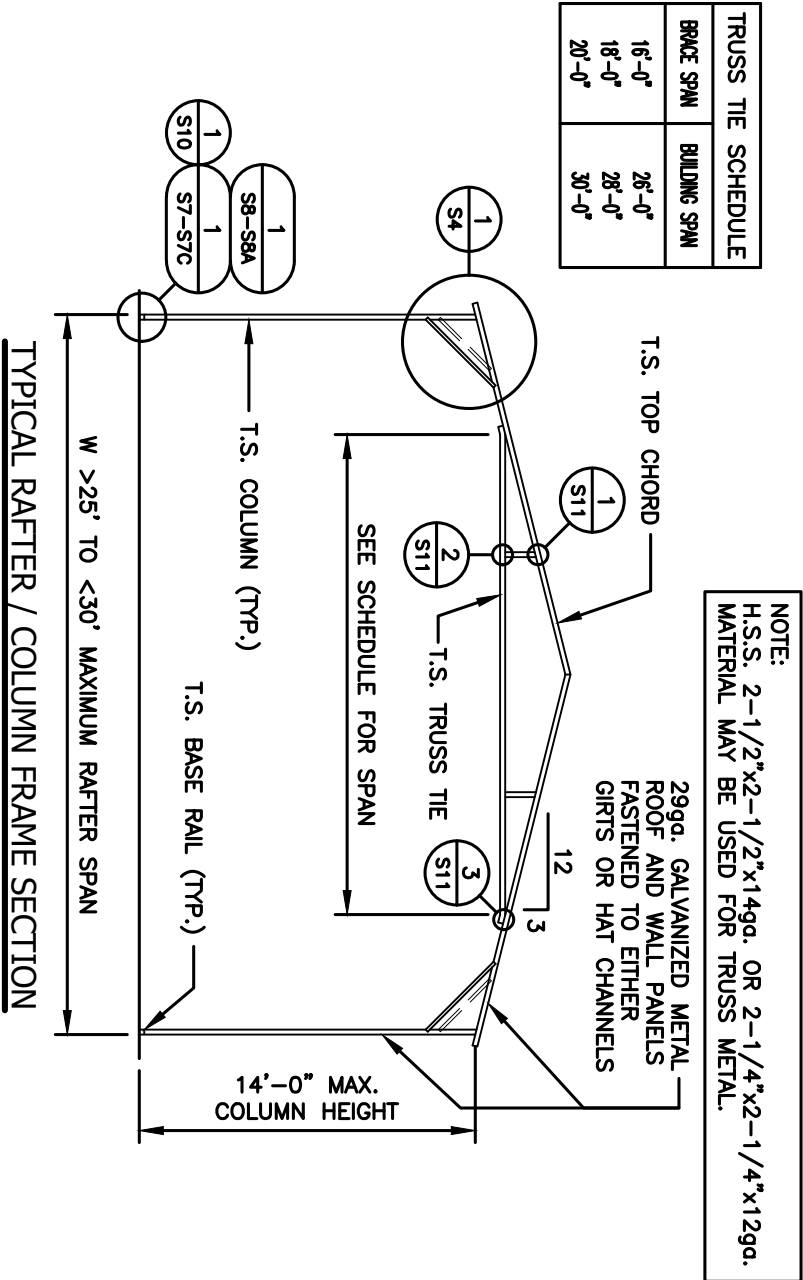
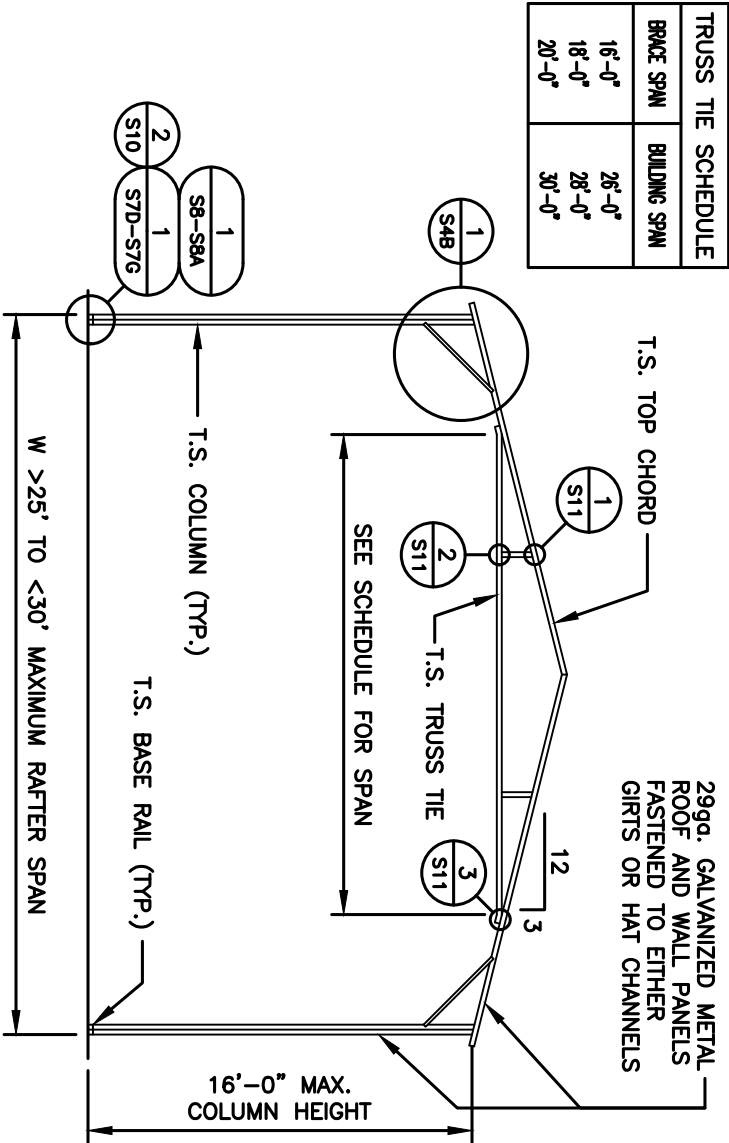
TYPICAL RAFTER / COLUMN FRAME SECTION

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

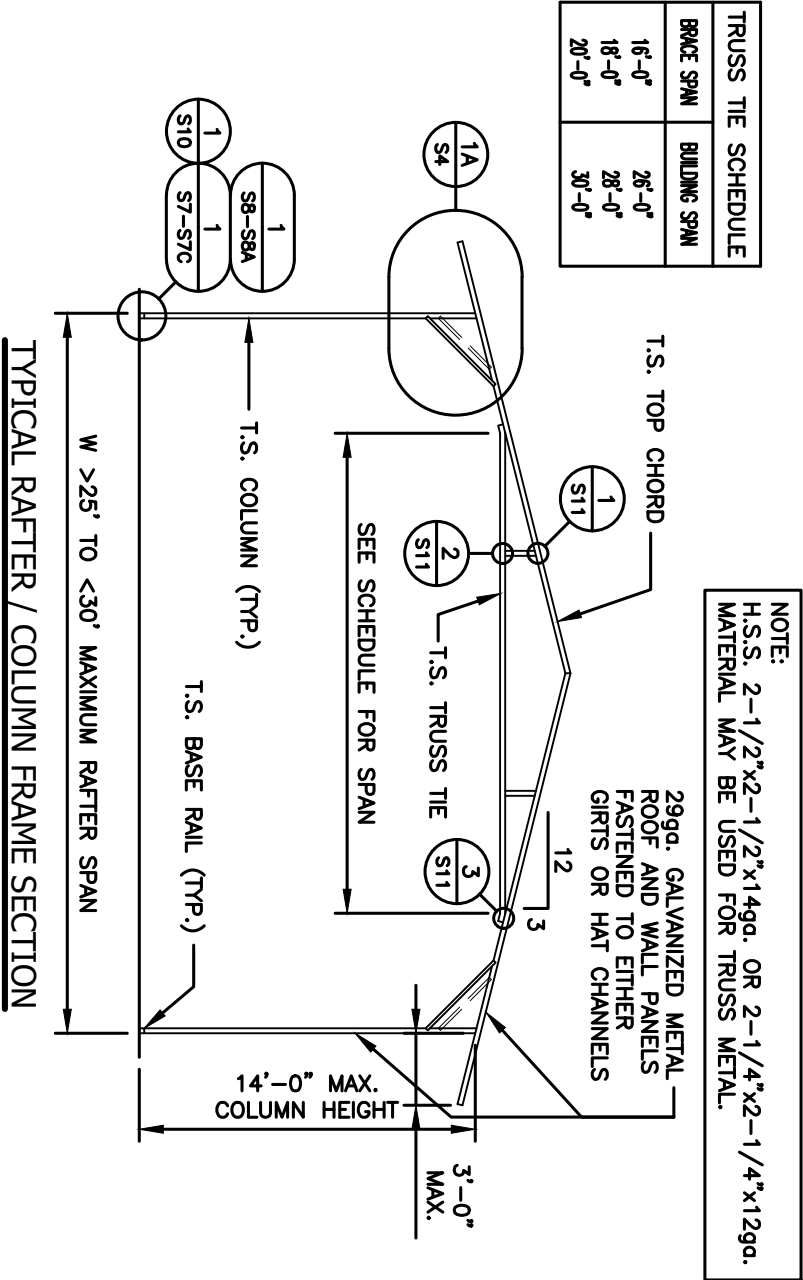
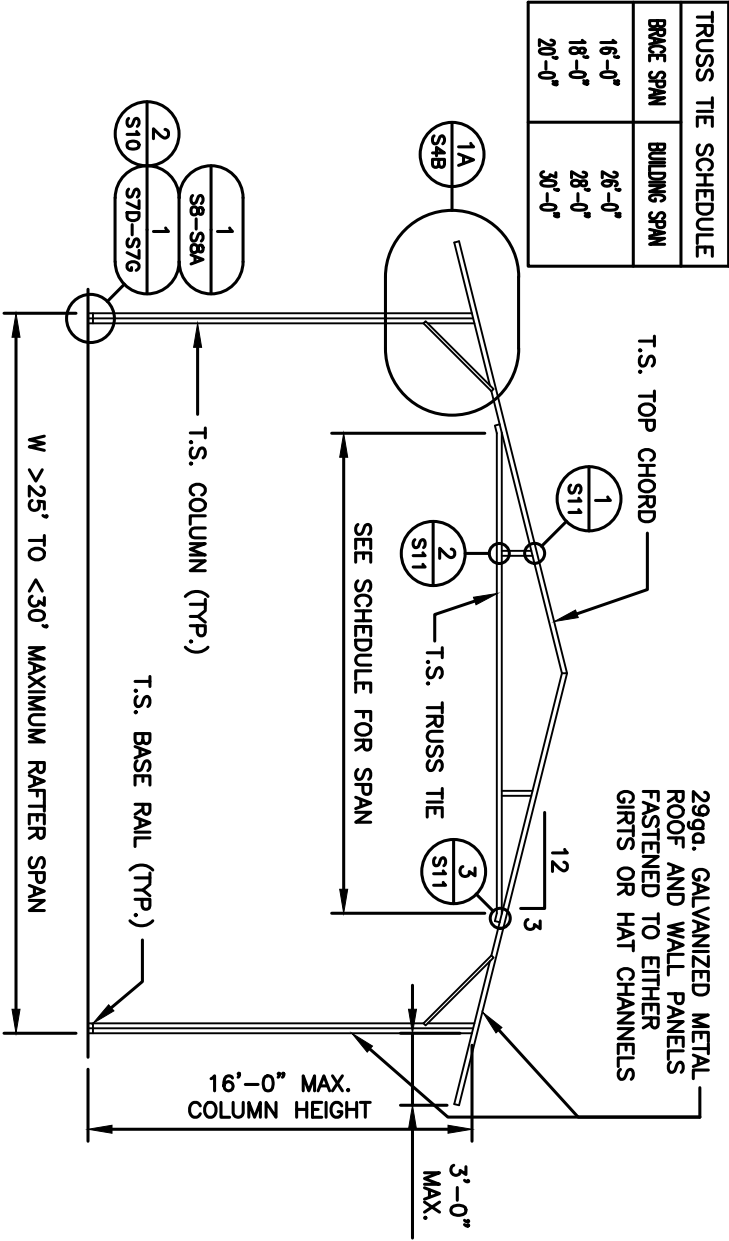
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			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -		Sheet No. S2B		

(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS

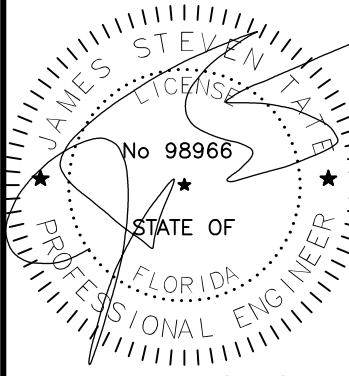
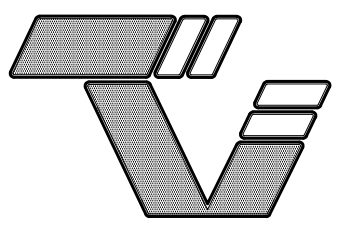
(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS



(>25' - <30' WIDE / <16' HIGH) BOX EVE RAFTER END WALL SECTIONS (3' SOFFIT)



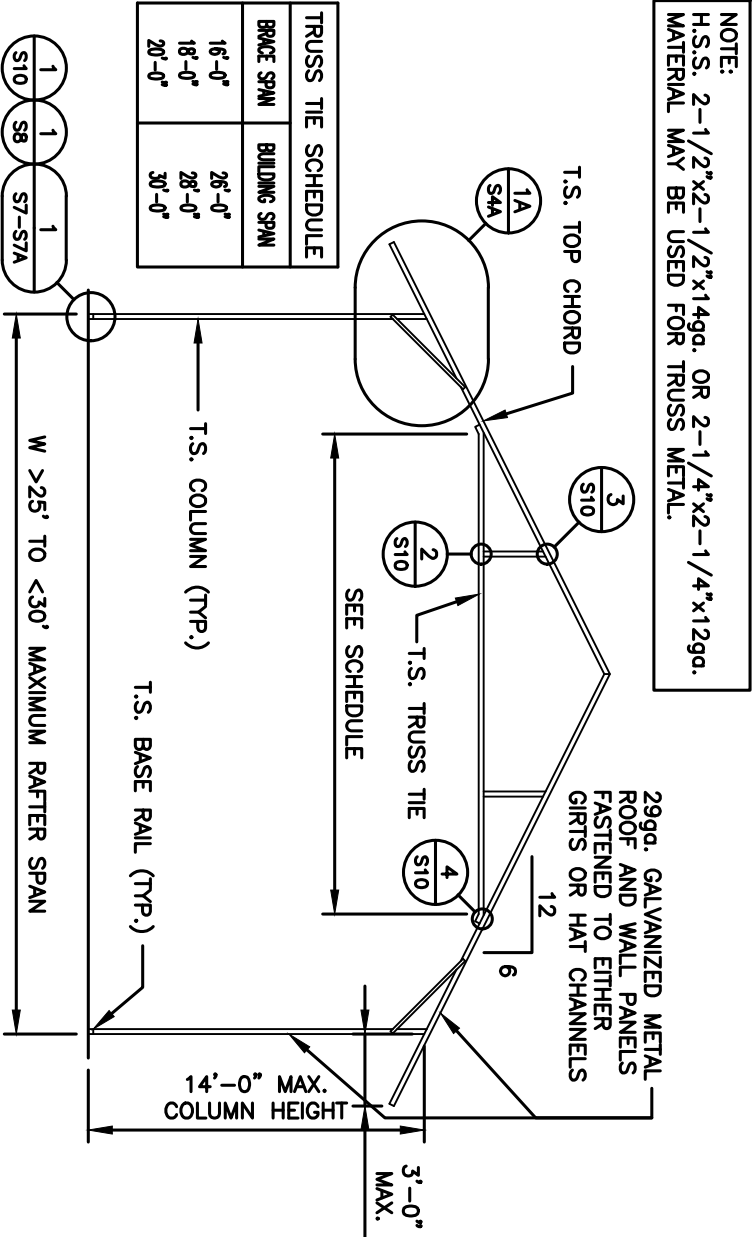
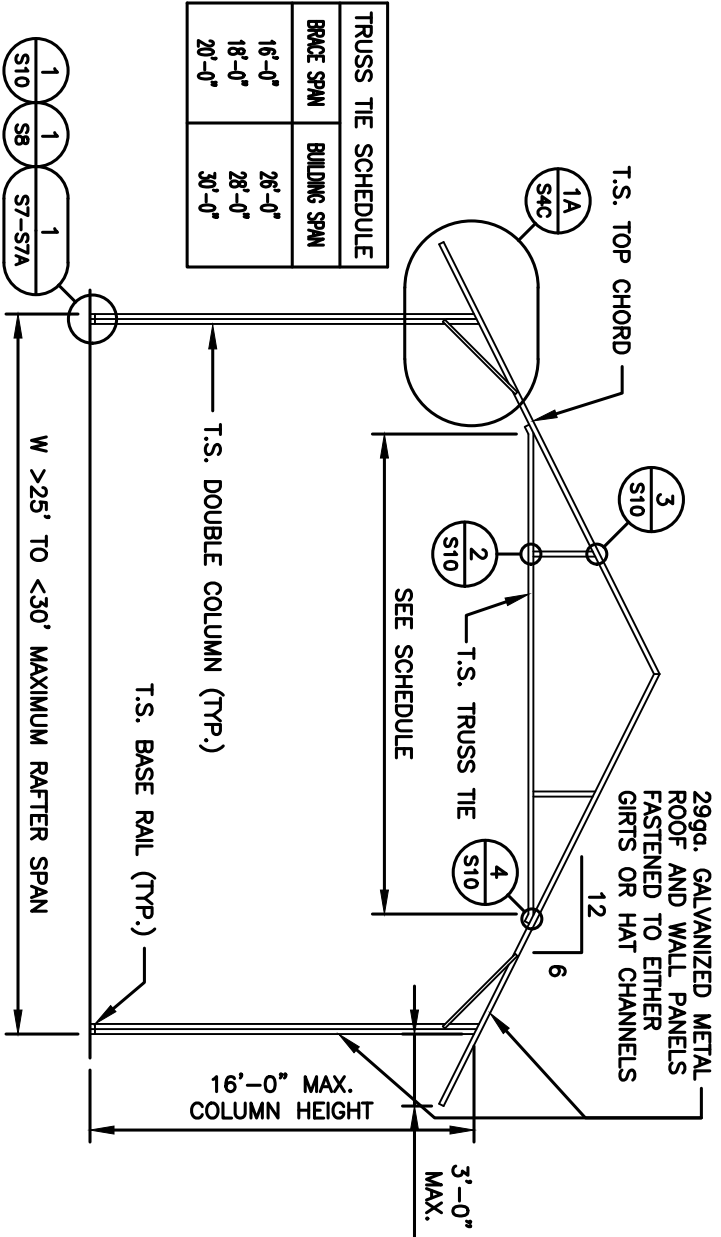
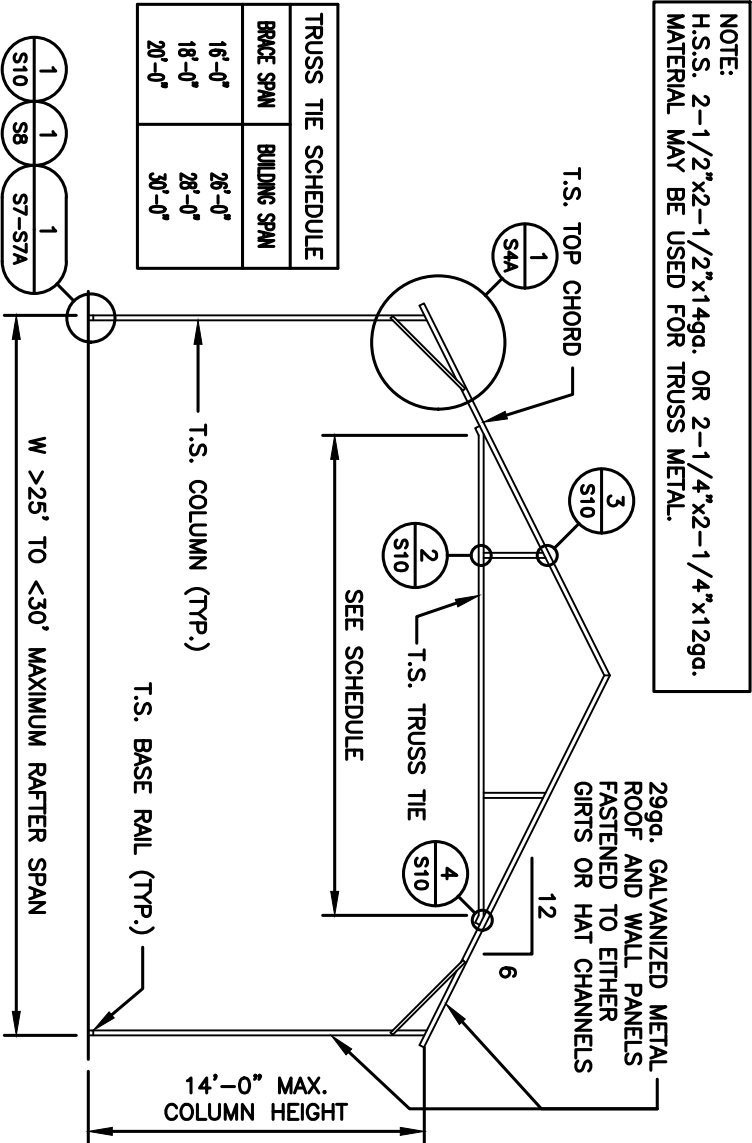
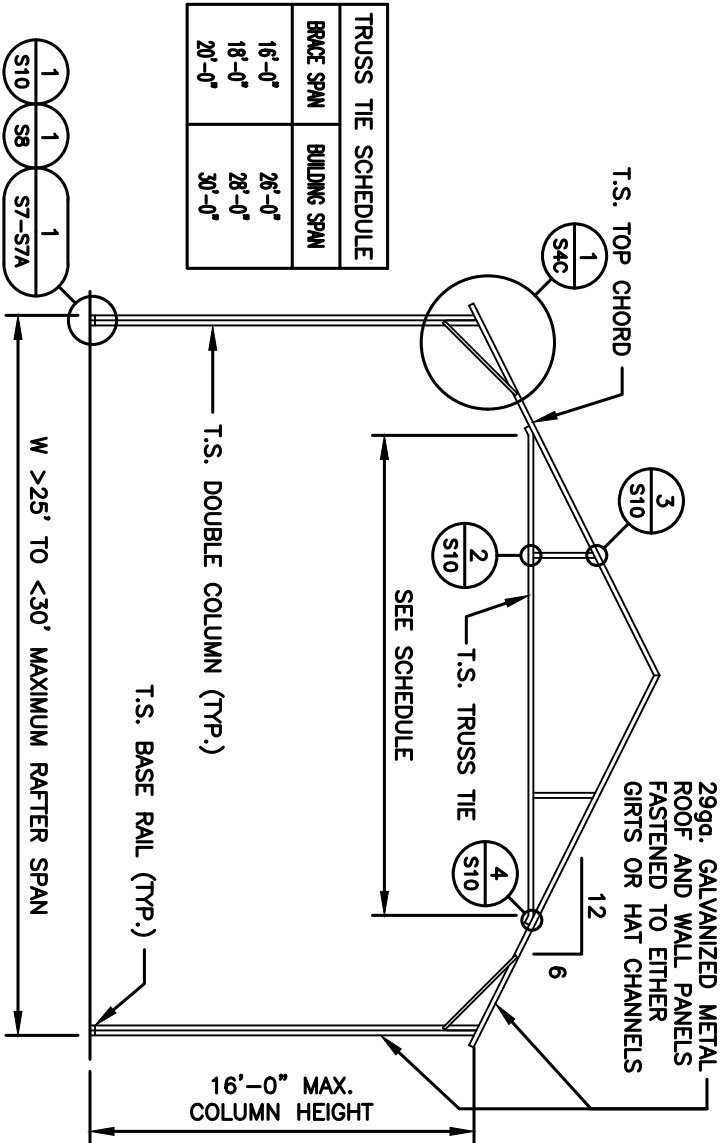
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 6/24/24	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -		Sheet No. S2C		

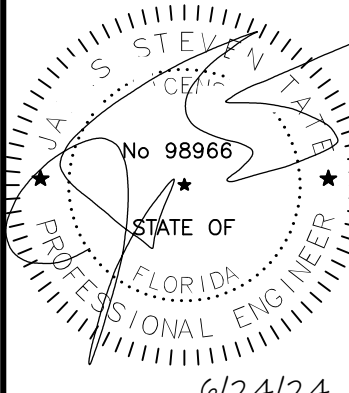
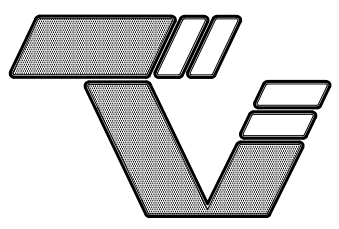
(>25' - <30' WIDE / <16' HIGH) BOX EYE RAFTER END WALL SECTIONS

(>25' - <30' WIDE / <16' HIGH) BOX EYE RAFTER END WALL SECTIONS (6:12 PITCH)

(>25' - <30' WIDE / <16' HIGH) BOX EYE RAFTER END WALL SECTIONS (6:12 PITCH / 3' SOFFIT)

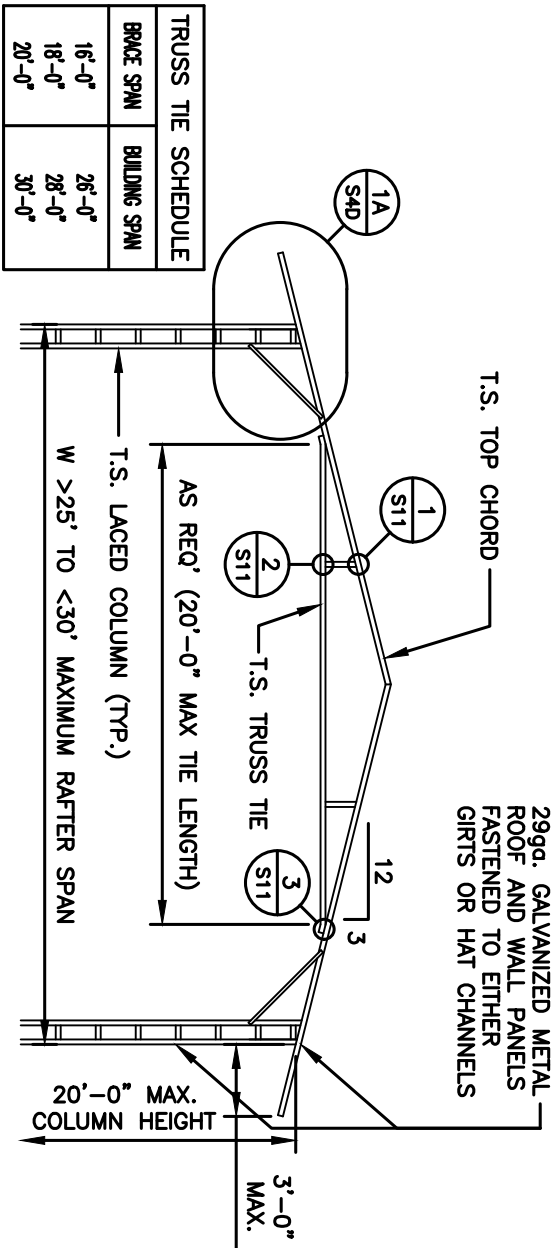


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			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -		Sheet No. S2D		

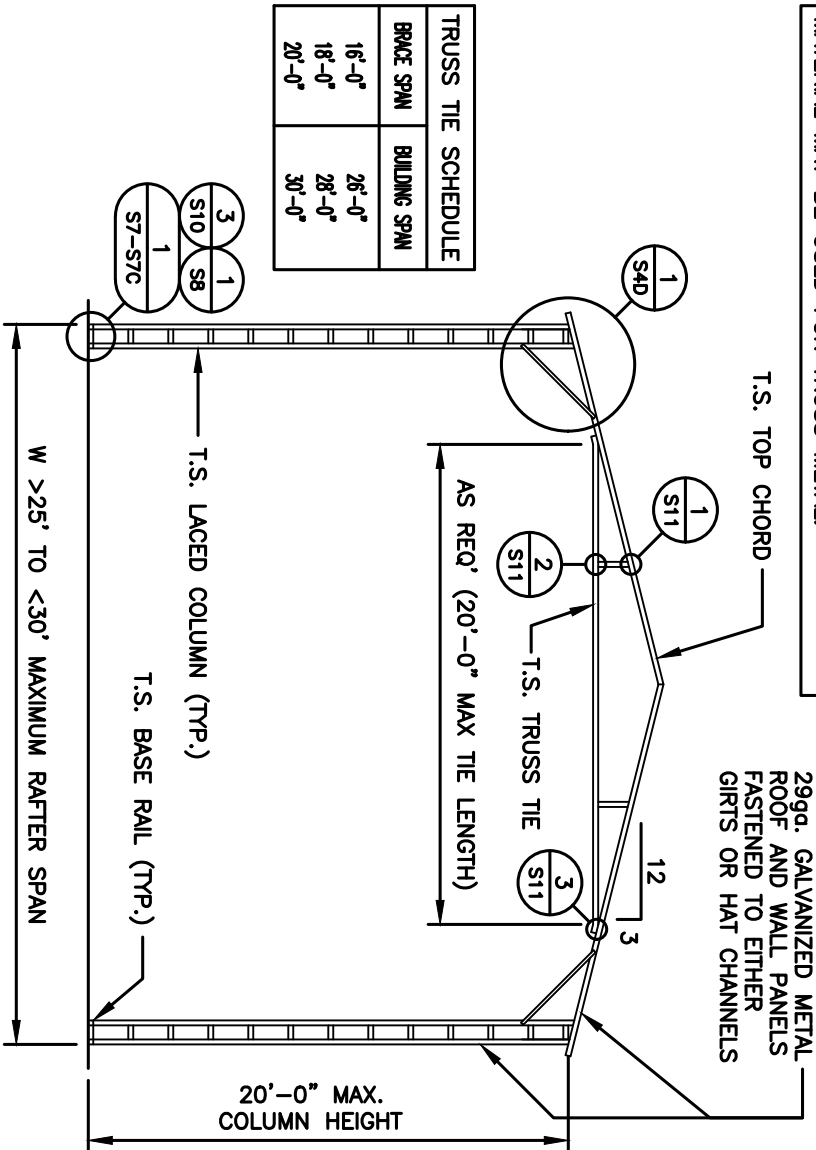
(>25' - <30' WIDE / <20' HIGH) BOX EVE RAFTER END WALL SECTIONS

(<30' WIDE / <20' HIGH) BOX EVE RAFTER END WALL SECTION



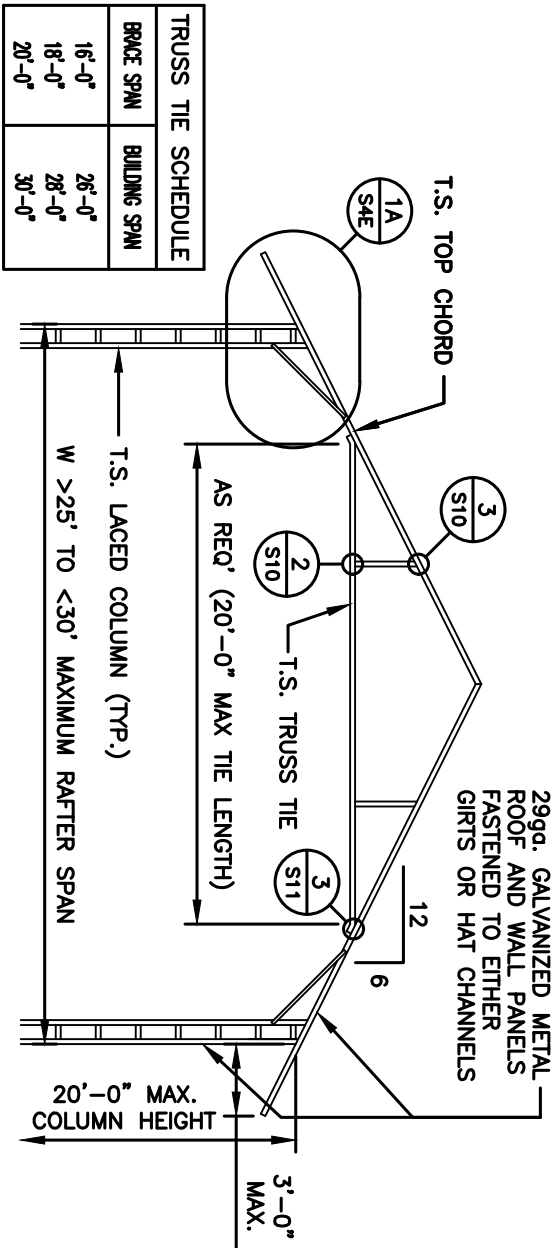
TYPICAL RAFTER / COLUMN FRAME SECTION (3' SOFFIT)

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
MATERIAL MAY BE USED FOR TRUSS METAL.



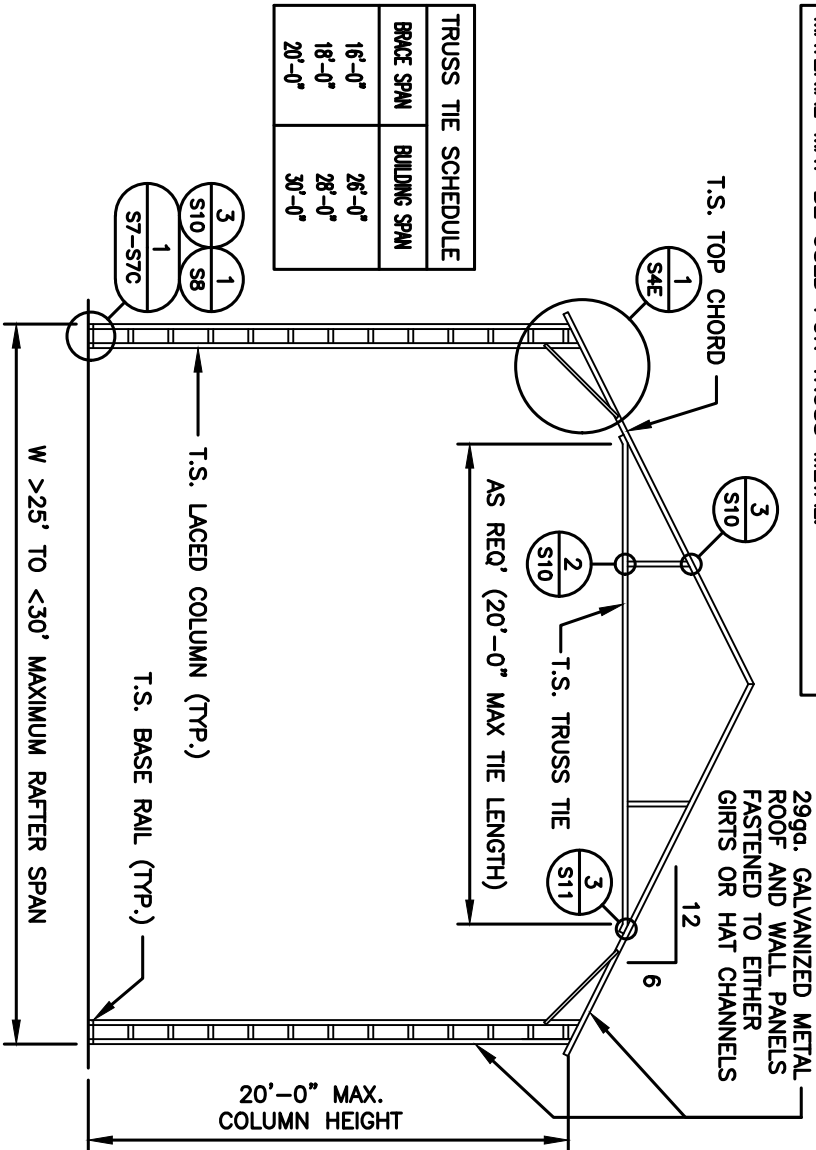
TYPICAL RAFTER / COLUMN FRAME SECTION

(<30' WIDE / <20' HIGH) BOX EVE RAFTER END WALL SECTION (6:12 PITCH)



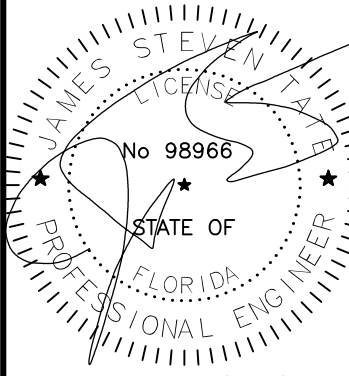
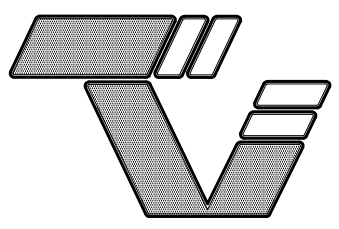
TYPICAL RAFTER / COLUMN FRAME SECTION (3' SOFFIT)

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
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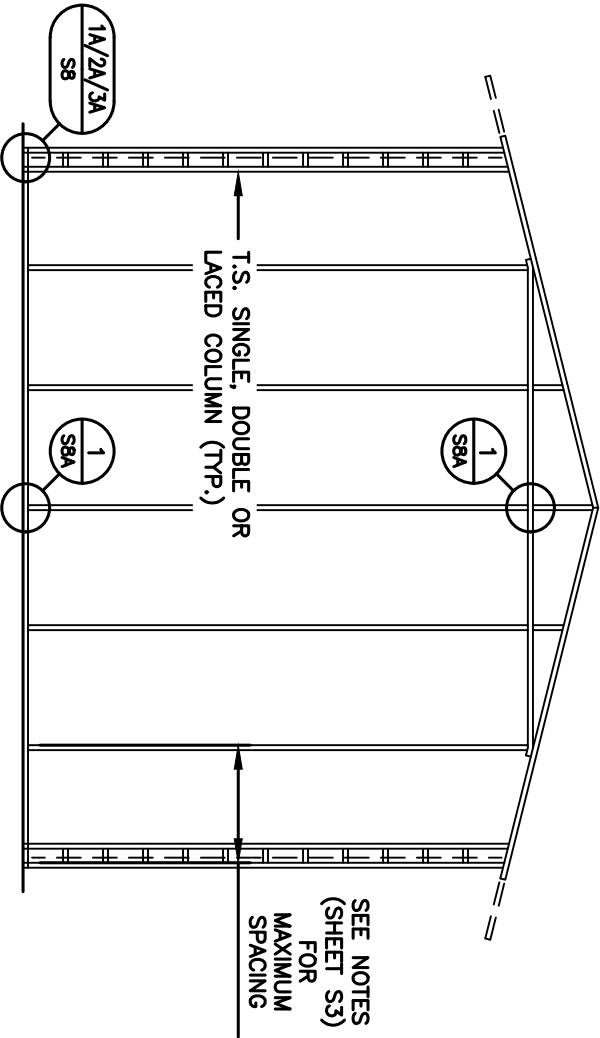


TYPICAL RAFTER / COLUMN FRAME SECTION

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

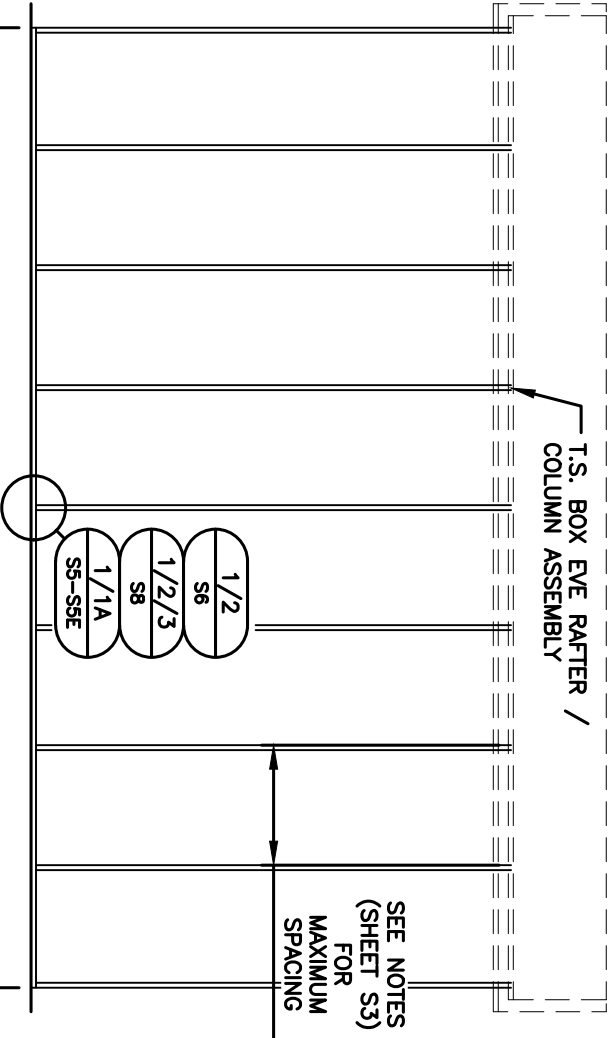
	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			JCMT Associates, PLLC	
			211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -		Sheet No. S2E		

TYPICAL SIDE / END FRAMING ELEVATIONS



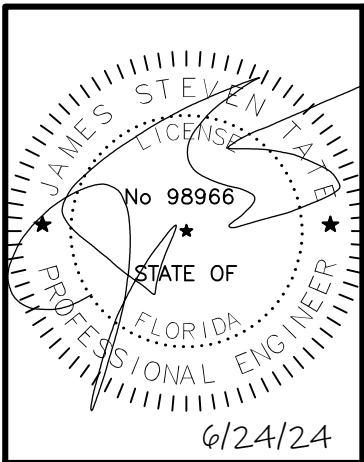
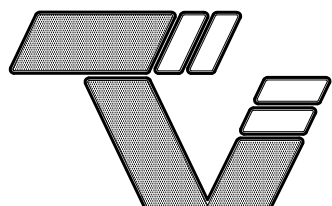
TYPICAL BOX EVE RAFTER / END WALL COLUMN FRAME SECTION

NOTE:
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.
MATERIAL MAY BE USED FOR TRUSS METAL.

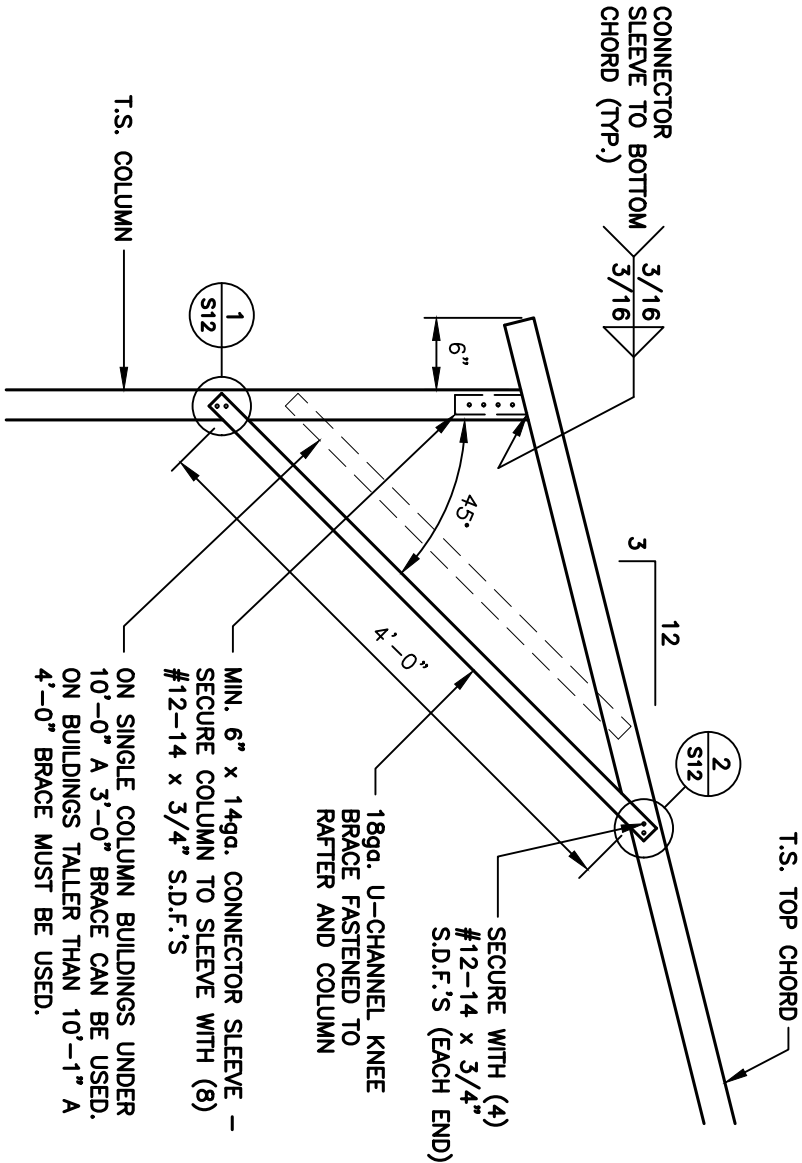


TYPICAL RAFTER / COLUMN SIDE FRAME SECTION

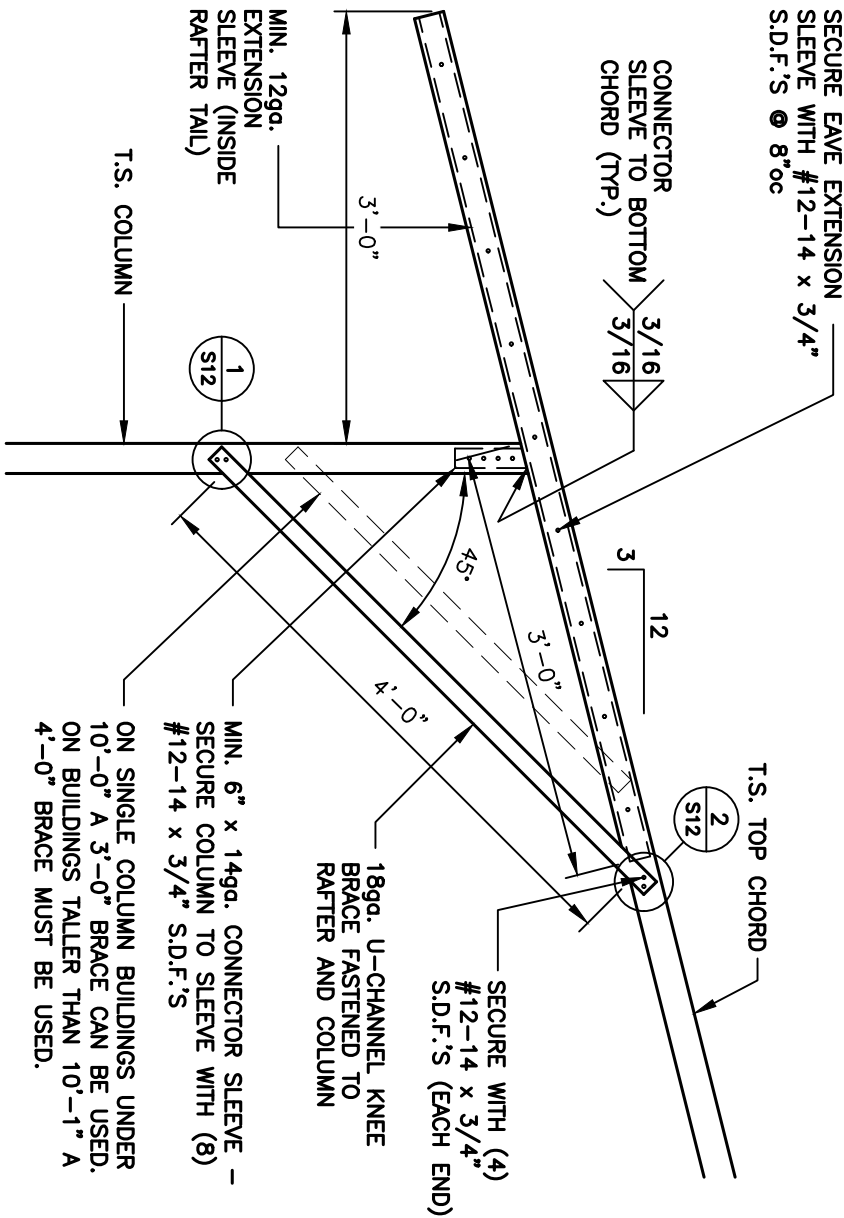
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

 6/24/24	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)				(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
						Sheet No. S3
						Date: 06/24/24
Revisions: -						

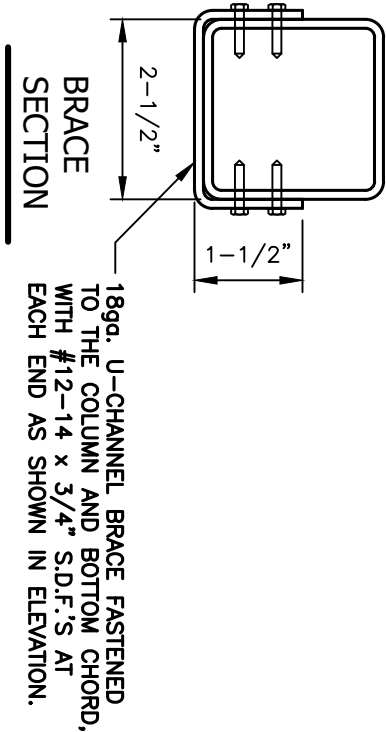
SINGLE COLUMN OPTION



1
S4
BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS < 14'-0"
SCALE: 3/4" = 1'-0"



1A
S4
BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS < 14'-0" (3' SOFFIT)
SCALE: 3/4" = 1'-0"

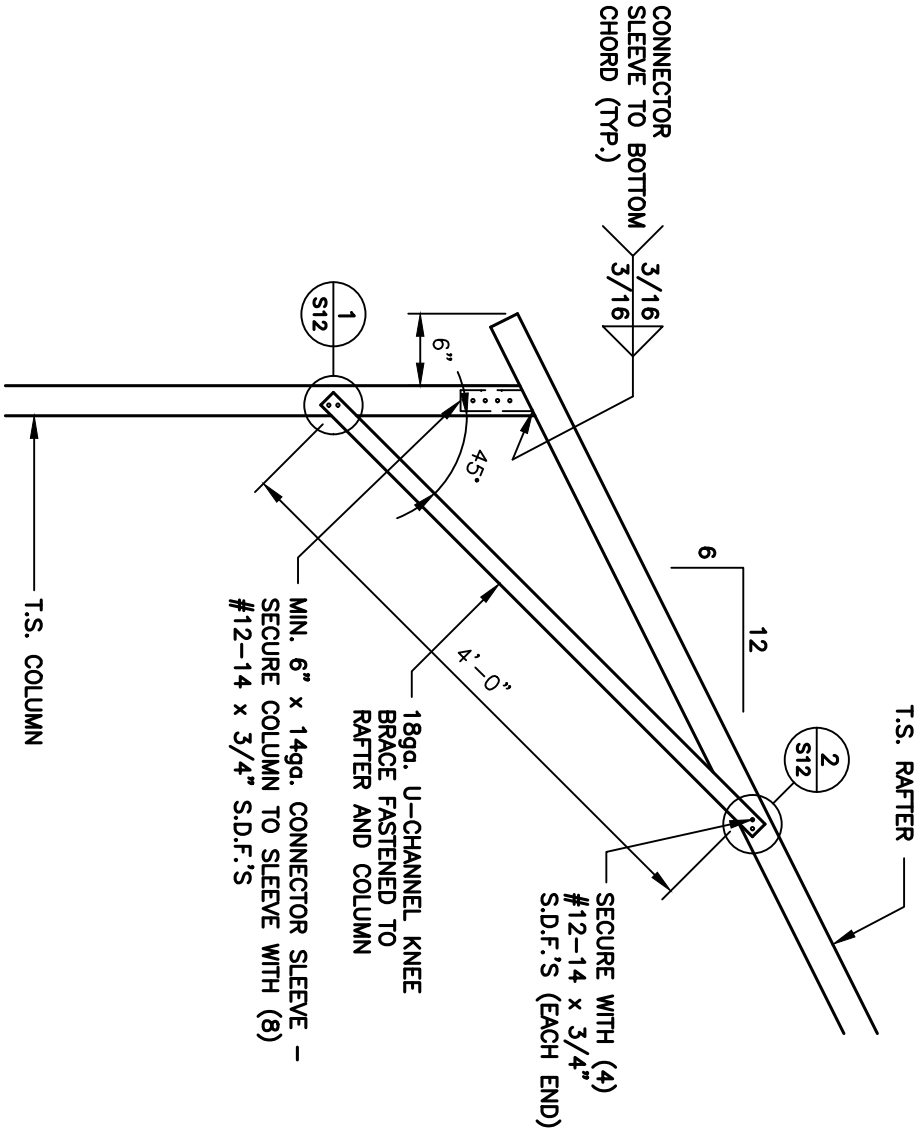


1B
SECTION
18ga. U-CHANNEL BRACE FASTENED
TO THE COLUMN AND BOTTOM CHORD,
WITH #12-14 x 3/4" S.D.F.'S AT
EACH END AS SHOWN IN ELEVATION.

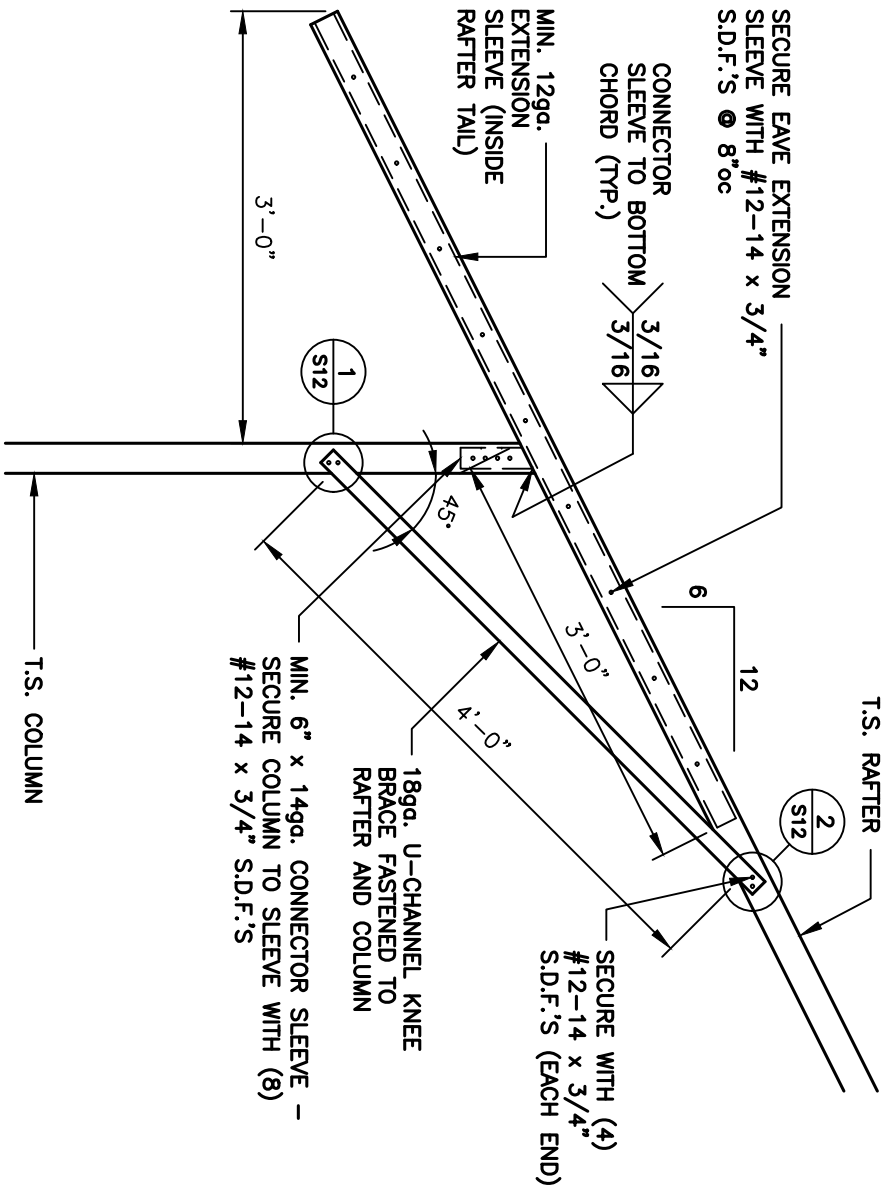
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
				Sheet No. S4
Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		
Revisions: -				

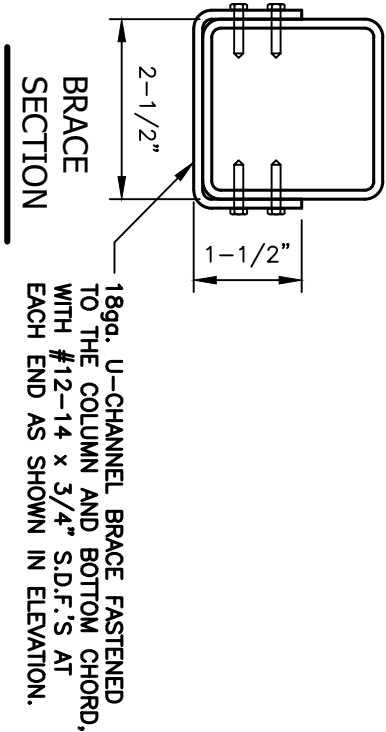
SINGLE COLUMN OPTION



1
S4A BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS < 14'-0" (6:12 PITCH)
SCALE: 3/4" = 1'-0"

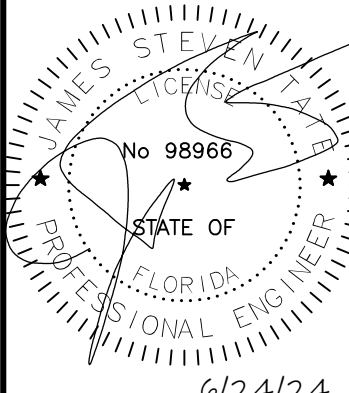
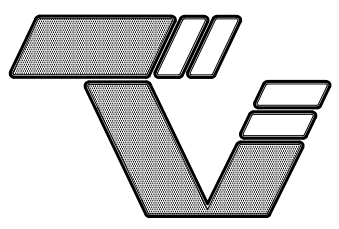


1A
S4A BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS < 14'-0" (6:12 PITCH / 3' SOFFIT)
SCALE: 3/4" = 1'-0"

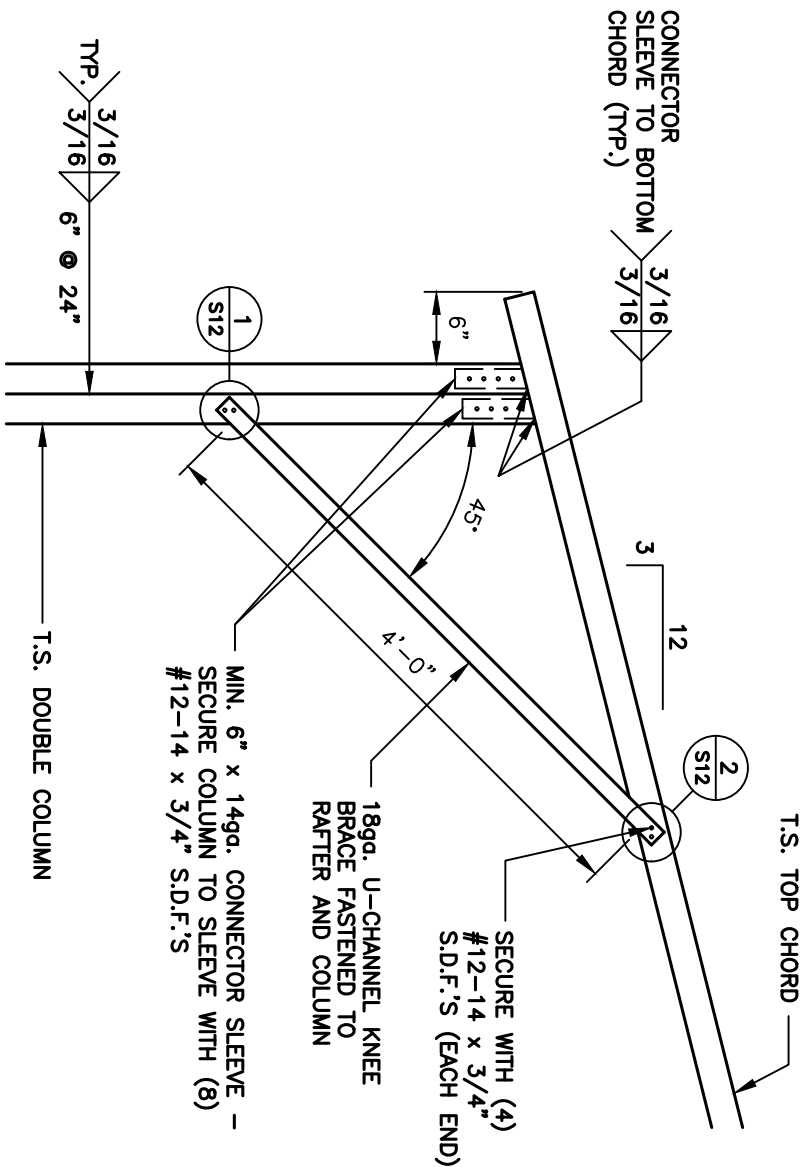


18ga. U-CHANNEL BRACE FASTENED
TO THE COLUMN AND BOTTOM CHORD,
WITH #12-14 x 3/4" S.D.F.'S AT
EACH END AS SHOWN IN ELEVATION.

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

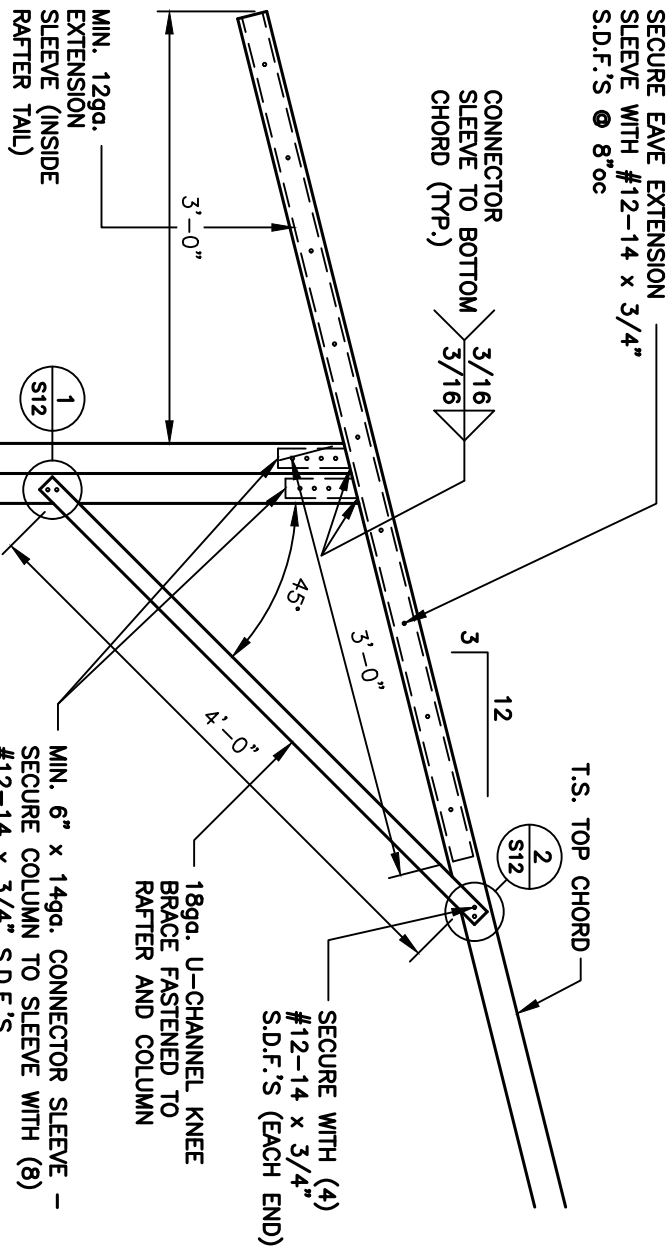
	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -		Sheet No. S4A		

DOUBLE COLUMN OPTION



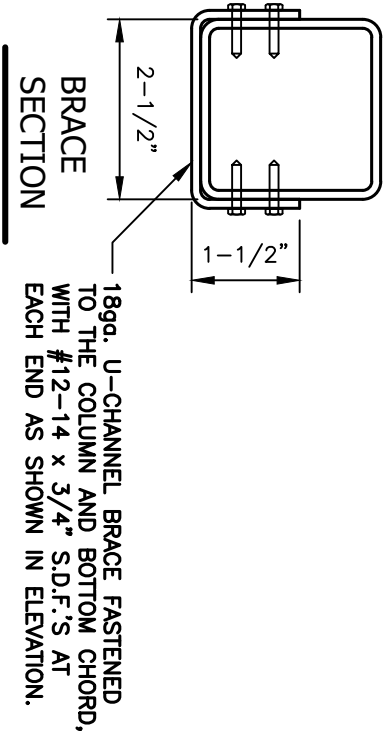
BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS > 14'-1" TO < 16'-0"

1
S4B SCALE: 3/4" = 1'-0"

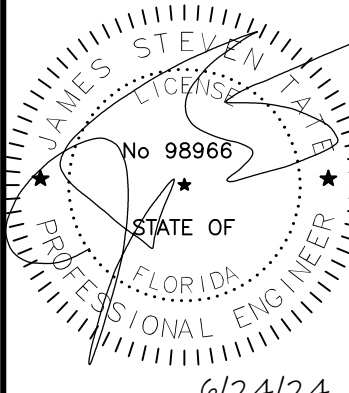
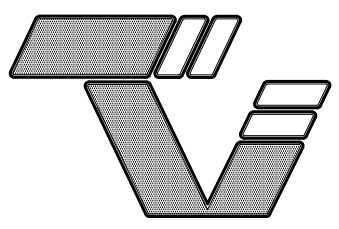


BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS > 14'-1" TO < 16'-0" (3' SOFFIT)

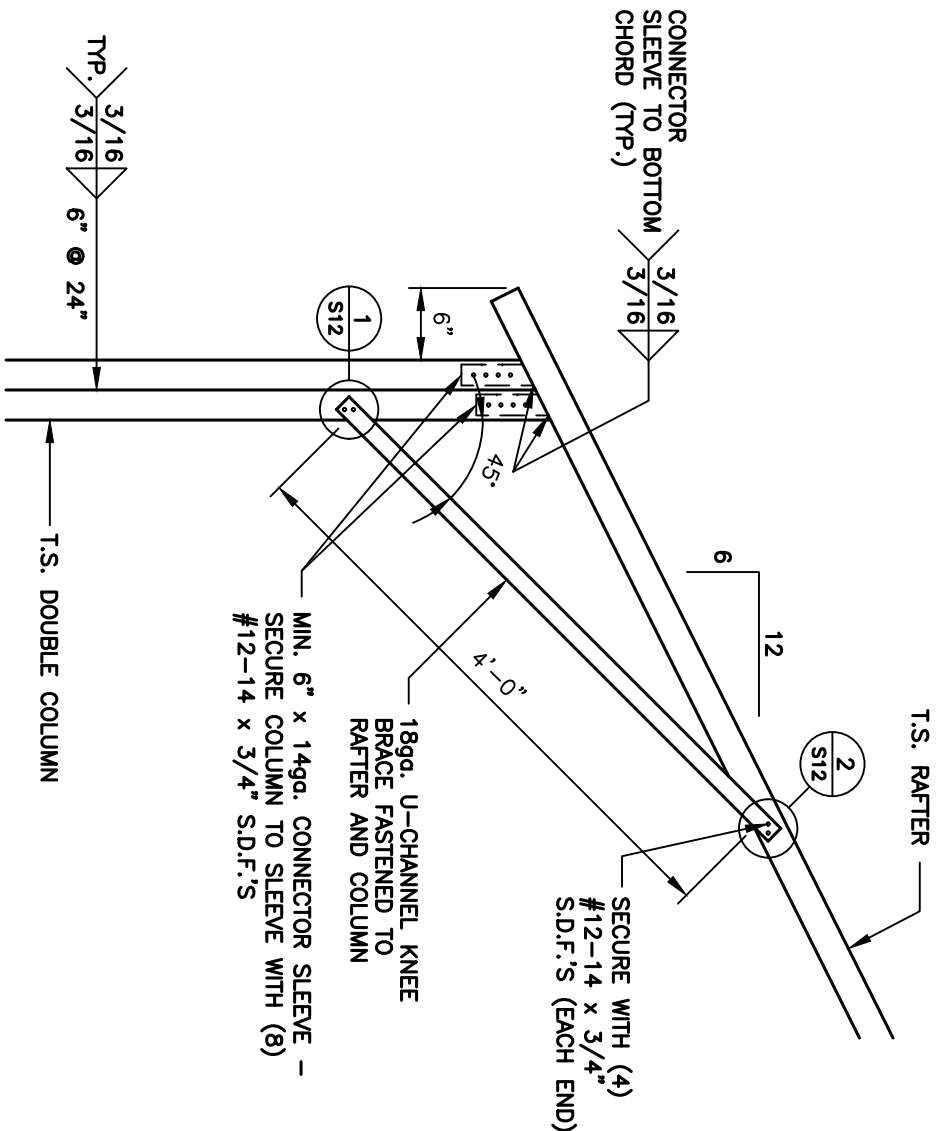
1A
S4B SCALE: 3/4" = 1'-0"



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

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -		Sheet No. S4B		

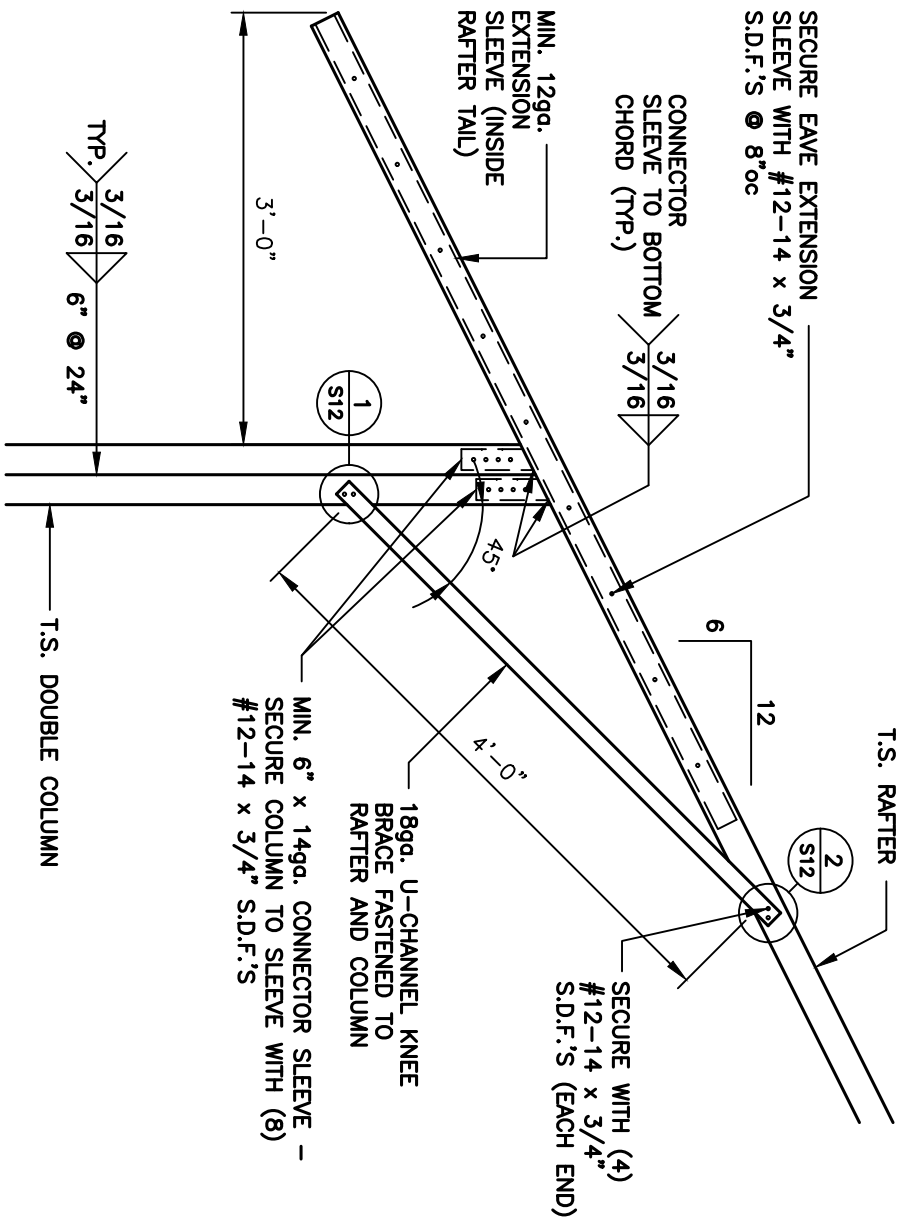
DOUBLE COLUMN OPTIONS



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS > 14'-1" TO < 16'-0" (6:12 PITCH)

1
S4C

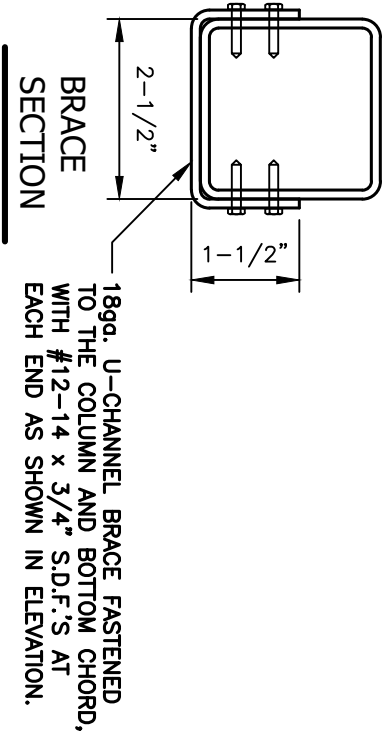
SCALE: 3/4" = 1'-0"



BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS > 14'-0" TO < 16'-0" (6:12 PITCH / 3' SOFFIT)

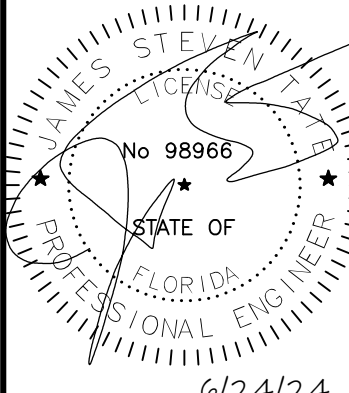
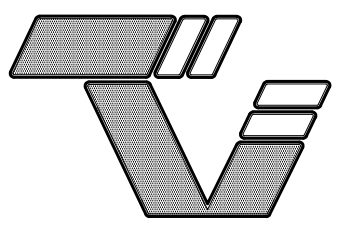
1A
S4C

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

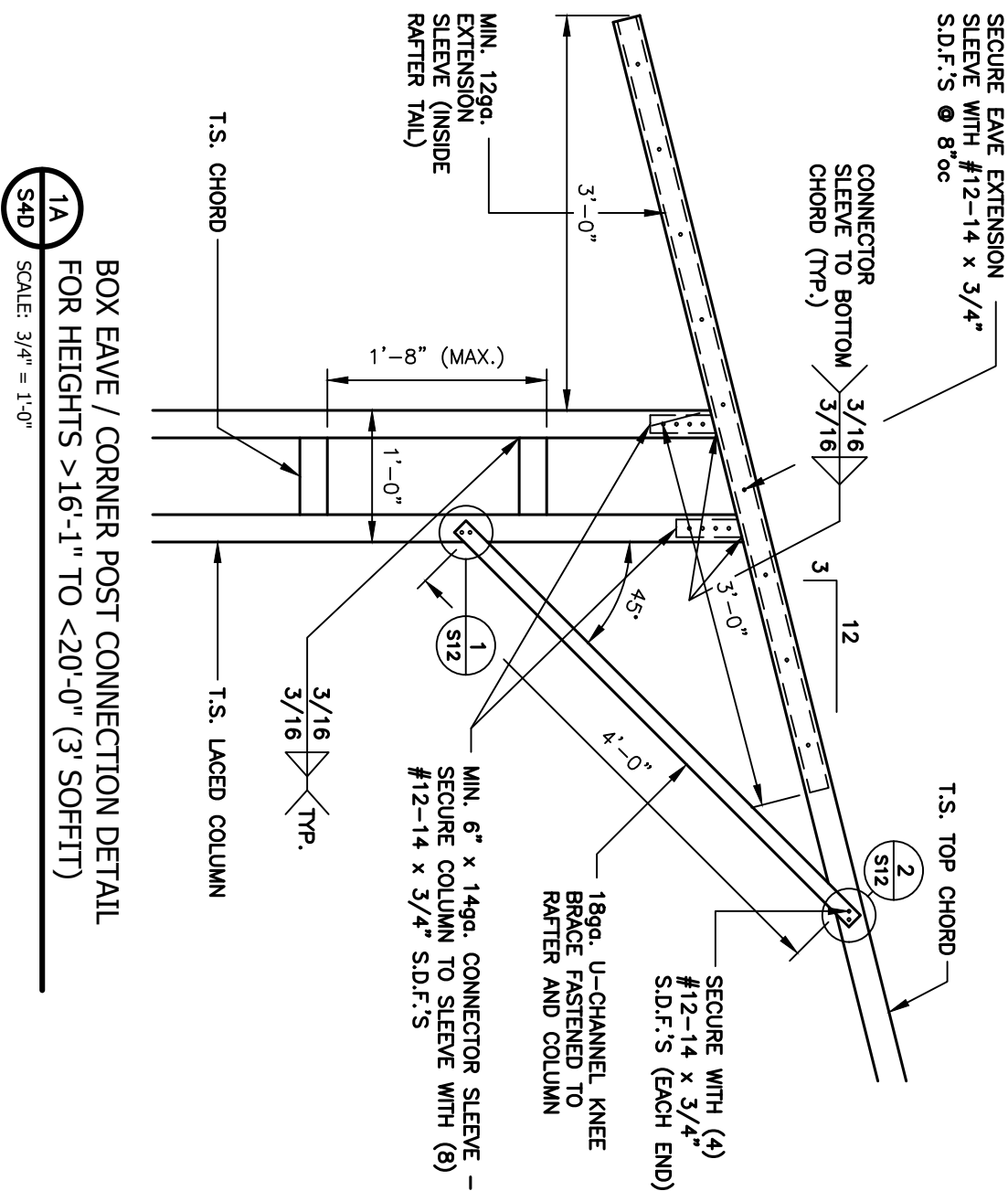
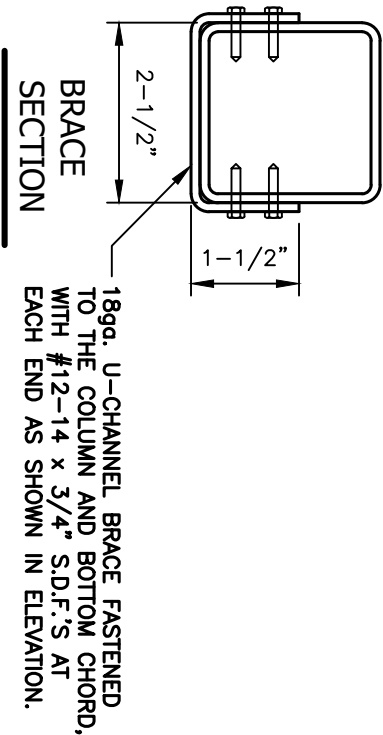
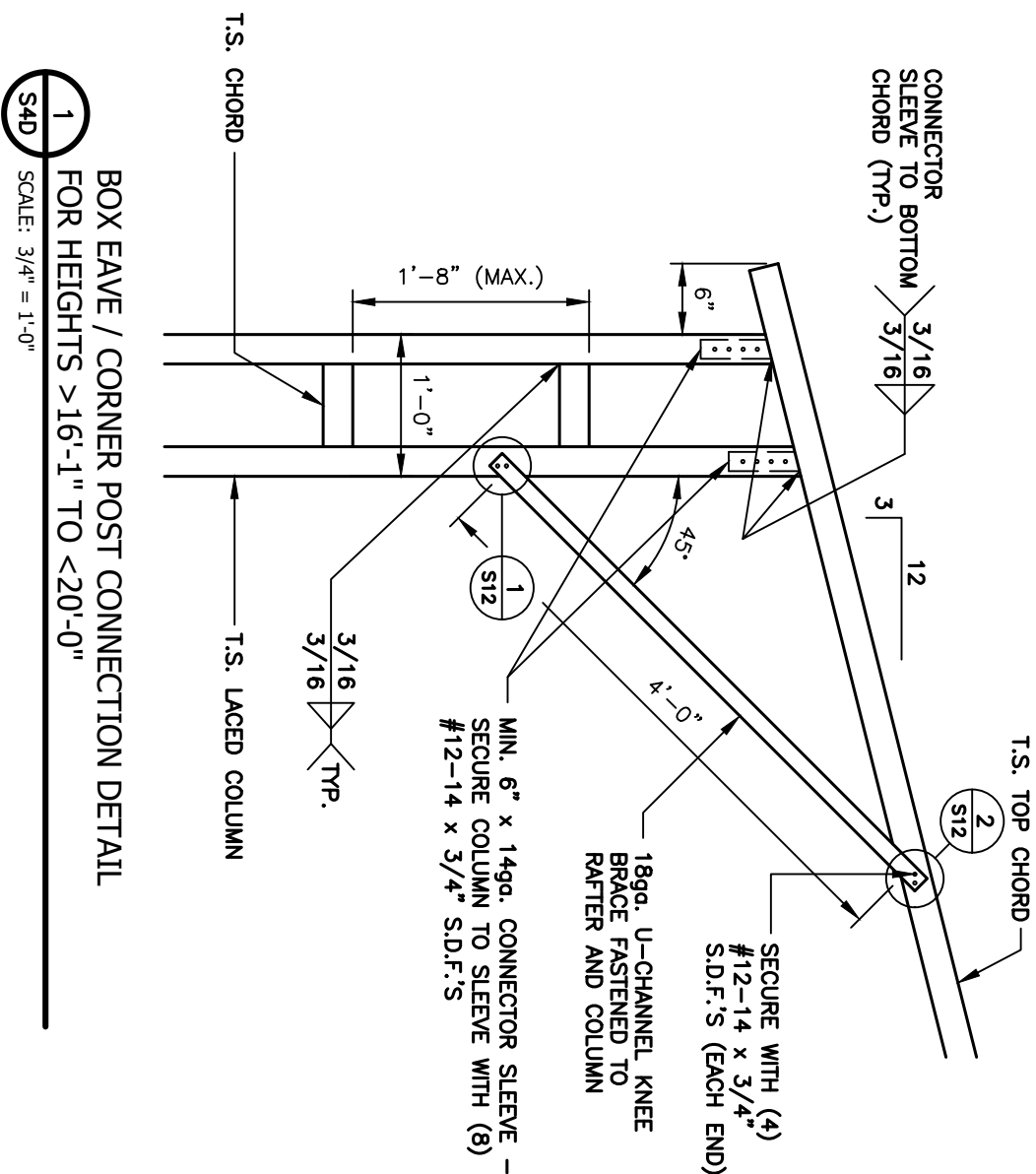


BRACE
SECTION

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

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW		Project No. 24-510
			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		Sheet No. S4C
Date: 06/24/24		Revisions: -			

LACED COLUMN OPTIONS



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



(PARTIAL) 0' - 30' WIDTH
20' EAVE HEIGHT
140 WIND ZONE
5 P.S.F. SNOW

Project No.
24-510

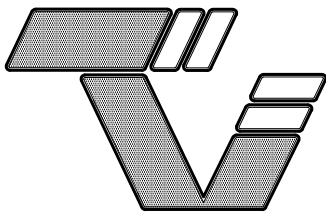
Sheet No.
S4D

JCMT Associates, PLLC

211 Stone Drive, Pilot Mountain, NC 27041
Telephone: (336) 399-6277

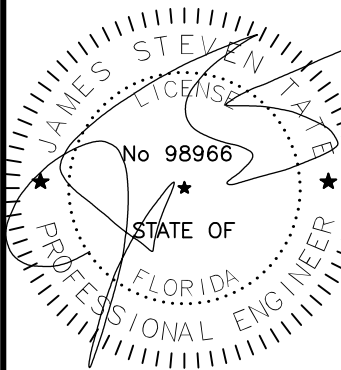
Date:
06/24/24

Revisions:



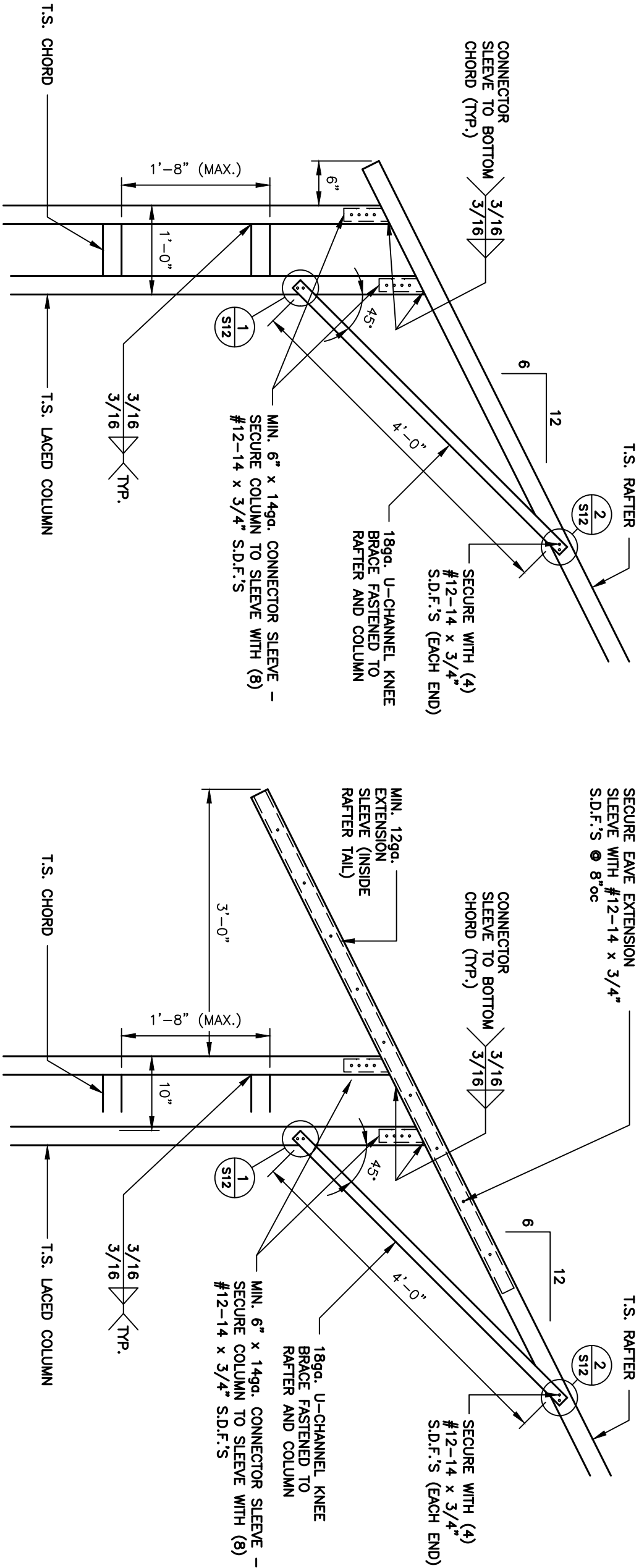
TAYLOR & VIOLA
STRUCTURAL ENGINEERS
P.O.B. 2616 HICKORY NORTH CAROLINA
TELE: 828-328-6331 FAX: 828-322-1801
WWW.TAYLORVIOLA.COM

**V1.0
(FLA.)**



6/24/24

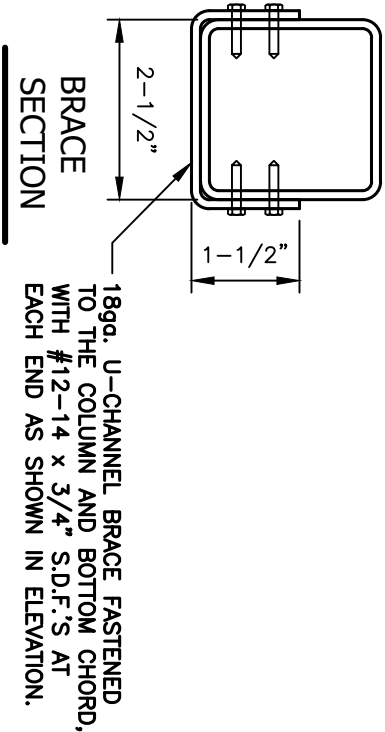
LACED COLUMN OPTIONS



1
S4E

BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS >16'-1" TO <20'-0" (6:12 PITCH)

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

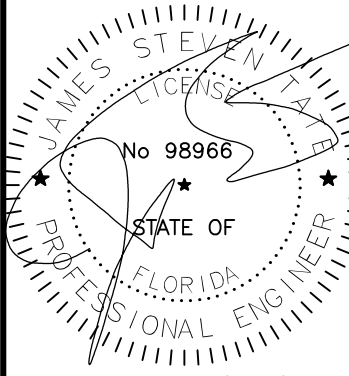
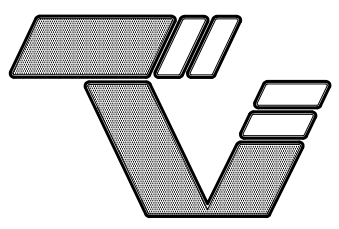


1A
S4E

BOX EAVE / CORNER POST CONNECTION DETAIL
FOR HEIGHTS >16'-1" TO <20'-0" (6:12 PITCH / 3' SOFFIT)

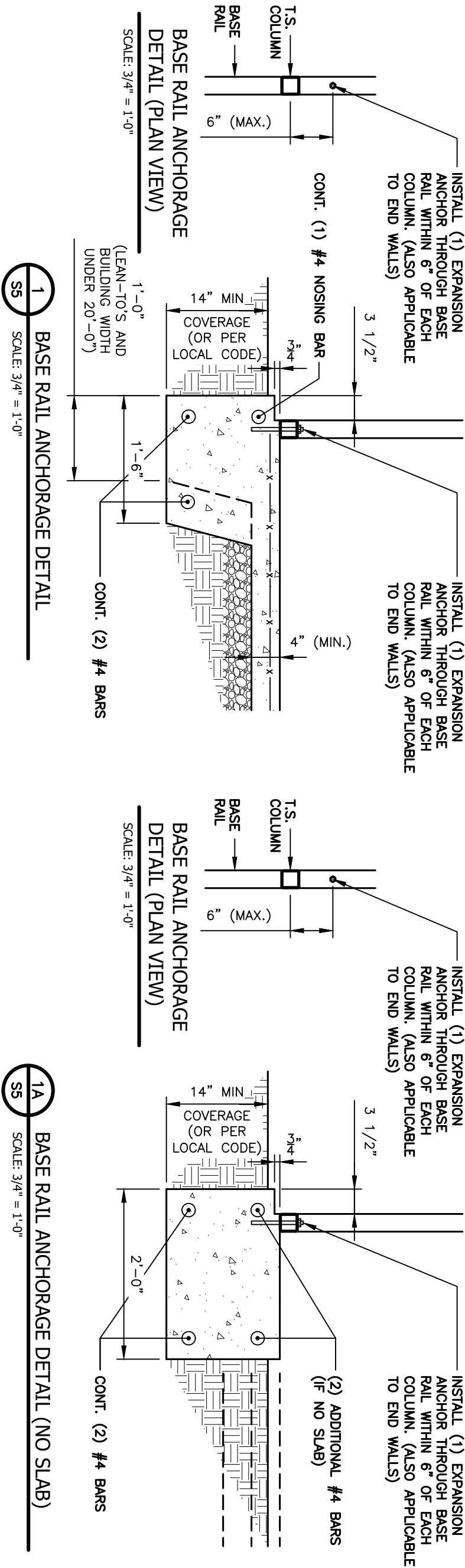
SCALE: 3/4" = 1'-0"

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

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -			Sheet No. S4E	

SINGLE COLUMN OPTIONS

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



GENERAL NOTES:

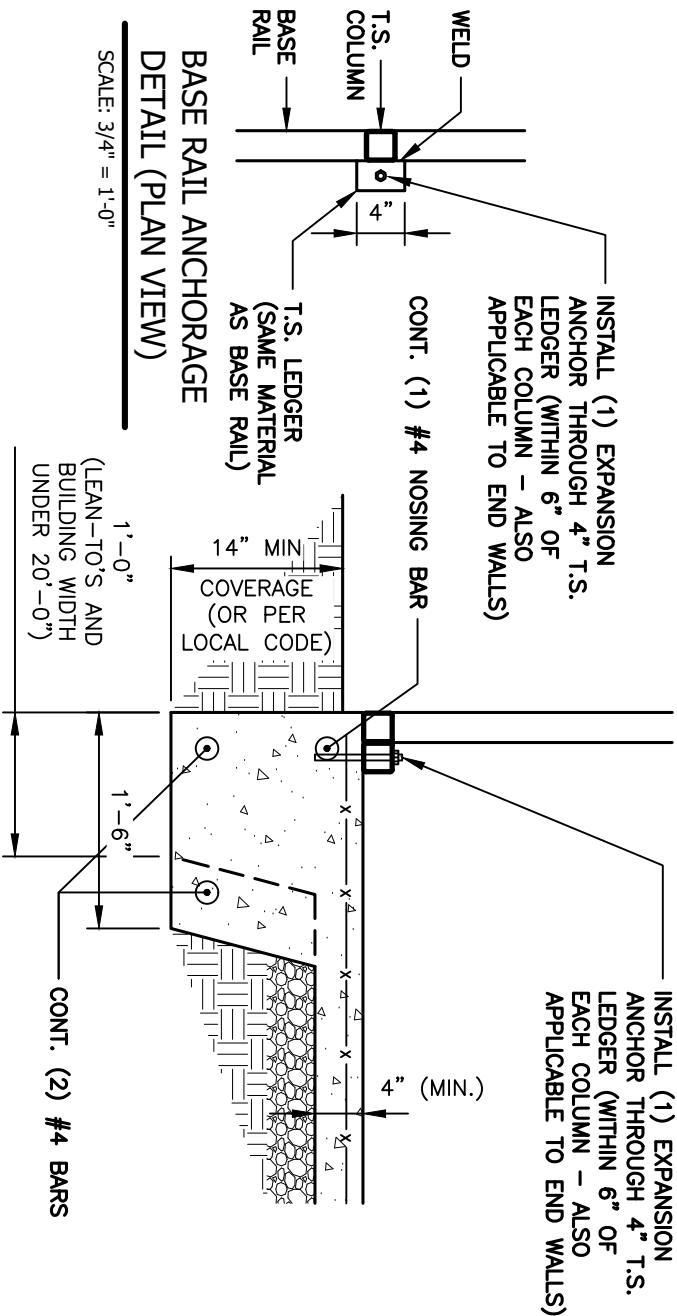
- ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 P.S.F.
- CONCRETE:
- CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.
- COVER OVER REINFORCING STEEL:
- FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE 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 MAY BE BENT IN THE SHOP OR IN 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.

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

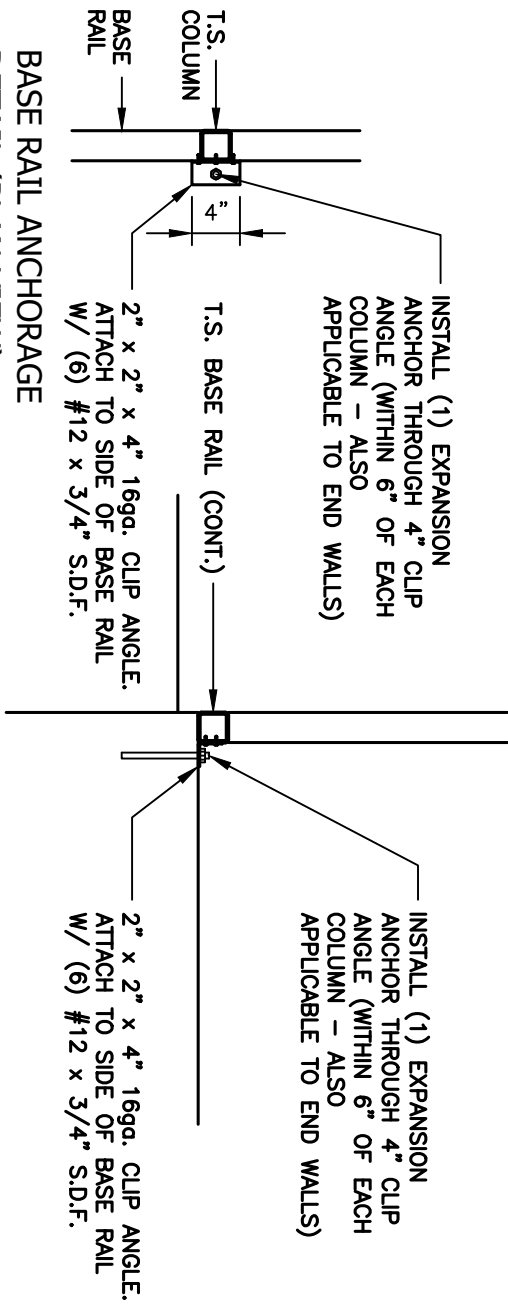
	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
				Sheet No. S5
JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		Date: 06/24/24		
Revisions: -				

SINGLE COLUMN OPTIONS - NO SIDING LEDGE

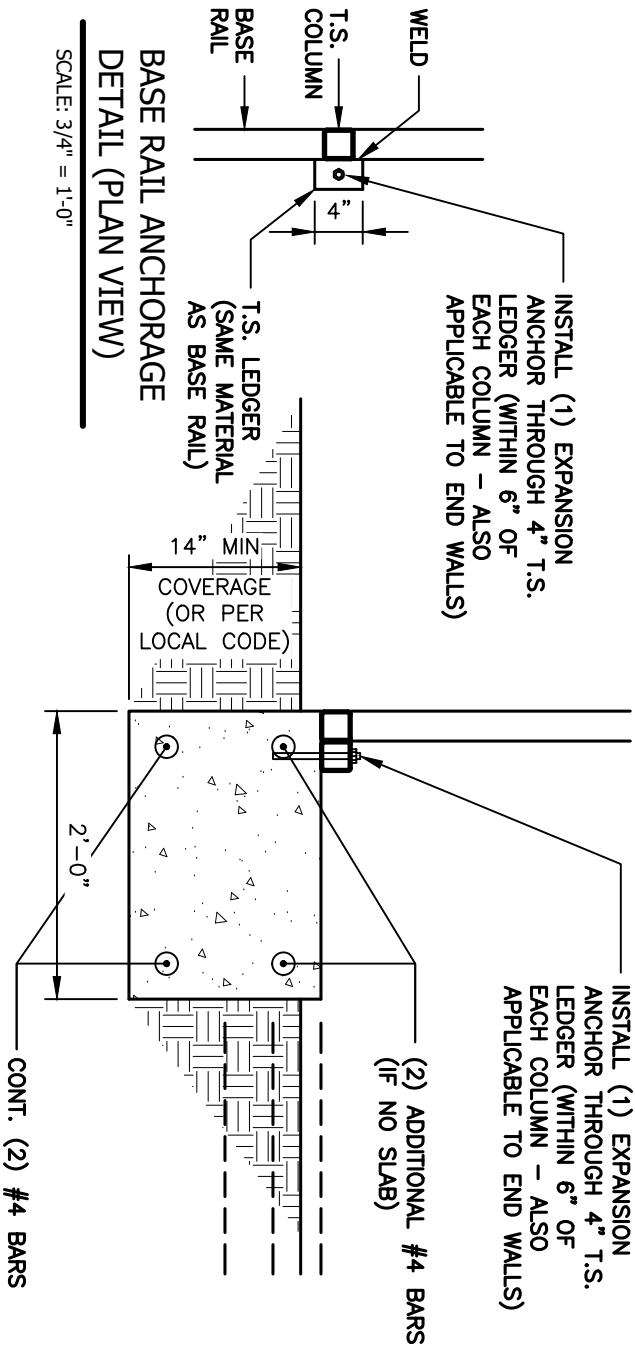
ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



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



2 (ALTERNATE) BASE RAIL ANCHORAGE DETAIL
SCALE: 3/4" = 1'-0"



1A BASE RAIL ANCHORAGE DETAIL (NO SLAB)
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 MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:

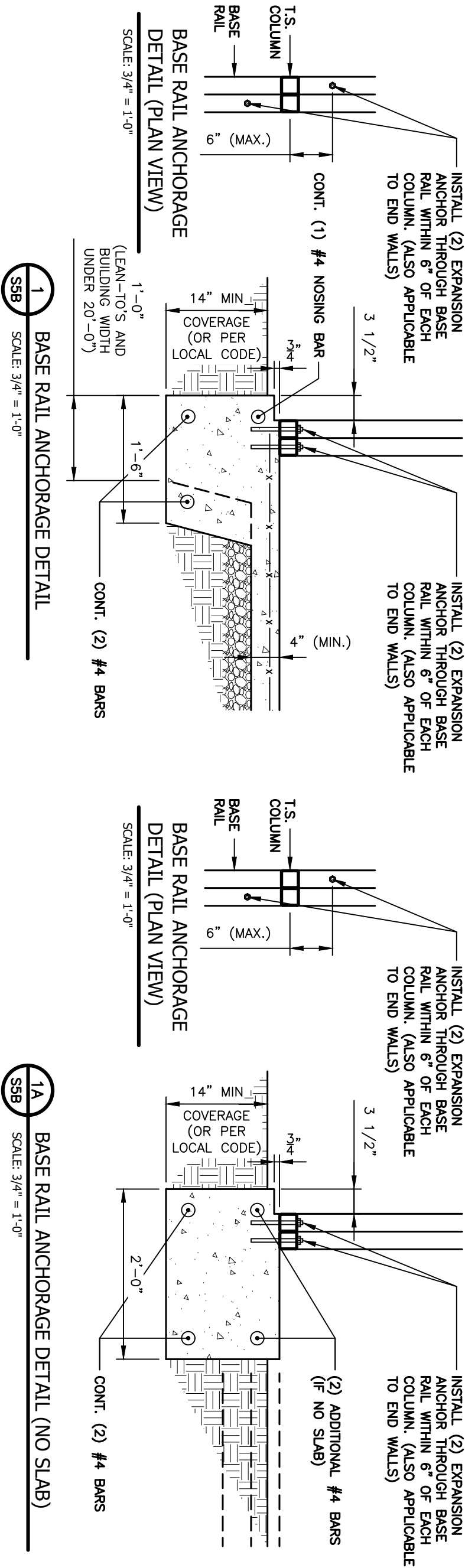
1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

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

			(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW
Date: 06/24/24		JCMT Associates, PLLC	
Revisions: -		211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Project No. 24-510		Sheet No. S5A	

DOUBLE COLUMN OPTIONS

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



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 MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:

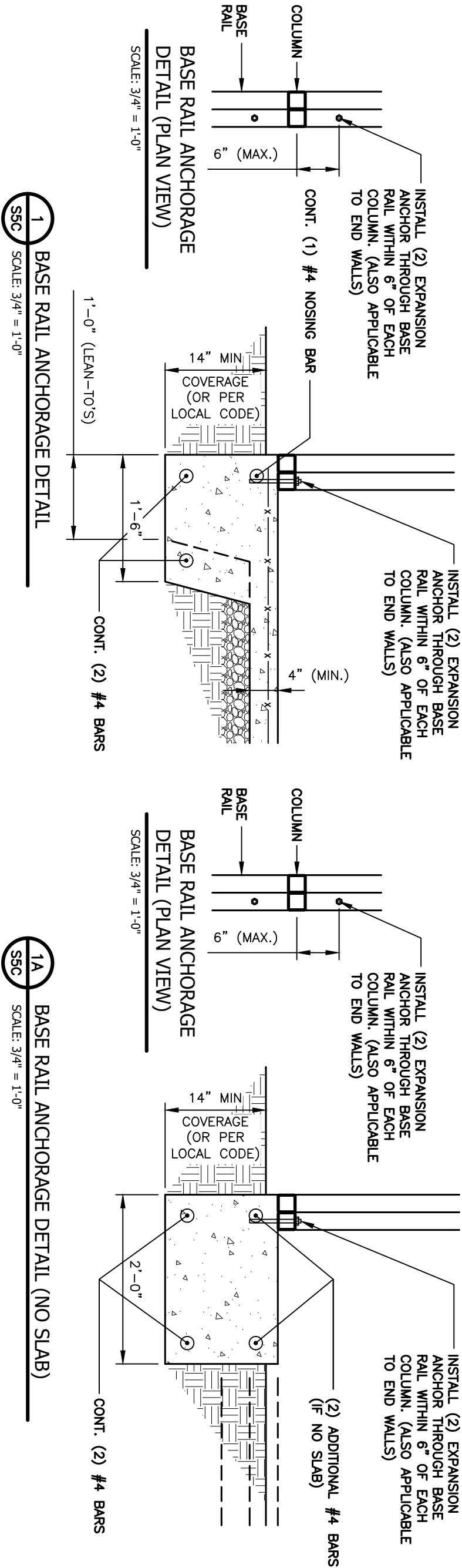
1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

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

			(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
Date: 06/24/24		JCMT Associates, PLLC		Project No. 24-510
Revisions: -		211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		Sheet No. S5B

DOUBLE COLUMN OPTIONS - NO SIDING LEDGE

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



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.

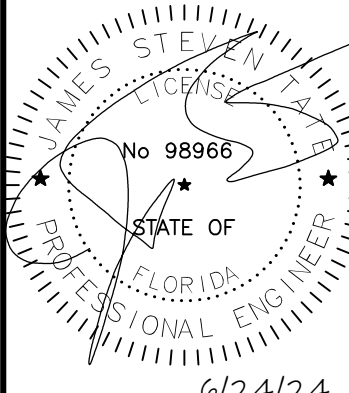
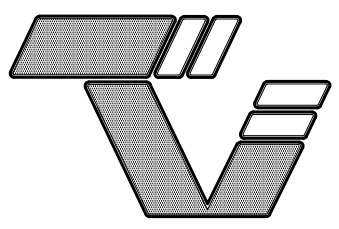
REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:

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.

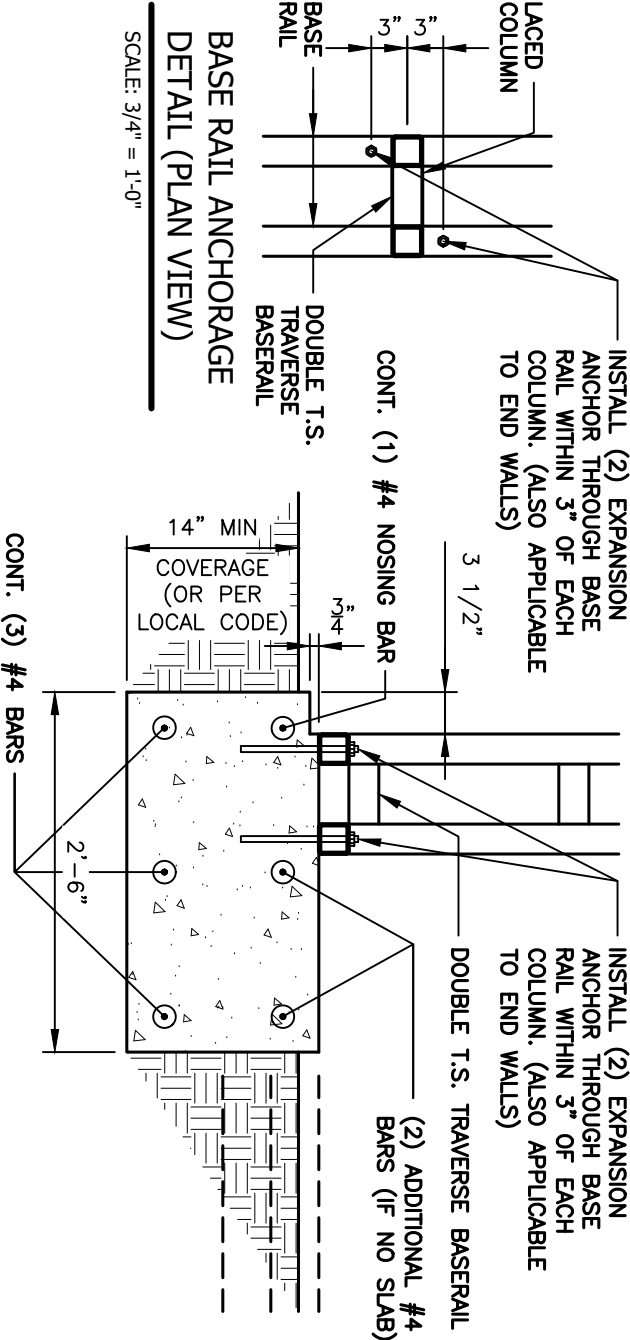
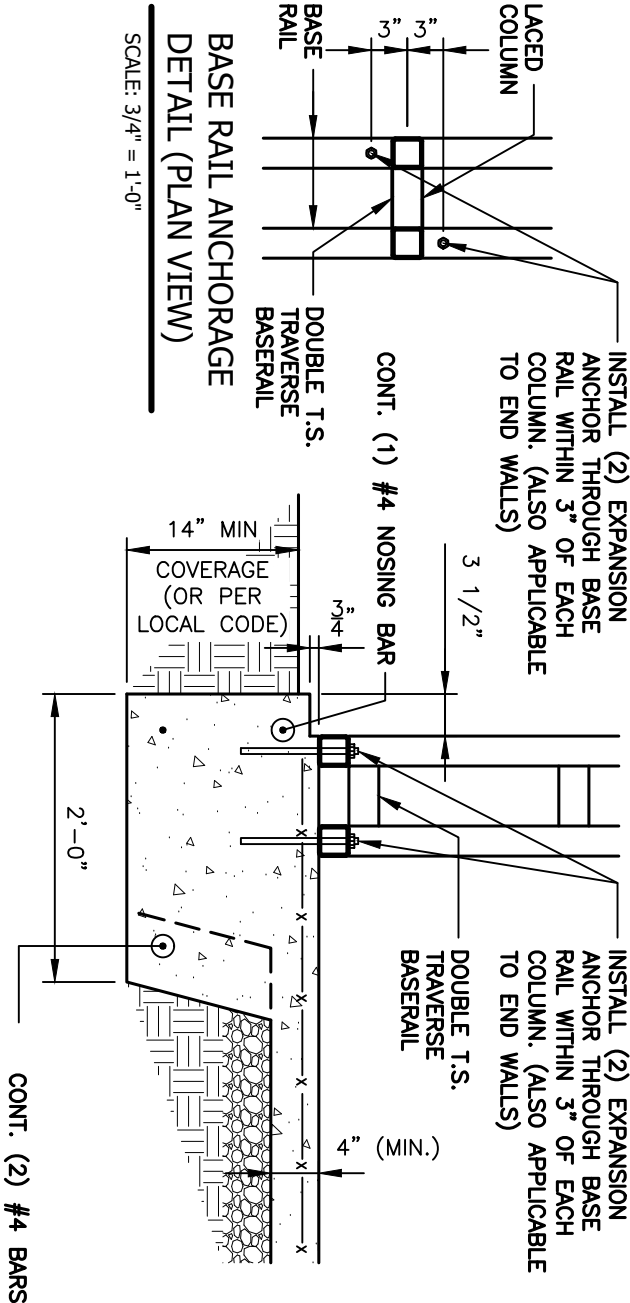
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

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

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
				Sheet No. S5C
Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		
Revisions: -				

LACED COLUMN OPTIONS

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



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

1A BASE RAIL ANCHORAGE DETAIL (NO SLAB)
SSD 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.

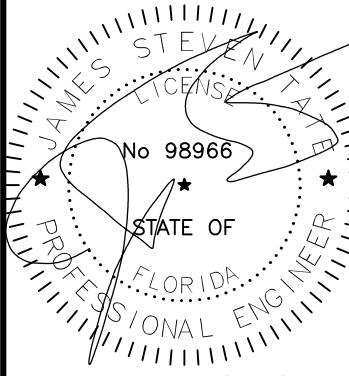
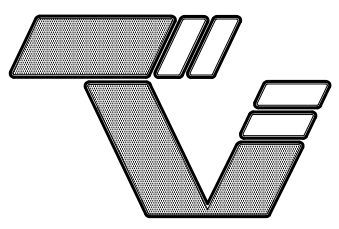
REINFORCING STEEL:

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REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:

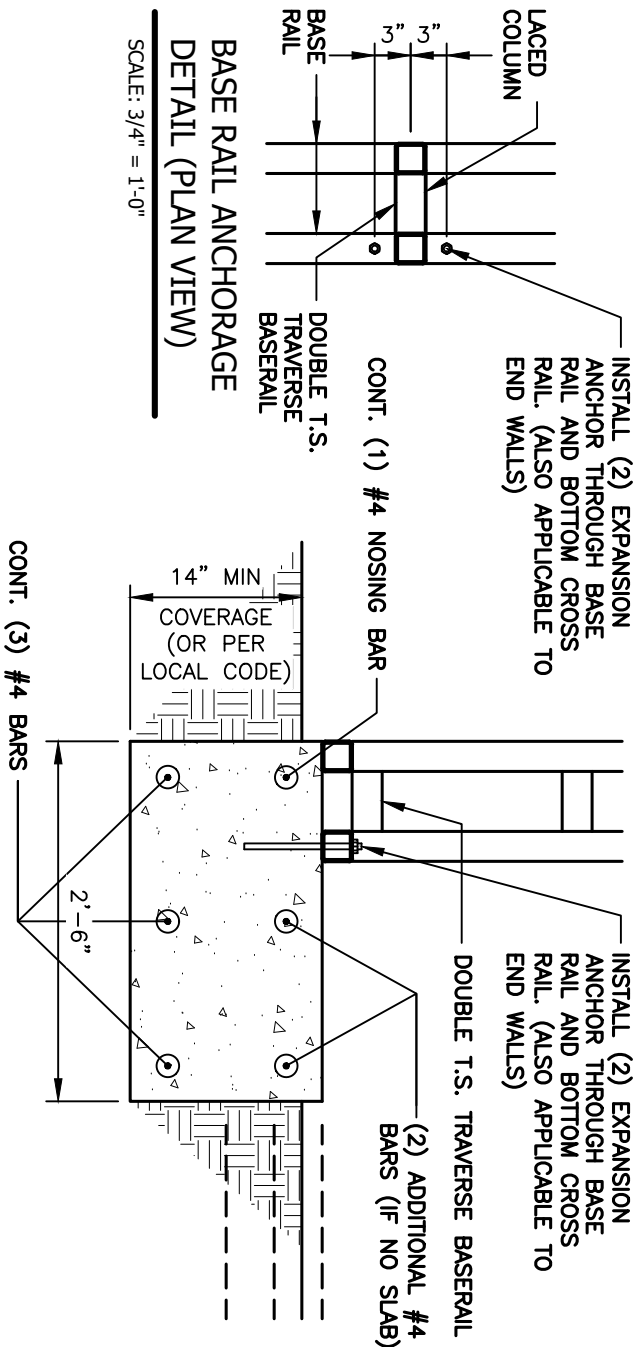
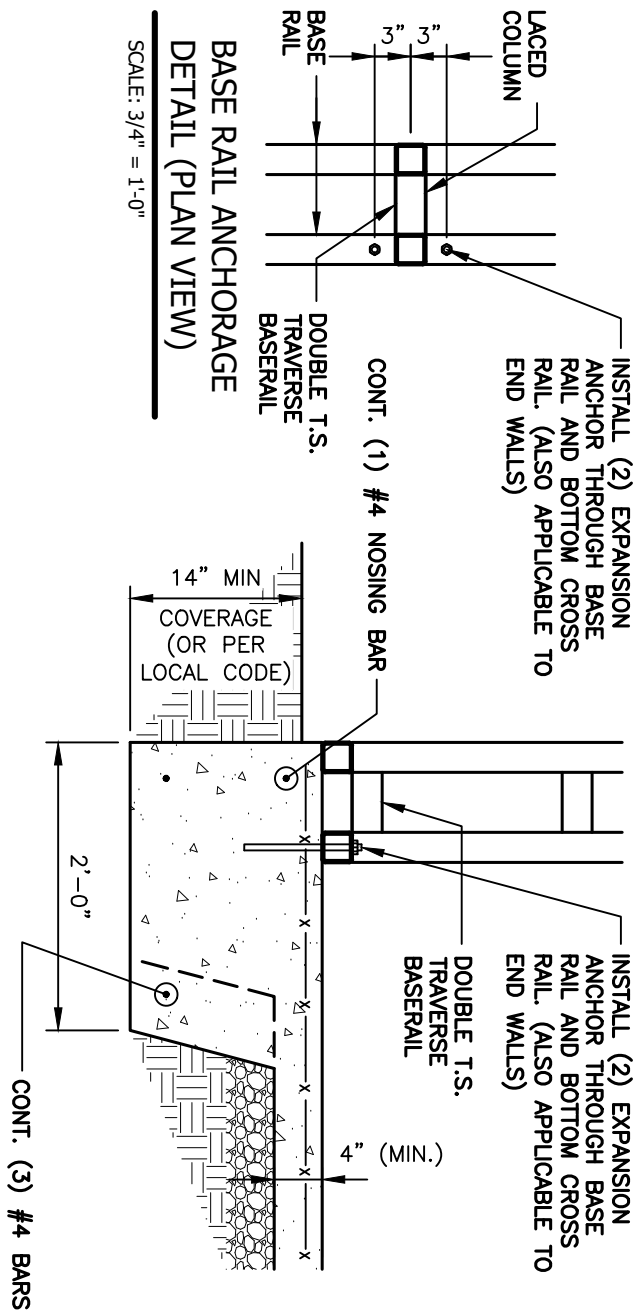
1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

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

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW		Project No. 24-510
			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		Sheet No. S5D
Date: 06/24/24		Revisions: -			

LACED COLUMN OPTIONS (NO SIDING LEDGE)

ANCHORAGE BOLT SCHEDULE	
WIND SPEED	BOLT SIZE
UP TO 110 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 120 M.P.H.	1/2" x 6-1/2" EXPANSION ANCHOR
UP TO 130 M.P.H.	1/2" x 9" EXPANSION ANCHOR
UP TO 140 M.P.H.	1/2" x 9" EXPANSION ANCHOR



BASE RAIL ANCHORAGE DETAIL

BASE RAIL ANCHORAGE DETAIL (NO SLAB)

GENERAL NOTES:

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

CONCRETE:

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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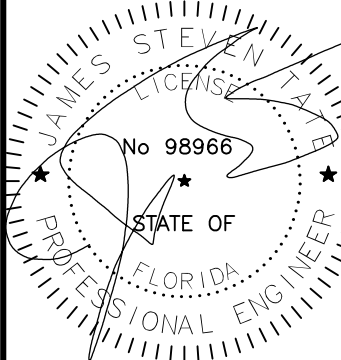
(PARTIAL) 0' - 30' WIDTH
20' EAVE HEIGHT
140 WIND ZONE
5 P.S.F. SNOW

JCMT Associates, PLLC

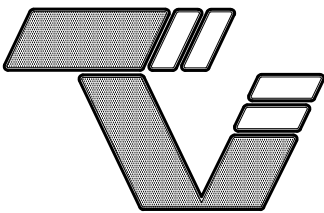
211 Stone Drive, Pilot Mountain, NC 27041
Telephone: (336) 399-6277

Project No.
24-510

Sheet No.
S5E



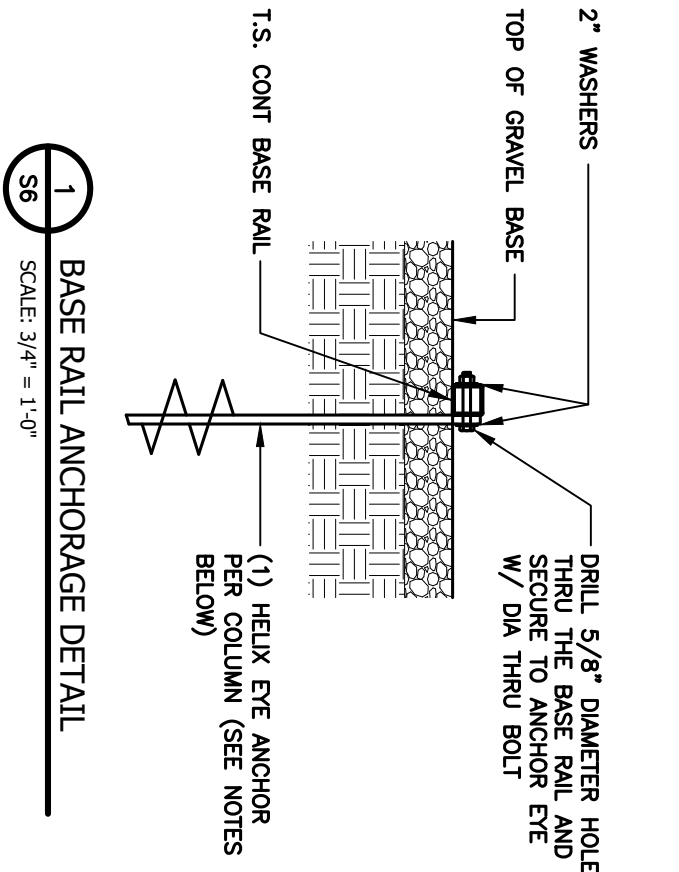
6/24/24



TAYLOR & VIOLA
STRUCTURAL ENGINEERS
P.O.B. 2616 HICKORY NORTH CAROLINA
TELE: 828-328-6331 FAX: 828-322-1801
WWW.TAYLORVIOLA.COM

**V1.0
(FLA.)**

ALTERNATE ANCHORAGE OPTIONS



HELIX EMBEDMENT INFORMATION:

FOR VERY DENSE OR CEMENTED SANDS, COARSE GRAVEL, COBBLES, CALCHE, 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 25'-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 25'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

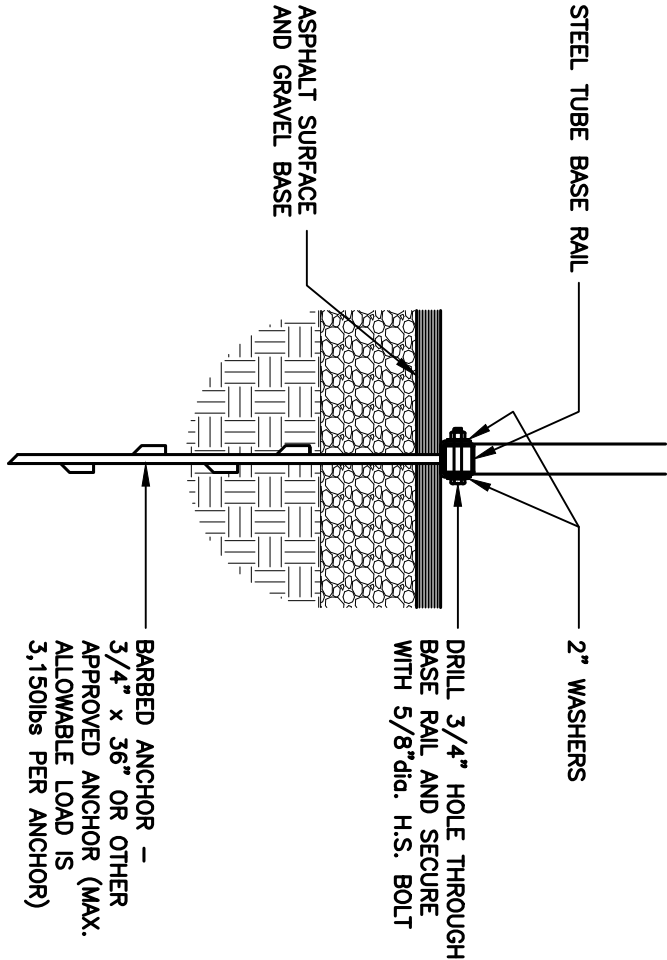
FOR MED DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILTS, AND CLAYS, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT – ONE EACH END BASE RAIL AND 25'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

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 25'-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 25'-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.



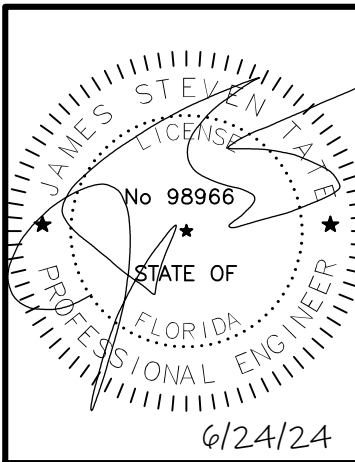
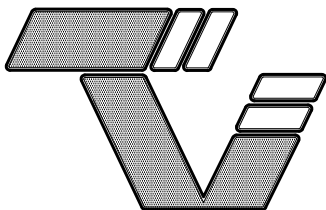
S6

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

NOTE:

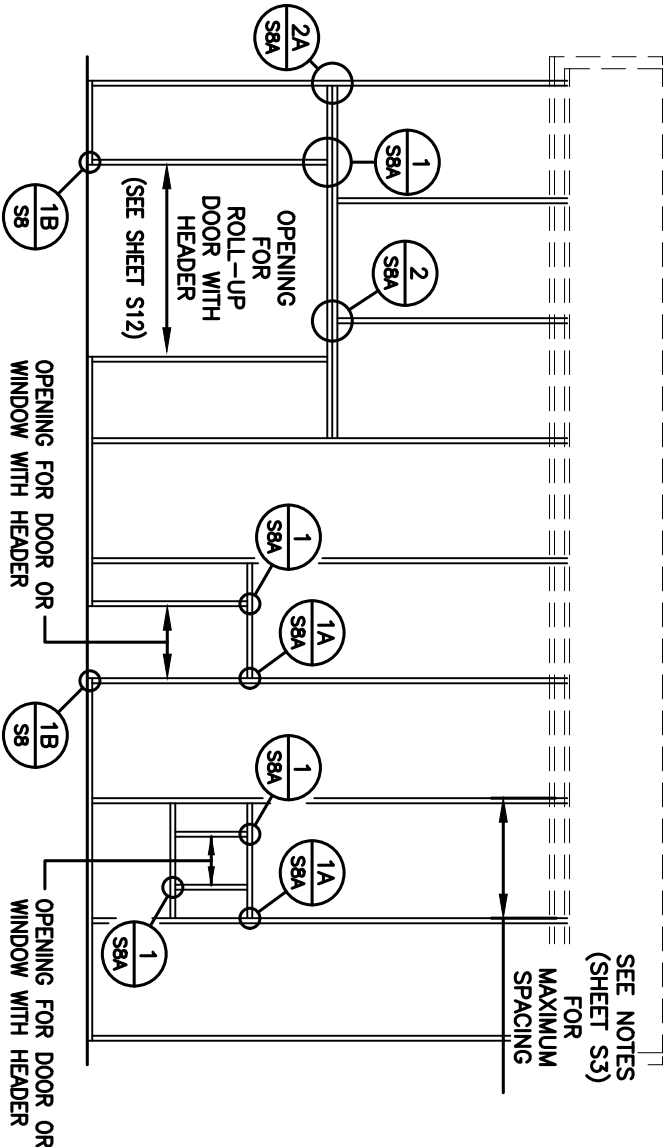
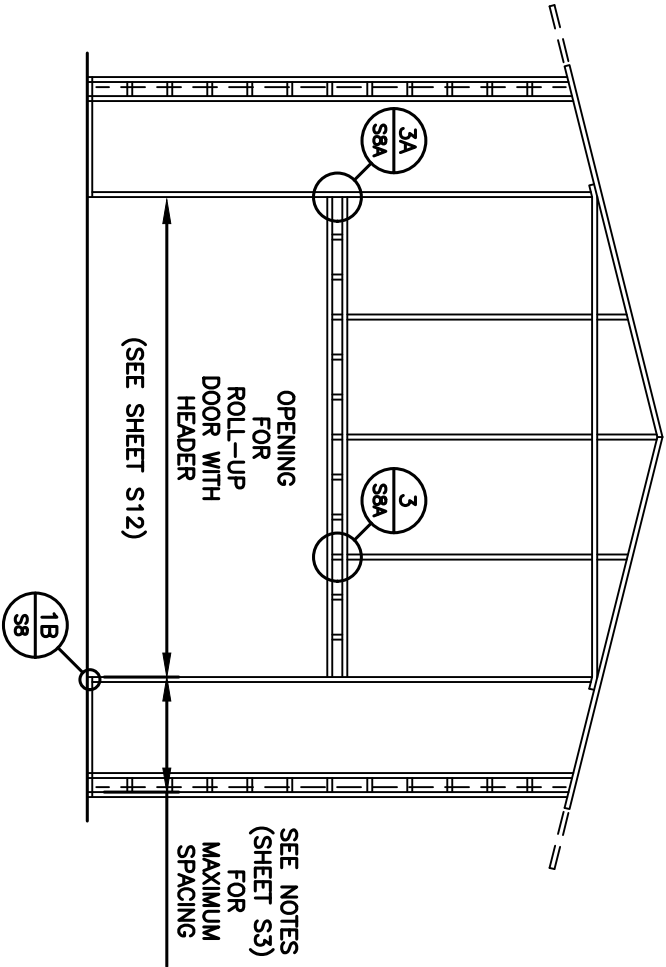
IN ALL CASES, IF FROST DEPTH EXCEEDS STATED DEPTH, ANCHOR SHOULD EXTEND A MIN. OF 12" BELOW FROST LINE.

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Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277			Project No. 24-510
Revisions: -					Sheet No. S6

TYPICAL SIDE / END WALL OPENING FRAMING SECTIONS

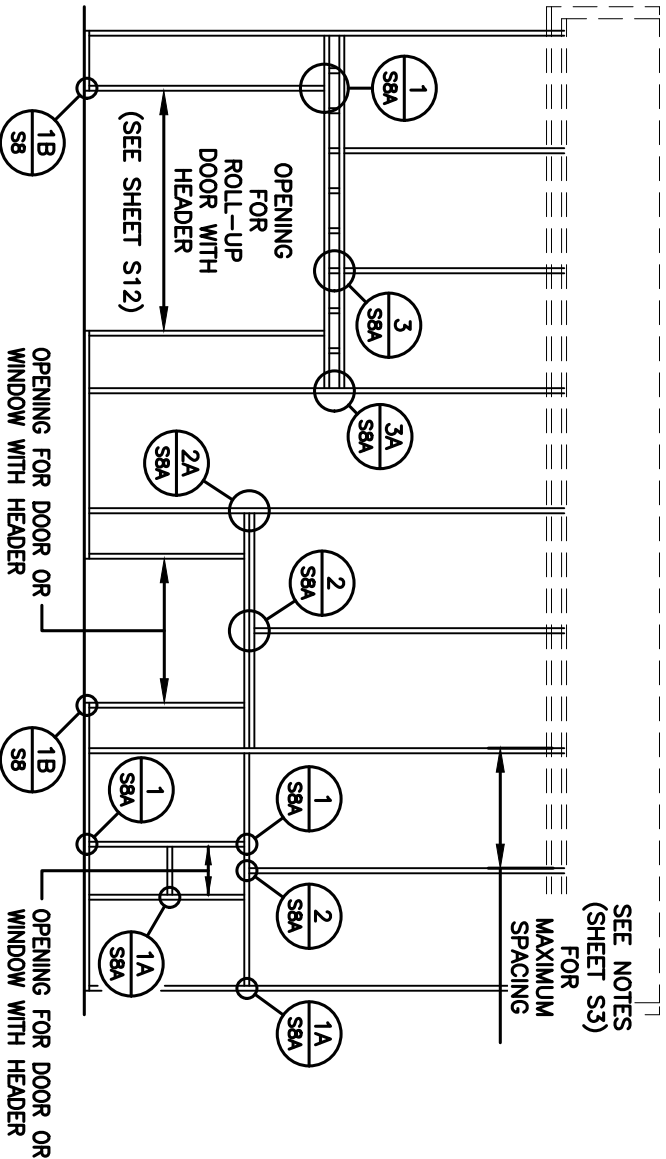
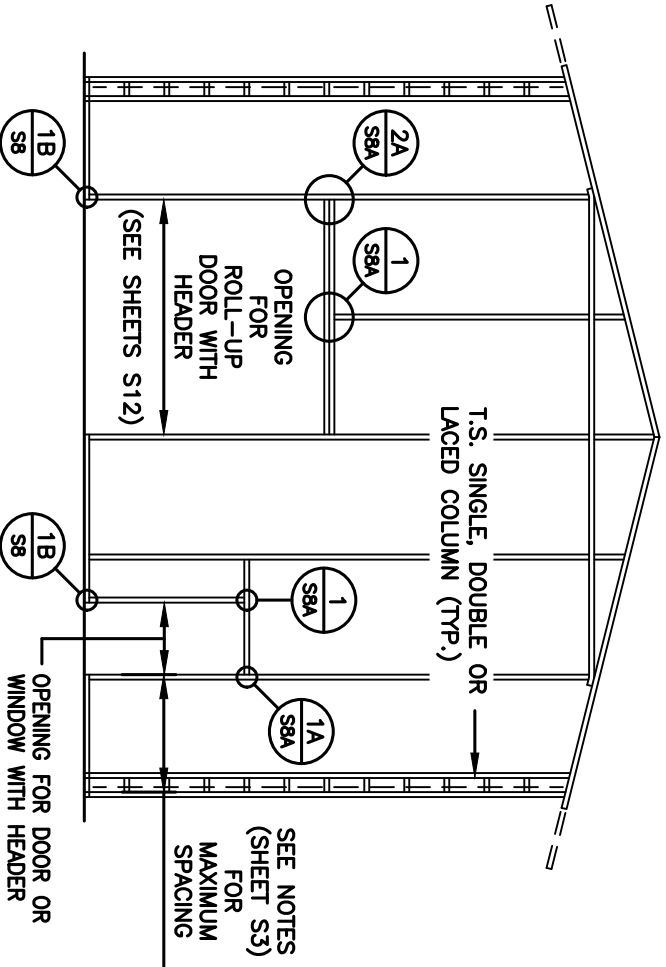
NOTE:
ROLL UP DOORS SHALL HAVE ONE JAMB
EACH SIDE + ONE FRAME COLUMN BETWEEN
OR SITE SPECIFIC SHALL BE REQ'D.



TYPICAL END WALL FRAMING SECTION

TYPICAL SIDE WALL OPENING FRAMING SECTION

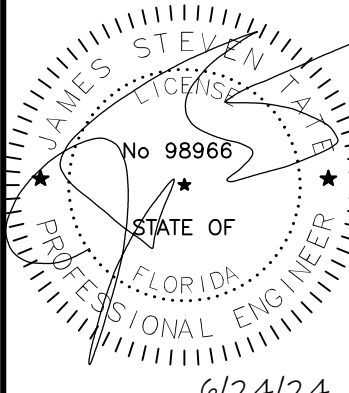
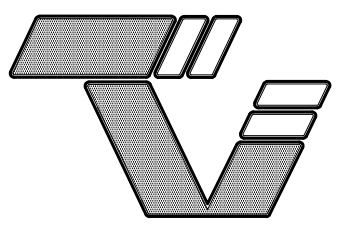
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EACH SIDE + ONE FRAME COLUMN BETWEEN
OR SITE SPECIFIC SHALL BE REQ'D.



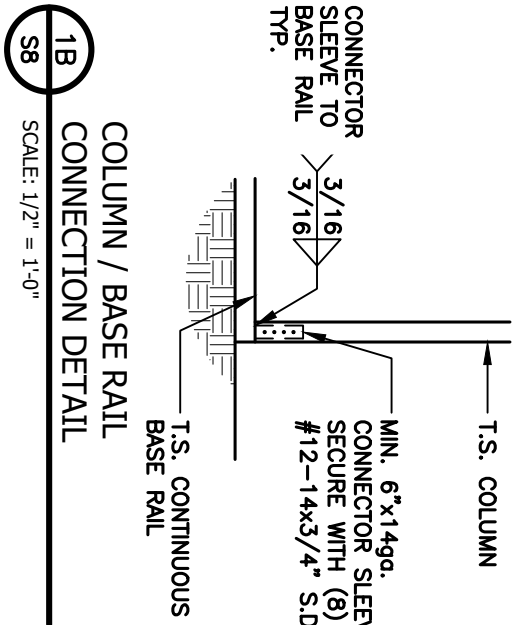
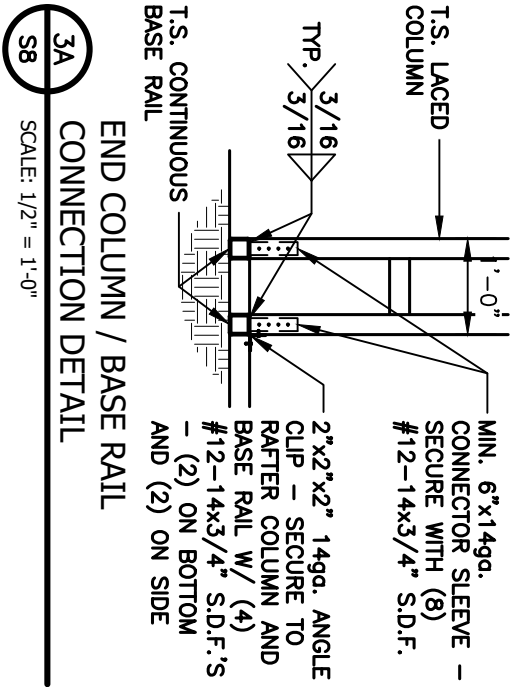
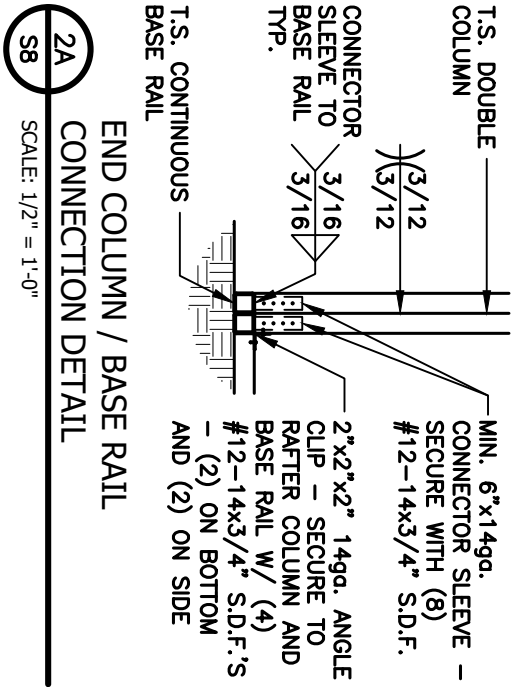
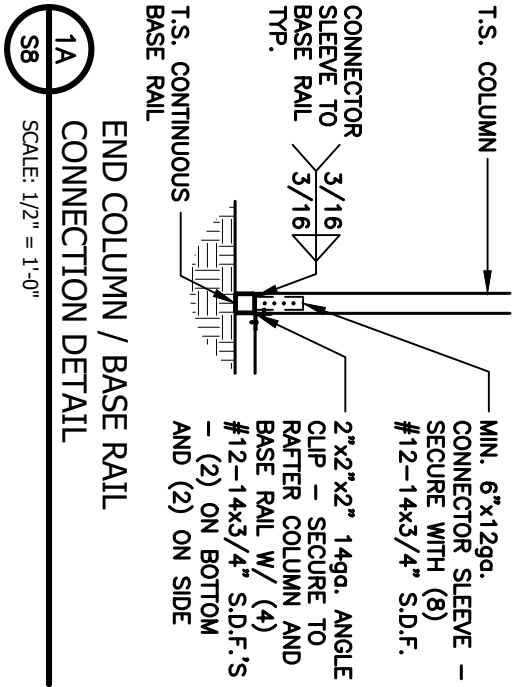
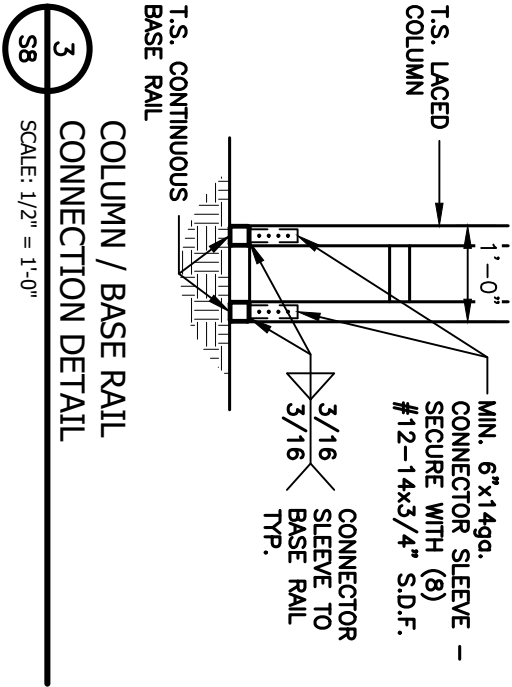
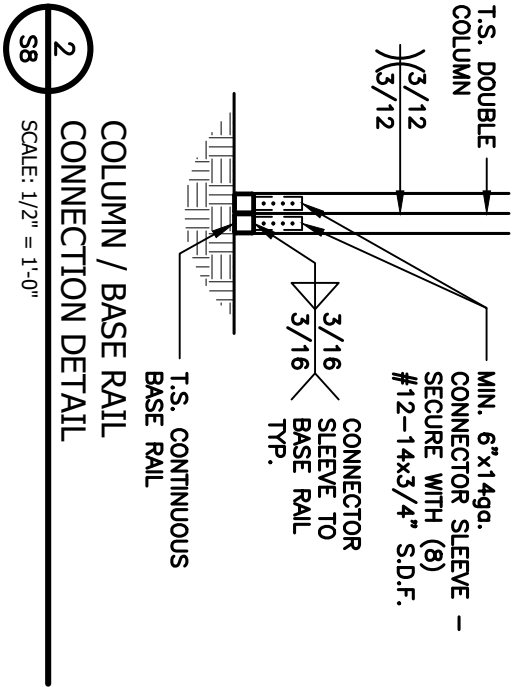
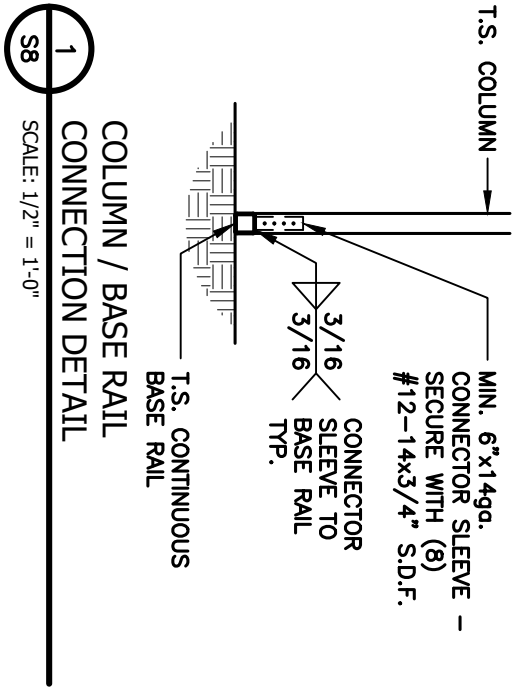
TYPICAL END WALL FRAMING SECTION

TYPICAL SIDE WALL OPENING FRAMING SECTION

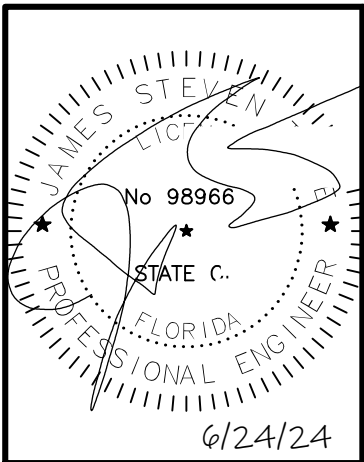
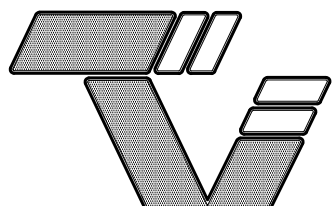
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			JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		
Revisions: -		Sheet No. S7		

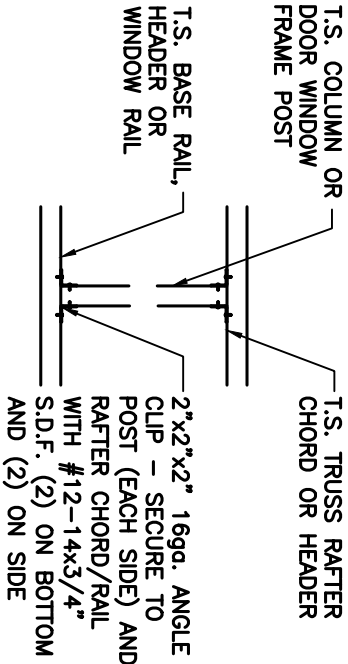
BASE RAIL CONNECTION DETAILS



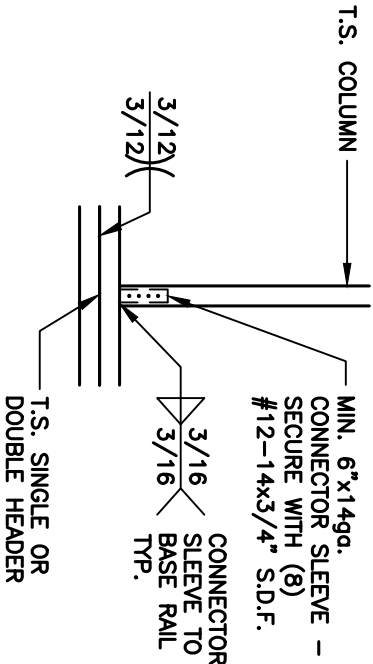
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Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277			Project No. 24-510
Revisions: -					Sheet No. S8

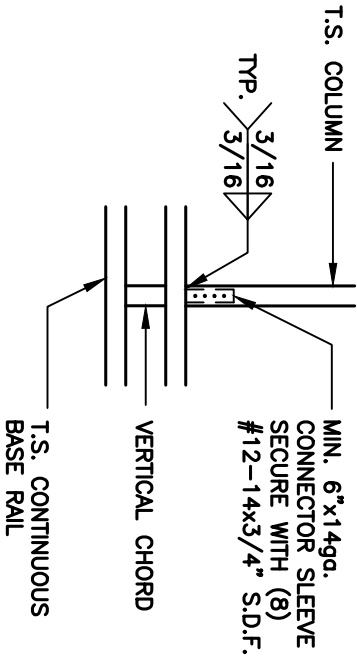
CONNECTION DETAILS



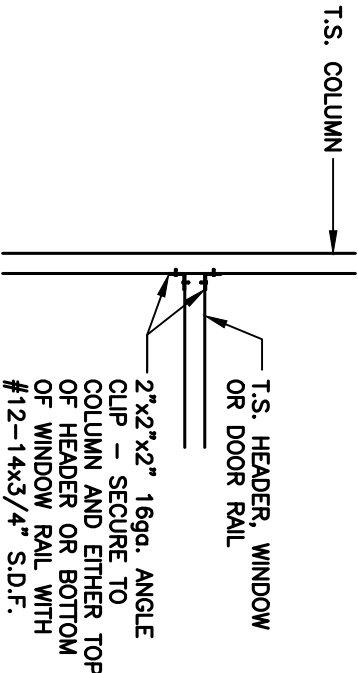
1
SBA
POST TO TRUSS / HEADER
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



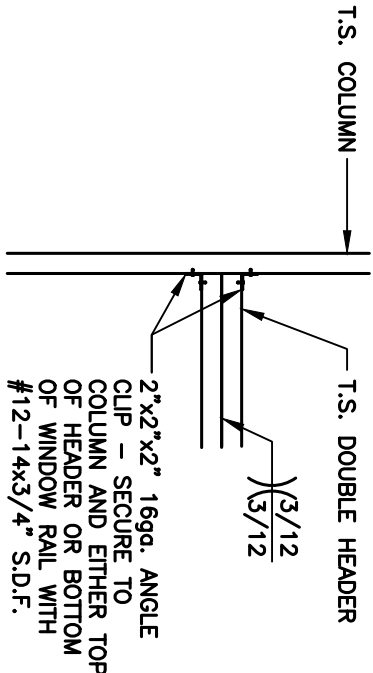
2
SBA
POST TO DOUBLE HEADER
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



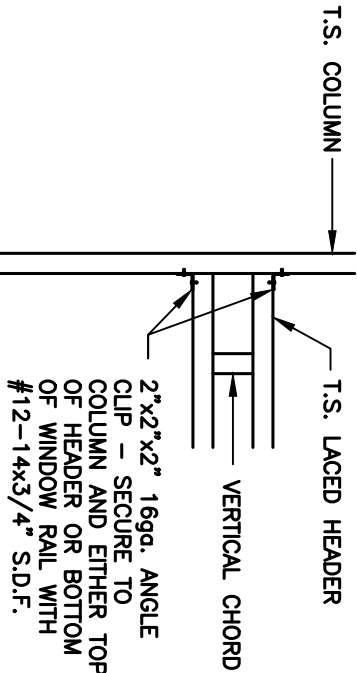
3
SBA
POST TO LACED HEADER
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



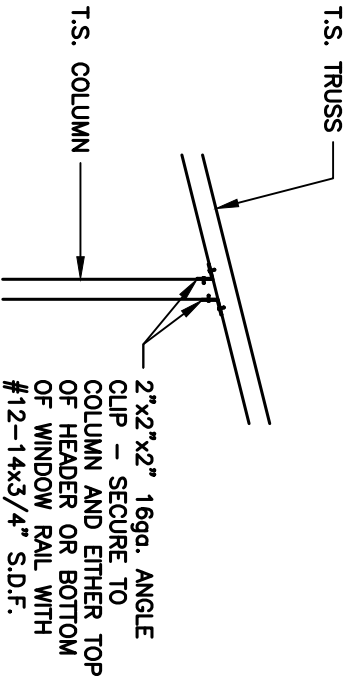
1A
SBA
HEADER RAIL TO POST
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



2A
SBA
DOUBLE HEADER TO POST
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

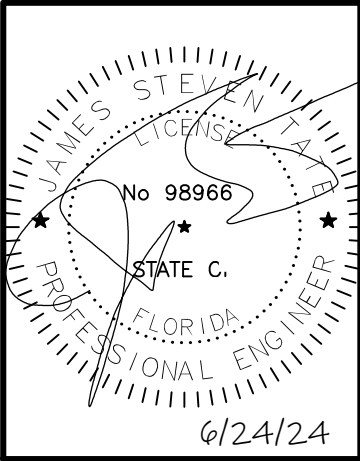
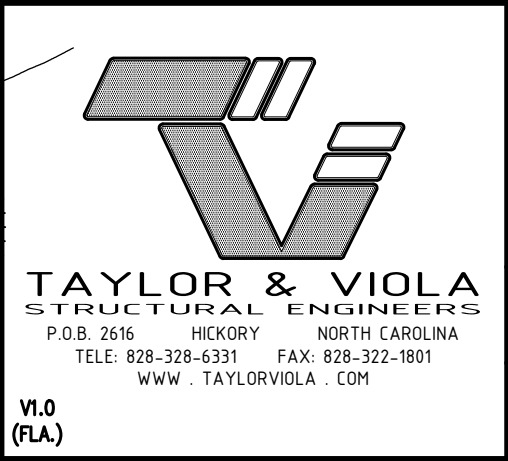


3A
SBA
LACED HEADER TO POST
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

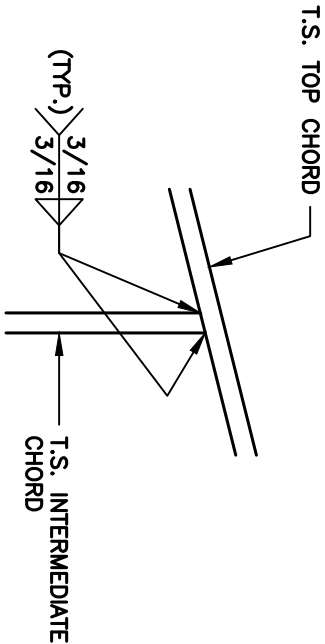


1B
SBA
POST TO TRUSS
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

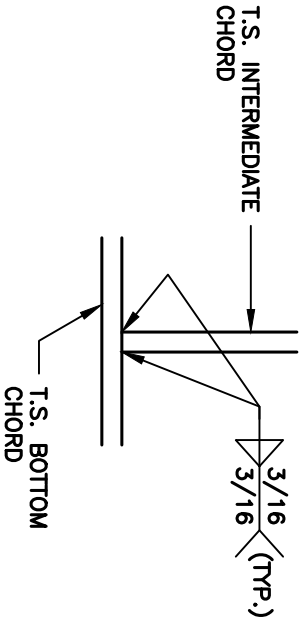
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			(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
			Project No. 24-510	
Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		Sheet No. S8A
Revisions: -				

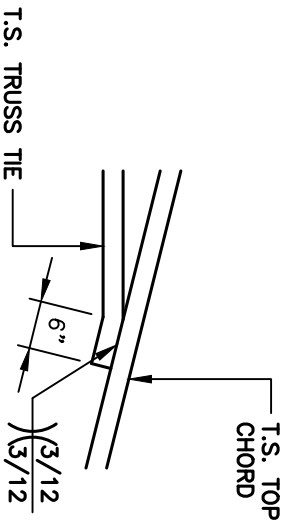
TRUSS CONNECTION DETAILS



1
S8B
INTERMEDIATE CHORD / TOP
CHORD CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

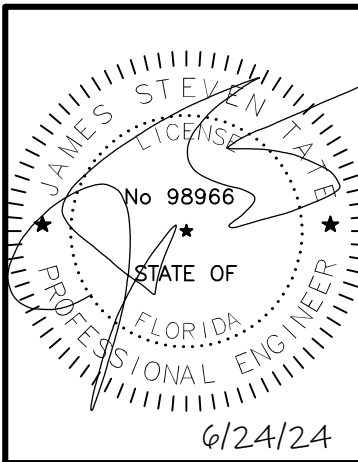
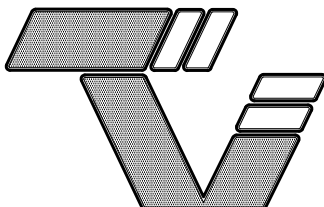


2
S8B
INTERMEDIATE CHORD / BOTTOM
CHORD CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

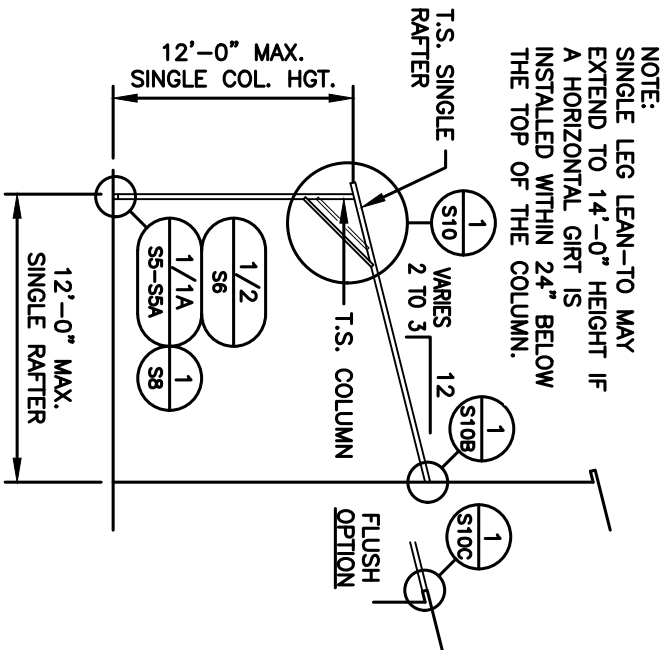


3
S8B
TRUSS TIE / TOP CHORD
CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

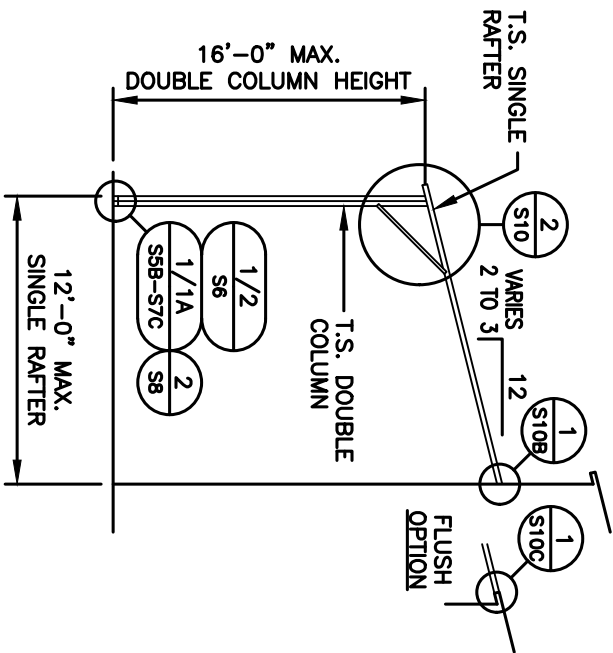
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						Sheet No. S8B				
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Revisions: -										

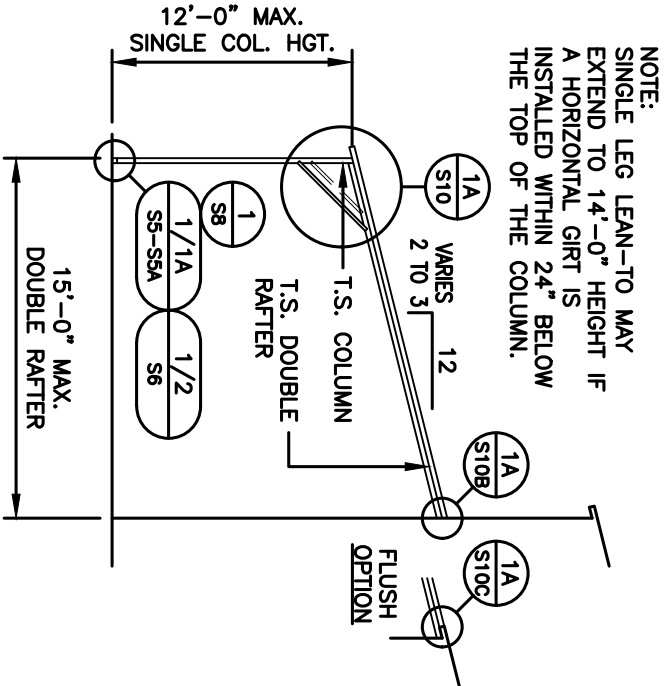
LEAN-TO FRAMING OPTIONS



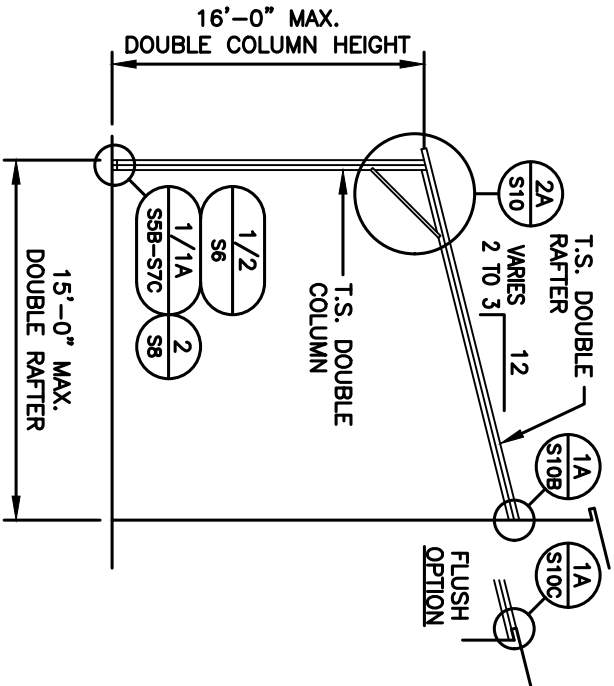
SINGLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION



SINGLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION

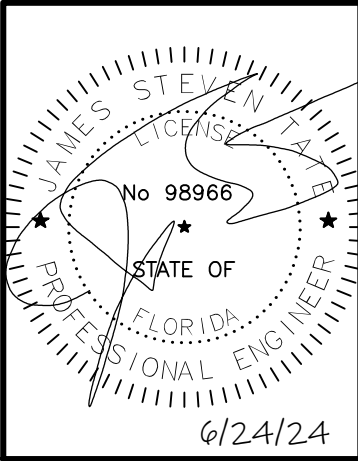


DOUBLE RAFTER / SINGLE COLUMN
LEAN-TO FRAMING SECTION



DOUBLE RAFTER / DOUBLE COLUMN
LEAN-TO FRAMING SECTION

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TAYLOR & VIOLA
STRUCTURAL ENGINEERS
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WWW . TAYLORVIOLA . COM

VI.0
(FLA.)

Date:	06/24/24
Revisions:	-

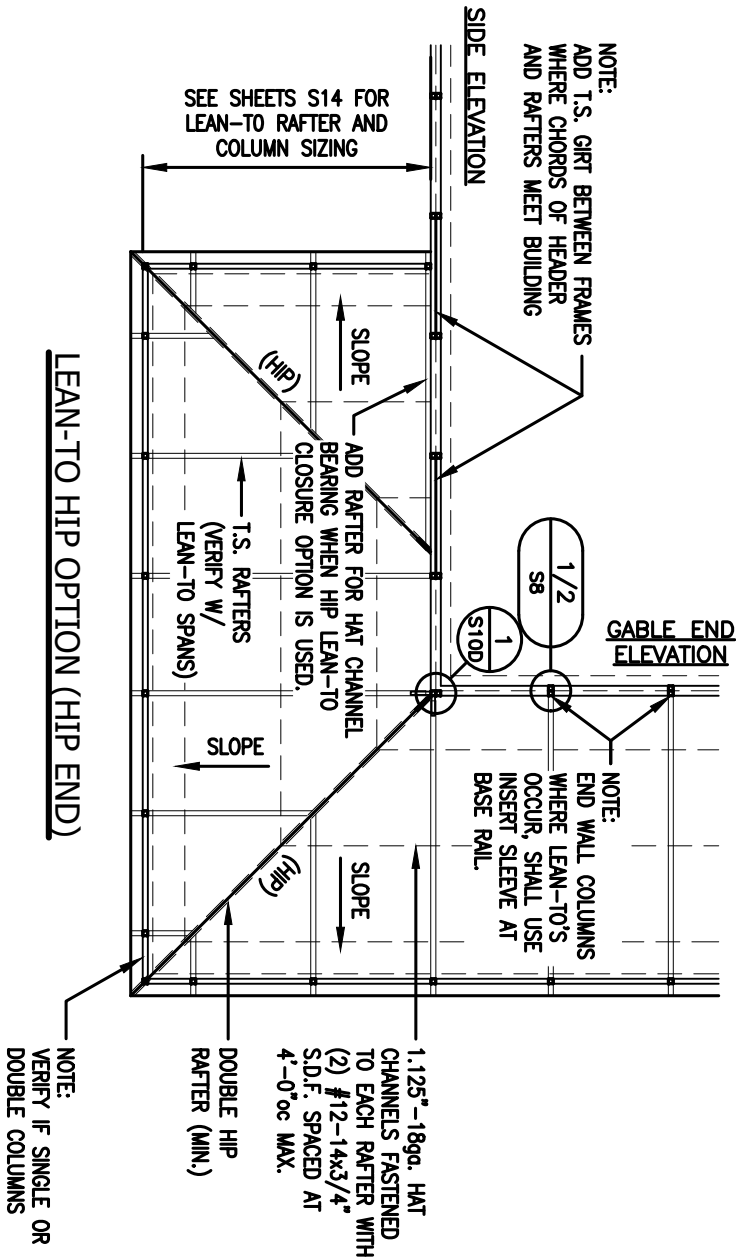
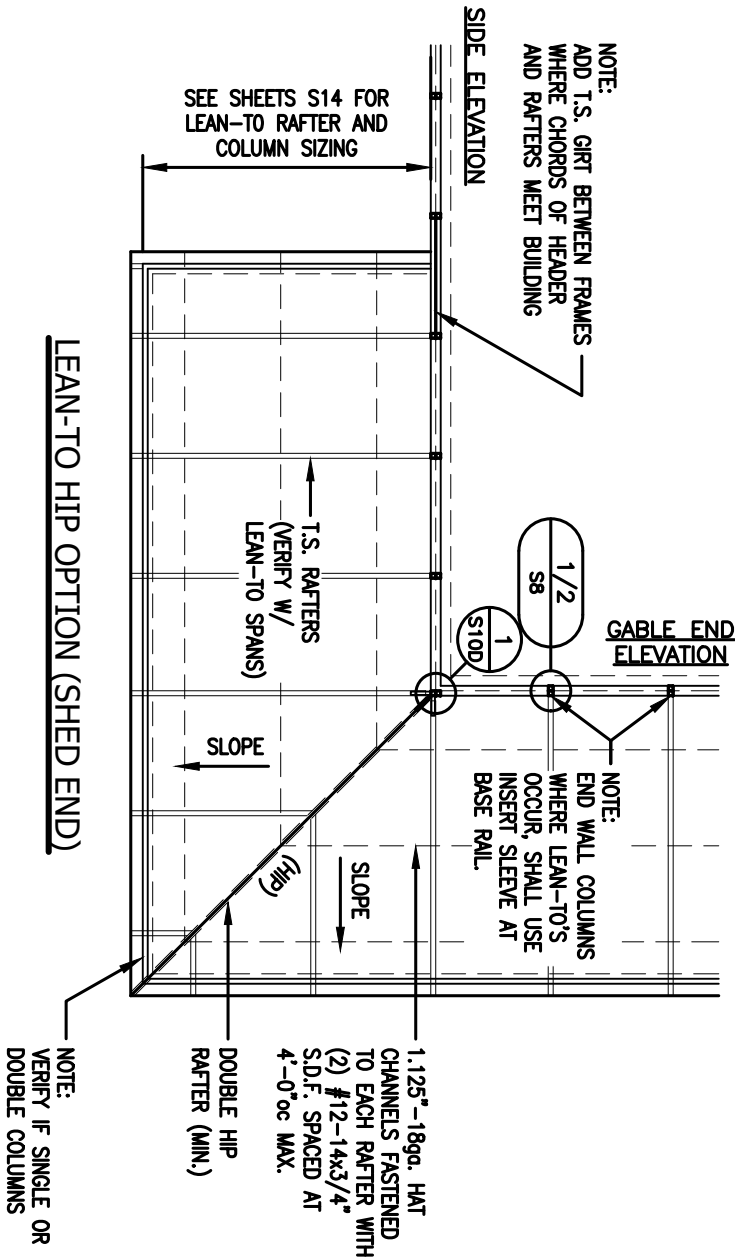


(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
Project No. 24-510	Sheet No. S9

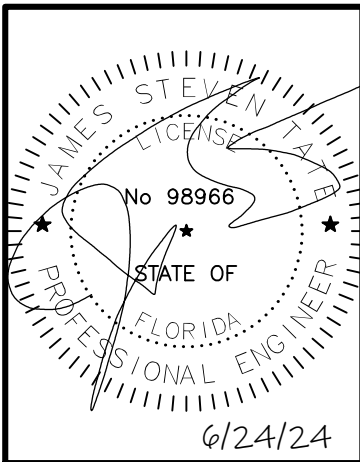
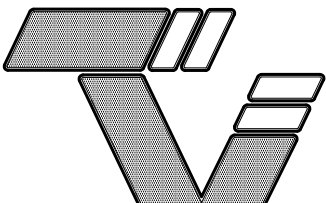
JCMT Associates, PLLC

211 Stone Drive, Pilot Mountain, NC 27041
Telephone: (336) 399-6277

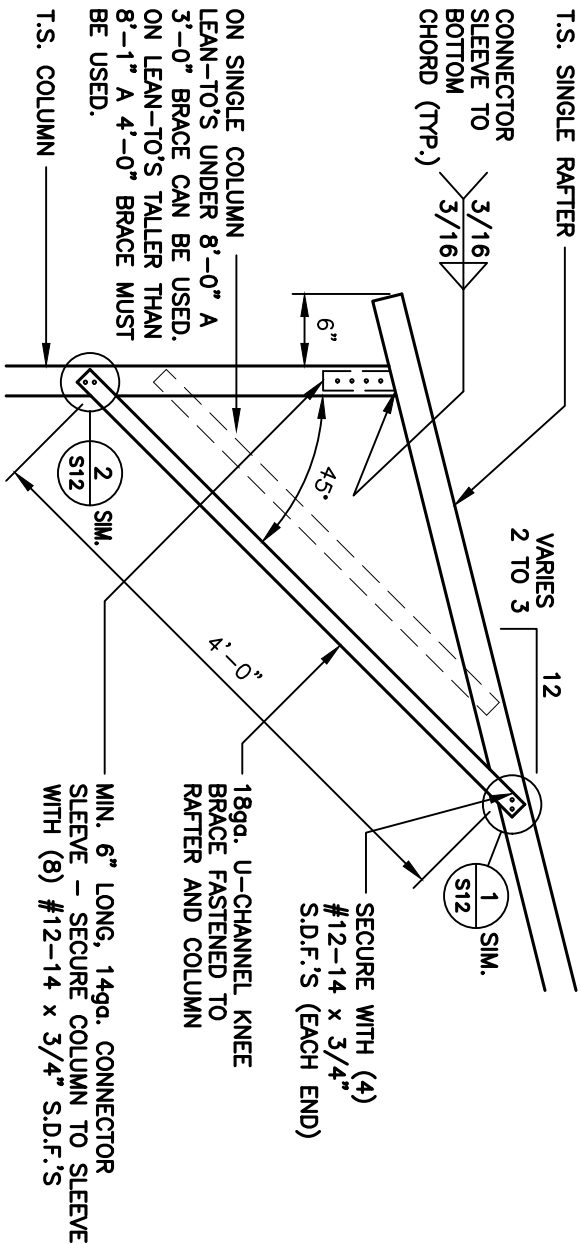
LEAN-TO HIP FRAMING OPTIONS



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

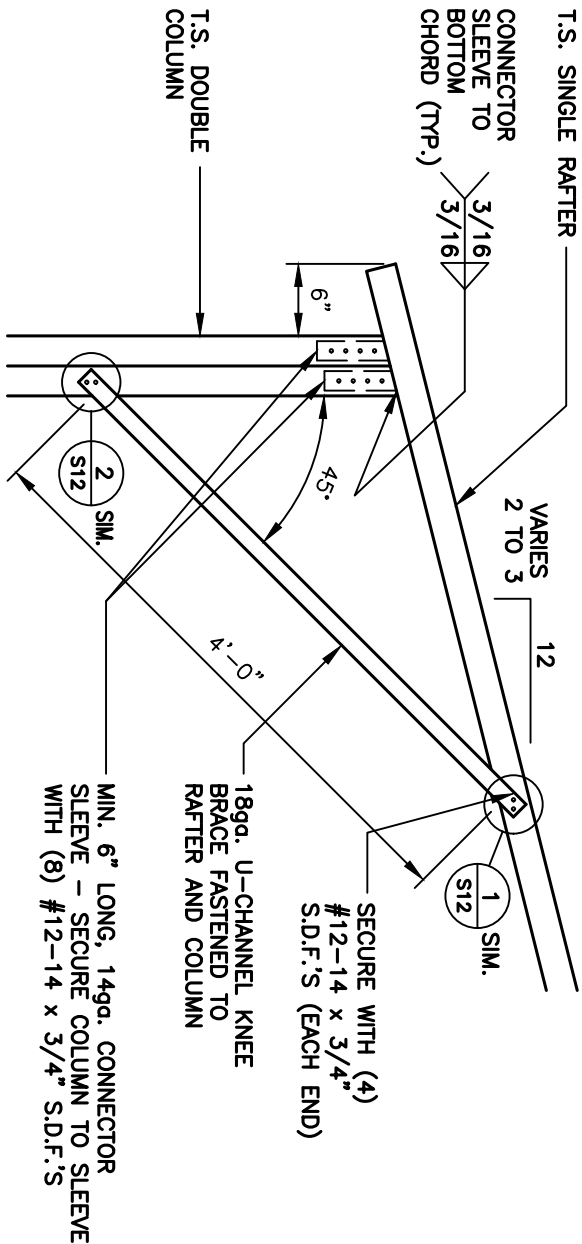
	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)			(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
					Sheet No. S9A
					JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277
Date: 06/24/24		Revisions: -			

LEAN-TO FRAMING OPTIONS



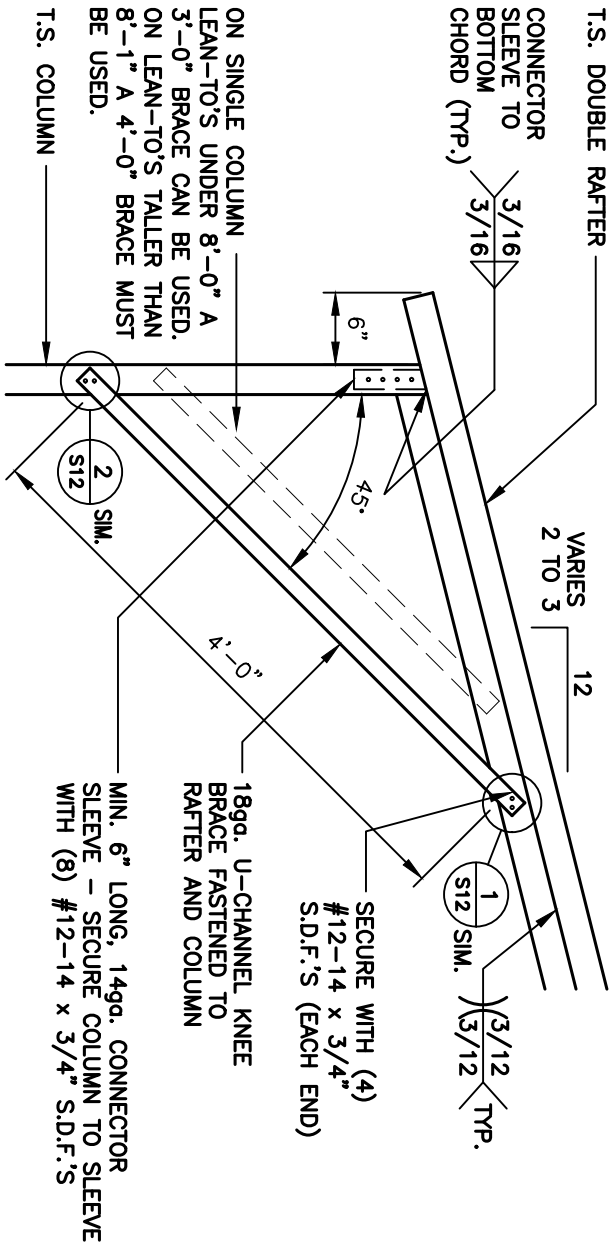
1
S10
SCALE: 3/4" = 1'-0"

LEAN-TO SINGLE RAFTER / SINGLE COLUMN
CONNECTION DETAIL



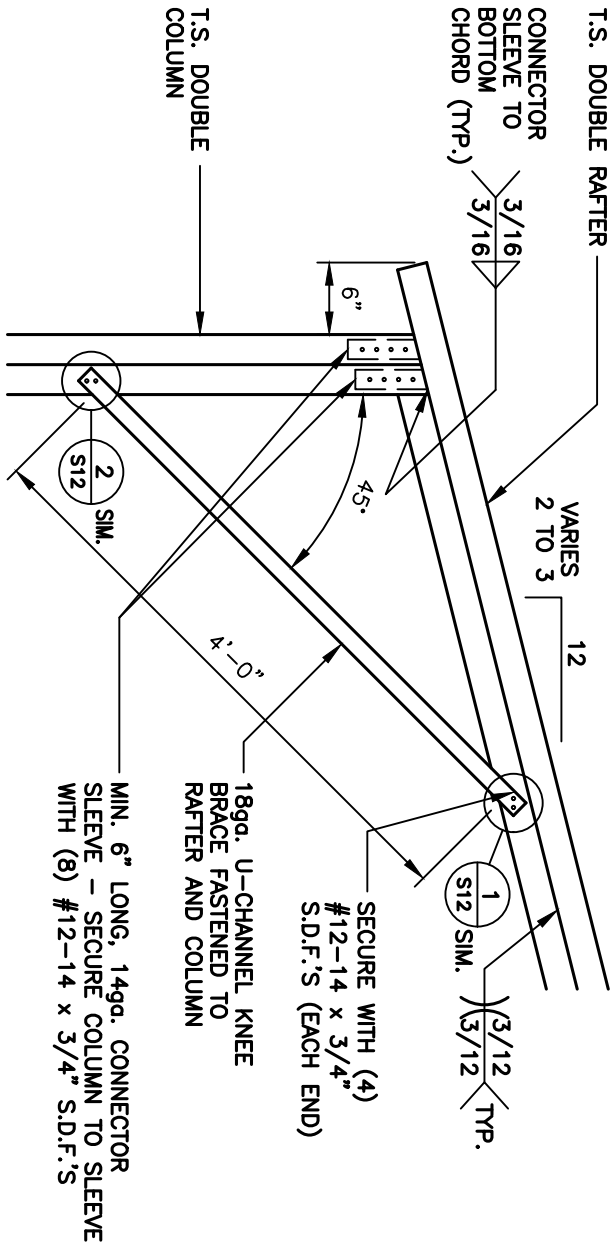
2
S10
SCALE: 3/4" = 1'-0"

LEAN-TO SINGLE RAFTER / DOUBLE COLUMN
CONNECTION DETAIL



1A
S10
SCALE: 3/4" = 1'-0"

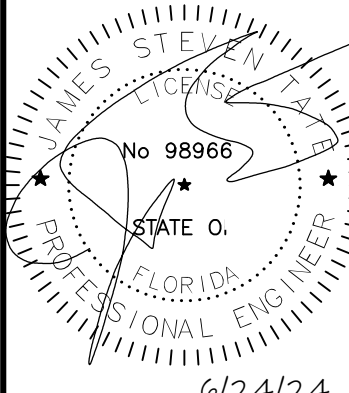
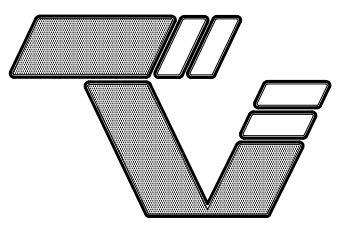
LEAN-TO DOUBLE RAFTER / SINGLE COLUMN
CONNECTION DETAIL



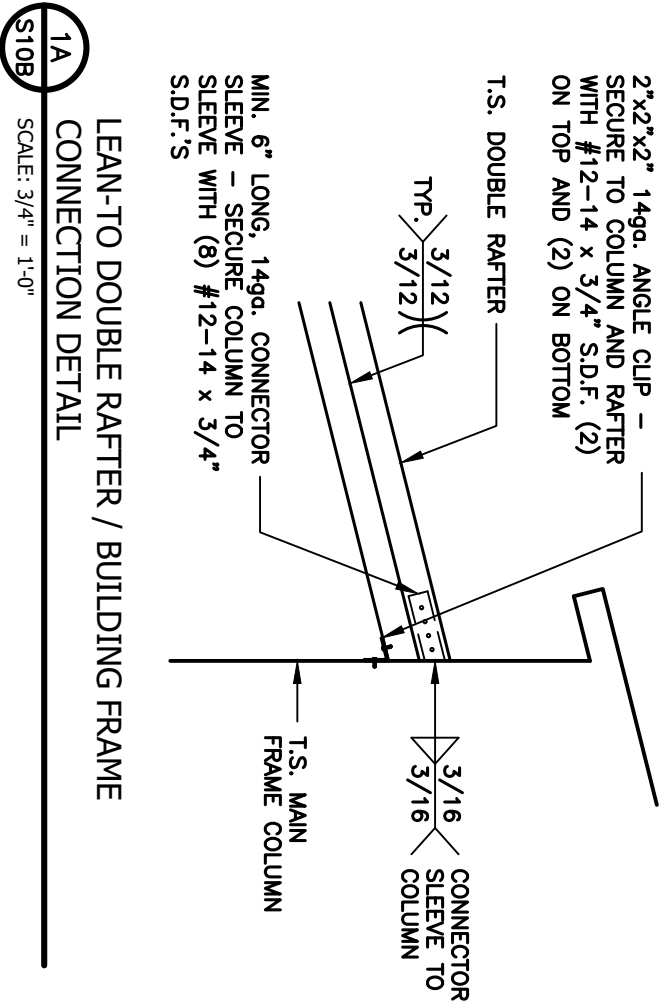
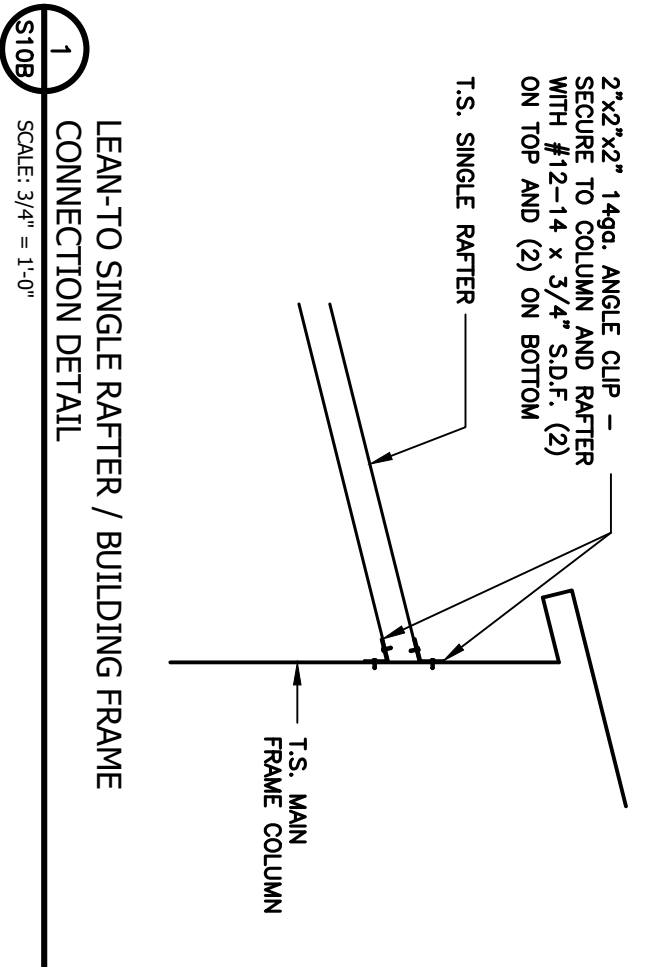
2A
S10
SCALE: 3/4" = 1'-0"

LEAN-TO DOUBLE RAFTER / DOUBLE COLUMN
CONNECTION DETAIL

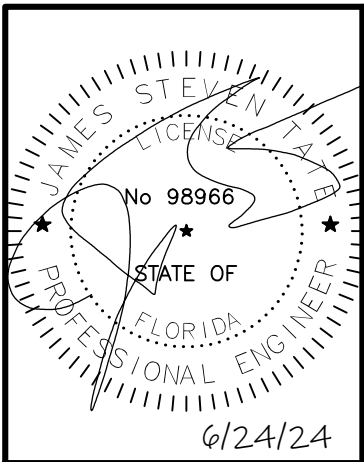
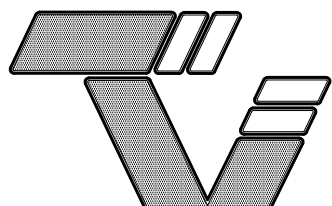
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
Date: 06/24/24	Revisions: -	JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277		Sheet No. S10

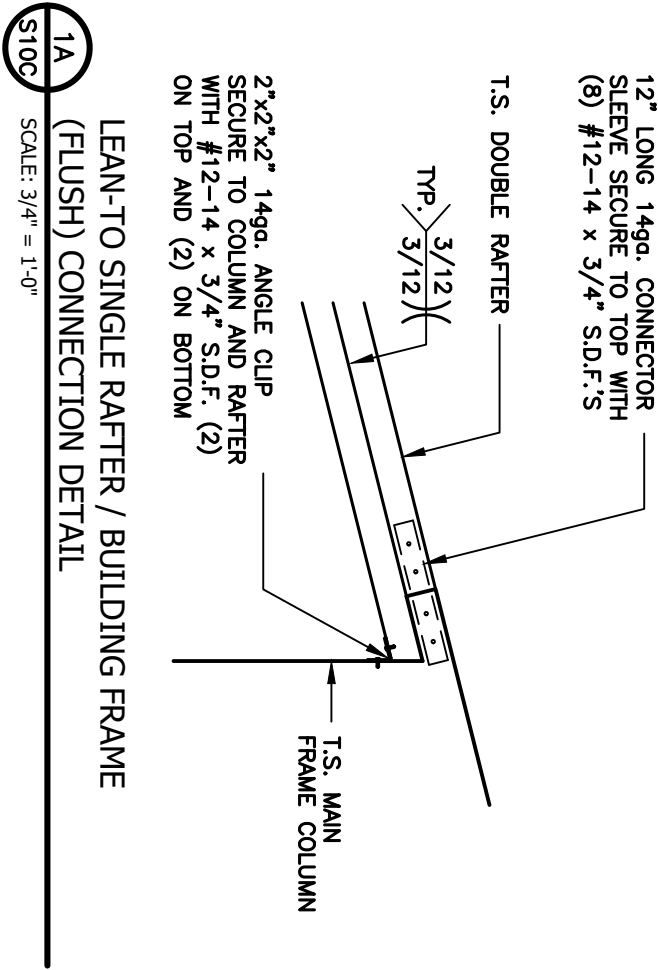
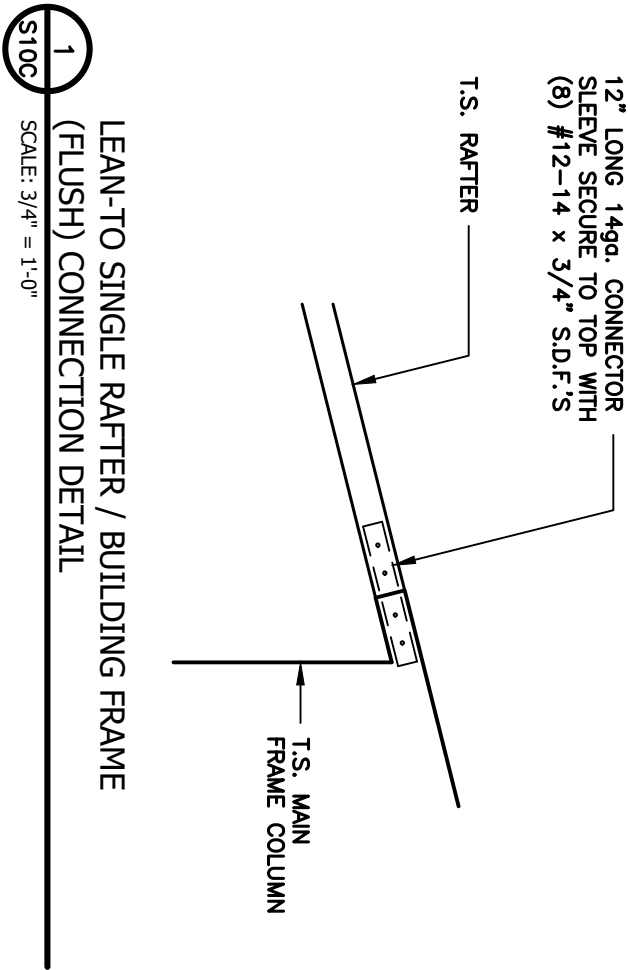
LEAN-TO FRAMING OPTIONS



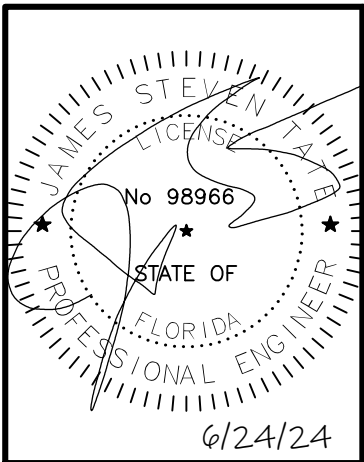
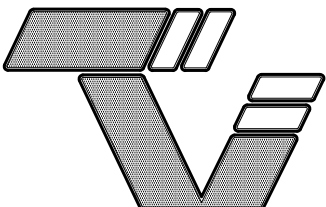
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)			(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	
				JCMT Associates, PLLC	
				211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Project No. 24-510		Sheet No. S10B	
Revisions: -					

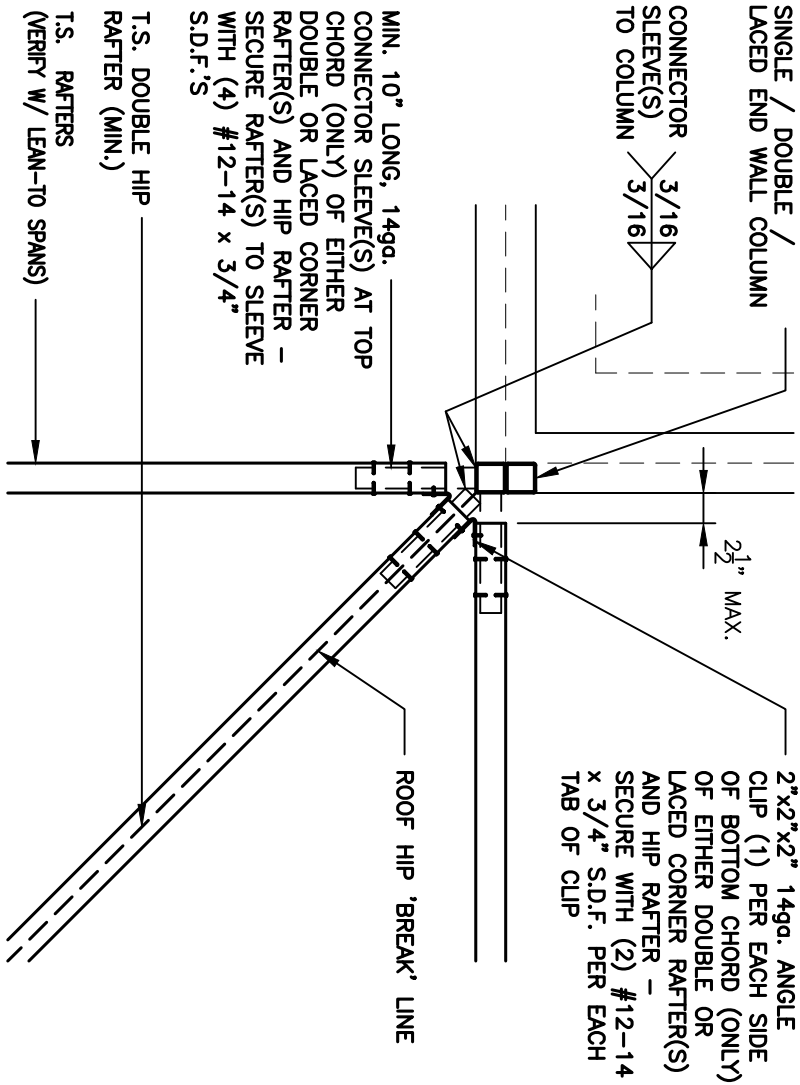
LEAN-TO FRAMING OPTIONS



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

	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)		(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW		
Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277			Project No. 24-510
Revisions: -					Sheet No. S10C

LEAN-TO FRAMING OPTIONS

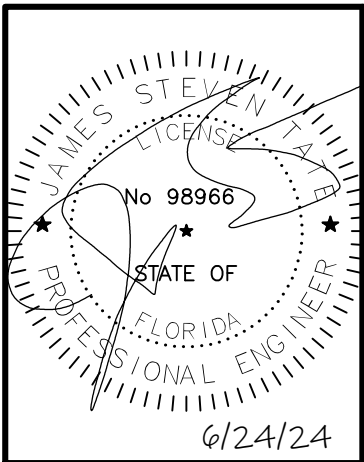
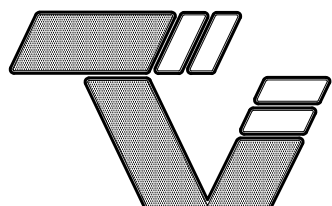


1
S10D

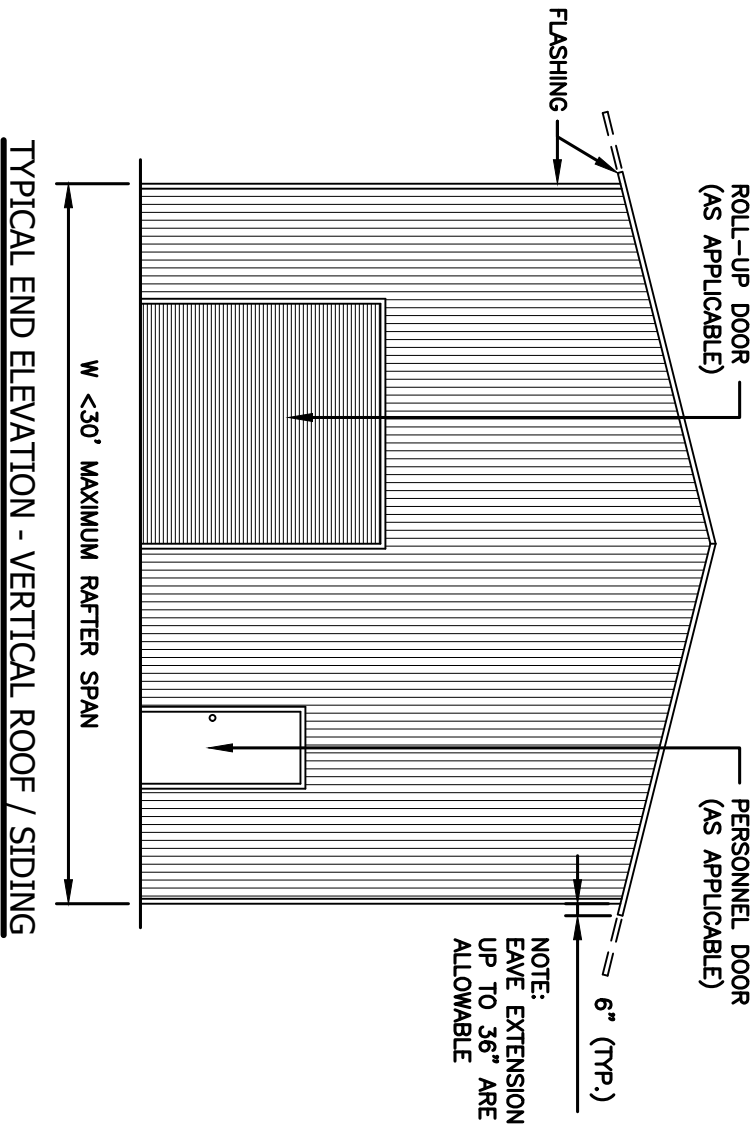
END WALL COLUMN / HIP RAFTER
CONNECTION DETAIL

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

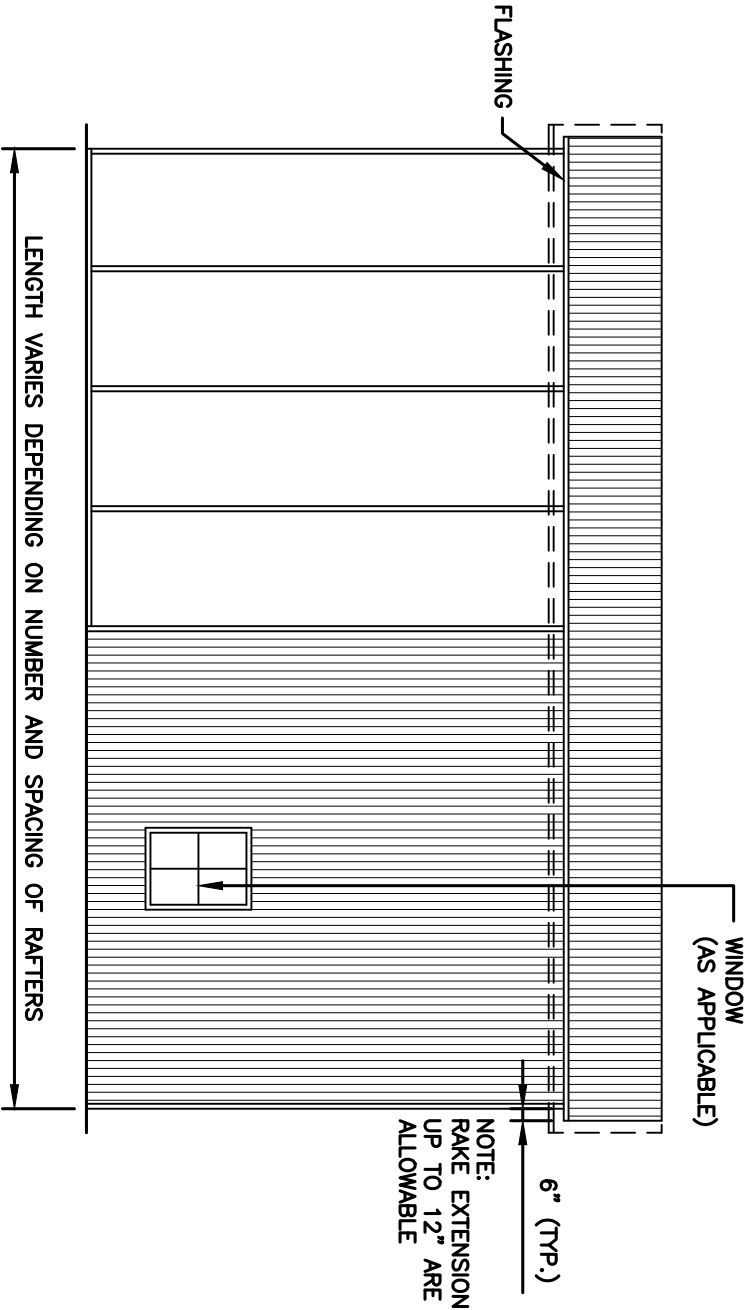
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

 6/24/24	 TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)				(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510
						Sheet No. S10D
						JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277
Date: 06/24/24		Revisions: -				

VERTICAL ROOF / SIDING OPTION



TYPICAL END ELEVATION - VERTICAL ROOF / SIDING

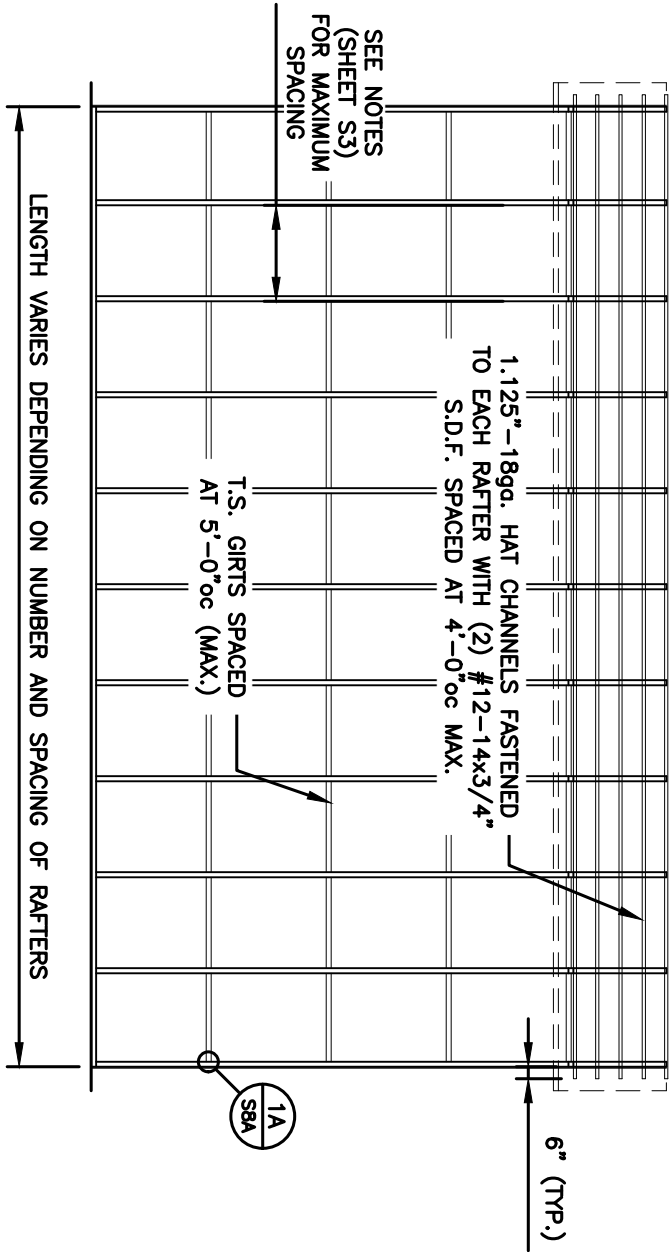
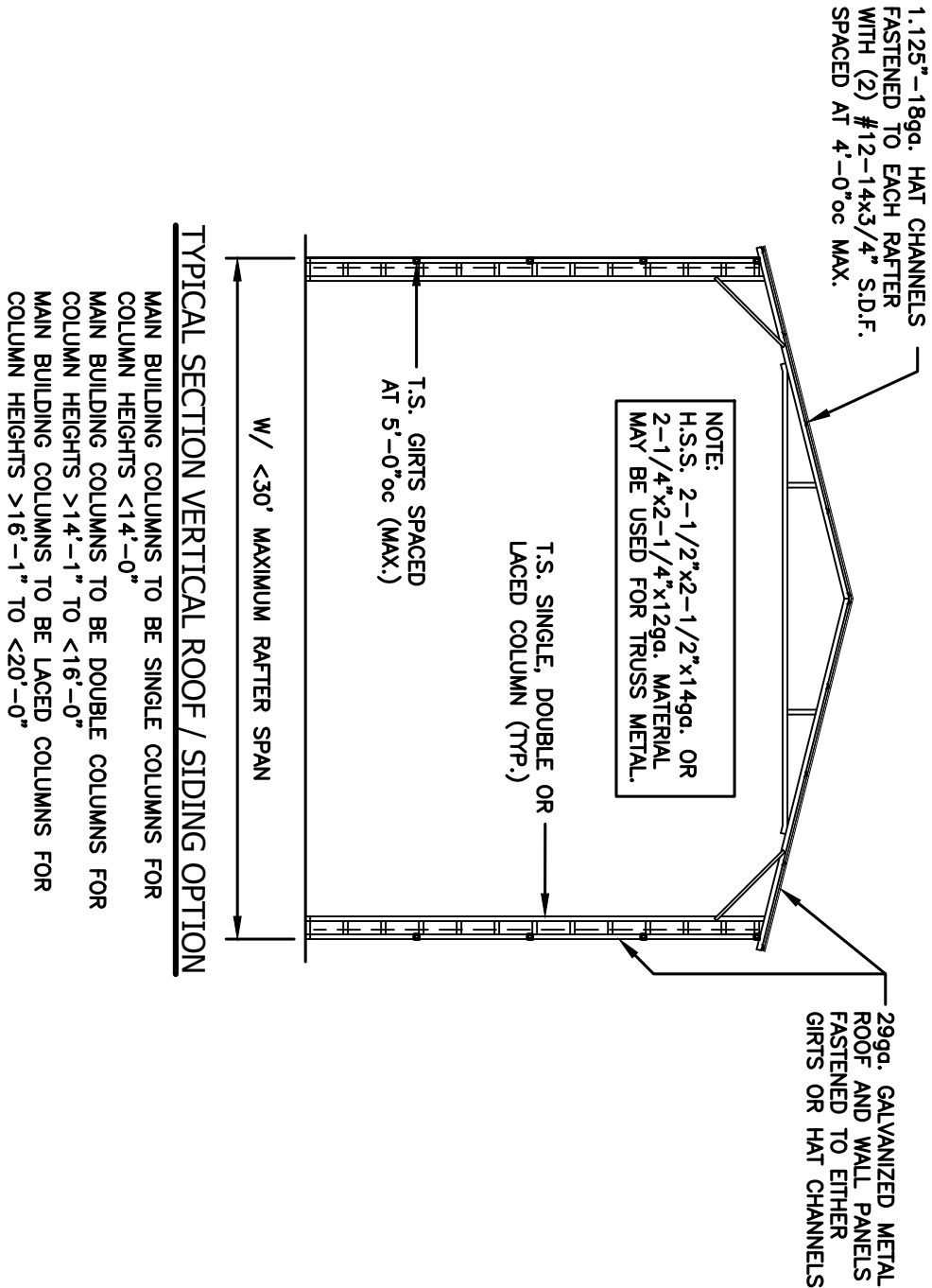


TYPICAL SIDE ELEVATION - VERTICAL ROOF / SIDING

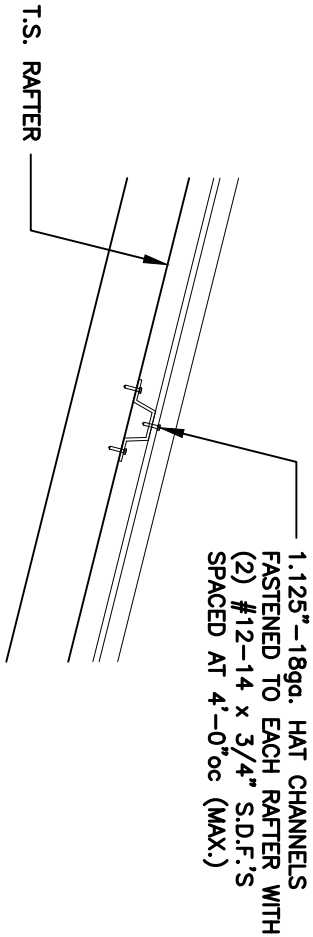
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

	TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW . TAYLORVIOLA . COM VI.0 (FLA.)			(PARTIAL) 0' - 30' WIDTH 20' EAVE HEIGHT 140 WIND ZONE 5 P.S.F. SNOW	Project No. 24-510	
					Sheet No. S11	
					JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Revisions: -				

VERTICAL ROOF / SIDING OPTION



TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION



(TYPICAL) ROOF PANEL ATTACHMENT

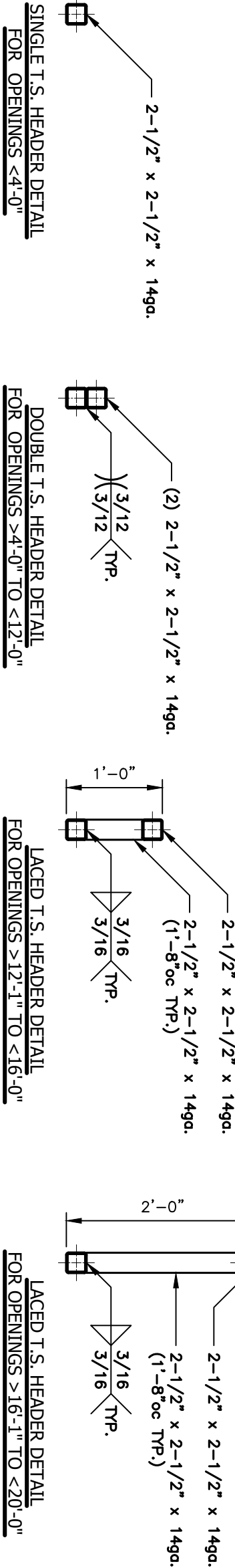
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

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			JCMT Associates, PLLC	
			211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
Date: 06/24/24		Revisions: -	Project No. 24-510	
			Sheet No. S11A	

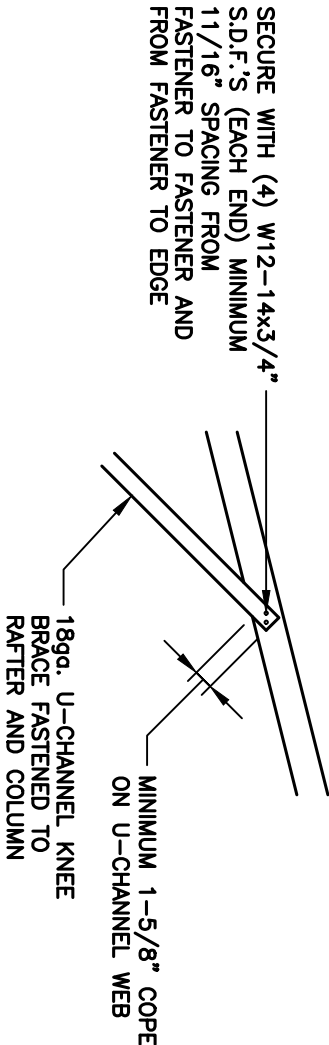
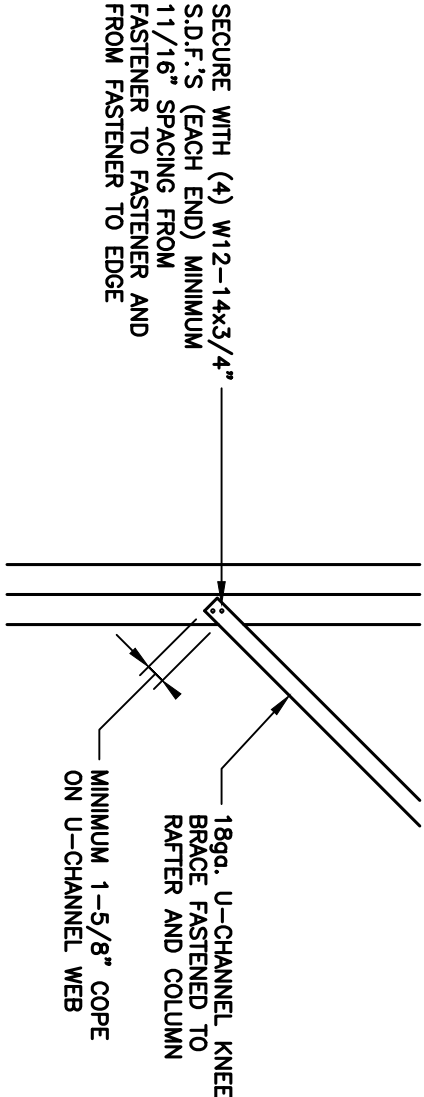
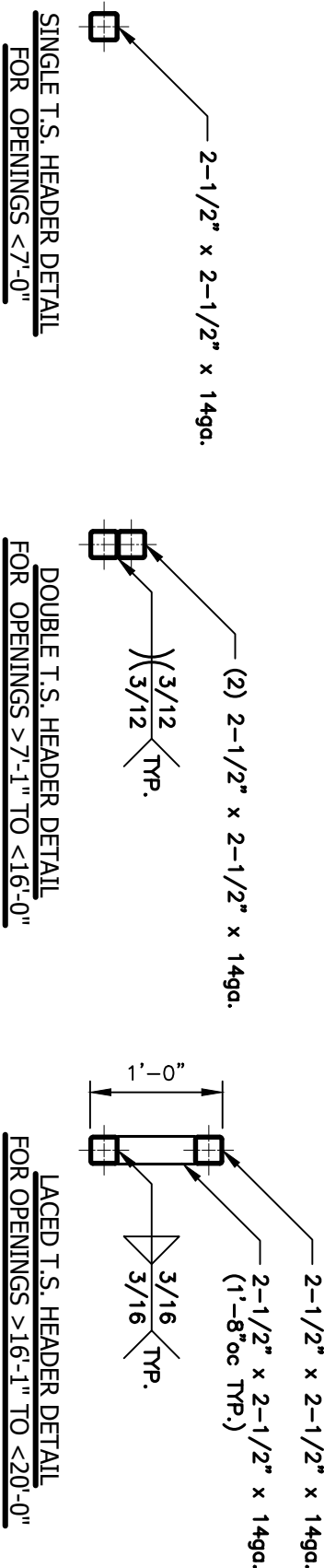
GENERAL NOTE:
PROVIDE DOUBLE WYTHE HEADER
ON DOUBLE COLUMNS.

HEADER OPTIONS

SIDE WALL HEADER OPTIONS



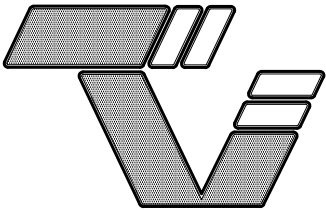
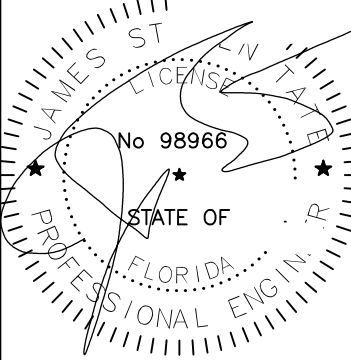
END WALL HEADER OPTIONS



1 U-CHANNEL TO COLUMN CONNECTION DETAIL
S12 SCALE: 3/4" = 1'-0"

2 U-CHANNEL TO TRUSS CONNECTION DETAIL
S12 SCALE: 3/4" = 1'-0"

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 6/24/24		Date: 06/24/24		JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	
VI.0 (FLA.)		Revisions: -			
				Sheet No. S12	