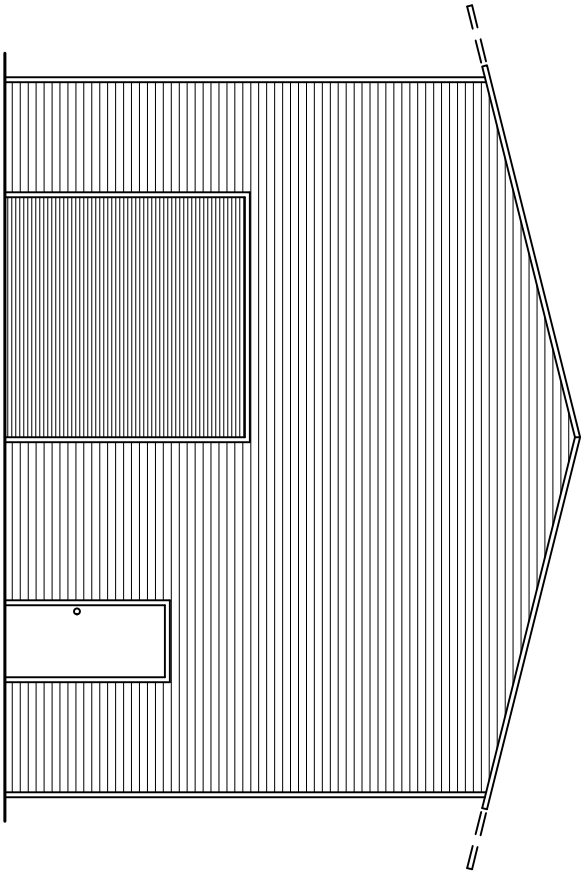




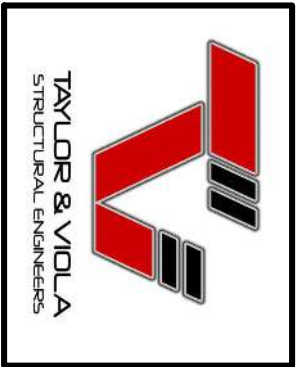
(PARTIALLY) ENCLOSED GABLE END BUILDING

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:

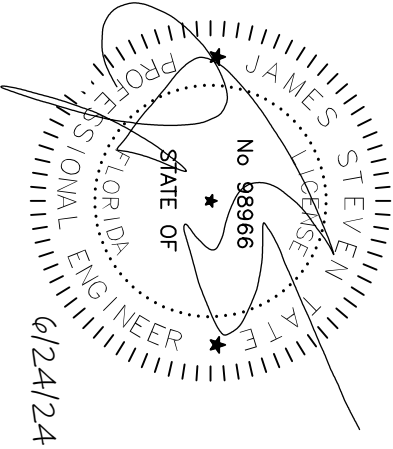
STEEL BUILDINGS & STRUCTURES, INC.

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'

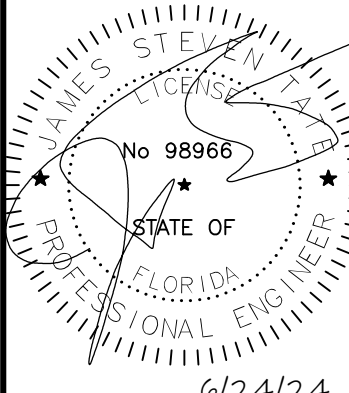
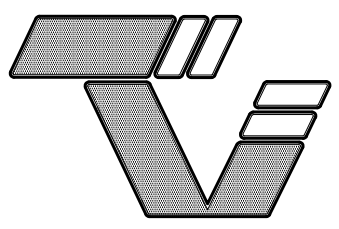
James Tate

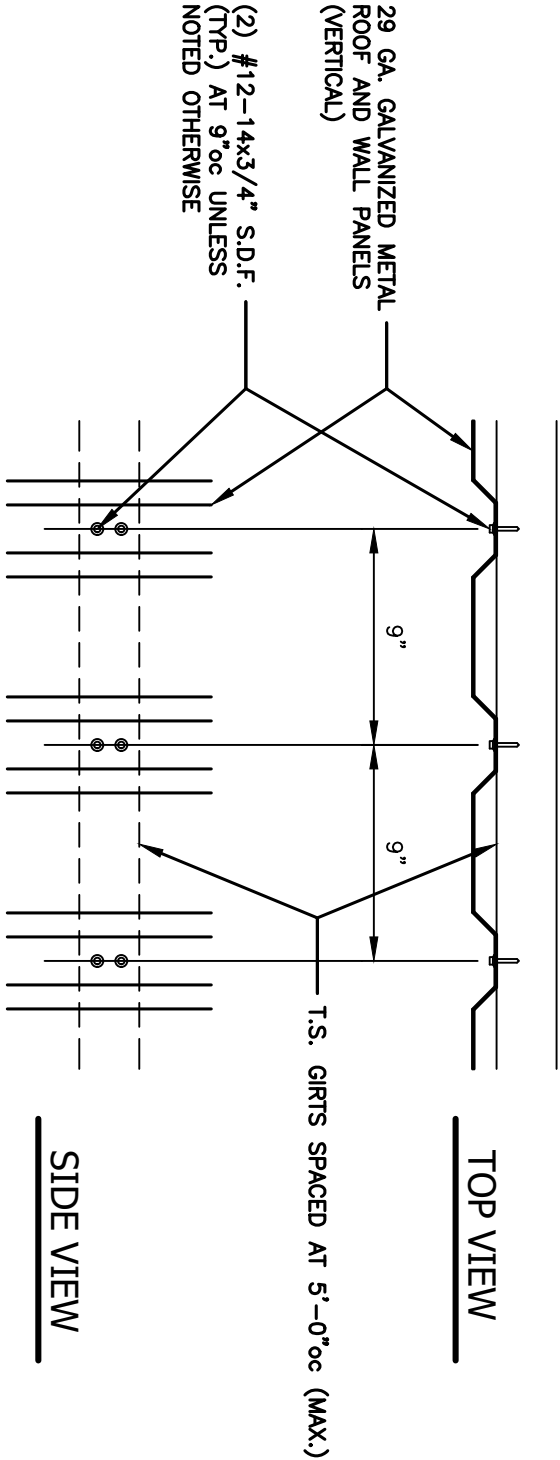


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- SOB – INDEX OF DRAWINGS / SEALS
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- S2 – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <16'H.)
- S2A – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>25' TO <30' / <16'H.)
- S2B – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <20'H.)
- S2C – TYPICAL RAFTER / COLUMN FRAME SECTIONS (>0' TO <30' / <20'H.)
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- S4D – BOX EYE / LACED COLUMN OPTIONS (>0' TO <30' / <20' HIGH)
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- S5B – DOUBLE COLUMN FOUNDATION
- S5C – DOUBLE COLUMN FOUNDATION – NO SIDING LEDGE
- S5D – LACED COLUMN FOUNDATION
- S5E – LACED COLUMN FOUNDATION – NO SIDING LEDGE
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- S8A – CONNECTION DETAILS
- S8B – TRUSS CONNECTION DETAILS
- S9 – LEAN-TO FRAMING OPTIONS
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- S10 – LEAN-TO FRAMING OPTIONS
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- S10B – LEAN-TO FRAMING OPTIONS
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- S10C – LEAN-TO FRAMING OPTIONS
- S11 – VERTICAL ROOF / SIDING OPTIONS
- S11A – VERTICAL ROOF / SIDING OPTIONS
- S12 – HEADER OPTIONS

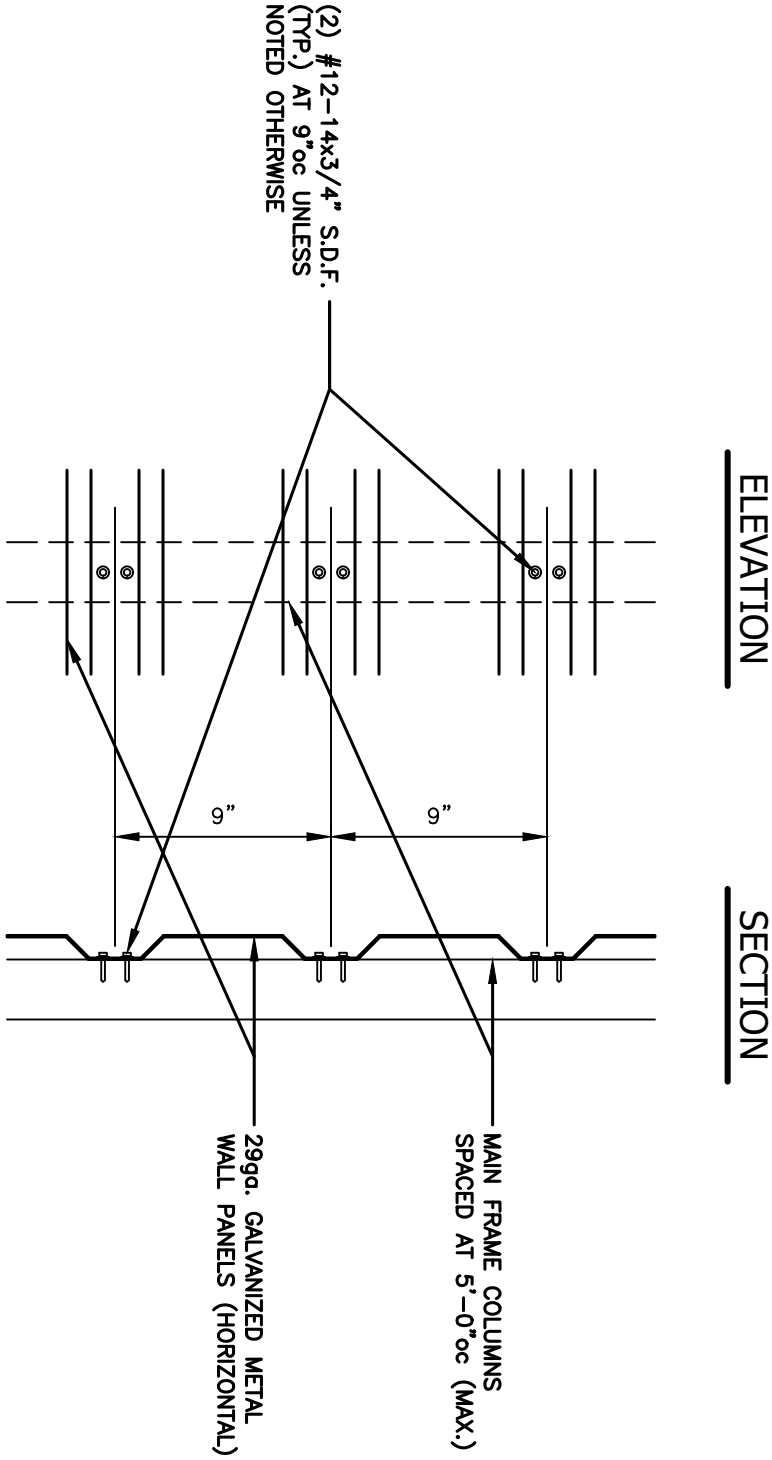
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

 VI.0 (FLA.)	 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. 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

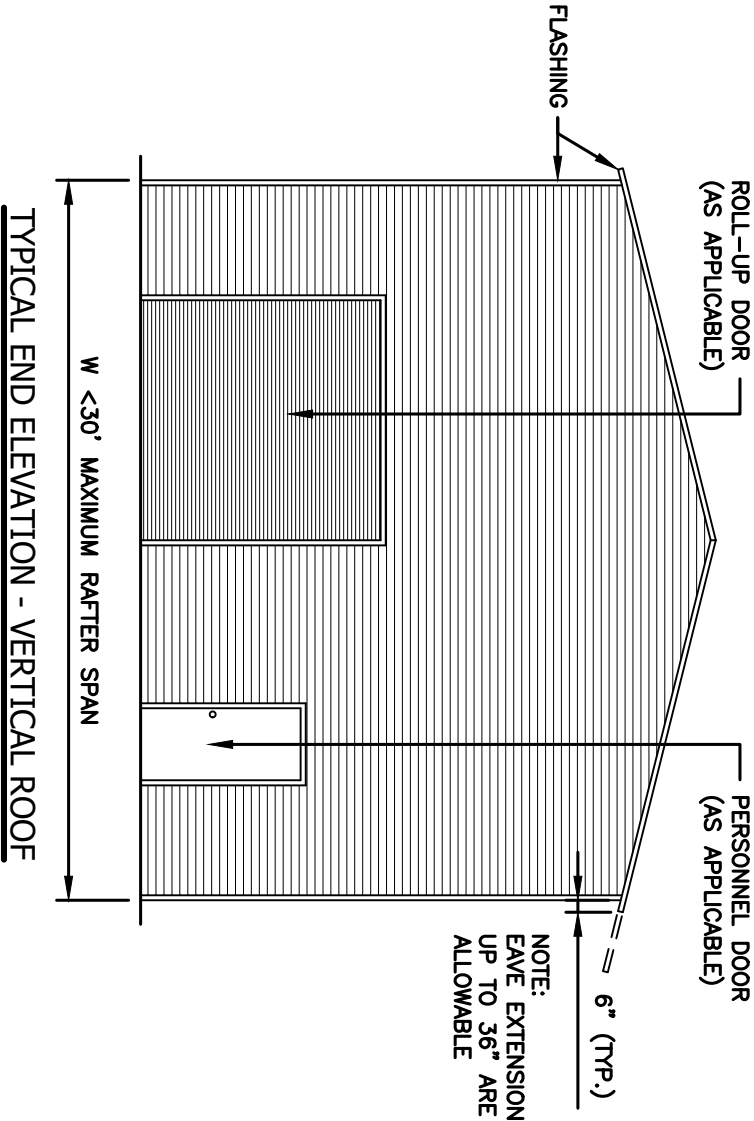
DESIGN LOADS:			
IMPORTANCE FACTORS	WIND	(1w) 1.00	
	SNOW	(1s) 1.00	
	SEISMIC	(1e) 1.00	
DEAD LOADS	ROOF	13	P.S.F.
	ROOF COLLATERAL	0	P.S.F.
LIVE LOADS	ROOF	20	P.S.F.
GROUND SNOW LOAD:		5	P.S.F.
WIND LOAD:	BASIC WIND SPEED	V 140	M.P.H. (ASCE 7-16 & 7-22)
	EXPOSURE CATAGORY	B/C	
SOIL BEARING CAPACITIES: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

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

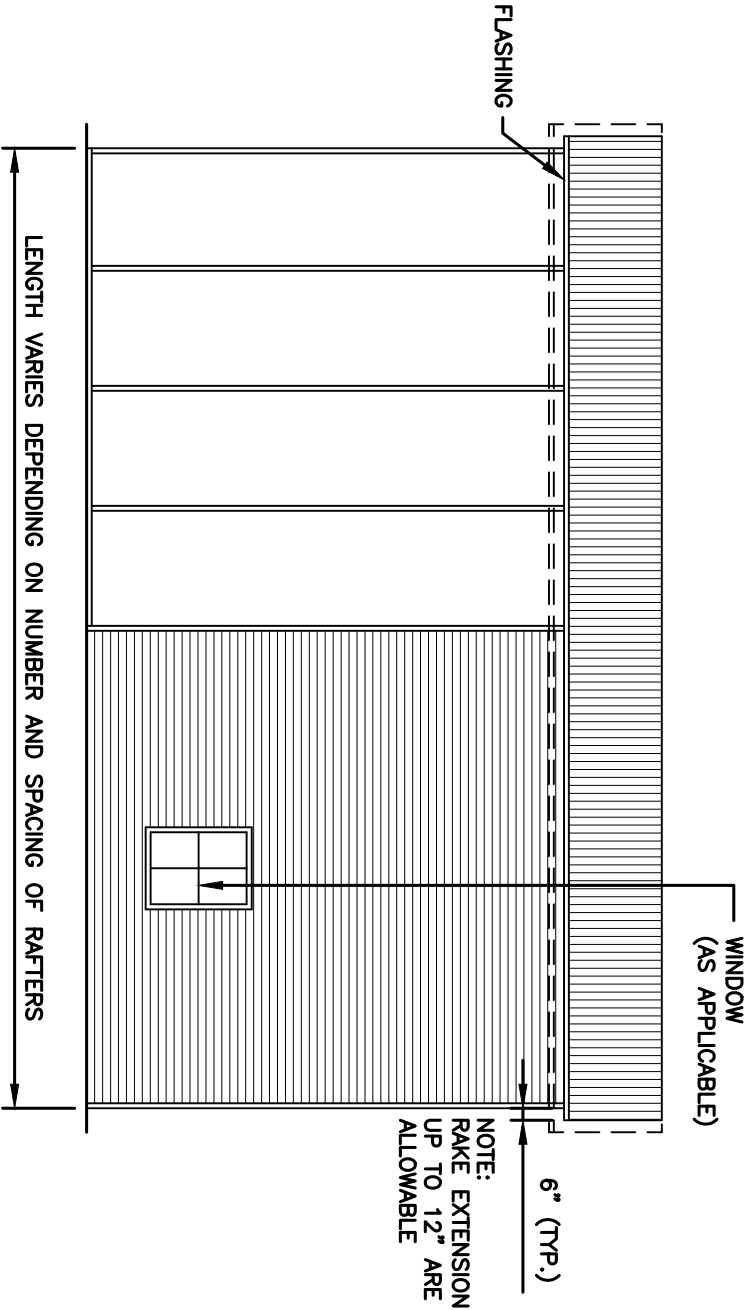
GENERAL NOTES:

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 NOT

BOX EVE FRAME RAFTER STRUCTURE

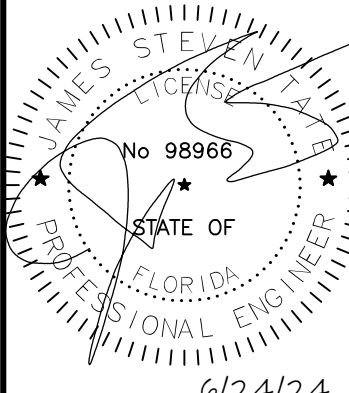
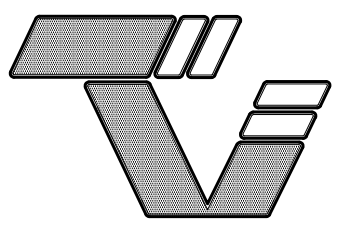


TYPICAL END ELEVATION - VERTICAL ROOF

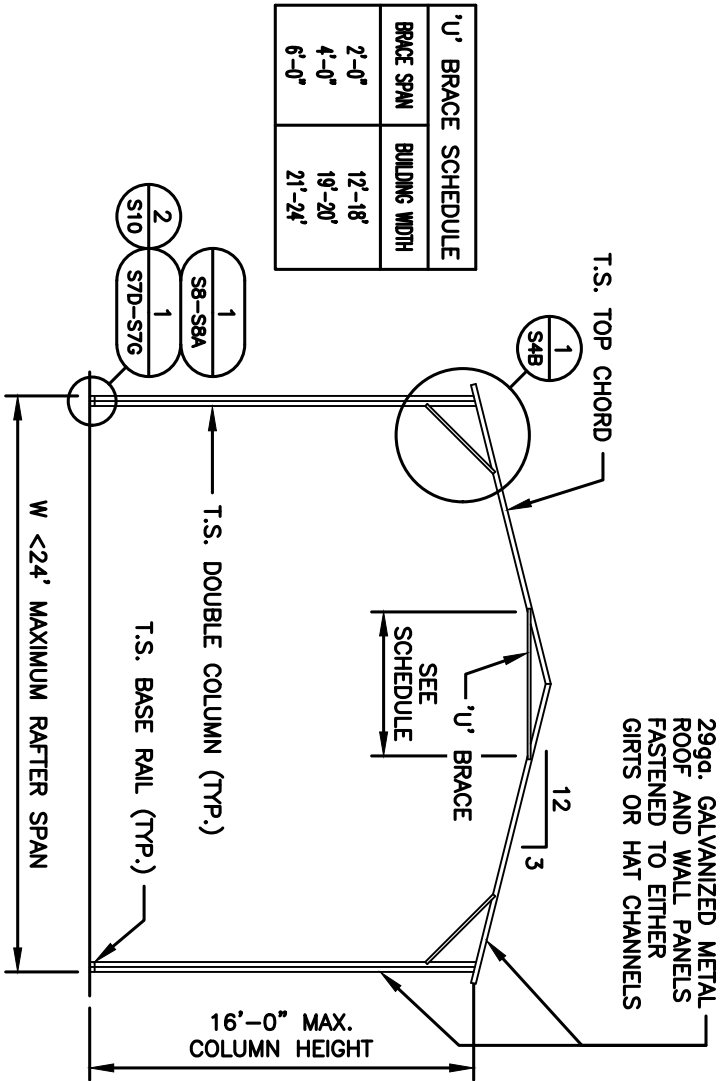


TYPICAL SIDE ELEVATION - VERTICAL ROOF

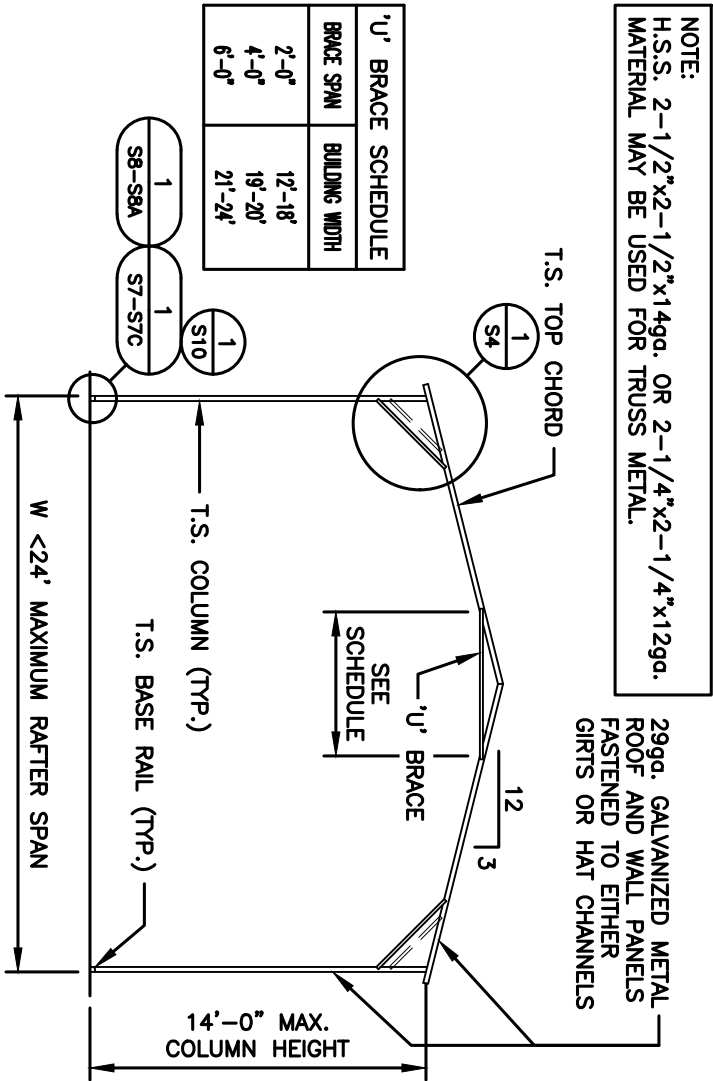
NOTE: THESE DRAWINGS ARE VALID FOR (1) CALENDER YEAR AFTER THE ISSUE DATE LISTED ON THIS SHEET.

 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. S1	
				JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	

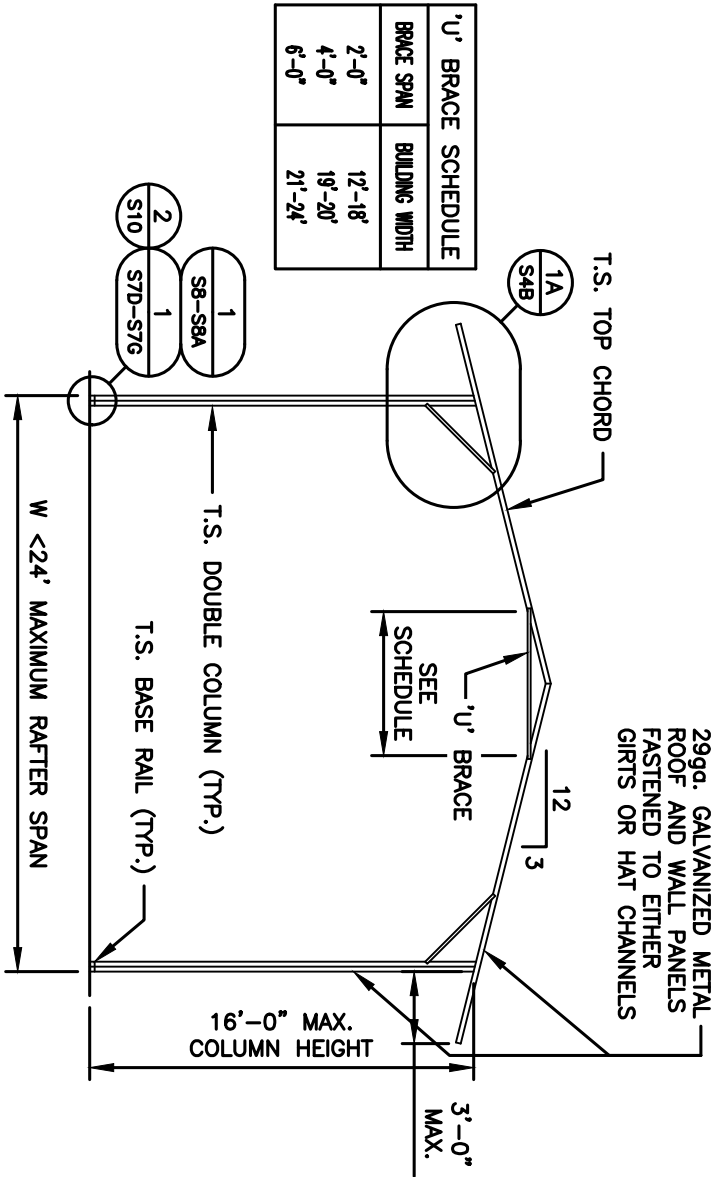
(<24' WIDE / <16' HIGH) BOX EYE RAFTER END WALL SECTIONS



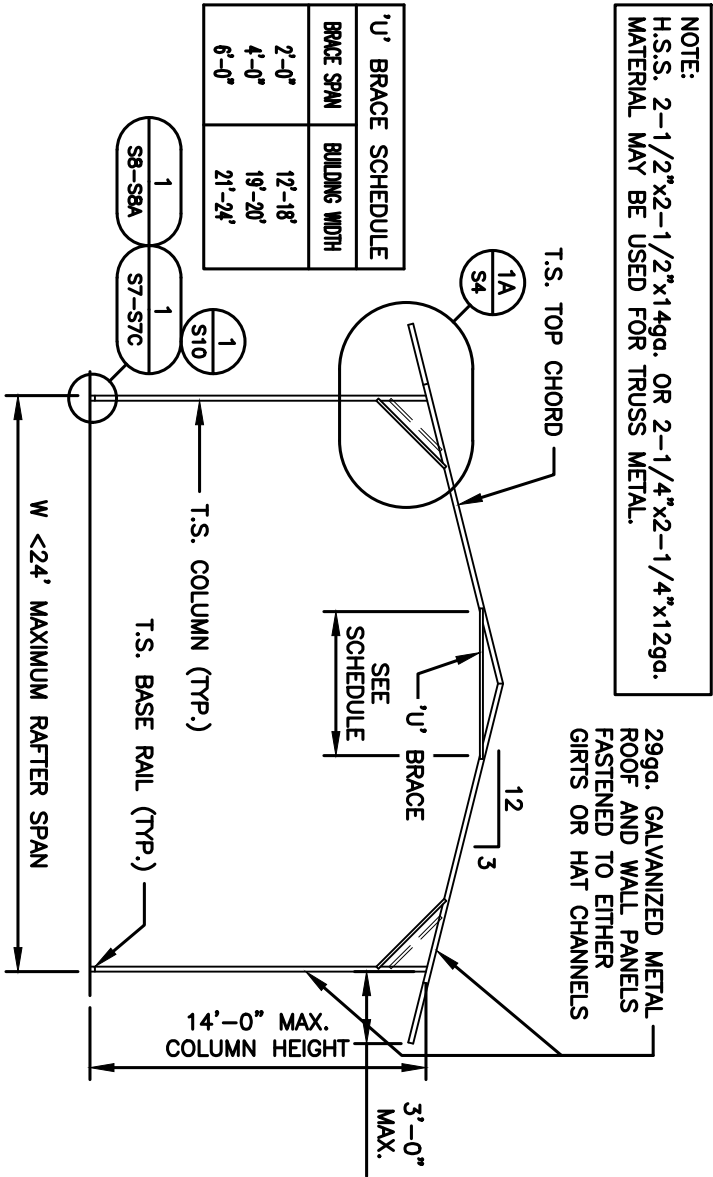
TYPICAL RAFTER / COLUMN FRAME SECTION



TYPICAL RAFTER / COLUMN FRAME SECTION



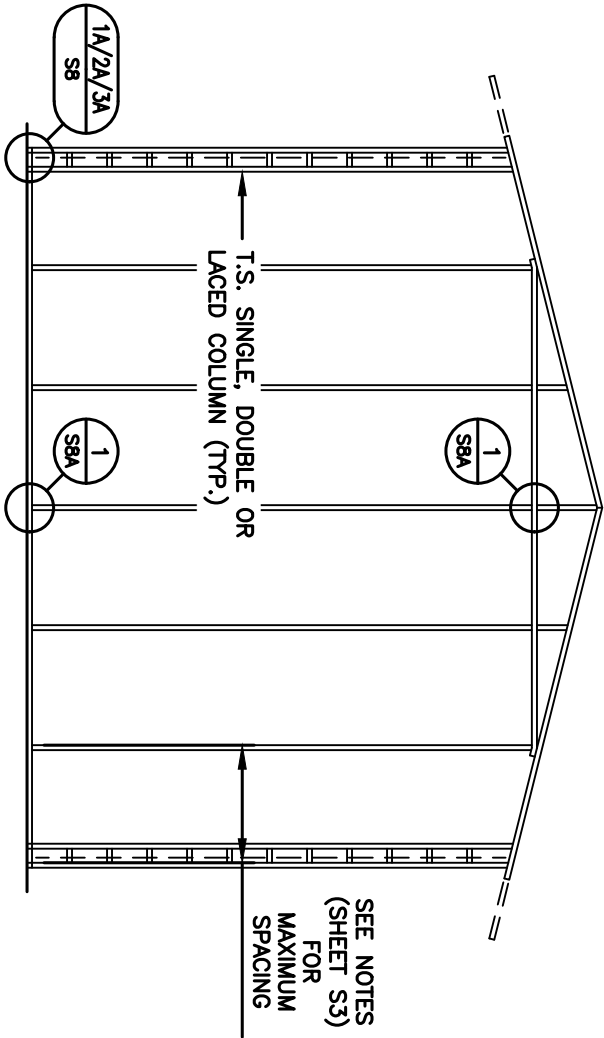
TYPICAL RAFTER / COLUMN FRAME SECTION (3' SOFFIT)



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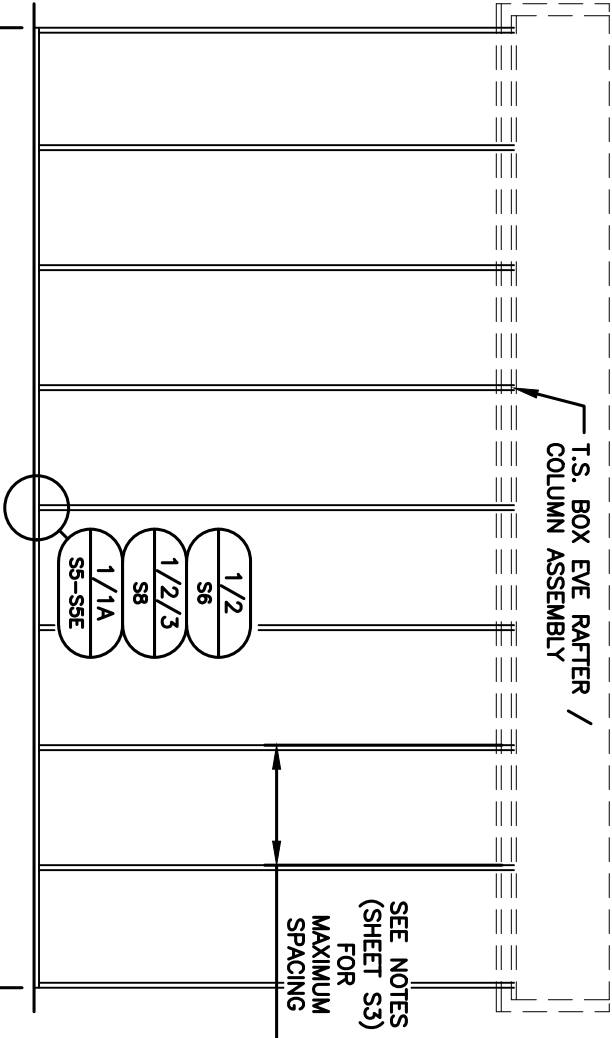
<

TYPICAL SIDE / END FRAMING ELEVATIONS



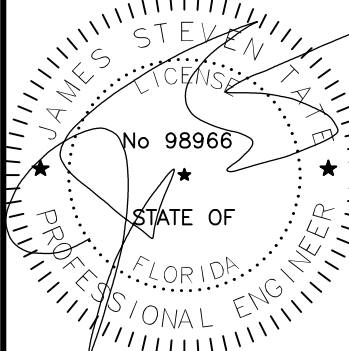
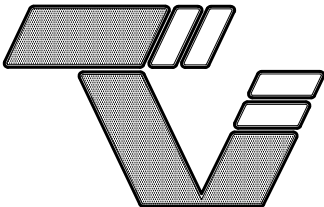
TYPICAL BOX EVE RAFTER / END WALL COLUMN FRAME SECTION

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

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

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