

ENCLOSED GABLE END BUILDING MAXIMUM 30'-0" WIDE X 16'-0" EAVE HEIGHT WITH BOX FRAME / (UP TO) 145 M.P.H. WIND ZONE - 35 P.S.F. SNOW LOAD FOR:

NC CARPORTS & GARAGE

116 EAST MARKET STREET

ELKIN, NORTH CAROLINA

TELE: 336-368-0668

ISSUE DATE: 01.23.24



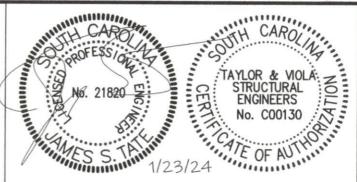




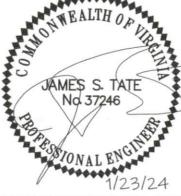
211 Stone Drive / Pilot Mountain, NC 27041 336-399-6277



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



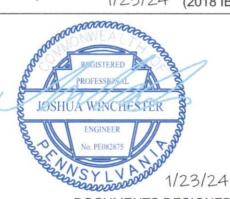
DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2021 SC BUILDING CODE (2021 IBC)



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



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2012 IBC



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



1/23/24

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



1/23/24

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



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



N C C A R P O R T S

& G A R A G E S

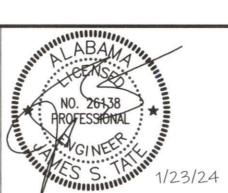
116 EAST MARKET STREET
ELKIN, NORTH CAROLINA 28621
TELE: 336-368-0668

DRAWN BY: PROJECT NO: MISC

DATE: SHEET NO: \$1



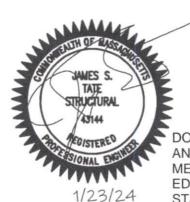
DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



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



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



DOCUMENTS DESIGNED AND DRAWN TO MEET THE NINETH EDITION OF THE MA STATE BUILIDING CODE



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2018 IBC



DOCUMENTS DESIGNED AND DRAWN TO MEET THE 2017 IBC



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

TAYLOR & VIOLA
STRUCTURAL ENGINEERS
P.O.B. 2616 - HIKORY NORTH CAROLINA
TELE 828-328-6331 - FAX: 828-322-1801
www. Taylorviola . COM

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

N C C A R P O R T S

& G A R A G E S

116 EAST MARKET STREET
ELKIN, NORTH CAROLINA 28621
TELE: 336-368-0668

DRAWN BY: PROJECT NO: MISC

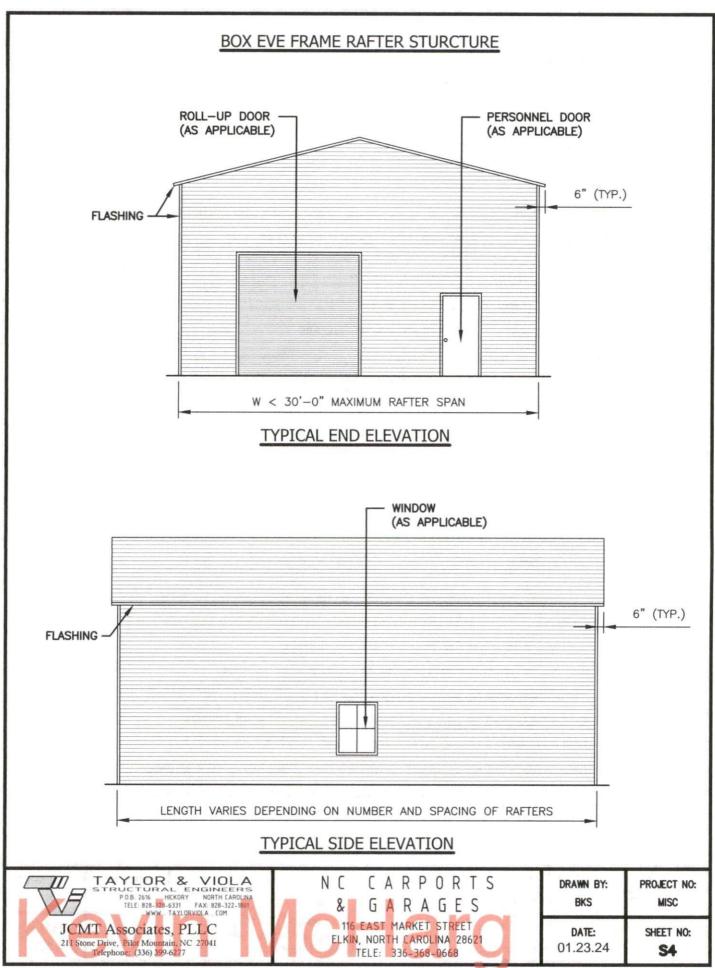
DATE: SHEET NO: 01.23.24

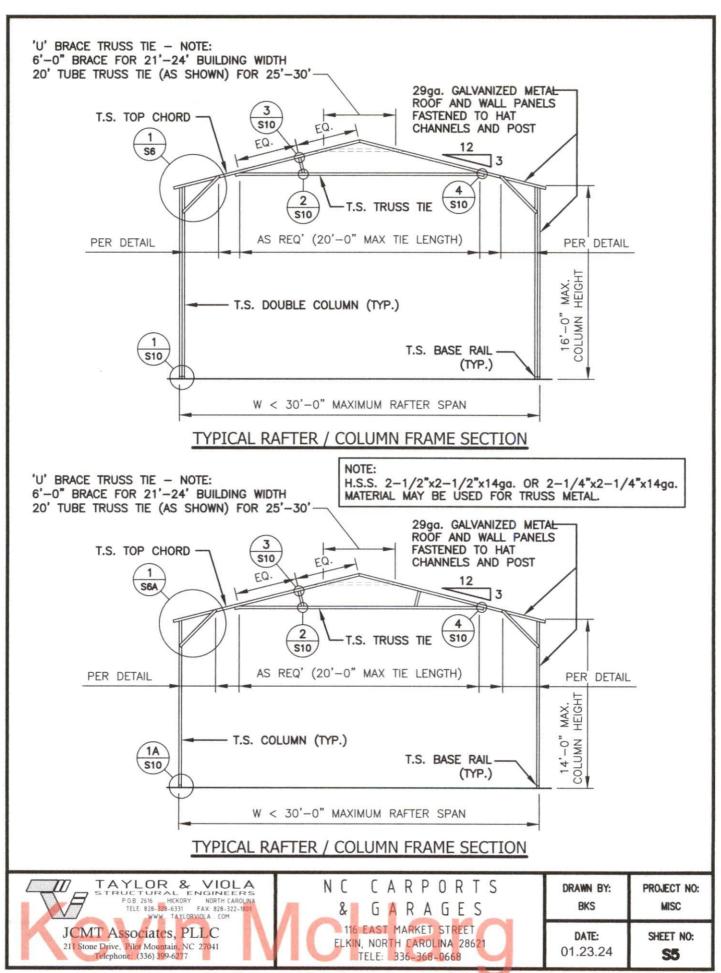
SHEET INDEX

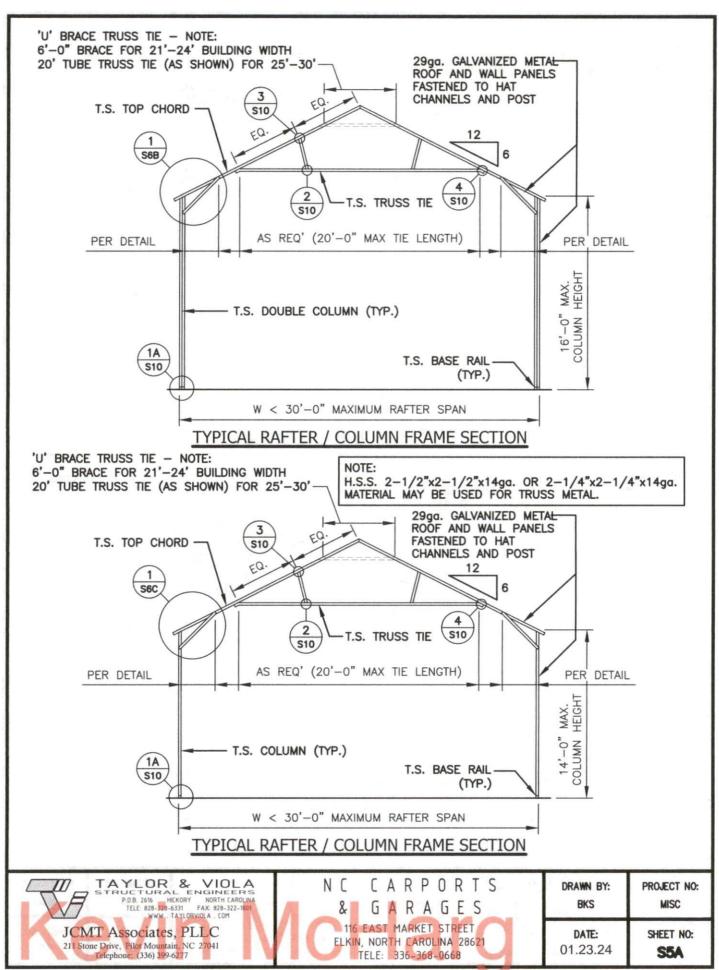
SHEET NUMBE	R SHEET TITLE
S0	- SEALED COVER SHEET
S1	- P.E. SEALS SHEET
S1A	- P.E. SEALS SHEET
S2	- DRAWING INDEX
S3 ———	 GENERAL NOTES AND SPECIFICATIONS
S4	- SIDE AND END ELEVATIONS
S5	TYPICAL RAFTER /
	COLUMN FRAME SECTIONS
S5A	TYPICAL RAFTER / COLUMN FRAME SECTIONS
S5B	TYPICAL RAFTER / COLUMN FRAME AND SIDE FRAMING SECTION
S6	 COLUMN CONNECTION DETAILS (LACED COLUMN)
S6A	COLUMN CONNECTION DETAILS (DOUBLE AND SINGLE COLUMN)
S6B	 COLUMN CONNECTION DETAILS (LACED COLUMN)
S6C	COLUMN CONNECTION DETAILS (DOUBLE AND SINGLE COLUMN)
S7 ———	- BASE RAIL ANCHORAGE
S7A	- BASE RAIL ANCHORAGE
S7B	- BASE RAIL ANCHORAGE
S7C	- BASE RAIL ANCHORAGE
S7D	- BASE RAIL ANCHORAGE
S7E	- BASE RAIL ANCHORAGE
S7F	- BASE RAIL ANCHORAGE
S7G	- BASE RAIL ANCHORAGE
S8	- BASE RAIL ANCHORAGE
S8A	- BASE RAIL ANCHORAGE
S9 ———	 TYPICAL END WALL OPENINGS FRAMING SECTIONS
S9A	 TYPICAL SIDE WALL OPENINGS FRAMING SECTIONS
S10 ———	 CONNECTION DETAILS
S11	 CONNECTION DETAILS
S12 ———	 CONNECTION DETAILS
S13	 CONNECTION DETAILS
	 CONNECTION DETAILS
	- LEAN-TO OPTIONS
	 LEAN-TO CONNECTION DETAILS
	 LEAN-TO CONNECTION DETAILS
S15C	- LEAN-TO CONNECTION DETAILS
	 VERTICAL ROOF / SIDING OPTION END AND SIDE ELEVATION
	 VERTICAL ROOF / SIDING OPTION END SECTION
	 VERTICAL ROOF / SIDING OPTION SIDE SECTION
S17 ———	- SIDE WALL HEADER OPTIONS
C17A	- END WALL HEADER OPTIONS

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-382-6331 FAX: 828-322-1861	NC CARPORTS	Drawn by:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilor Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO:

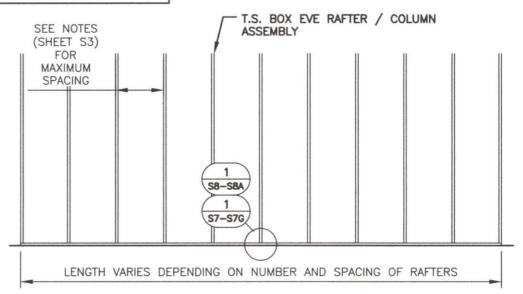
	DESIGN LOADS:							
	IMPORTANCE FACTORS	SNOW (1w) 1.00 1s) 1.00 (1e) 1.00					
	DEAD LOADS	ROOF ROOF COLLATERAL	13	P.S.F. P.S.F.				
	LIVE LOADS	ROOF		P.S.F.				
	GROUND SNOW LOAD:		35	P.S.F. * DR	IFT LOAD I	HAS NOT BE	EN CALCULATED	
	WIND LOAD:	BASIC WIND SPEED EXPOSURE CATAGOR		M.P.H. (A	SCE 7-16)			
	SEISMIC DESIGN CATAGORY		A	В	x c	D		
	PROVIDE THE FOLLOWING S	EISMIC DESIGN PARAME	ETERS:					
	OCCUPANCY CATEGORY	*NOT FOR SL	EEPING QU	ARTERS				
	SPECTRAL RESPONSE ACCE	LERATION Ss _	20.5	% g S1	8.8	%g		
	SITE CLASSIFICATION	D . FIELD TE	ST . P	RESUMPTIVE	. HIS	TORICAL DA	TA	
	BASIC STRUCTURAL SYSTEM	(CHECK ONE)						
	BEARING WALL BUILDING FRAME MOMENT FRAME	DUAL W DUAL W INVERTE	/ SPECTRA // INTERMED D PENDULU	DIATE R/C C	RAME R SPECIAL	STEEL		
	ANALYSIS PROCEDURE	SIMPLIFIEDX	EQUIVA	LANT LATER	AL FORCE	M	ODAL	
	LATERAL DESIGN CONTROL?	EARTHQUAK	Œ _	X WND				
	SOIL BEARING CAPACITIES: PRESUMPTIVE BEARING CAP	PACITIES:	2,000	P.S.F.				
	GENERAL NOTES:							
	1. MAX FRAME SPACING	SHALL BE 60"oc UNLE	SS NOTED	OTHERWISE.				
	2. MAX. END-WALL COLU	MN SPACING SHALL BI	E 60"oc UN	iless noted	OTHERWIS	E.		
	3. TUBE MATERIAL SHALL	. BE 2-1/2" x 2-1/2	" x 14ga. 5	60 K.S.I. MIN	. UNLESS I	NOTED OTHE	RWISE.	
	4. ALL FASTENERS SHALL	BE (2) #12 SELF TAI	PPING AT 9	o.c. UNLES	S NOTED O	THERWISE.		
	5. 2,000 P.S.F. ASSUMED	BEARING CAPACITY U	INLESS NOT	ED OTHERWI	SE.			
	6. THESE DRAWINGS ARE	NOT APPLICABLE TO	PARTIALLY	OPEN / ENG	LOSED OR	OPEN BUILD	DINGS.	
	 IF FRAME SPACING IS TO 43.5 P.S.F. (EXCLU 		D WALLS) -	- GROUND S	NOW LOAD	CAN INCRE	ASE	
	TAYLOR & VIO STRUCTURAL ENGINE P.O.B. 2616 HICKORY NORTH TELE 828-328-6331 FAX 828-3 WWW. TAYLORVIOLA COM	CAROLINA 322-1801	C	7.5 15 1	ORT GES	S	DRAWN BY: BKS	PROJECT NO: MISC
	T Associates, PLLC ne Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	IVIC	ELKIN, NO	T MARKET RTH CAROLI 336-368-	NA 28621		DATE: 01.23.24	SHEET NO:
Washington Co.	NOTE: THESE DRAWINGS	APE VALID FOR (1) CAL	ENDAD VEAD	AFTED THE	ICCIE DAT	E LISTED ON	THIS SHEET	





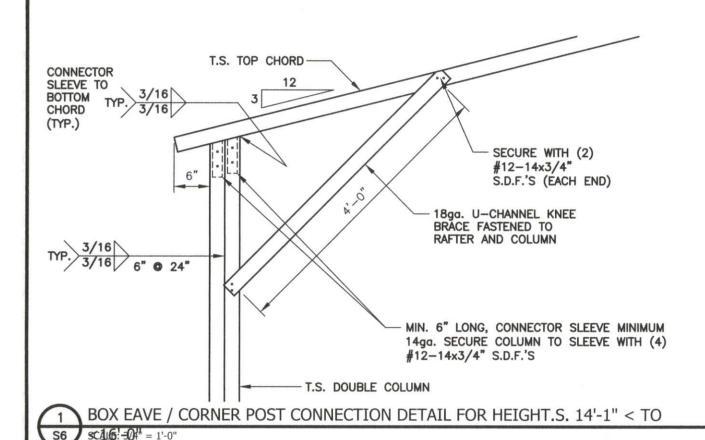


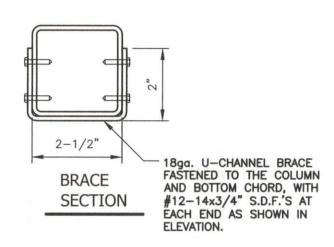
NOTE: H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x14ga. MATERIAL MAY BE USED FOR TRUSS METAL.



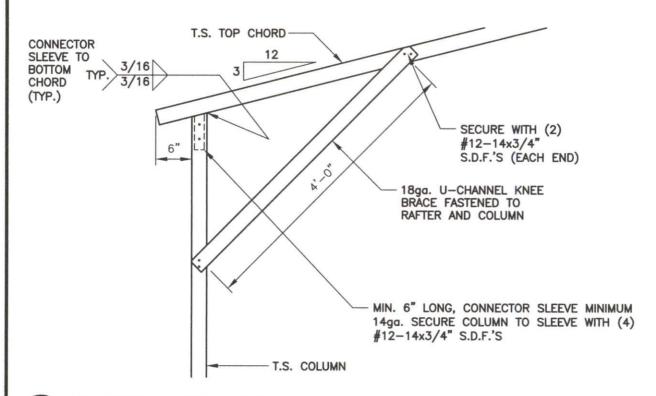
TYPICAL RAFTER / COLUMN SIDE FRAME SECTION





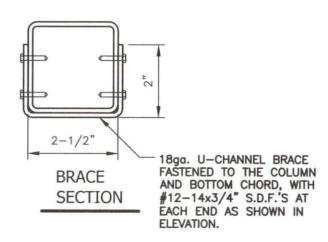




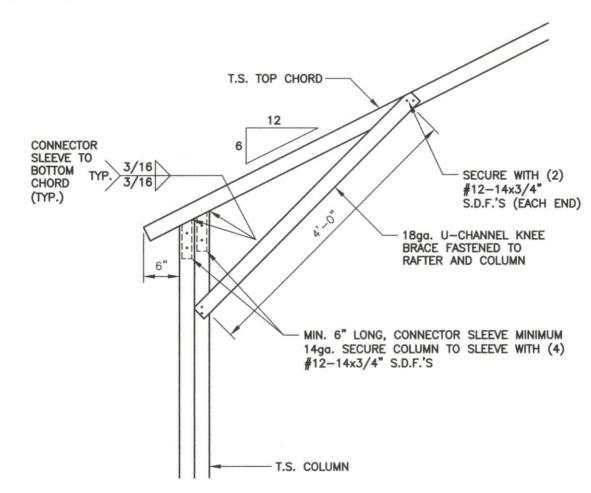


BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHT.S. < 14'-0"

S6A | SCALE: 3/4" = 1'-0"



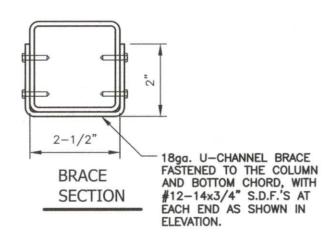




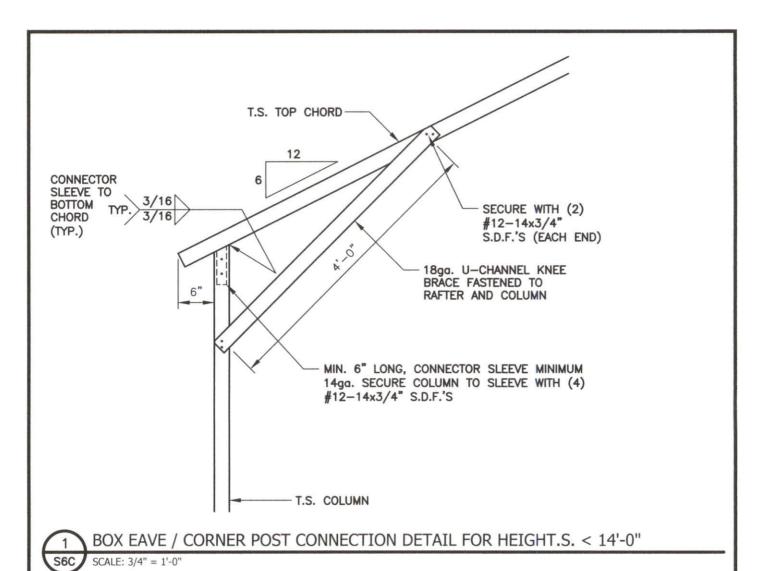
BOX EAVE / CORNER POST CONNECTION DETAIL FOR HEIGHT.S. 14'-1'' < TO

sc416:-04" = 1'-0"

S6C







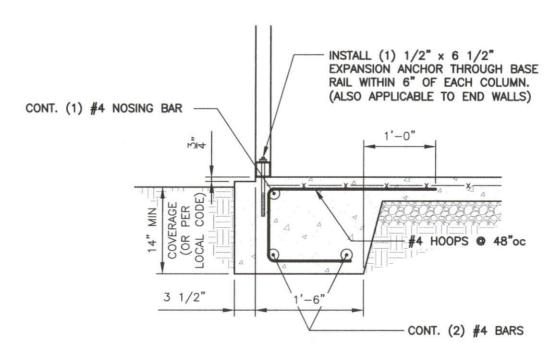
BRACE
SECTION

BRACE
SECTION

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

TAYLOR & VIOLA
STRUCTURAL ENGINEERS
P.O.B. 2616 HICKORY NORTH CAROLINA
TELE 828-328-6331 FAX \$28-322-1801
WWW. TAYLORVIOLA. COM CARPORTS NC DRAWN BY: PROJECT NO: BKS MISC GARAGES 116 EAST MARKET STREET JCMT Associates, PLLC DATE: SHEET NO: ELKIN, NORTH CAROLINA 28621 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277 01.23.24 S6C TELE: 336-368-0668

CONCRETE BASE RAIL ANCHORAGE





GENERAL NOTES:

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

CONCRETE:

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

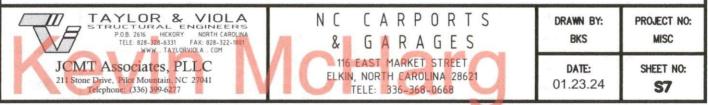
COVER OVER REINFORCING STEEL:

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

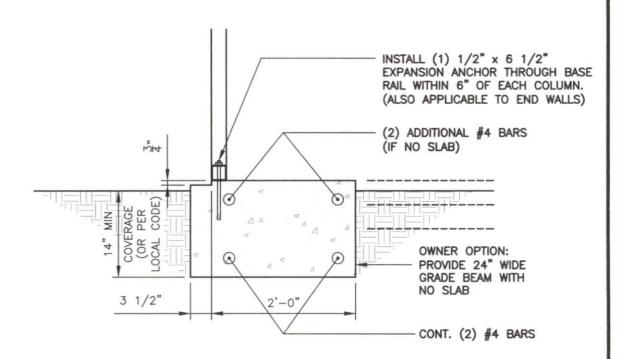
REINFORCING STEEL:

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

- REINFORCEMENT IS BENT COLD.
- 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.



CONCRETE BASE RAIL ANCHORAGE (NO SLAB)





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.

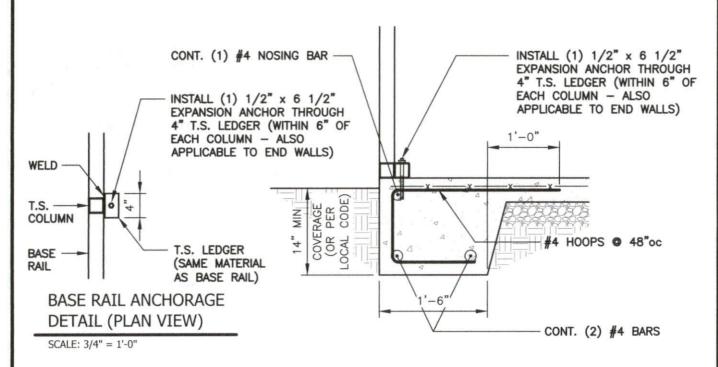
REINFORCING STEEL:

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.

- 1. REINFORCEMENT IS BENT COLD.
- 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.



CONCRETE BASE RAIL ANCHORAGE





GENERAL NOTES:

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

CONCRETE:

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

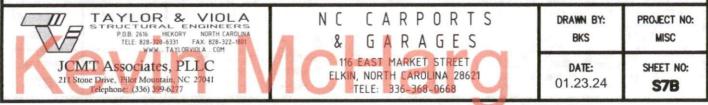
COVER OVER REINFORCING STEEL:

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

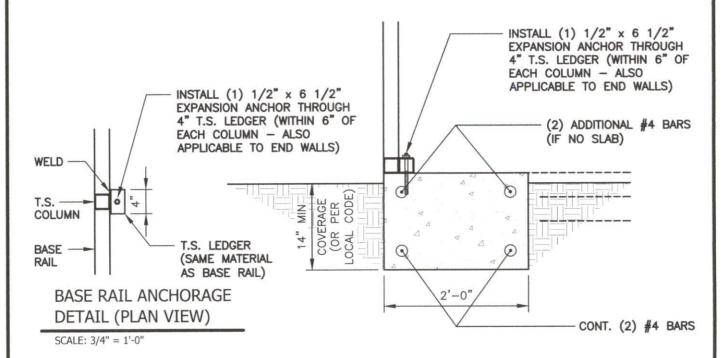
REINFORCING STEEL:

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

- 1. REINFORCEMENT IS BENT COLD.
- 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.



CONCRETE BASE RAIL ANCHORAGE (NO SLAB)





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.

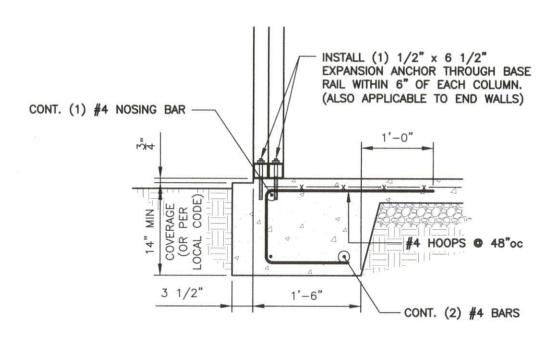
REINFORCING STEEL:

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.

- 1. REINFORCEMENT IS BENT COLD.
- 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.



CONCRETE BASE RAIL ANCHORAGE





GENERAL NOTES:

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

CONCRETE:

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

COVER OVER REINFORCING STEEL:

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

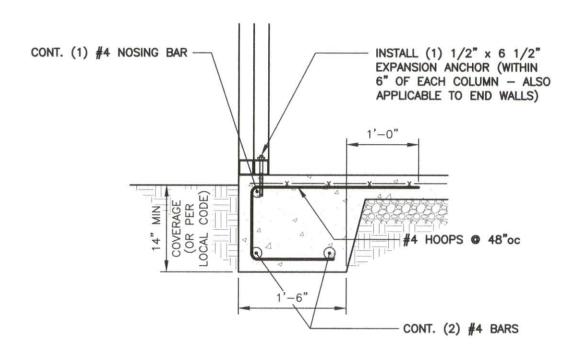
REINFORCING STEEL:

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 IS BENT COLD.
- 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.



CONCRETE BASE RAIL ANCHORAGE





GENERAL NOTES:

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

CONCRETE:

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

COVER OVER REINFORCING STEEL:

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

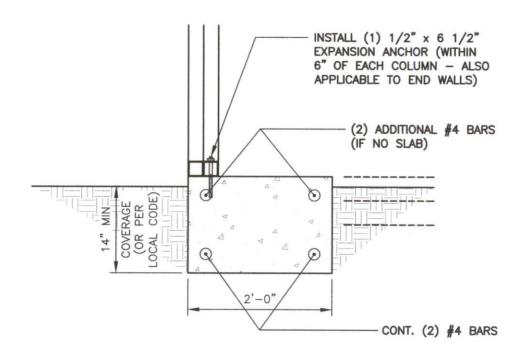
REINFORCING STEEL:

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

- REINFORCEMENT IS BENT COLD.
- 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.



CONCRETE BASE RAIL ANCHORAGE (NO SLAB)





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.

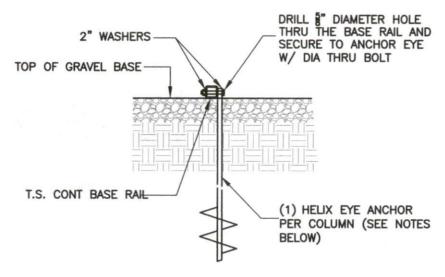
REINFORCING STEEL:

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.

- 1. REINFORCEMENT IS BENT COLD.
- 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.



SOIL NAIL BASE RAIL ANCHORAGE





HELIX EMBEDMENT INFORMATION:

FOR VERY DENSE OR CEMETED SANDS, COARSE GRAVEL, COBBLES, CALICHE, PRELOADED SILT.S. 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 SILT.S., 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 SILT.S., 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.

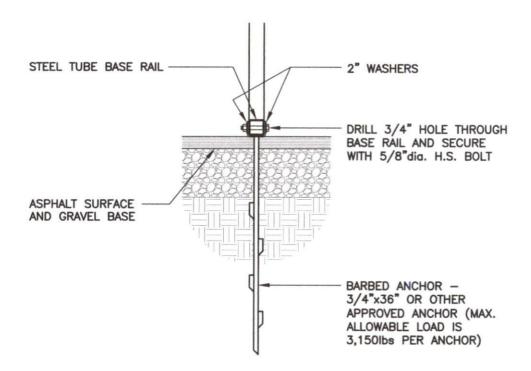
FOR VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILT.S. AND ALLUVIAL FILL, USE MIN (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT — ONE EACH END BASE RAIL AND 20'-0"oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

NOTE:

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



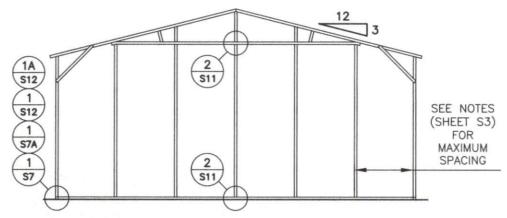
ASPHALT ANCHOR BASE RAIL ANCHORAGE





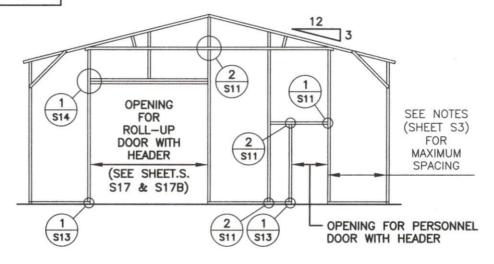


BOX EVE RAFTER END WALL OPENINGS



TYPICAL BOX EVE RAFTER / END WALL COLUMN FRAME SECTION

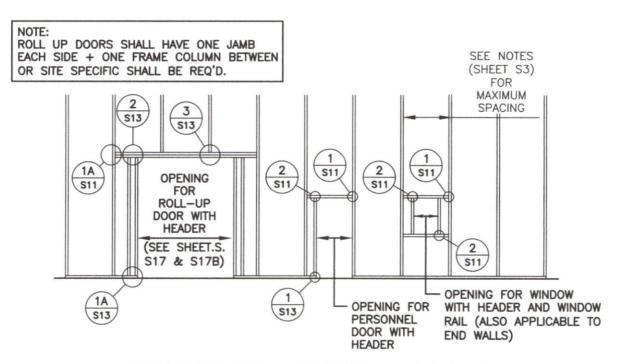
NOTE: ROLL UP DOORS SHALL HAVE ONE JAMB EACH SIDE + ONE FRAME COLUMN BETWEEN OR SITE SPECIFIC SHALL BE REQ'D.



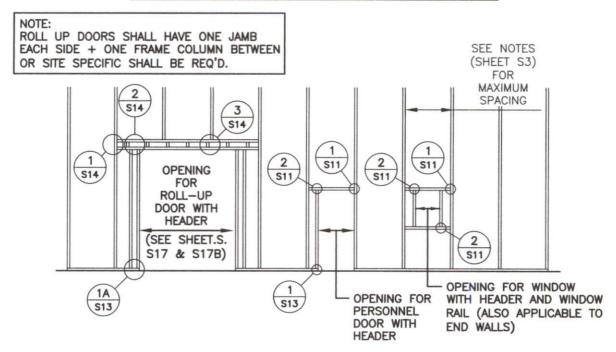
TYPICAL BOX EVE RAFTER END WALL OPENINGS FRAMING SECTION



BOX EVE RAFTER END WALL AND SIDE WALL OPENINGS

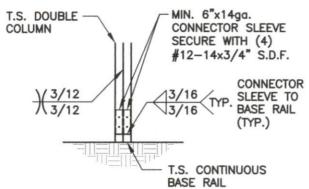


TYPICAL END WALL OPENING FRAMING SECTION



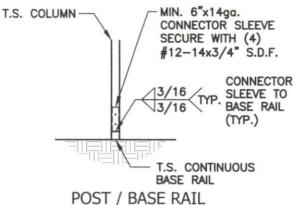
TYPICAL SIDE WALL OPENING FRAMING SECTION





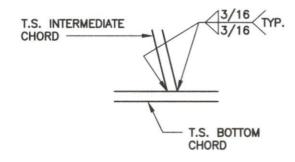
POST / BASE RAIL CONNECTION DETAIL S10

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



CONNECTION DETAIL

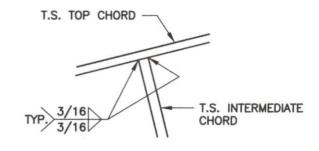
SCALE: 1/2" = 1'-0" S10



INTERMEDIATE CHORD TO BOTTOM CHORD CONNECTION DETAIL

S10

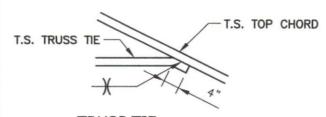
SCALE: 1/2" = 1'-0"



INTERMEDIATE CHORD TO TOP CHORD CONNECTION DETAIL

S10

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

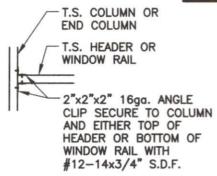


S10

TRUSS TIE CONNECTION DETAIL

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

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2516 HICKORY NORTH CAROLINA TELE 828-328-6331 FAX: 828-322-8811 WWW, TAYLORAUGH. COM	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO: \$10



COLUMN OR WINDOW RAIL / WALL GIRT TO POST CONNECTION DETAIL



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

1A

T.S. COLUMN OR END COLUMN T.S. DOUBLE HEADER \/3/12 / 3/12 2"x2"x2" 16ga. ANGLE CLIP SECURE TO COLUMN AND EITHER TOP OF HEADER OR BOTTOM OF WINDOW RAIL WITH #12-14x3/4" S.D.F.

COLUMN / DOUBLE HEADER CONNECTION DETAIL

S11

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

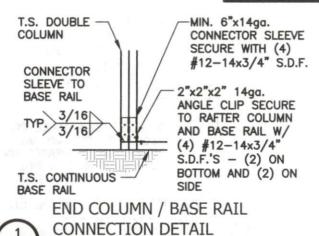
T.S. TRUSS RAFTER CHORD OR HEADER T.S. END POST OR DOOR WINDOW FRAME POST 2"x2"x2" 16ga. ANGLE CLIP SECURE TO POST NON-STRUCTURAL (EACH SIDE) AND HEADER, BASE RAFTER CHORD/RAIL RAIL, OR WINDOW RAIL WITH #12-14x3/4" S.D.F. (2) ON BOTTOM AND (2) ON SIDE

> DOOR OR WINDOW HEADER RAIL TO POST CONNECTION DETAIL



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

TAYLOR & VIOLA CARPORTS NC DRAWN BY: PROJECT NO: P.O.B. 2616 HICKORY NORTH CARO TELE: 828-328-6331 FAX: 828-322-1 WWW TAYLORVIOLA COM **BKS** MISC & GARAGES 116 EAST MARKET STREET JCMT Associates, PLLC DATE: SHEET NO: ELKIN, NORTH CAROLINA 28621 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277 01.23.24 **S11** TELE: 336-368-0668

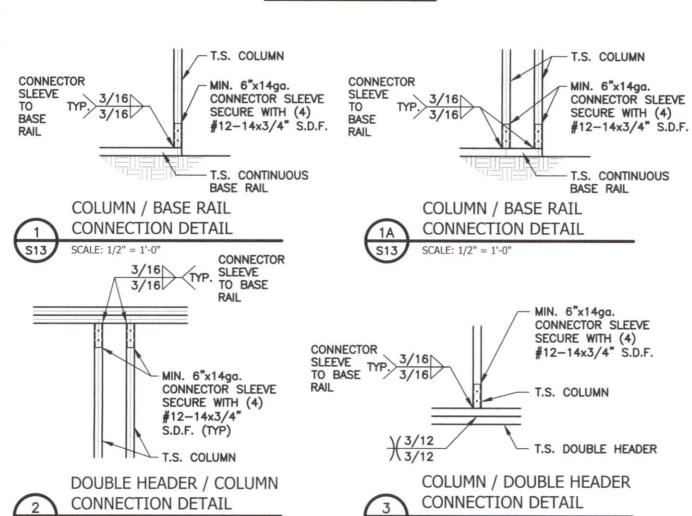


SCALE: 1/2" = 1'-0"

S12

T.S. DOUBLE -MIN. 6"x14ga. COLUMN CONNECTOR SLEEVE SECURE WITH (4) #12-14x3/4" S.D.F. CONNECTOR SLEEVE TO 2"x2"x2" 14ga. BASE RAIL ANGLE CLIP SECURE 3/16 TO RAFTER COLUMN 3/16 AND BASE RAIL W/ (4) #12-14x3/4" S.D.F.'S - (2) ON BOTTOM AND (2) ON T.S. CONTINUOUS SIDE BASE RAIL END COLUMN / BASE RAIL CONNECTION DETAIL SCALE: 1/2" = 1'-0" S12

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO: \$12

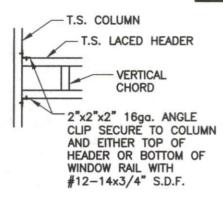


SCALE: 1/2" = 1'-0"

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

S13





T.S. LACED HEADER VERTICAL CHORD MIN. 6"x14ga. CONNECTOR SLEEVE SECURE WITH (4) #12-14x3/4" S.D.F. T.S. COLUMN

LACED HEADER / COLUMN

PROJECT NO:

MISC

SHEET NO:

S14

COLUMN / LACED HEADER CONNECTION DETAIL

S14

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

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

MIN. 6"x14ga. CONNECTOR SLEEVE SECURE WITH (4) #12-14x3/4" S.D.F. CONNECTOR 3/16 SLEEVE TO BASE TYP. 3/16 T.S. COLUMN RAIL VERTICAL CHORD

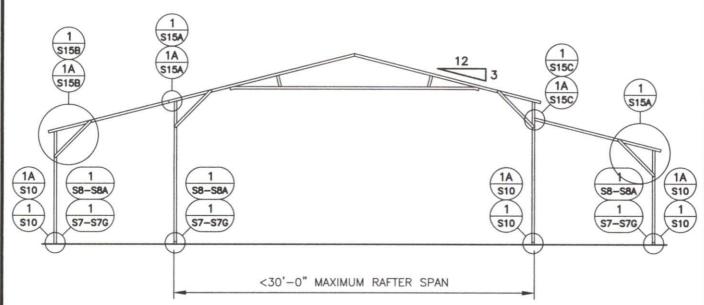
> COLUMN / LACED HEADER CONNECTION DETAIL

S14

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

TAYLOR & VIOLA CARPORTS NC DRAWN BY: P.O.B. 2616 HICKORY NORTH CAROLI TELE 828-328-6331 FAX: 828-322-180 WWW TAYLORVIOLA COM **BKS** GARAGES 116 EAST MARKET STREET JCMT Associates, PLLC DATE: ELKIN, NORTH CAROLINA 28621 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277 01.23.24 TELE: 336-368-0668

BOX EVE RAFTER LEAN-TO OPTIONS



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

MAXIMUM WIDTH OF SINGLE MEMBER ROOF EXTENSION AND LEAN-TO OPTION IS 12'-0"

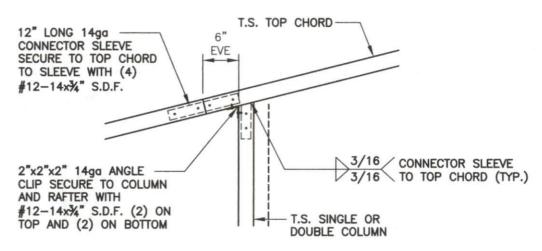
MAXIMUM WIDTH OF DOUBLE MEMBER ROOF EXTENSION AND LEAN-TO IS 15'-0"

12'-0" MAX. LEAN-TO HEIGHT WITH SINGLE COLUMN

16'-0" MAX. LEAN-TO HEIGHT WITH DOUBLE COLUMN

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.0.8 2616 HICKORY NORTH CAROLINA TELE 828-328-6331 FAX: 828-322-1801 WWW. TAYLORVIOLA COM	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilor Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO: \$15

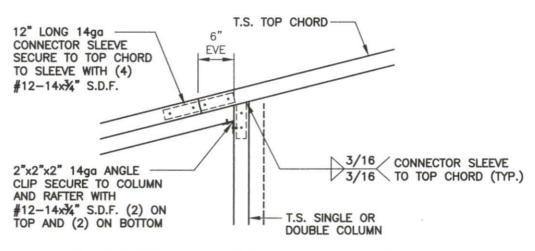
LEAN-TO CONNECTION DETAILS



ROOF EXTENSION RAFTER / CORNER POST DETAIL FOR WIDTHS < 12'-0"

1 S15A

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



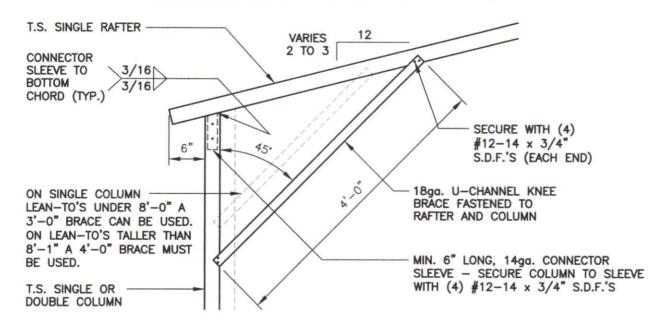
ROOF EXTENSION RAFTER / CORNER POST DETAIL FOR WIDTHS < 15'-0"

1A S15A

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

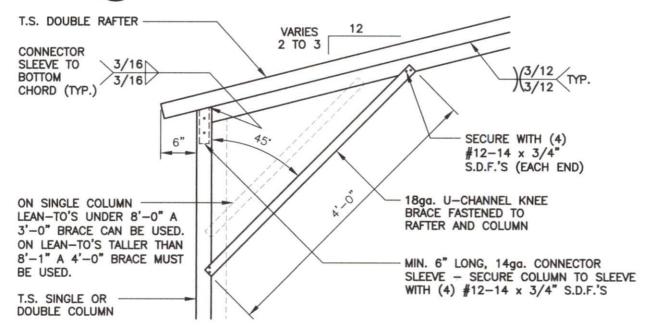
TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW. TAYLORAIDLA. COM	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO: S15A

LEAN-TO CONNECTION DETAILS - SINGLE COLUMN



LEAN-TO SINGLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

\$15B SCALE: 3/4" = 1'-0"



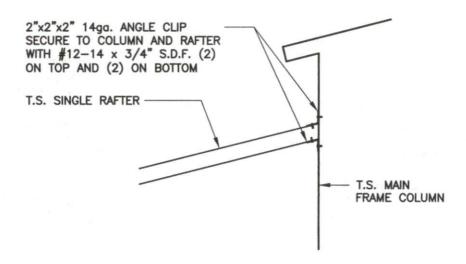
LEAN-TO DOUBLE RAFTER / SINGLE COLUMN CONNECTION DETAIL

1A S15B

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

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B 2616 HICKORY NORTH CAROLINA TELE 828-328-6331 FAX: 828-322-1801 WWW. TAYLORVIOLA . COM	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilor Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO: S15B

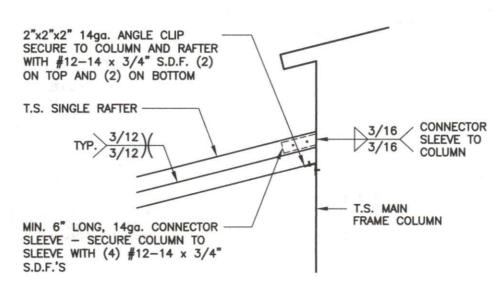
LEAN-TO / MAIN FRAME CONNECTION DETAILS



LEAN-TO SINGLE RAFTER / BUILDING FRAME CONNECTION DETAIL

1 S15C

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

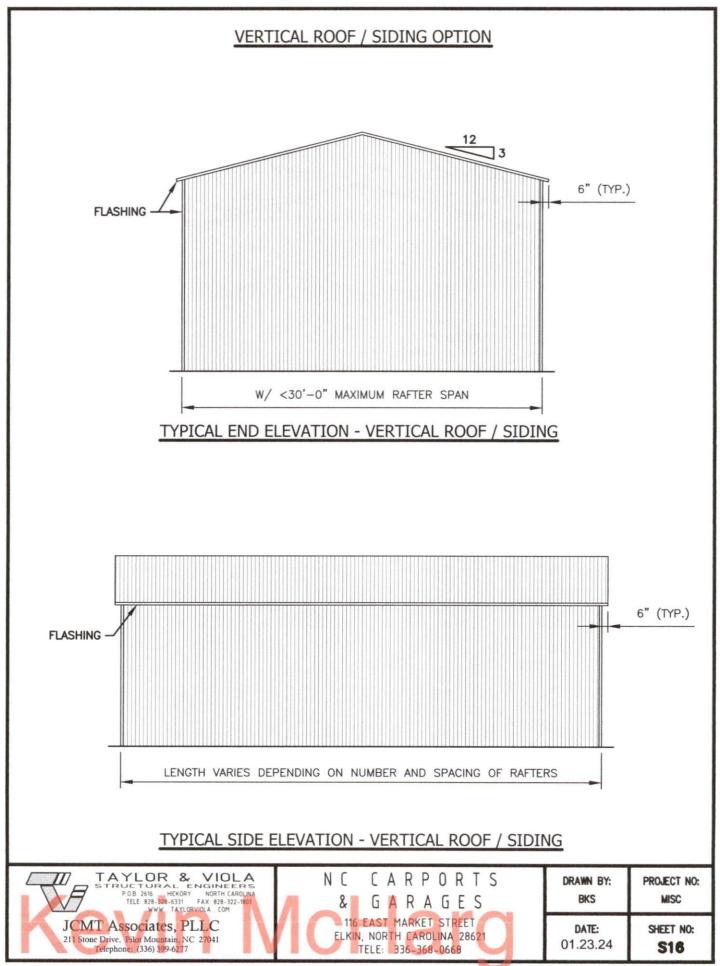


LEAN-TO DOUBLE RAFTER / BUILDING FRAME CONNECTION DETAIL

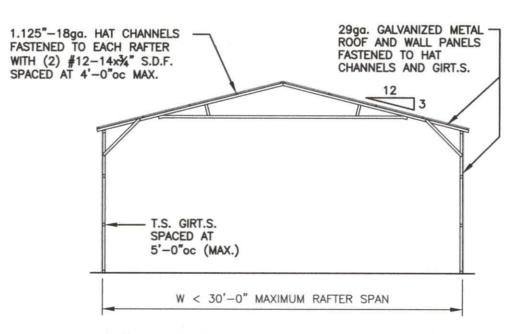


SCALE: 3/4" = 1'-0"

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE 828-388-6331 FAX: 828-322-1801	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-366-0668	DATE: 01.23.24	SHEET NO: S15C



VERTICAL ROOF / SIDING OPTION

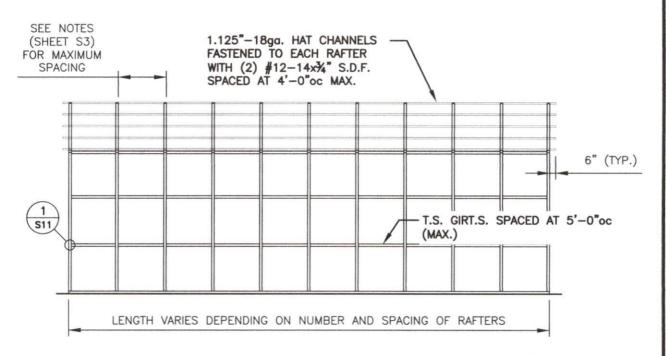


TYPICAL SECTION VERTICAL ROOF / SIDING OPTION

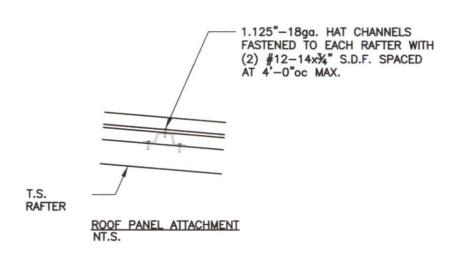
NOTE: H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x14ga. MATERIAL MAY BE USED FOR TRUSS METAL.



VERTICAL ROOF / SIDING OPTION

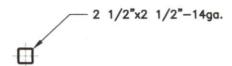


TYPICAL SIDE FRAMING SECTION VERTICAL ROOF / SIDING OPTION

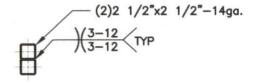




SIDE WALL HEADER OPTIONS



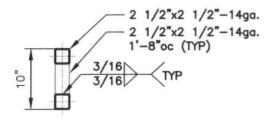
HEADER DETAIL FOR DOOR OPENINGS < 4'-0" NT.S.



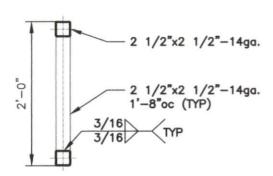
HEADER DETAIL FOR DOOR

OPENINGS 4'-1" < TO < 12'-0"

NT.S.



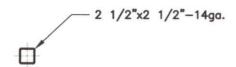
LACED HEADER DETAIL FOR DOOR OPENINGS 12'-1" < TO < 15'-0" NT.S.



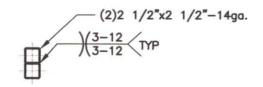
LACED HEADER DETAIL FOR DOOR OPENINGS 15'-1" < TO < 20'-0"

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE 828-326-6331 FAX 828-322-1801 WWW. TAYLORUIO.4 . COM	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive, Pilot Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH CAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO: \$17

END WALL HEADER OPTIONS



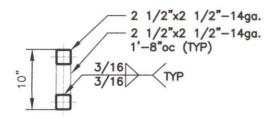
HEADER DETAIL FOR DOOR OPENINGS < 7'-0" NT.S.



HEADER DETAIL FOR DOOR

OPENINGS 7'-1" < TO < 16'-0"

NT.S.



<u>LACED HEADER DETAIL FOR DOOR OPENINGS 16'-1" < TO < 20'-0" NT.S.</u>

TAYLOR & VIOLA STRUCTURAL ENGINEERS P.O.B. 2616 HICKORY NORTH CAROLINA TELE: 828-328-6331 FAX: 828-322-1801 WWW. TAYLORVIOLA. COM	NC CARPORTS	DRAWN BY:	PROJECT NO:
	& GARAGES	BKS	MISC
JCMT Associates, PLLC 211 Stone Drive. Pilor Mountain, NC 27041 Telephone: (336) 399-6277	116 EAST MARKET STREET ELKIN, NORTH EAROLINA 28621 TELE: 336-368-0668	DATE: 01.23.24	SHEET NO: S17A