



STRUCTURAL DESIGN

ENCLOSED BUILDING

**MAXIMUM 30'- 0" WIDE X 20'- 0" HEIGHT-
BOX EAVE FRAME AND BOW FRAME**

13 June 2025

Revision 8

M&A Project No. 22270S/23160S/23355S/25002S/25108S/25178S

Prepared for:

**L&G Building and Concrete, LLC
1110 E. Salisbury Street
Asheboro, NC 27203**

Prepared by:

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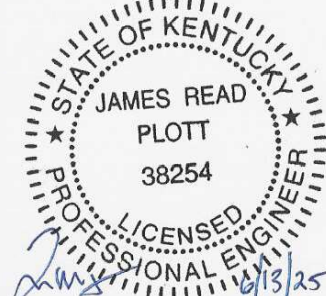
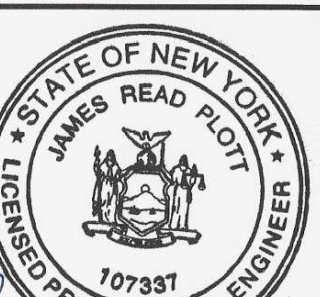
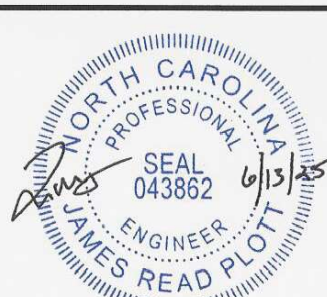
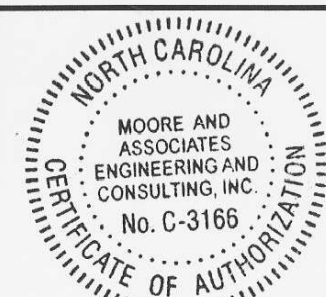
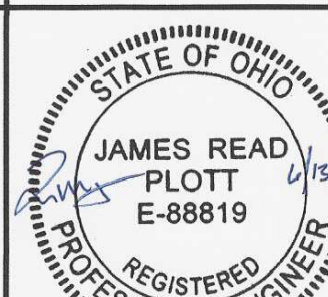
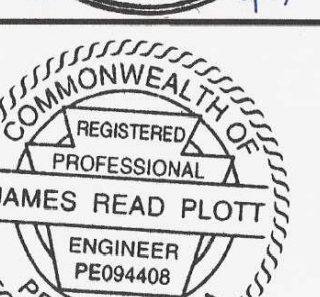
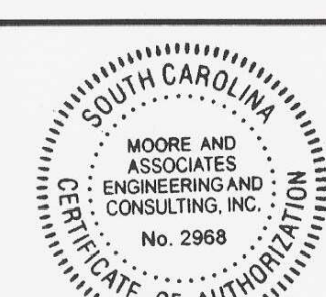


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Plans Expiration Date: 30 January 2026

Plans are valid for one year from issuance date

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MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 1

SCALE: NTS

DWG. NO: SK-3

JOB NO: 23160S/23355S/
25002S/25109S/25178S

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INSTALLATION NOTES AND SPECIFICATIONS

1. DESIGN IS FOR MAXIMUM 30'-0" WIDE x 20'-0" EAVE HEIGHT ENCLOSED STRUCTURES.
2. DESIGN WAS DONE IN ACCORDANCE WITH ALL THE APPLICABLE BUILDING CODES LISTED ON SHEET 3A.
3. DESIGN LOADS ARE AS FOLLOWS:
 - A) ROOF DEAD LOADS:
 - SELF-WEIGHT = 1.5 PSF
 - MEP = 0 PSF
 - COLLATERAL = 0 PSF
 - B) ROOF LIVE LOAD = 12 PSF
 - C) FLOOR LIVE LOAD = 100 PSF (4' CONCRETE SLAB/FOOTING)
 - D) GROUND SNOW LOAD = 45 PSF
 - = 20 PSF WITH U-CHANNEL PEAK BRACE (W ≤ 16'-0")

NOTE: UNBALANCED LOADING DUE TO SNOW DRIFT/SLIDING FROM AN ADJACENT TALLER STRUCTURE HAS NOT BEEN EVALUATED. DROP-DOWN LEAN-TO'S (THOSE CAUSING A HEIGHT DIFFERENTIAL FROM THE MAIN STRUCTURE) SHALL ONLY BE USED FOR GROUND SNOW LOADS ≤ 30 PSF.
4. 3-SECOND GUST ULTIMATE WIND SPEED (V_{ULT}) = ≤ 145 MPH (NOMINAL WIND SPEED = ≤ 112 MPH).
5. MAXIMUM RAFTER/COLUMN AND END COLUMN SPACING = 5.0 FEET (UNLESS NOTED OTHERWISE).
6. END WALL COLUMNS (POSTS) ARE EQUIVALENT TO SIDE WALL COLUMNS IN SIZE AND SPACING (UNLESS NOTED OTHERWISE).
7. RISK CATEGORY I (NOT FOR HUMAN OCCUPANCY).
8. WIND EXPOSURE CATEGORY B/C.
9. STRUCTURAL ANALYSIS/DESIGN IS BASED ON 2 1/2"x2 1/2"-14 GA. TUBE STEEL (TS) MEETING THE REQUIREMENTS OF ASTM A653 GRADE 50 WITH MINIMUM YIELD STRENGTH (F_y) OF 50 KSI AND GALVANIZING MEETING THE MINIMUM REQUIREMENTS OF G60. 2 1/4"x2 1/4"-12 GA. TS MAY BE USED AS AN ALTERNATIVE.
10. SPECIFICATIONS APPLICABLE TO 26 OR 29 GAUGE METAL ROOF PANELS FASTENED DIRECTLY TO 1.25" - 18 GA. HAT CHANNEL OR TS 2 1/2"x2 1/2"-14 GAUGE.
11. SPECIFICATIONS APPLICABLE TO 26 OR 29 GAUGE METAL WALL PANELS FASTENED DIRECTLY TO 1.25" - 18 GA. HAT CHANNEL OR TS 2 1/2"x2 1/2"-14 GAUGE.
12. CONNECTOR SLEEVES ARE MINIMUM 6" LONG, TS 2 1/4"x2 1/4"-14 GAUGE FOR 2 1/2"x2 1/2"-14 GAUGE FRAMING MEMBERS AND 2"x2"-14 GAUGE FOR 2 1/4"x2 1/4"-12 GAUGE (UNLESS NOTED OTHERWISE).
13. AVERAGE PANEL FASTENER SPACING ON-CENTERS = 9" INCHES.
14. FASTENERS CONSIST OF #12-14x3/4" SELF-DRILLING FASTENER (SDF), USE CONTROL SEAL WASHER WITH EXTERIOR FASTENERS. SPECIFICATIONS APPLICABLE ONLY FOR ROOF SLOPES OF 14° (3:12 PITCH) OR LESS. ROOF SLOPES LESS THAN 3:12 REQUIRE USE OF JOINT SEALANT.
15. ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH COLUMN (LEG).
16. CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR STRUCTURE SO THAT IT WILL BE STABLE DURING ALL STAGES OF CONSTRUCTION. THE STRUCTURE AND FOUNDATIONS ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND, THEREFORE, REQUIRE ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION.
17. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:
 - SOIL SITE CLASS = D
 - RISK CATEGORY I
 - $R = 3.25$ $I_E = 1.0$
 - $S_{DS} = 2.625 g$ $V = C_S W$
 - $S_{DI} = 2.13 g$
18. IF MORE THAN 50% OF COLUMNS (LEGS) ARE REMOVED IN ANY LONGITUDINAL (SIDE) WALLS OF A BUILDING, THE ENGINEER IS TO BE NOTIFIED TO DETERMINE WHETHER PORTAL FRAMES OR OTHER LONGITUDINAL STABILITY ELEMENTS WILL BE REQUIRED.
19. ANALYSIS/DESIGN OF THIS STRUCTURE WAS BASED ON THE LOADS, BUILDING CODE, AND STRUCTURAL GEOMETRY NOTED HEREIN. NO CHANGES SHALL BE MADE TO THE STRUCTURE WITHOUT EXPRESS WRITTEN PERMISSION FROM THE DESIGN ENGINEER. ANY CHANGES IN THE USE OR GEOMETRY OF THE STRUCTURE IN ANY MANNER IS A VIOLATION OF THE BUILDING CODE AND NEGATES ANY LIABILITY ON THE PART OF MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.
20. USE E70 ELECTRODES FOR WELDED CONNECTIONS. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.3.
21. WHEN USING GENERIC MASTER DESIGNS TO OBTAIN BUILDING PERMIT, IT MUST BE ACCOMPANIED BY SUFFICIENT ADDITIONAL INFORMATION TO INDICATE THE LOCATION, NATURE, AND EXTENT OF THE CONSTRUCTION AND SHOW IN DETAIL THAT IT WILL CONFIRM TO ALL APPLICABLE CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS.
22. WHEN APPLYING FOR BUILDING PERMIT, THE BUILDING OFFICIAL MUST BE CONSULTED TO VERIFY WHETHER THE USE OF THE MASTER DESIGN IS ADEQUATE OR IF A SITE-SPECIFIC DESIGN IS REQUIRED FOR OBTAINING A BUILDING PERMIT. GENERIC MASTER DESIGNS CAN NOT BE USED WHERE A SITE-SPECIFIC DESIGN IS REQUIRED.
23. ANY VARIATION FROM THE ANALYSIS/DESIGN PARAMETERS OF THE MASTER DESIGN REQUIRES THE DEVELOPMENT OF A SITE-SPECIFIC DESIGN.

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LIST OF APPLICABLE BUILDING CODES

2021 INTERNATIONAL BUILDING CODE (IBC 2021)

2018 INTERNATIONAL BUILDING CODE (IBC 2018)

2015 INTERNATIONAL BUILDING CODE (IBC 2015)

2012 INTERNATIONAL BUILDING CODE (IBC 2012)

GEORGIA STATE MINIMUM STANDARD BUILDING CODE 2018
(ADOPTS THE IBC 2018 WITH AMENDMENTS)INDIANA BUILDING CODE, 2014 EDITION
(ADOPTS THE IBC 2012 WITH AMENDMENTS)KENTUCKY BUILDING CODE 2018
(ADOPTS THE IBC 2015 WITH AMENDMENTS)MARYLAND BUILDING CODE 2021
(ADOPTS THE IBC 2021 WITH AMENDMENTS)
(IBC 2006, IBC 2015 IBC 2018, IBC 2021
(DEPENDENT UPON LOCAL JURISDICTION))NEW JERSEY UCC BUILDING SUBCODE 2021
(ADOPTS THE IBC 2021 WITH AMENDMENTS)NEW YORK STATE BUILDING CODE 2020
(ADOPTS THE IBC 2018 WITH AMENDMENTS)NORTH CAROLINA BUILDING CODE 2018
(ADOPTS THE IBC 2015 WITH AMENDMENTS)OHIO BUILDING CODE 2024
(ADOPTS THE IBC 2021 WITH AMENDMENTS)PENNSYLVANIA BUILDING CODE 2018
(ADOPTS THE IBC 2018 WITH AMENDMENTS)
PHILADELPHIA BUILDING CODE 2018
(ADOPTS THE IBC 2018 WITH AMENDMENTS)SOUTH CAROLINA BUILDING CODE 2021
(ADOPTS THE IBC 2021 WITH AMENDMENTS)VIRGINIA UNIFORM STATEWIDE BUILDING CODE, PART I,
CONSTRUCTION/VIRGINIA CONSTRUCTION CODE (VCC)
(ADOPTS THE IBC 2021 WITH AMENDMENTS)WEST VIRGINIA BUILDING CODE 2018
(ADOPTS THE IBC 2018 WITH AMENDMENTS)**Validity Notice**Plans Expiration Date:**30 January 2026****MOORE AND ASSOCIATES
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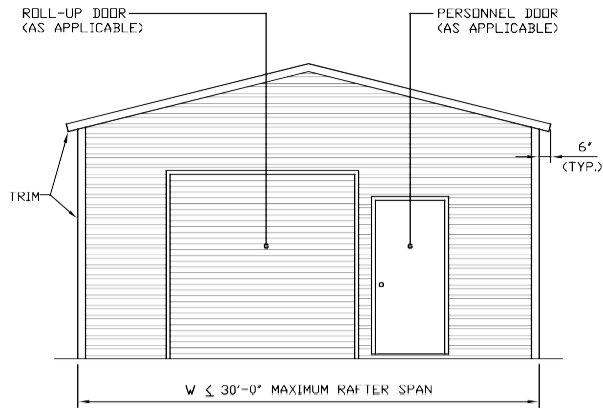
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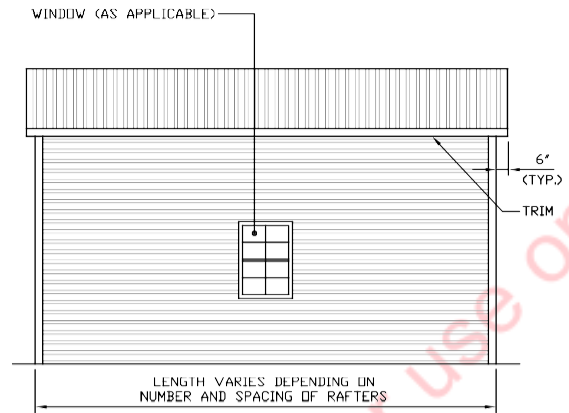
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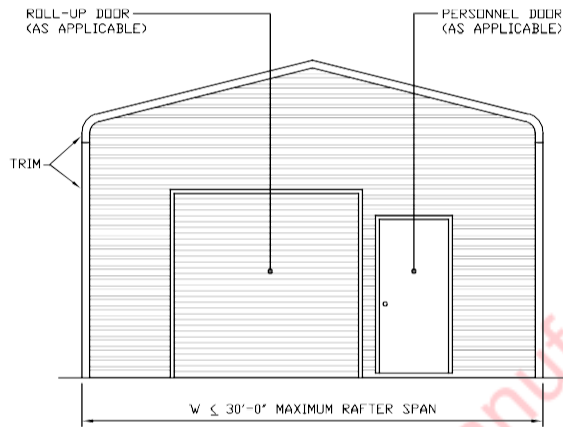
TYPICAL END AND SIDE ELEVATIONS**BOX EAVE FRAME RAFTER STRUCTURE**

TYPICAL END ELEVATION
SCALE: NTS



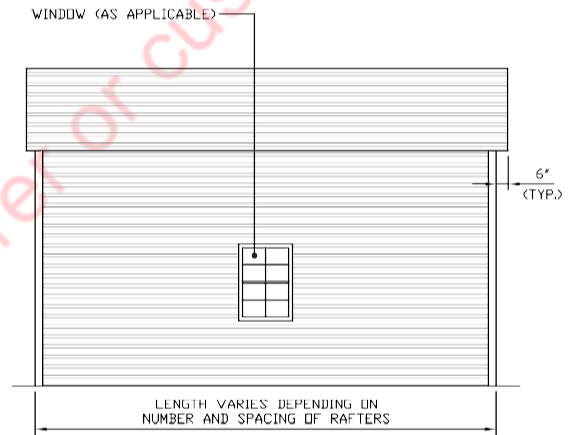
TYPICAL SIDE ELEVATION
SCALE: NTS

NOTE: HORIZONTAL ROOF PANELING ONLY APPLICABLE FOR EXPOSURE B AREAS WITH WIND SPEEDS ≤ 140 MPH AND GROUND SNOW LOADS ≤ 30 PSF.

BOW FRAME RAFTER STRUCTURE

TYPICAL END ELEVATION
SCALE: NTS

NOTE: BOW FRAME PANELING ONLY APPLICABLE FOR EXPOSURE B AREAS WITH WIND SPEEDS ≤ 140 MPH AND GROUND SNOW LOADS ≤ 30 PSF.



TYPICAL SIDE ELEVATION
SCALE: NTS

NOTE: BOW FRAME PANELING ONLY APPLICABLE FOR EXPOSURE B AREAS WITH WIND SPEEDS ≤ 140 MPH AND GROUND SNOW LOADS ≤ 30 PSF.

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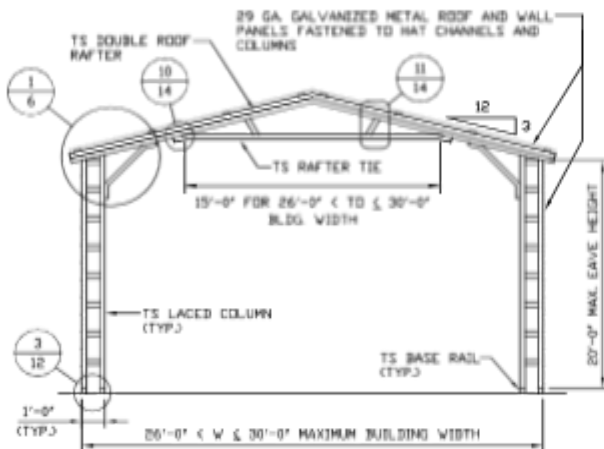
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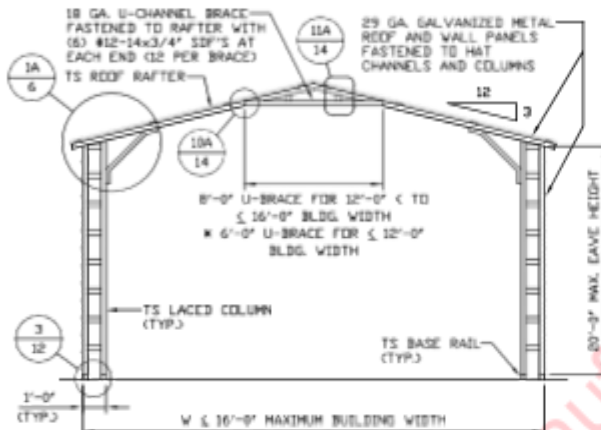
TYPICAL RAFTER/COLUMN FRAME AND SIDE FRAMING SECTION (BOX EAVE STRUCTURE)



TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

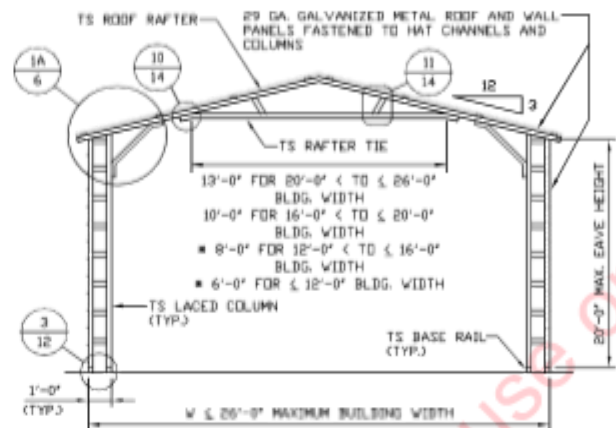
NOTE: FOR GROUND SNOW LOADS ≤ 30 PSF A SINGLE RAFTER CAN BE USED FOR W ≤ 30'-0". IN THIS CASE PLEASE REFER TO DETAILS 1A, 1C, 1E AND 1G.



TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

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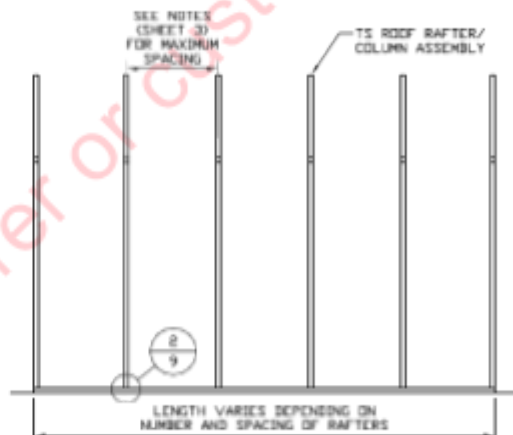
NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

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TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

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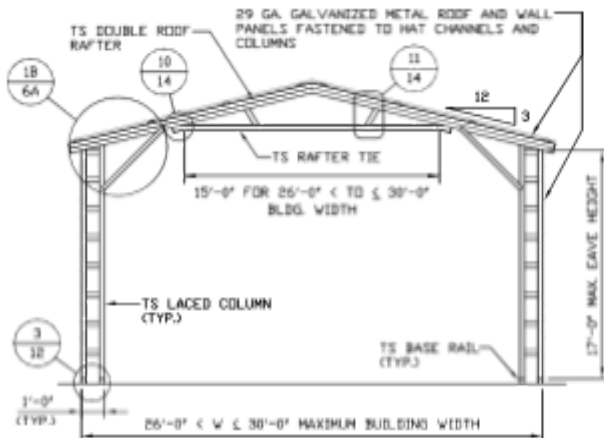
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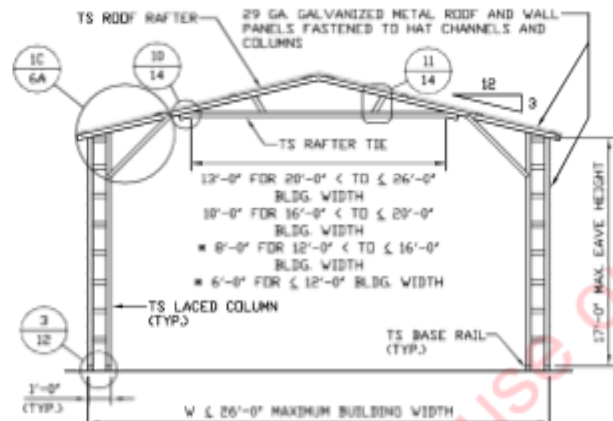
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TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

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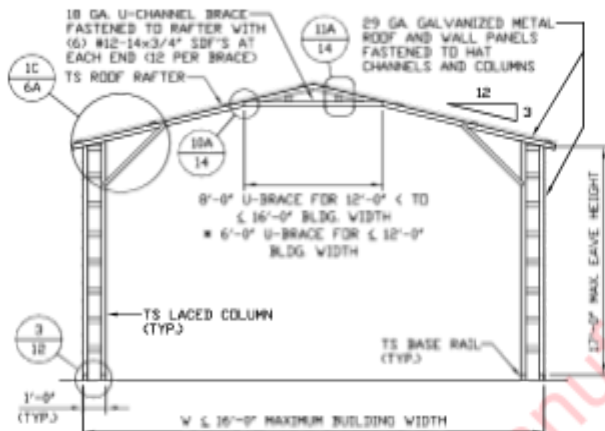
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TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

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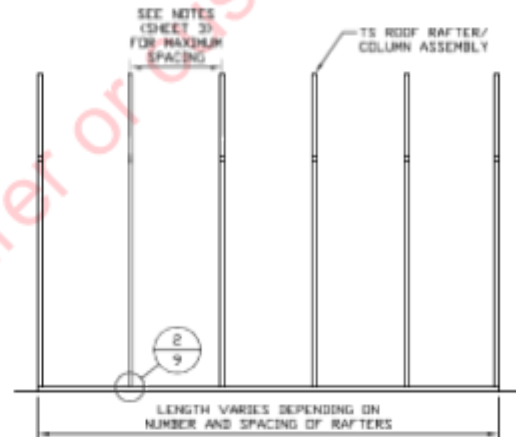
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TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

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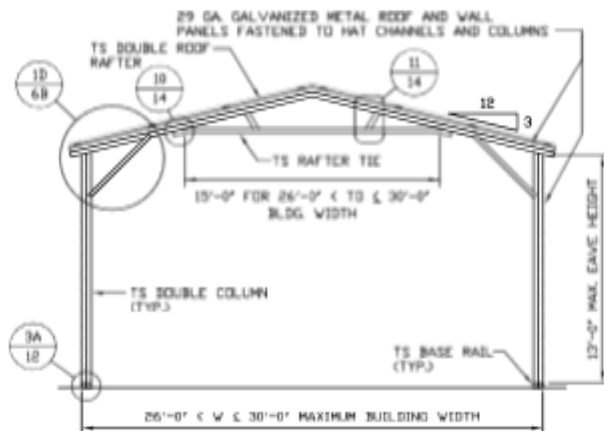
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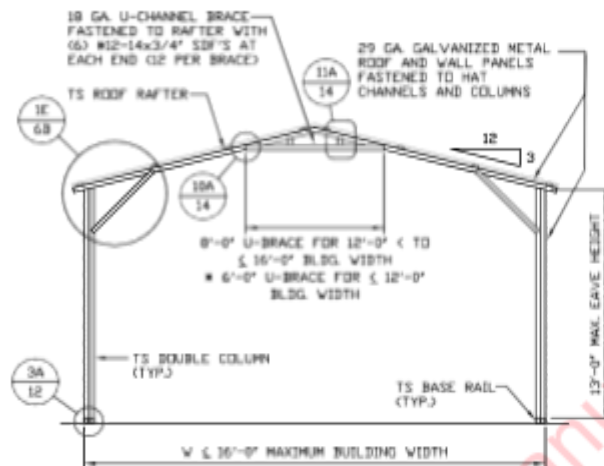
TYPICAL RAFTER/COLUMN FRAME AND SIDE FRAMING SECTION (BOX EAVE STRUCTURE)



FRAMING SECTION
TYPICAL INTERIOR RAFTER/COLUMN

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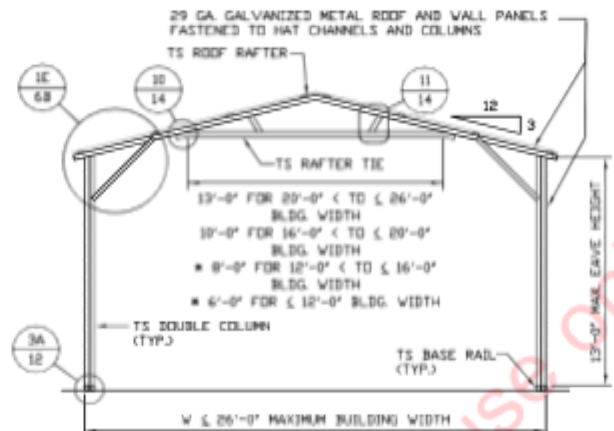
NOTE: FOR GROUND SNOW LOADS < 30 PSF A SINGLE RAFTER CAN BE USED FOR W < 30'-0". IN THIS CASE PLEASE REFER TO DETAILS 1A, 1C, 1E AND 1G.



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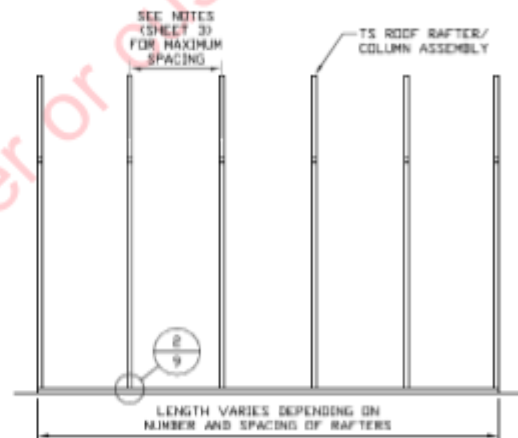
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SCALE: NTS

* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL RAFTER/COLUMN SIDE FRAMING
SECTION

SCALE: NTS

Validity Notice

Plans Expiration Date:

30 January 2026

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 5B

SCALE: NTS

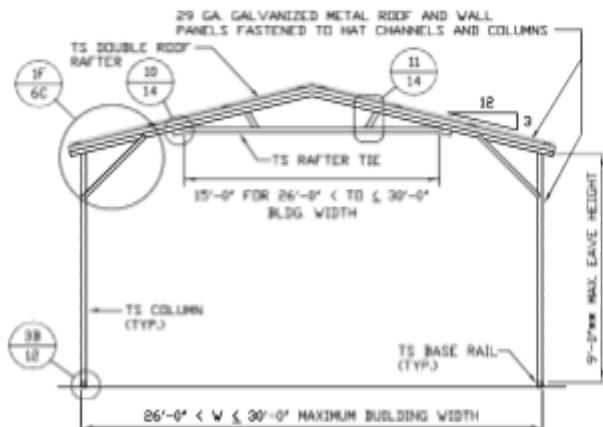
DWG. NO: SK-3

JOB NO: 23160S/23355S/
25002S/25108S/25178S

REV: 8

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TYPICAL RAFTER/COLUMN FRAME AND SIDE FRAMING SECTION (BOX EAVE STRUCTURE)

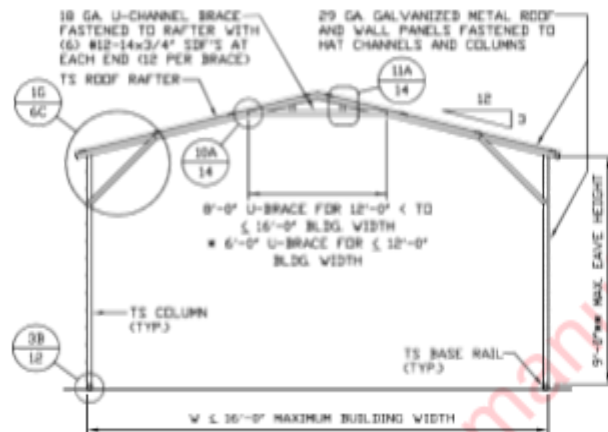


TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

NOTE: FOR GROUND SNOW LOADS ≤ 30 PSF A SINGLE RAFTER CAN BE USED FOR $W \leq 30'-0"$. IN THIS CASE PLEASE REFER TO DETAILS 1A, 1C, 1E AND 1G.

XX NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR EXPOSURE B WITH GROUND SNOW LOAD ≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.

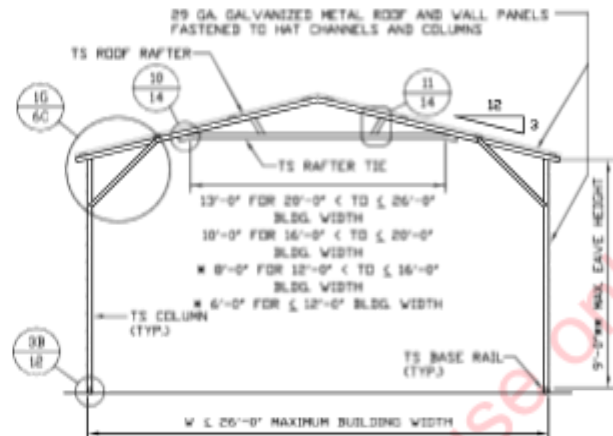


TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.

XX NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR EXPOSURE B WITH GROUND SNOW LOAD ≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.

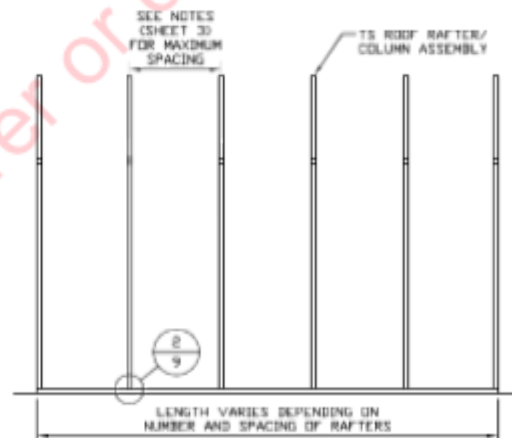


TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.

XX NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR EXPOSURE B WITH GROUND SNOW LOAD ≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

Validity Notice

Plans Expiration Date:

30 January 2026

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 5C

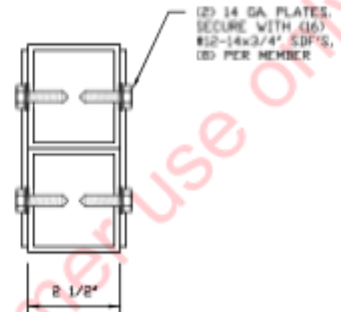
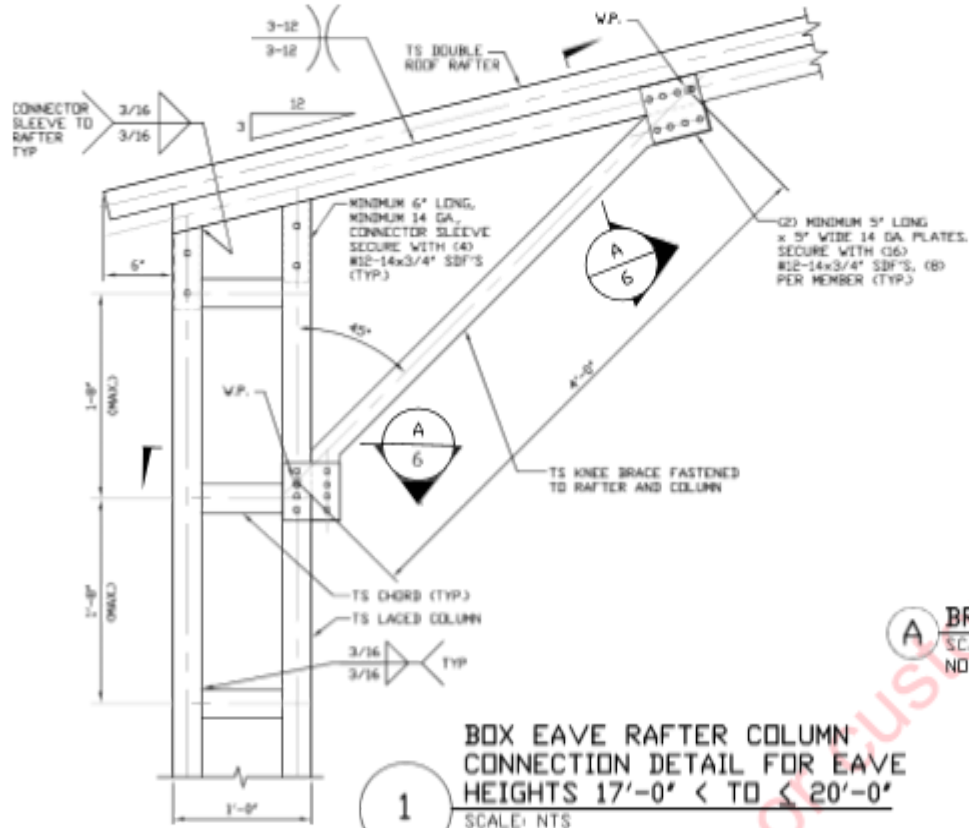
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DWG. NO: SK-3

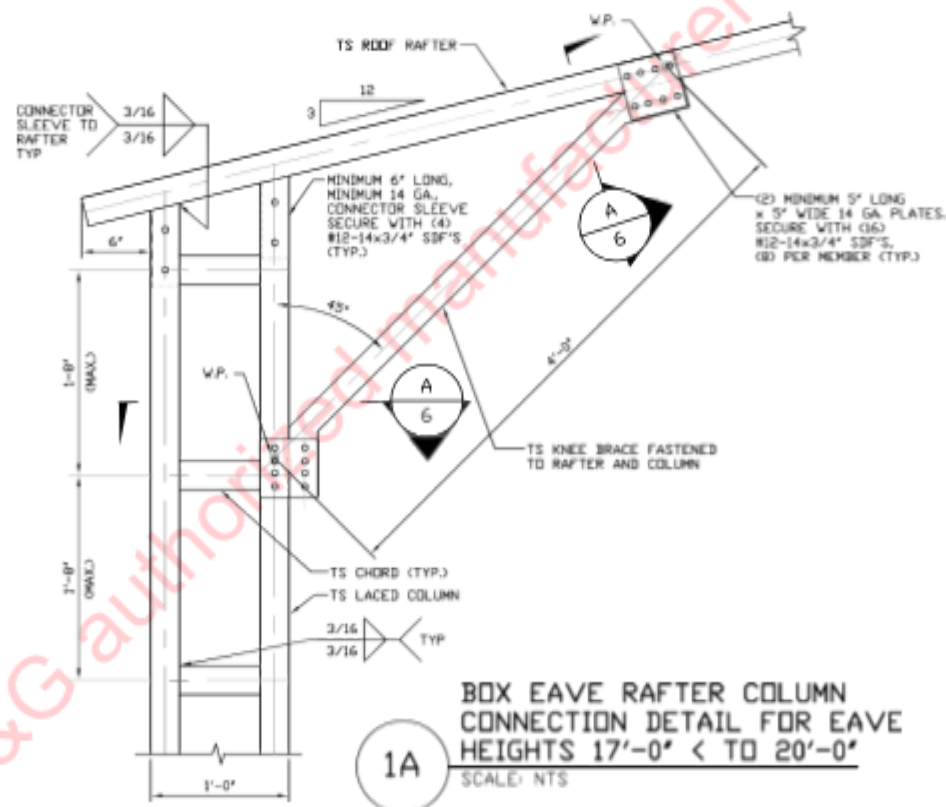
JOB NO: 231605/233555/
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COLUMN CONNECTION DETAILS (BOX EAVE STRUCTURE)

A BRACE SECTION
SCALE: NTS
NOTE: DOUBLE ROOF RAFTER AND LACED COLUMN NOT SHOWN FOR CLARITY.



Validity Notice

Plans Expiration Date:

30 January 2026

**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

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CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 6

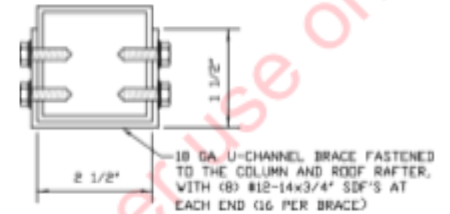
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DWG. NO SK-3

JOB NO: 231605/233555/
250025/251085/251785

REV: 8

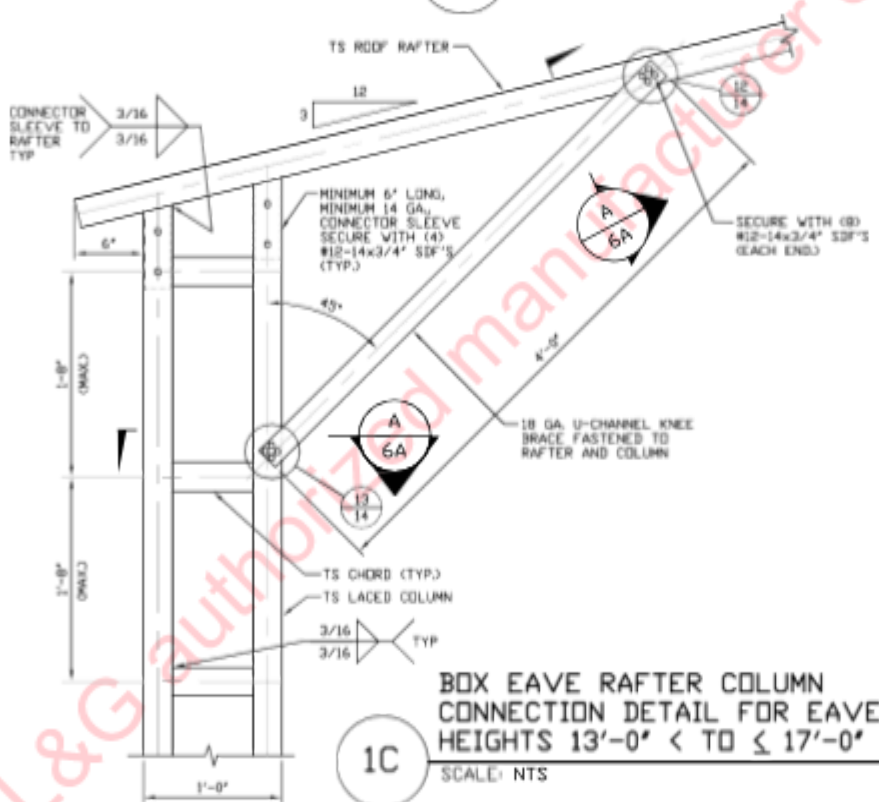
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[illegible]

BRACE SECTION

SCALE: NTS

NOTE: DOUBLE ROOF RAFTER
AND LACED COLUMN NOT
SHOWN FOR CLARITY.



30 January 2026

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

CLIENT: L&G BUILDINGS

SHT. 6A

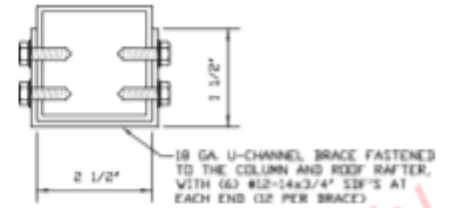
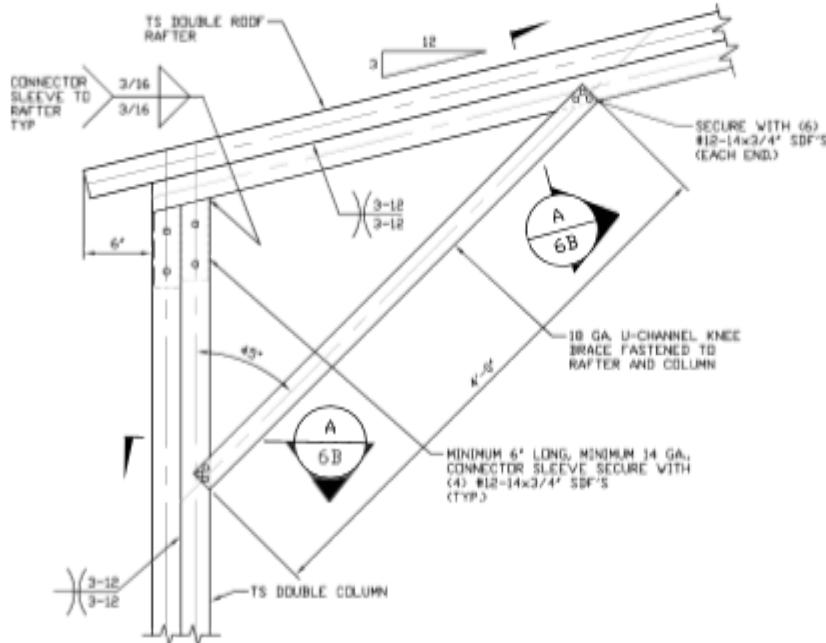
DWG. NO. SK-3

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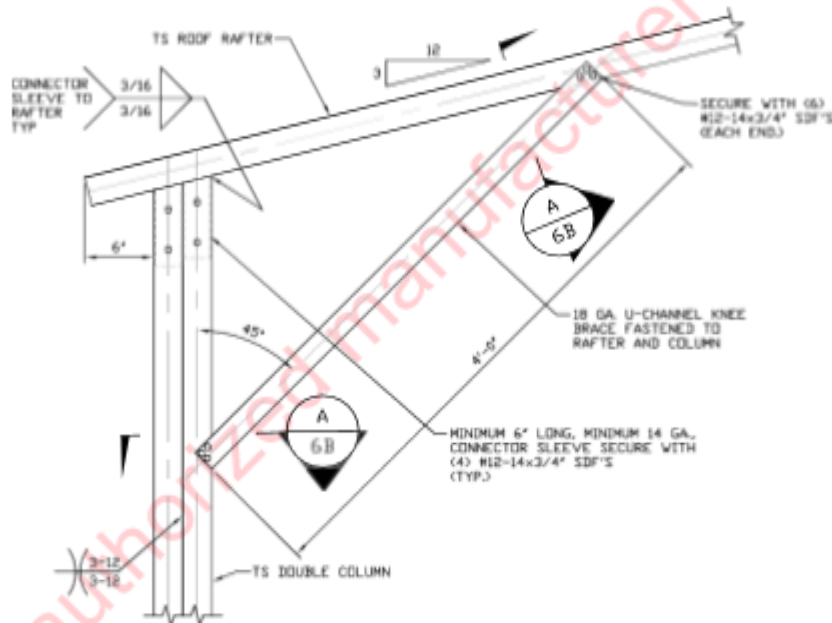
COLUMN CONNECTION DETAILS (BOX EAVE STRUCTURE)



A BRACE SECTION
SCALE: NTS
NOTE: DOUBLE ROOF RAFTER AND DOUBLE COLUMN NOT SHOWN FOR CLARITY.

1D

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR EAVE HEIGHTS 9'-0" < TO ≤ 13'-0"
SCALE: NTS



1E

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR EAVE HEIGHTS 9'-0" < TO ≤ 13'-0"
SCALE: NTS

Validity Notice

Plans Expiration Date:

30 January 2026

**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 6B

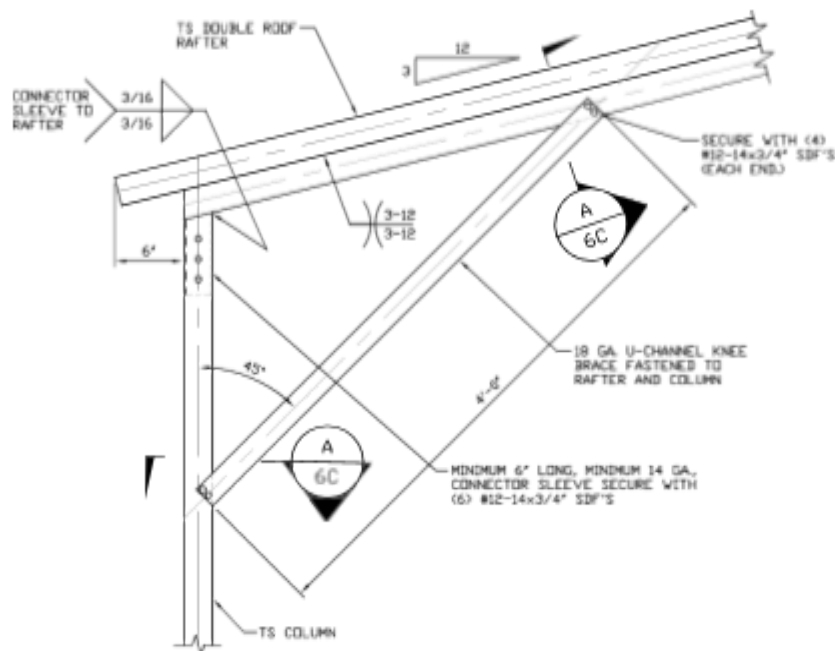
SCALE: NTS

DWG. NO: SK-3

**JOB NO: 23160S/23355S/
25002S/25108S/25178S**

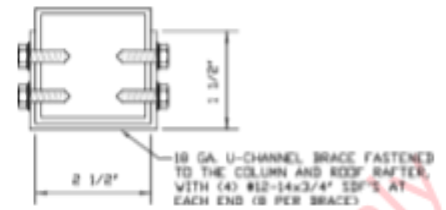
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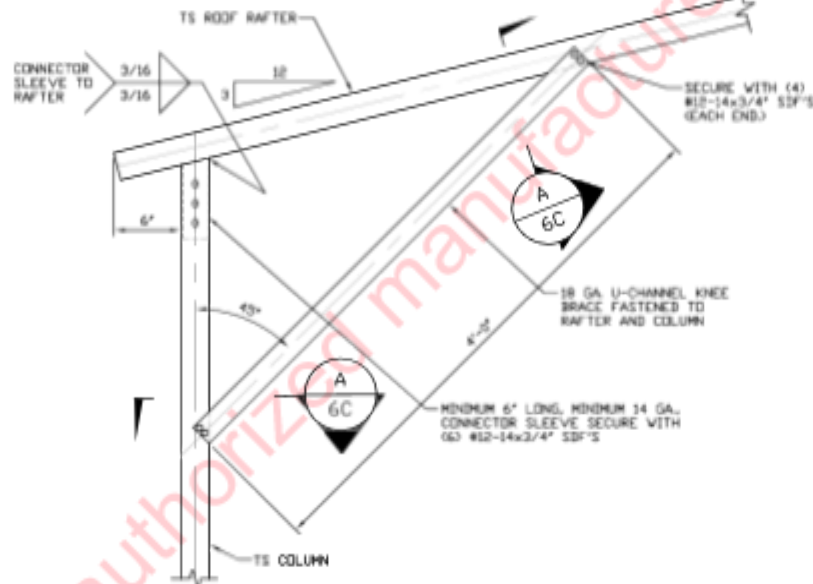
COLUMN CONNECTION DETAILS (BOX EAVE STRUCTURE)**BOX EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS < 9'-0"**

1F

SCALE: NTS

NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR
EXPOSURE B WITH GROUND SNOW LOAD
≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.**A BRACE SECTION**

SCALE: NTS

NOTE: DOUBLE ROOF RAFTER
NOT SHOWN FOR CLARITY.**BOX EAVE RAFTER COLUMN
CONNECTION DETAIL FOR
HEIGHTS < 9'-0"**

1G

SCALE: NTS

NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR
EXPOSURE B WITH GROUND SNOW LOAD
≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.**Validity Notice**

Plans Expiration Date:

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DATE: 6-13-25

SHT. 6C

SCALE: NTS

DWG. NO. SK-3

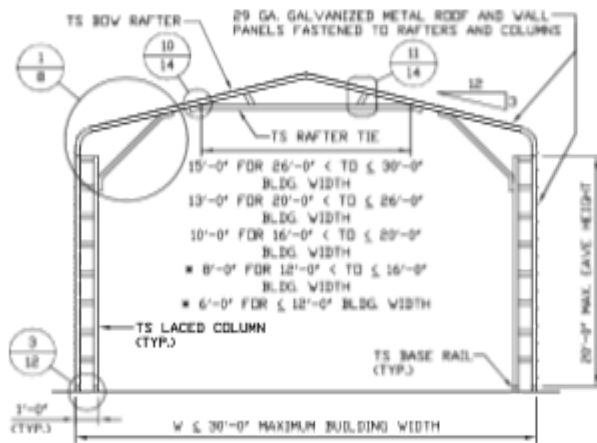
JOB NO: 23160S/23355S/
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TYPICAL RAFTER/COLUMN FRAME AND SIDE FRAMING SECTION (BOW STRUCTURE)

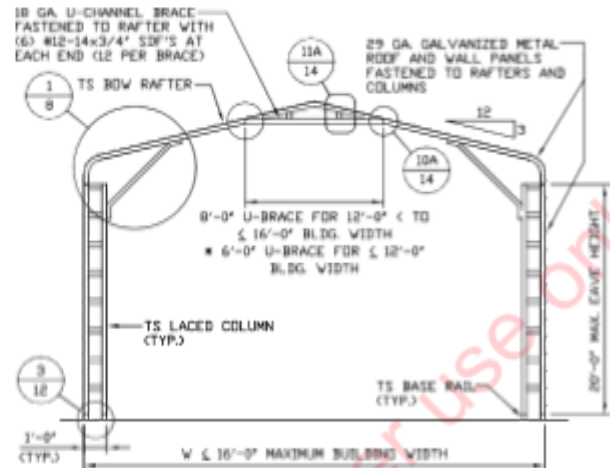
NOTE: BOW RAFTER OPTIONS ARE LIMITED TO EXPOSURE B AREAS WITH GROUND SNOW LOADS ≤ 30 PSF AND WIND SPEEDS ≤ 140 MPH.



TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

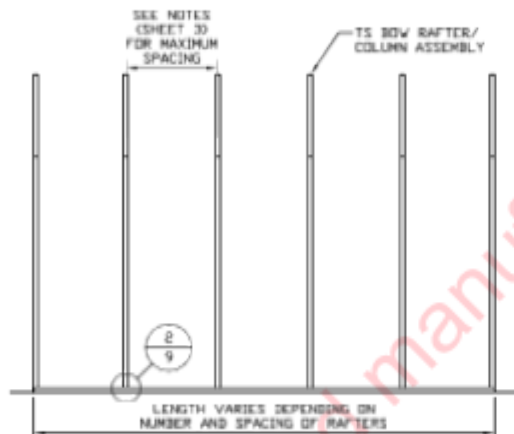
* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

Validity Notice

Plans Expiration Date:

30 January 2026

**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

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PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 7

SCALE: NTS

DWG. NO: SK-3

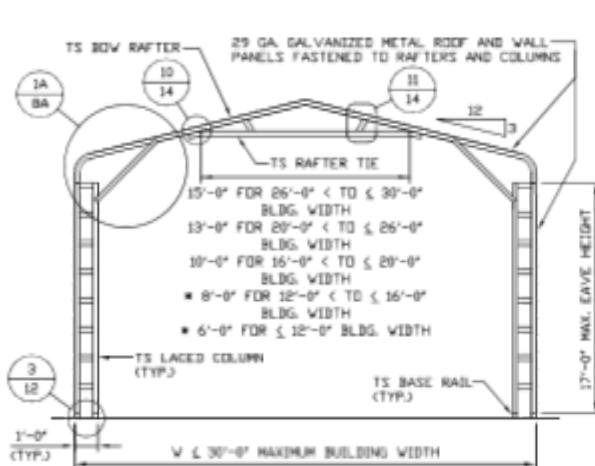
JOB NO: 231605/233555/
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TYPICAL RAFTER/COLUMN FRAME AND SIDE FRAMING SECTION (BOW STRUCTURE)

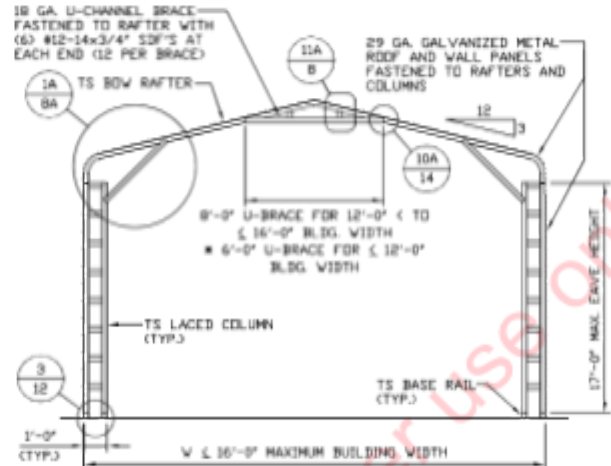
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TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

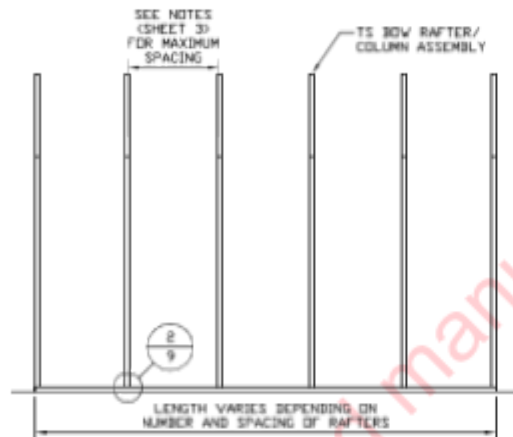
* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

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ENGINEERING AND CONSULTING, INC.**

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CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 7A

SCALE: NTS

DWG. NO: SK-3

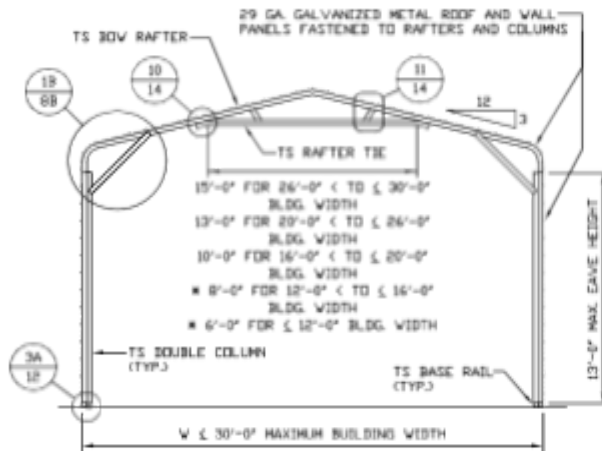
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TYPICAL RAFTER/COLUMN FRAME AND SIDE FRAMING SECTION (BOW STRUCTURE)

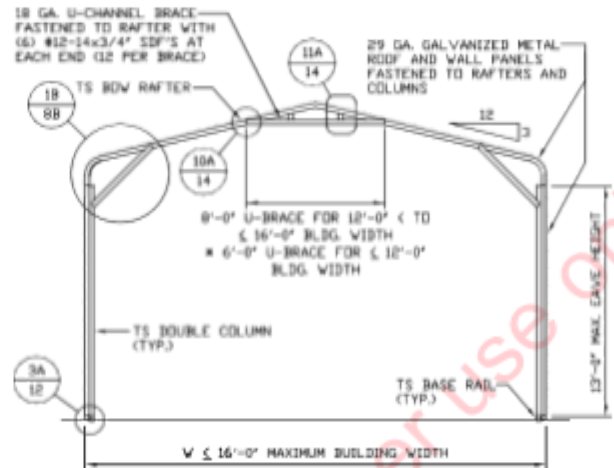
NOTE: BOW RAFTER OPTIONS ARE LIMITED TO EXPOSURE B AREAS WITH GROUND SNOW LOADS ≤ 30 PSF AND WIND SPEEDS ≤ 140 MPH.



TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

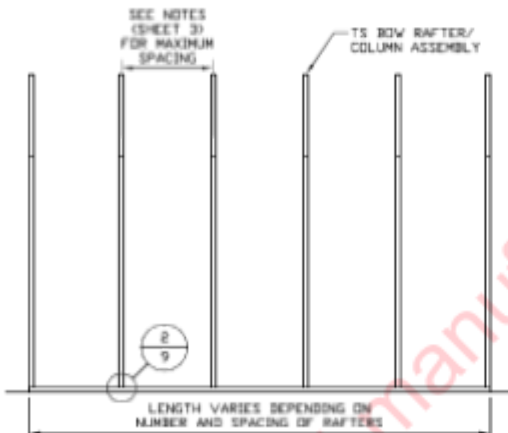
* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

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1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"X20'-0" ENCLOSED STRUCTURE

DATE: 6-12-25

SHT. 7B

SCALE: NTS

DWG. NO: SK-3

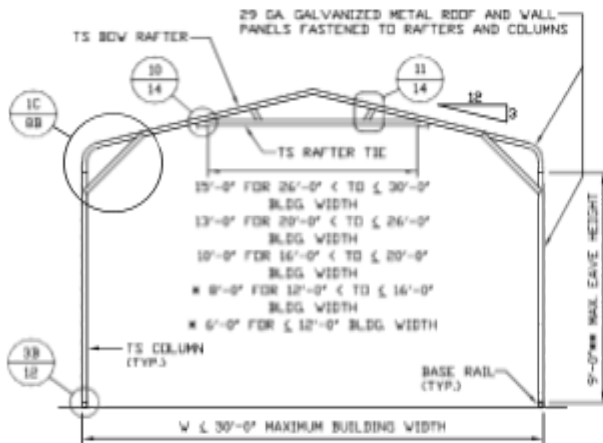
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TYPICAL RAFTER/COLUMN FRAME AND SIDE FRAMING SECTION (BOW STRUCTURE)

NOTE: BOW RAFTER OPTIONS ARE LIMITED TO EXPOSURE B AREAS WITH GROUND SNOW LOADS ≤ 30 PSF AND WIND SPEEDS ≤ 140 MPH.

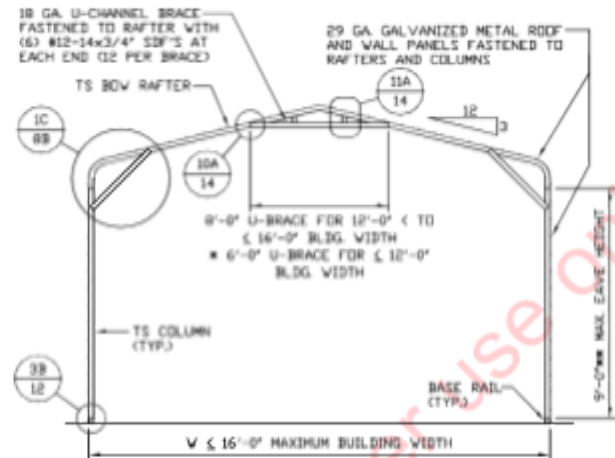


TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS

* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.

** NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR EXPOSURE B WITH GROUND SNOW LOAD ≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.

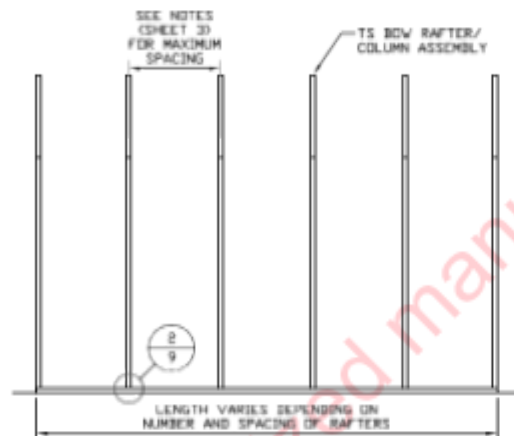


TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

* NOTE: VERTICAL STRUTS NOT REQUIRED FOR THESE TIE LENGTHS.

** NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR EXPOSURE B WITH GROUND SNOW LOAD ≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

SCALE: NTS

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30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

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SCALE: NTS

DWG. NO: SK-3

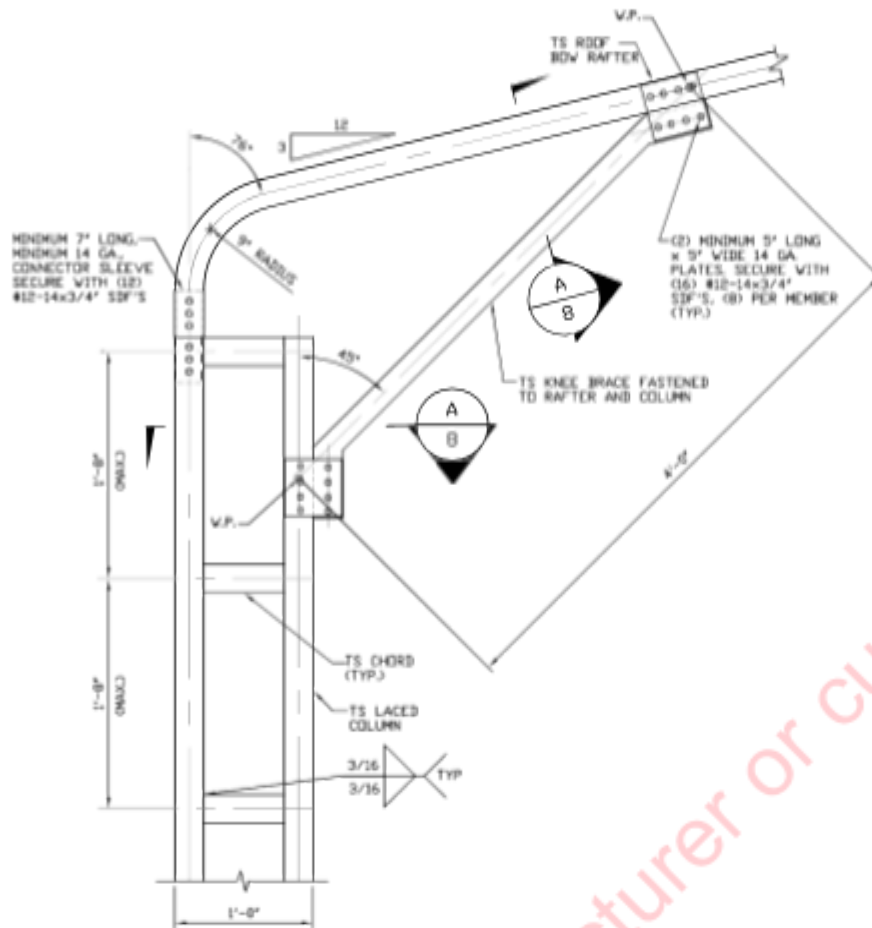
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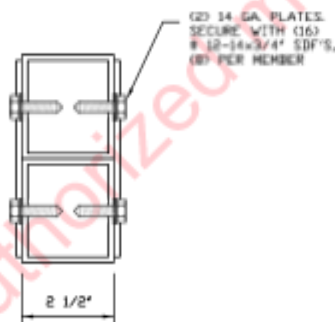
COLUMN CONNECTION DETAILS (BOW STRUCTURE)

NOTE: BOW RAFTER OPTIONS ARE LIMITED TO EXPOSURE B AREAS WITH GROUND SNOW LOADS ≤ 30 PSF AND WIND SPEEDS ≤ 140 MPH.



**BOW RAFTER COLUMN CONNECTION DETAIL
FOR EAVE HEIGHTS 17'-0" < TO $\leq$ 20'-0"**

SCALE: NTS



A BRACE SECTION

SCALE: NTS
NOTE: LACED COLUMN NOT SHOWN FOR CLARITY.

Validity Notice

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30 January 2026

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SHT. 8

SCALE: NTS

DWG. NO: SK-3

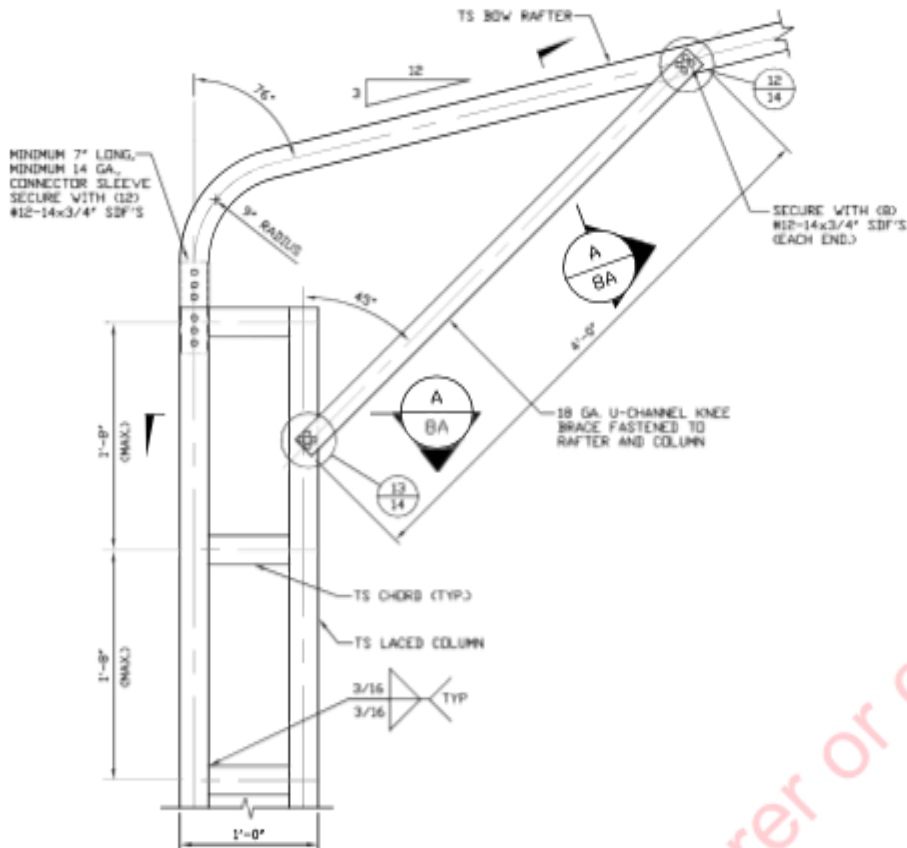
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COLUMN CONNECTION DETAILS (BOW STRUCTURE)

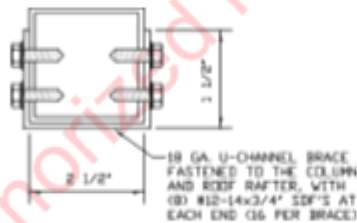
NOTE: BOW RAFTER OPTIONS ARE LIMITED TO EXPOSURE B AREAS WITH GROUND SNOW LOADS ≤ 30 PSF AND WIND SPEEDS ≤ 140 MPH.



**BOW RAFTER COLUMN CONNECTION
DETAIL FOR EAVE HEIGHTS
13'-0" < TO $\leq$ 17'-0"**

1A

SCALE: NTS

**A BRACE SECTION**

SCALE: NTS

NOTE: LACED COLUMN NOT SHOWN FOR CLARITY.

Validity Notice

Plans Expiration Date:

30 January 2026

**MOORE AND ASSOCIATES
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DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

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1110 E. SALISBURY STREET
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30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. BA

SCALE: NTS

DWG. NO SK-3

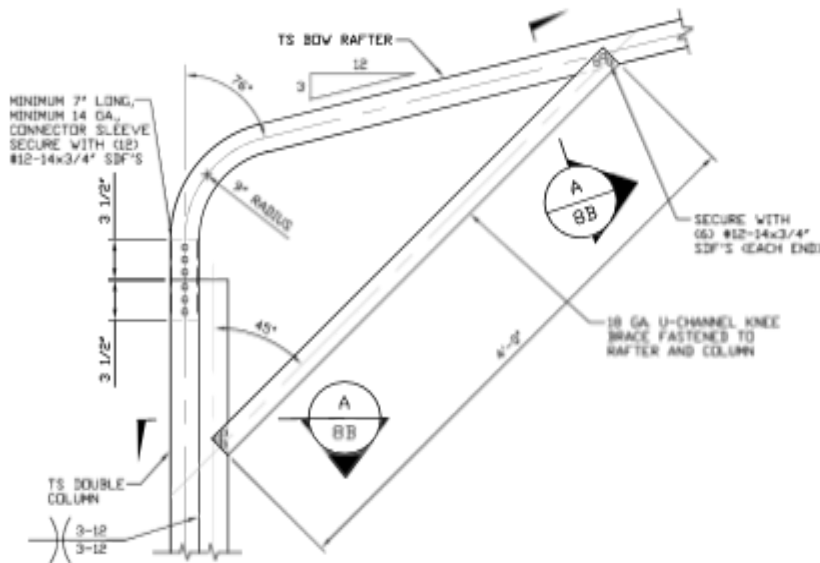
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COLUMN CONNECTION DETAILS (BOW STRUCTURE)

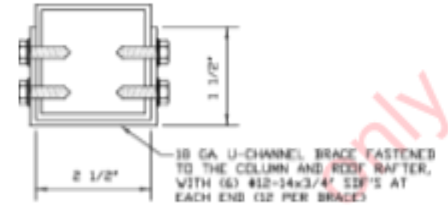
NOTE: BOW RAFTER OPTIONS ARE LIMITED TO EXPOSURE B AREAS WITH GROUND SNOW LOADS ≤ 30 PSF AND WIND SPEEDS ≤ 140 MPH.



1B

BOW RAFTER COLUMN CONNECTION
DETAIL FOR EAVE HEIGHTS
9'-0" < TO ≤ 13'-0"

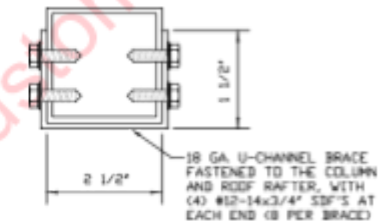
SCALE: NTS



A BRACE SECTION

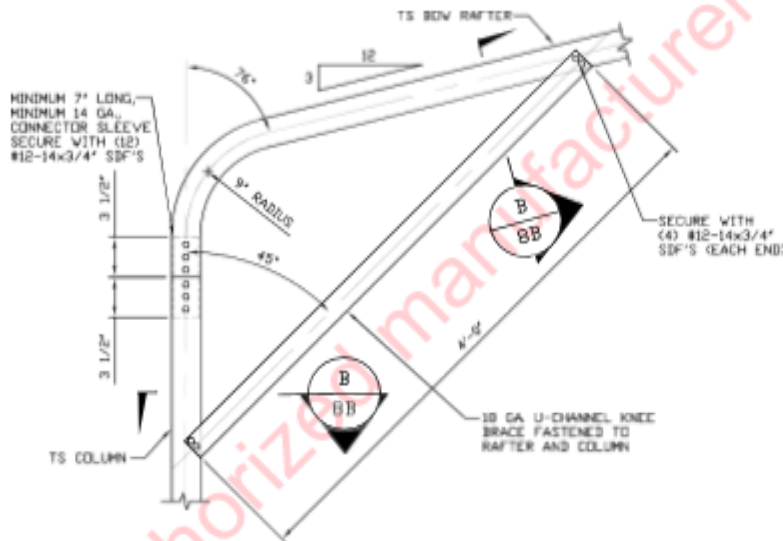
SCALE: NTS

NOTE: DOUBLE COLUMN NOT SHOWN FOR CLARITY.



B BRACE SECTION

SCALE: NTS



1C

BOW RAFTER COLUMN CONNECTION
DETAIL FOR EAVE HEIGHTS ≤ 9'-0"

SCALE: NTS

NOTE: MAXIMUM COLUMN HEIGHT IS 12'-0" FOR
EXPOSURE B WITH GROUND SNOW LOAD
≤ 35 PSF AND WIND SPEEDS ≤ 115 MPH.

Validity Notice

Plans Expiration Date:

30 January 2026

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. BB

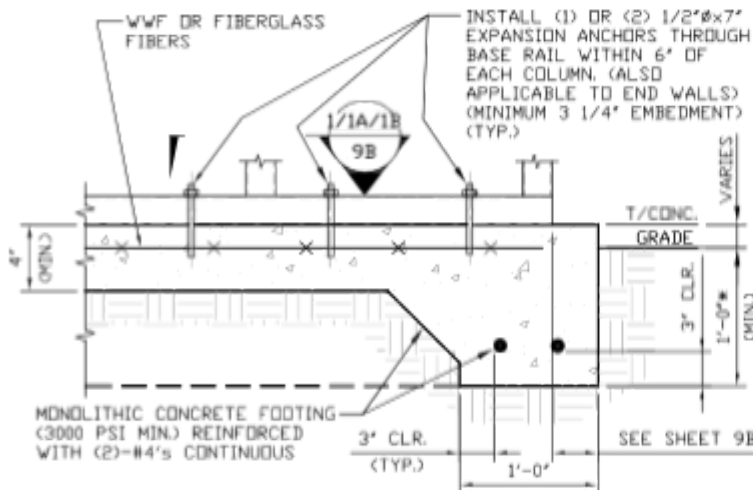
SCALE: NTS

DWG. NO SK-3

JOB NO: 23160S/23355S/
25002S/25108S/25178S

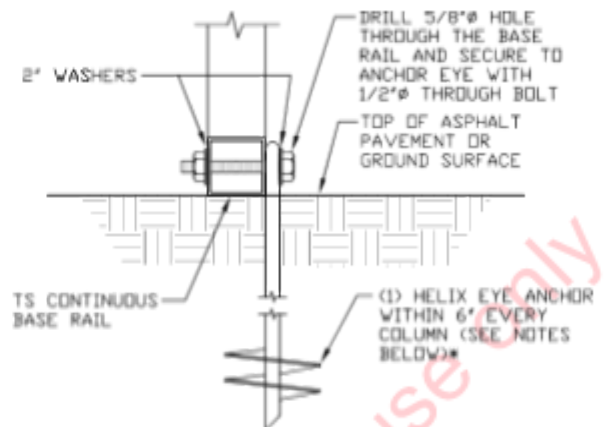
REV: 8

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BASE RAIL ANCHORAGE OPTIONS FOR EXPOSURE B**2B****CONCRETE MONOLITHIC SLAB
BASE RAIL ANCHORAGE**

SCALE: NTS

NOTE: SEE SHEET 9B FOR MINIMUM EDGE DISTANCE.

* COORDINATE WITH LOCAL BUILDING CODE
AND/OR BUILDING OFFICIAL REGARDING
REQUIRED FOOTING DEPTH.**2C****GROUND BASE HELIX ANCHORAGE**

SCALE: NTS (CAN BE USED FOR ASPHALT)

* COORDINATE WITH LOCAL BUILDING CODE
AND/OR BUILDING OFFICIAL REGARDING
REQUIRED ANCHORAGE DEPTH.**GENERAL NOTES**NOTE: CONCRETE MONOLITHIC SLAB DESIGN BASED ON
MINIMUM SOIL BEARING CAPACITY OF 1,500 PSF.**CONCRETE:**CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE
STRENGTH OF 3,000 PSI 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 OR 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 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.

HELIX ANCHOR NOTES:

1. FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL
AND COBBLES, CALICHE, PRELDADED SILTS AND CLAYS, USE
MINIMUM (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR
SINGLE 6" HELIX WITH MINIMUM 50" EMBEDMENT
2. FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM
30" EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM
50" EMBEDMENT.
3. FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY
STIFF SILTS, AND CLAYS USE MINIMUM (2) 4" HELICES WITH
MINIMUM 30 INCH EMBEDMENT OR SINGLE 6" HELIX WITH MINIMUM
50" EMBEDMENT.
4. FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND
SILTS ALLUVIAL FILL, USE MINIMUM (2) 6" HELICES WITH MINIMUM
50" EMBEDMENT.
5. FOR VERY LOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER
CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8" HELICES
WITH MINIMUM 60" EMBEDMENT.

Validity Notice

Plans Expiration Date:

30 January 2026**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 6-12-25

SHT. 9A

SCALE: NTS

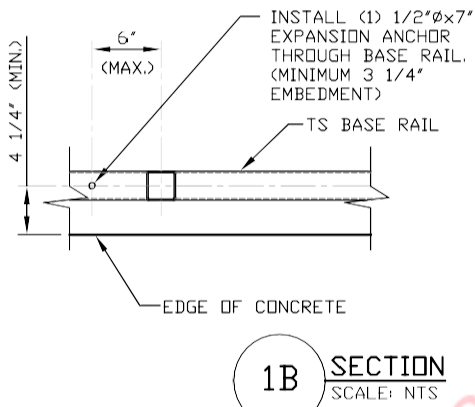
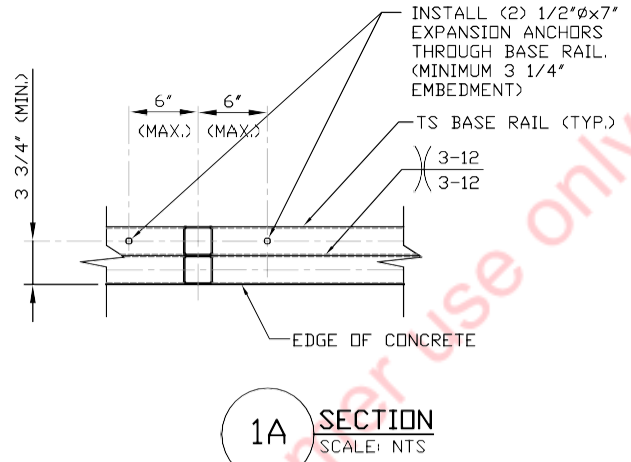
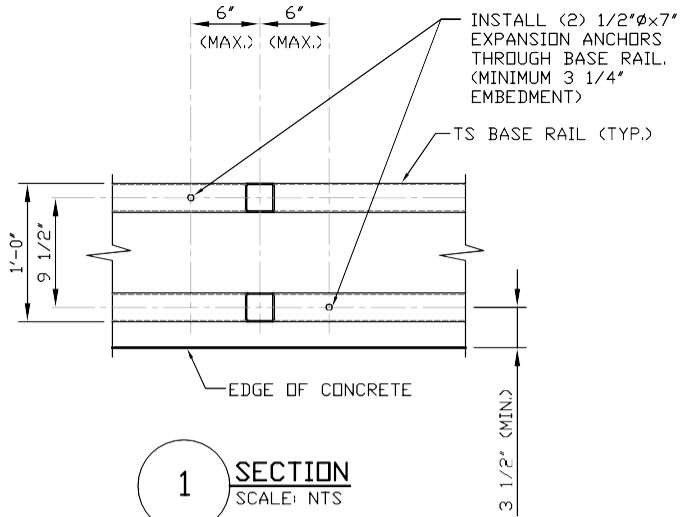
DWG. NO: SK-3

JOB NO: 23160S/23355S/
25002S/25108S/25178S

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BASE RAIL ANCHORAGE OPTIONS



Validity Notice

Plans Expiration Date:

30 January 2026

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DATE: 6-13-25

SHT. 9B

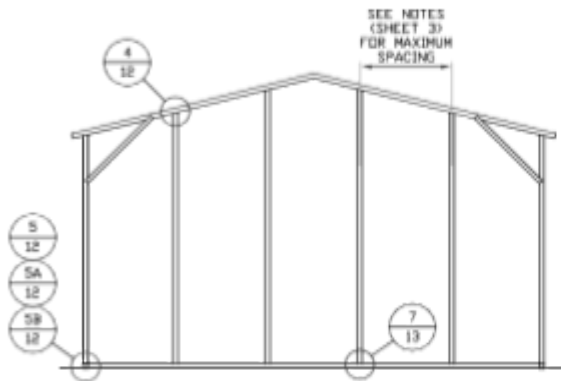
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DWG. NO: SK-3

JOB NO: 23160S/23355S/
25002S/25108S/25178S

REV: 8

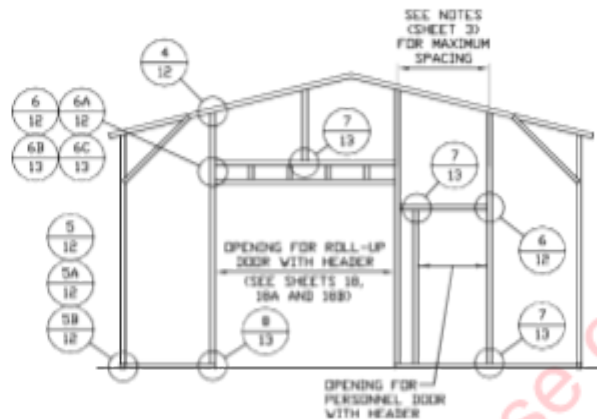
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BOX EAVE RAFTER END WALL AND SIDE WALL FRAMING SECTIONS**TYPICAL BOX EAVE RAFTER
END WALL FRAMING SECTION**

SCALE: NTS

NOTE: END WALL COLUMNS SHALL BE THE
FOLLOWING SIZES:

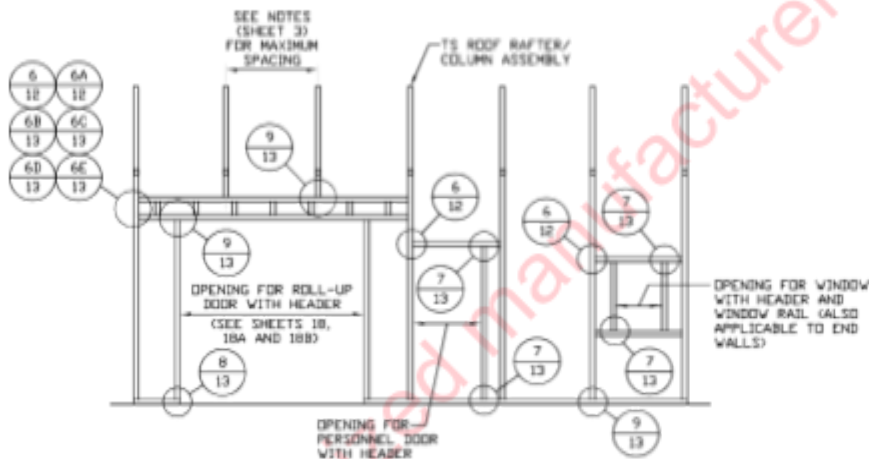
- ✱ LACED TUBE (12") 2 1/2"x2 1/2"-14 GA.
COLUMNS FOR EAVE HEIGHTS
19'-0" < TO 20'-0"
- ✱ DOUBLE TUBE (2) 2 1/2"x2 1/2"-14 GA.
COLUMNS FOR EAVE HEIGHTS
10'-0" < TO ≤ 19'-0"
- ✱ SINGLE TUBE 2 1/2"x 2 1/2"-14 GA.
FOR EAVE HEIGHTS ≤ 10'-0"

**TYPICAL BOX EAVE RAFTER END
WALL OPENINGS FRAMING SECTION**

SCALE: NTS

NOTE: END WALL COLUMNS SHALL BE THE
FOLLOWING SIZES:

- ✱ LACED TUBE (12") 2 1/2"x2 1/2"-14 GA.
COLUMNS FOR EAVE HEIGHTS
19'-0" < TO 20'-0"
- ✱ DOUBLE TUBE (2) 2 1/2"x2 1/2"-14 GA.
COLUMNS FOR EAVE HEIGHTS
10'-0" < TO ≤ 19'-0"
- ✱ SINGLE TUBE 2 1/2"x 2 1/2"-14 GA.
FOR EAVE HEIGHTS ≤ 10'-0"

**TYPICAL BOX EAVE RAFTER
SIDE WALL OPENINGS FRAMING SECTION**

SCALE: NTS

Validity Notice

Plans Expiration Date:

30 January 2026

**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JRG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 10

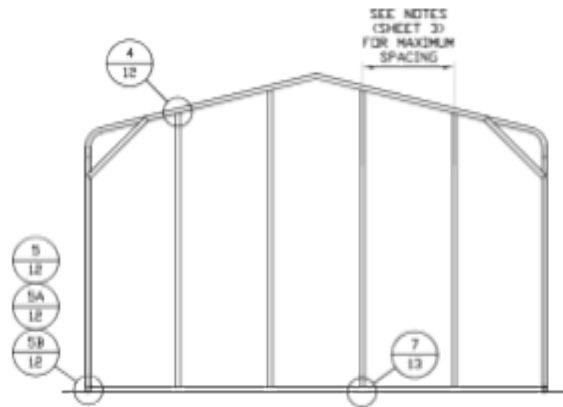
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DWG. NO: SK-3

JOB NO: 231605/233555/
250025/251085/251785

REV: 8

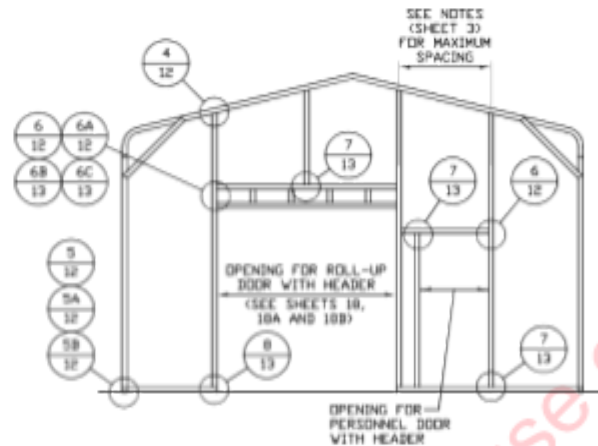
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BOW RAFTER END WALL AND SIDE WALL FRAMING SECTIONS**TYPICAL BOW RAFTER END WALL FRAMING SECTION**

SCALE: NTS

NOTE: END WALL COLUMNS SHALL BE THE FOLLOWING SIZES:

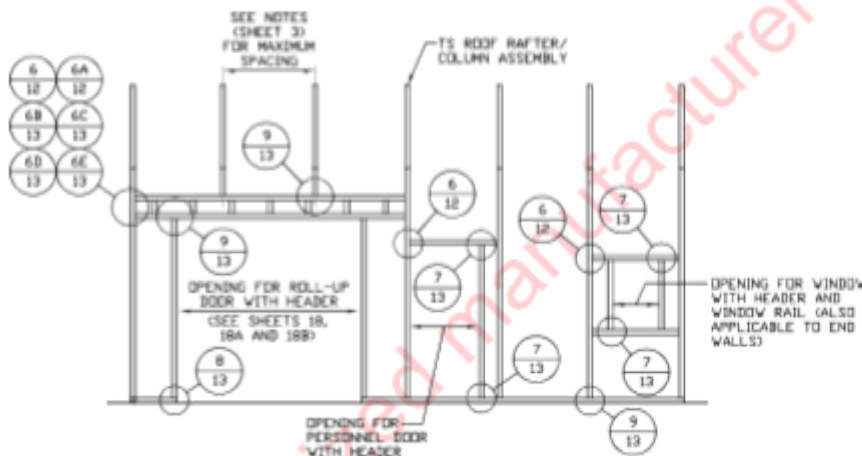
- * LACED TUBE (12") 2 1/2"x2 1/2"-14 GA. COLUMNS FOR EAVE HEIGHTS 19'-0" < TO 20'-0"
- * DOUBLE TUBE (2) 2 1/2"x2 1/2"-14 GA. COLUMNS FOR EAVE HEIGHTS 10'-0" < TO ≤ 19'-0"
- * SINGLE TUBE 2 1/2" x 2 1/2"-14 GA. FOR EAVE HEIGHTS ≤ 10'-0"

**TYPICAL BOW RAFTER END WALL OPENINGS FRAMING SECTION**

SCALE: NTS

NOTE: END WALL COLUMNS SHALL BE THE FOLLOWING SIZES:

- * LACED TUBE (12") 2 1/2"x2 1/2"-14 GA. COLUMNS FOR EAVE HEIGHTS 19'-0" < TO 20'-0"
- * DOUBLE TUBE (2) 2 1/2"x2 1/2"-14 GA. COLUMNS FOR EAVE HEIGHTS 10'-0" < TO ≤ 19'-0"
- * SINGLE TUBE 2 1/2" x 2 1/2"-14 GA. FOR EAVE HEIGHTS ≤ 10'-0"

**TYPICAL BOW RAFTER SIDE WALL OPENINGS FRAMING SECTION**

SCALE: NTS

Validity Notice**Plans Expiration Date:****30 January 2026**

**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 11

SCALE: NTS

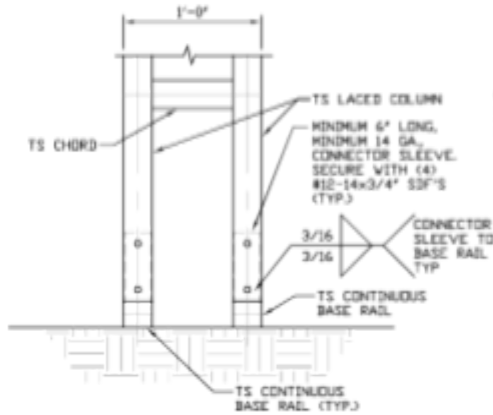
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JOB NO: 231605/233555/
250025/251085/251785

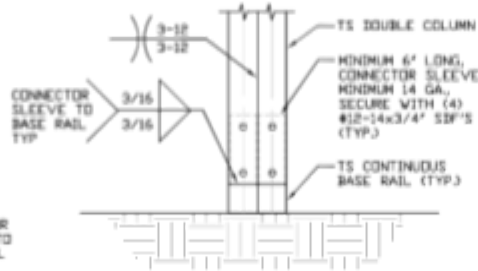
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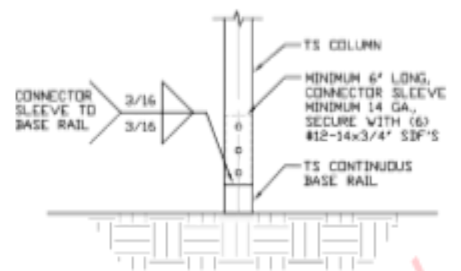
CONNECTION DETAILS



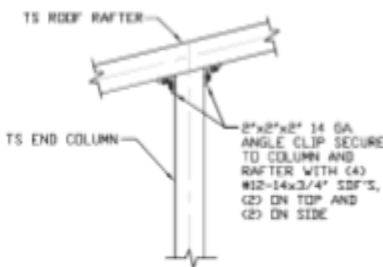
3
RAFTER COLUMN/
BASE RAIL
CONNECTION DETAIL
SCALE: NTS



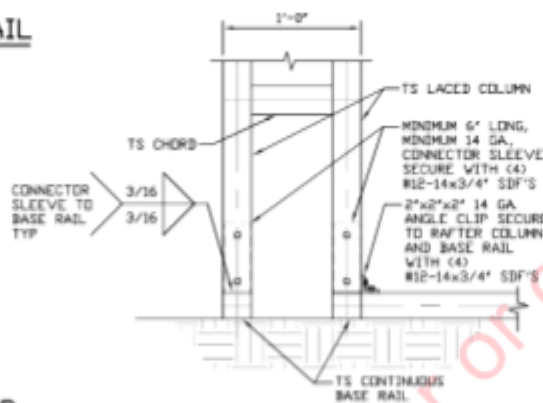
3A
RAFTER COLUMN/
BASE RAIL
CONNECTION DETAIL
SCALE: NTS



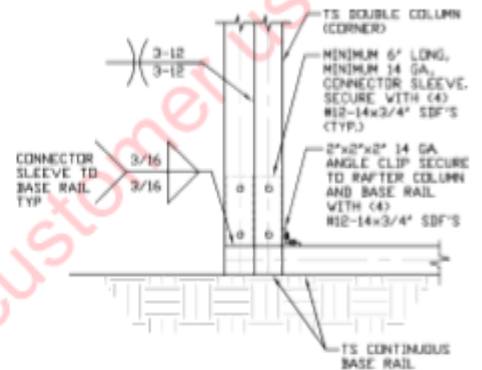
3B
RAFTER COLUMN/
BASE RAIL
CONNECTION DETAIL
SCALE: NTS



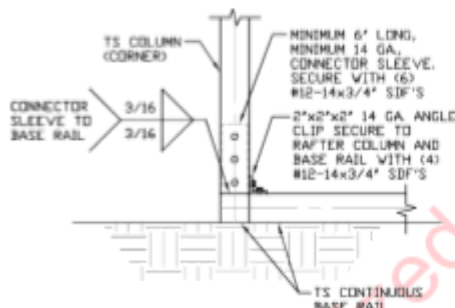
4
END COLUMN/RAFTER
CONNECTION DETAIL
SCALE: NTS



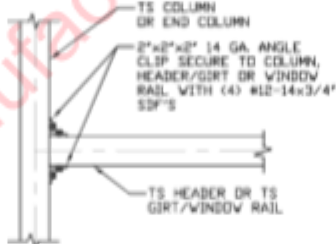
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END COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS



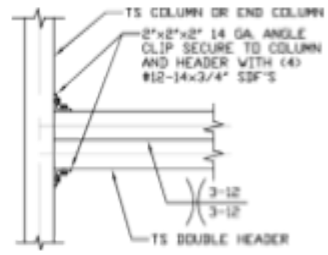
5A
END COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS



5B
END COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS



6
HEADER OR WINDOW
RAIL/TS WALL GIRT
TO COLUMN
CONNECTION DETAIL
SCALE: NTS



6A
DOUBLE HEADER/COLUMN
CONNECTION DETAIL
SCALE: NTS

Validity Notice

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30 January 2026

**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

**L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0" x 20'-0" ENCLOSED STRUCTURE**

DATE: 6-12-25

SHT. 12

SCALE: NTS

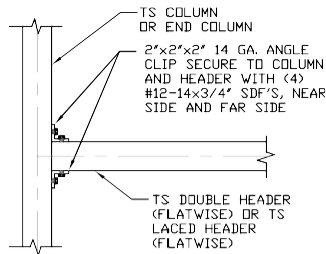
DWG. NO: SK-3

**JOB NO: 231605/233555/
25002S/25108S/25178S**

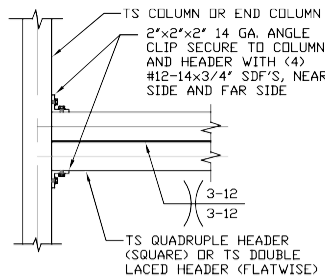
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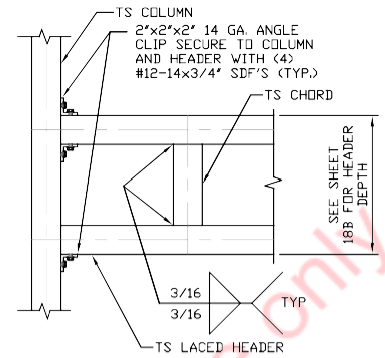
CONNECTION DETAILS



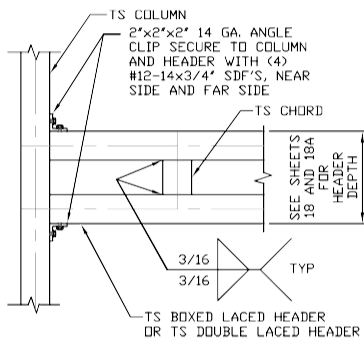
6B TS DOUBLE HEADER (FLATWISE) OR TS LACED HEADER (FLATWISE) CONNECTION DETAIL
SCALE: NTS



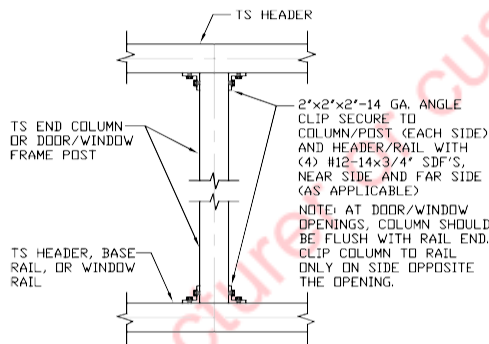
6C TS QUADRUPLE HEADER (SQUARE) OR TS DOUBLE LACED HEADER (FLATWISE) CONNECTION DETAIL
SCALE: NTS



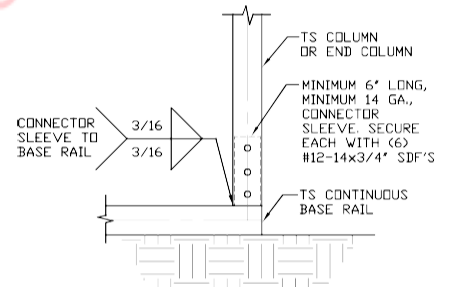
6D TS LACED HEADER TO COLUMN CONNECTION DETAIL
SCALE: NTS



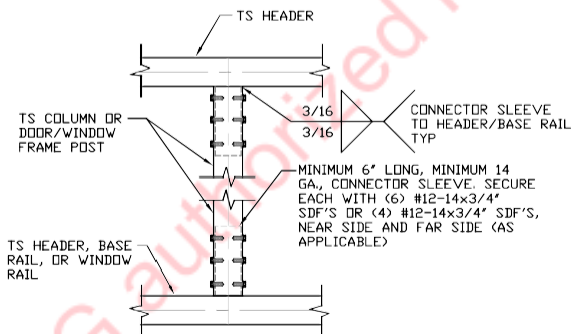
6E TS BOXED LACED HEADER OR DOUBLE LACED HEADER TO COLUMN CONNECTION DETAIL
SCALE: NTS



7 COLUMN/POST TO HEADER/RAIL CONNECTION DETAIL
SCALE: NTS



8 COLUMN/BASE RAIL CONNECTION DETAIL
SCALE: NTS



9 COLUMN/POST TO HEADER/RAIL OR BASE RAIL CONNECTION DETAIL
SCALE: NTS

Validity Notice

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30 January 2026

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

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PROJECT MGR: JRP

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L&G BUILDINGS AND CONCRETE, LLC
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30'-0"X20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 13

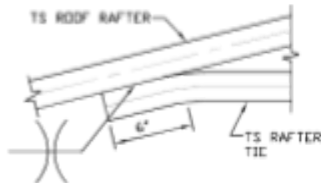
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DWG. NO: SK-3

JOB NO: 23160S/23355S/
25002S/25108S/25178S

REV: 8

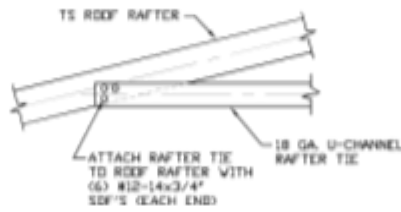
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CONNECTION DETAILS

10

**TS ROOF RAFTER
TO RAFTER TIE
CONNECTION DETAIL**

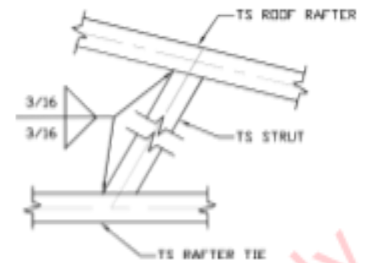
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NOTE: DOUBLE TUBE RAFTER NOT
SHOWN FOR CLARITY.

10A

**TS ROOF RAFTER
TO U-CHANNEL
RAFTER TIE
CONNECTION DETAIL**

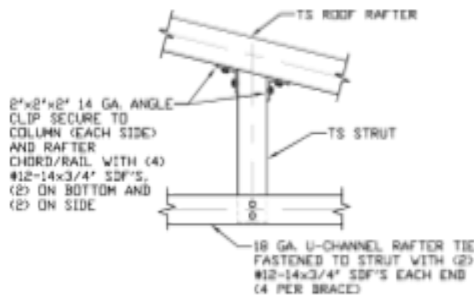
SCALE: NTS



11

**TS RAFTER/TS
RAFTER TIE
TO STRUT
CONNECTION DETAIL**

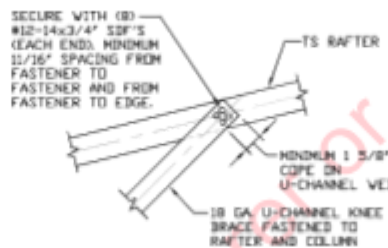
SCALE: NTS

NOTE: DOUBLE TUBE RAFTER NOT
SHOWN FOR CLARITY.

11A

**TS RAFTER/U-CHANNEL
RAFTER TIE TO STRUT
CONNECTION DETAIL**

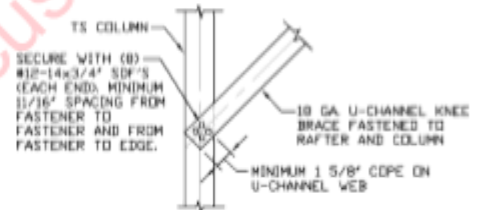
SCALE: NTS



12

**U-CHANNEL TO RAFTER
CONNECTION DETAIL**

SCALE: NTS



13

**U-CHANNEL TO COLUMN
CONNECTION DETAIL**

SCALE: NTS

Validity Notice

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30 January 2026

**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JRG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
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30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 6-12-25

SHT. 14

SCALE: NTS

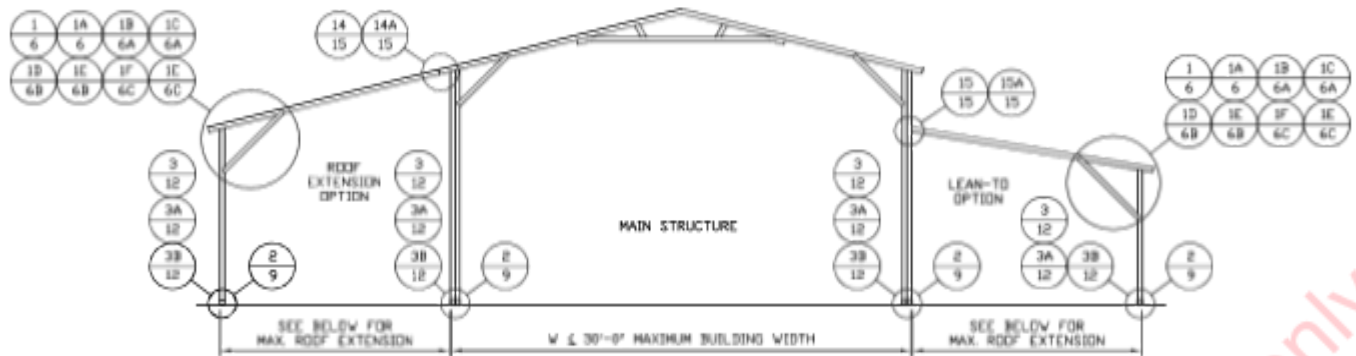
DWG. NO: SK-3

JOB NO: 23160S/23355S/
25002S/25108S/25178S

REV: 8

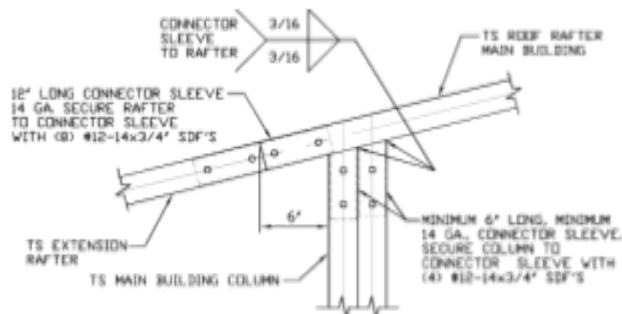
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BOX EAVE RAFTER LEAN-TO OPTIONS

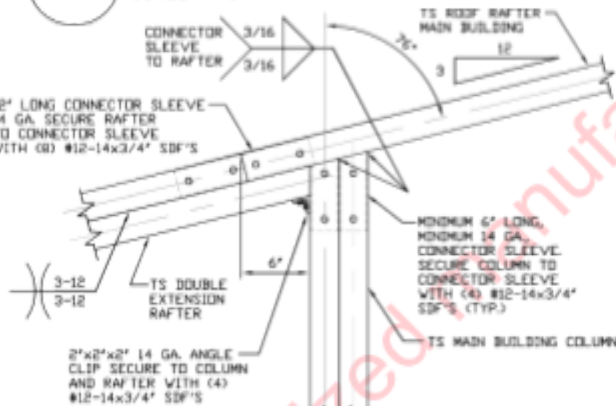


TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

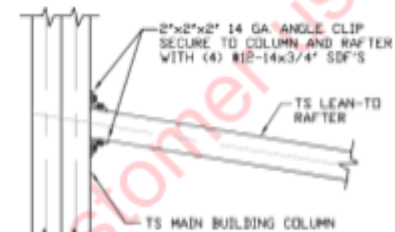
SCALE: NTS

REFER TO SHEETS 6, 6A, 6B AND 6C FOR COLUMN HEIGHTS AND TYPES.
LEAN-TO COLUMN SPACING SHALL MATCH MAIN BUILDING.SIDE EXTENSION RAFTER
COLUMN CONNECTION DETAIL
FOR RAFTER SPANS $\leq 11'-0''$

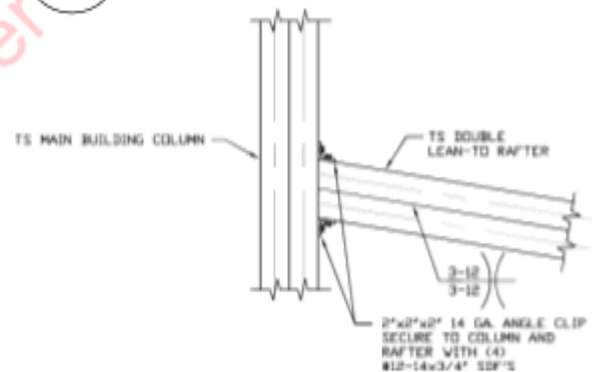
SCALE: NTS

SIDE EXTENSION RAFTER COLUMN
CONNECTION DETAIL FOR RAFTER
SPANS $11'-0'' < \text{TO} \leq 12'-0''$

SCALE: NTS

LEAN-TO RAFTER TO RAFTER
COLUMN CONNECTION DETAIL
FOR RAFTER SPANS $\leq 11'-0''$

SCALE: NTS

LEAN-TO RAFTER TO RAFTER COLUMN
CONNECTION DETAIL FOR RAFTER SPANS
 $11'-0'' < \text{TO} \leq 12'-0''$

SCALE: NTS

Validity Notice

Plans Expiration Date:

30 January 2026

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 6-12-25

SHT. 15

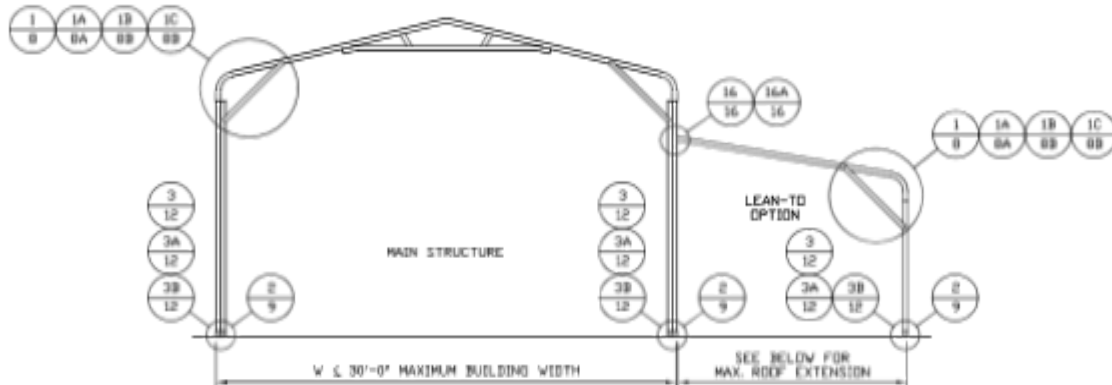
SCALE: NTS

DWG. NO: SK-3

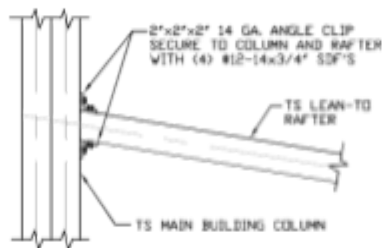
JOB NO: 231605/233555/
250025/251085/251785

REV: 8

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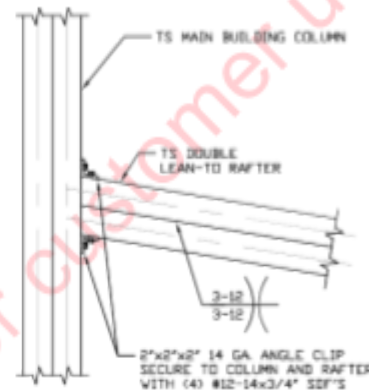
BOW RAFTER LEAN-TO OPTIONS**TYPICAL BOW RAFTER LEAN-TO OPTION FRAMING SECTION**

SCALE: NTS

REFER TO SHEETS 8, 8A AND 8B FOR COLUMN HEIGHTS AND TYPES.
LEAN-TO COLUMN SPACING SHALL MATCH MAIN BUILDING.**LEAN-TO RAFTER TO RAFTER
COLUMN CONNECTION DETAIL
FOR RAFTER SPANS ≤ 11'-0"**

SCALE: NTS

16

**LEAN-TO RAFTER TO RAFTER
COLUMN CONNECTION DETAIL
FOR SPANS 11'-0" < TO ≤ 12'-0"**

SCALE: NTS

16A

Validity Notice

Plans Expiration Date:

30 January 2026**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

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1110 E. SALISBURY STREET
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30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-12-25

SHT. 16

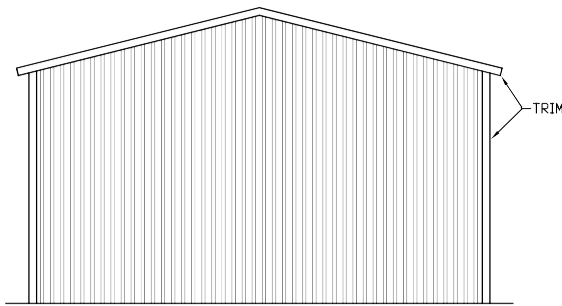
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DWG. NO: SK-3

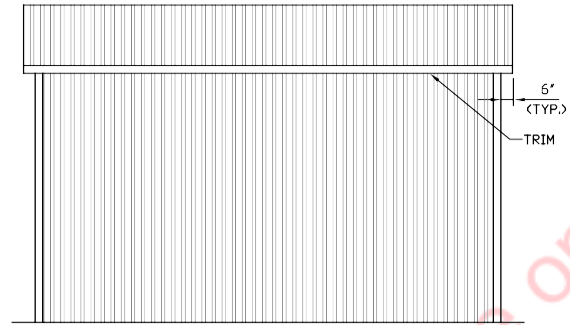
JOB NO: 231605/233555/
250025/251085/251785

REV: 8

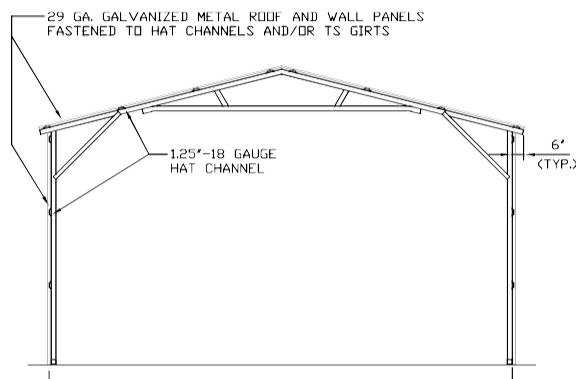
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BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION**TYPICAL END ELEVATION
VERTICAL ROOF/SIDING**

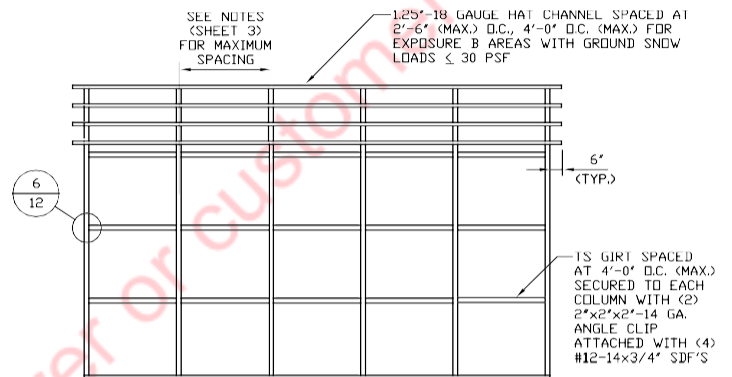
SCALE: NTS

**TYPICAL SIDE ELEVATION
VERTICAL ROOF/SIDING**

SCALE: NTS

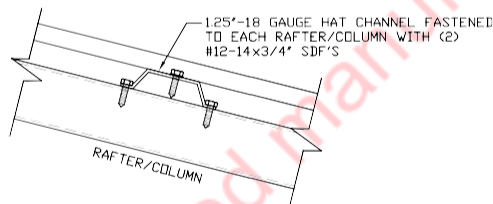
**TYPICAL SECTION VERTICAL
ROOF/SIDING OPTION**

SCALE: NTS

**TYPICAL FRAMING SECTION
VERTICAL ROOF/SIDING OPTION**

SCALE: NTS

NOTE: HAT CHANNELS MAY ALSO BE USED FOR WALL GIRTS AND ARE SPACED AT 4'-0" O.C. (MAX.) SECURED TO EACH COLUMN WITH (2) #12-14 x 3/4" SDF'S

**PANEL ATTACHMENT**(ALTERNATE FOR VERTICAL ROOF AND WALL PANELS)
SCALE: NTS**Validity Notice**

Plans Expiration Date:

30 January 2026**MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
1110 E. SALISBURY STREET
ASHEBORO, NC 27203
30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-13-25

SHT. 17

SCALE: NTS

DWG. NO: SK-3

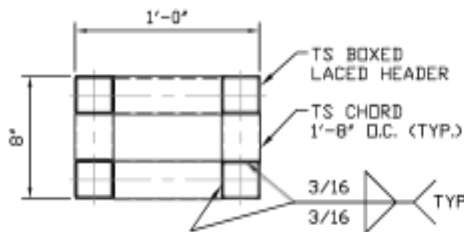
JOB NO: 23160S/23355S/
25002S/25108S/25178S

REV: 8

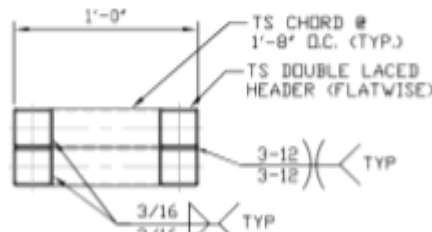
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SIDE WALL HEADER OPTIONS FOR TS LACED COLUMNS

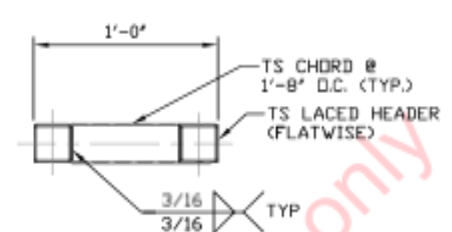
NOTE: HEADER DESIGN DOES NOT TAKE IN TO ACCOUNT ADDITIONAL ROOF LOADING FROM ATTACHED LEAN-TO STRUCTURES.
 NOTE: SINGLE TUBE HEADERS CAN BE USED FOR FRAME-OUTS THAT DO NOT CUT COLUMNS.



**HEADER DETAIL FOR
 12'-0" < LENGTH ≤ 16'-0"**
 SCALE: NTS



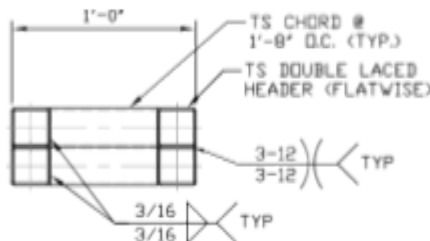
**HEADER DETAIL FOR
 7'-0" < LENGTH ≤ 12'-0"**
 SCALE: NTS



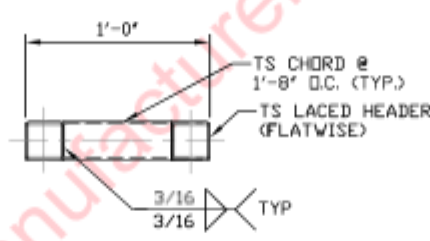
**HEADER DETAIL FOR
 LENGTH ≤ 7'-0"**
 SCALE: NTS

END WALL HEADER OPTIONS FOR TS LACED COLUMNS

NOTE: HEADER DESIGN DOES NOT TAKE IN TO ACCOUNT ADDITIONAL ROOF LOADING FROM ATTACHED LEAN-TO STRUCTURES.
 NOTE: SINGLE TUBE HEADERS CAN BE USED FOR FRAME-OUTS THAT DO NOT CUT COLUMNS.



**HEADER DETAIL FOR
 10'-0" < LENGTH ≤ 16'-0"**
 SCALE: NTS



**HEADER DETAIL FOR
 LENGTH ≤ 10'-0"**
 SCALE: NTS

Validity Notice

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30 January 2026

**MOORE AND ASSOCIATES
 ENGINEERING AND CONSULTING, INC.**

DRAWN BY: JG

CHECKED BY: JRP

PROJECT MGR: JRP

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L&G BUILDINGS AND CONCRETE, LLC
 1110 E. SALISBURY STREET
 ASHEBORO, NC 27203
 30'-0" x 20'-0" ENCLOSED STRUCTURE

DATE: 6-12-25

SHT. 18

SCALE: NTS

DWG. NO. SK-3

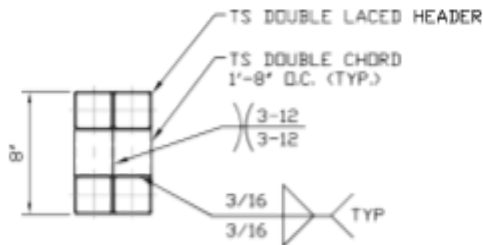
JOB NO: 23160S/23355S/
 25002S/25108S/25178S

REV: 8

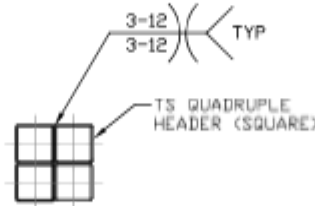
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SIDE WALL HEADER OPTIONS FOR TS DOUBLE COLUMNS

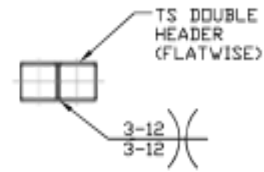
NOTE: HEADER DESIGN DOES NOT TAKE IN TO ACCOUNT ADDITIONAL ROOF LOADING FROM ATTACHED LEAN-TO STRUCTURES.
 NOTE: SINGLE TUBE HEADERS CAN BE USED FOR FRAME-OUTS THAT DO NOT CUT COLUMNS.



HEADER DETAIL FOR
12'-0" < LENGTH ≤ 16'-0"
 SCALE: NTS



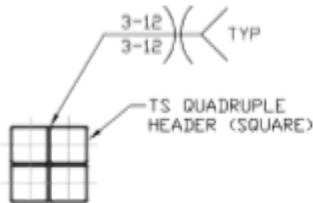
HEADER DETAIL FOR
7'-0" < LENGTH ≤ 12'-0"
 SCALE: NTS



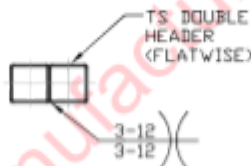
HEADER DETAIL FOR
LENGTH ≤ 7'-0"
 SCALE: NTS

END WALL HEADER OPTIONS FOR TS DOUBLE COLUMNS

NOTE: HEADER DESIGN DOES NOT TAKE IN TO ACCOUNT ADDITIONAL ROOF LOADING FROM ATTACHED LEAN-TO STRUCTURES.
 NOTE: SINGLE TUBE HEADERS CAN BE USED FOR FRAME-OUTS THAT DO NOT CUT COLUMNS.



HEADER DETAIL FOR
10'-0" < LENGTH ≤ 16'-0"
 SCALE: NTS



HEADER DETAIL FOR
LENGTH ≤ 10'-0"
 SCALE: NTS

Validity Notice

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30 January 2026

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING, INC.

DRAWN BY: JG

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PROJECT MGR: JRP

CLIENT: L&G BUILDINGS

L&G BUILDINGS AND CONCRETE, LLC
 1110 E. SALISBURY STREET
 ASHEBORO, NC 27203
 30'-0"x20'-0" ENCLOSED STRUCTURE

DATE: 6-12-25

SHT. 18A

SCALE: NTS

DWG. NO SK-3

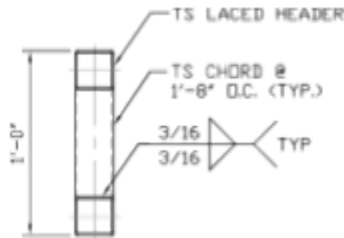
JOB NO: 23160S/23355S/
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REV: 8

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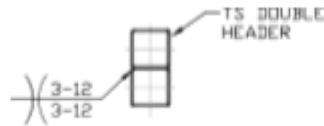
SIDE WALL HEADER OPTIONS FOR TS SINGLE COLUMNS

NOTE: HEADER DESIGN DOES NOT TAKE IN TO ACCOUNT ADDITIONAL ROOF LOADING FROM ATTACHED LEAN-TO STRUCTURES.



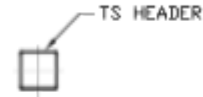
HEADER DETAIL FOR
 $8'-0" < \text{LENGTH} \leq 13'-0"$

SCALE: NTS



HEADER DETAIL FOR
 $5'-0" < \text{LENGTH} \leq 8'-0"$

SCALE: NTS



HEADER DETAIL FOR
 $\text{LENGTH} \leq 5'-0"$

SCALE: NTS

END WALL HEADER OPTIONS FOR TS SINGLE COLUMNS

NOTE: HEADER DESIGN DOES NOT TAKE IN TO ACCOUNT ADDITIONAL ROOF LOADING FROM ATTACHED LEAN-TO STRUCTURES.



HEADER DETAIL FOR
 $8'-0" < \text{LENGTH} \leq 10'-0"$

SCALE: NTS



HEADER DETAIL FOR
 $\text{LENGTH} \leq 8'-0"$

SCALE: NTS

Validity NoticePlans Expiration Date:**30 January 2026**

MOORE AND ASSOCIATES
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DATE: 6-12-25

SHT. 18B

SCALE: NTS

DWG. NO SK-3

JOB NO: 23160S/23355S/
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