

STRUCTURAL DESIGN ENCLOSED BUILDING

MAXIMUM 24'- 0" WIDE X 12'- 0" HEIGHT-BOX EAVE FRAME AND BOW FRAME

28 January 2025 Revision 0 M&A Project No. 24344S Prepared for:

Newmart Builders 1000 Cycle Lane South Hill, VA 23970

Prepared by:

Moore and Associates Engineering and Consulting, Inc.

1009 East Avenue North Augusta, SC 29841

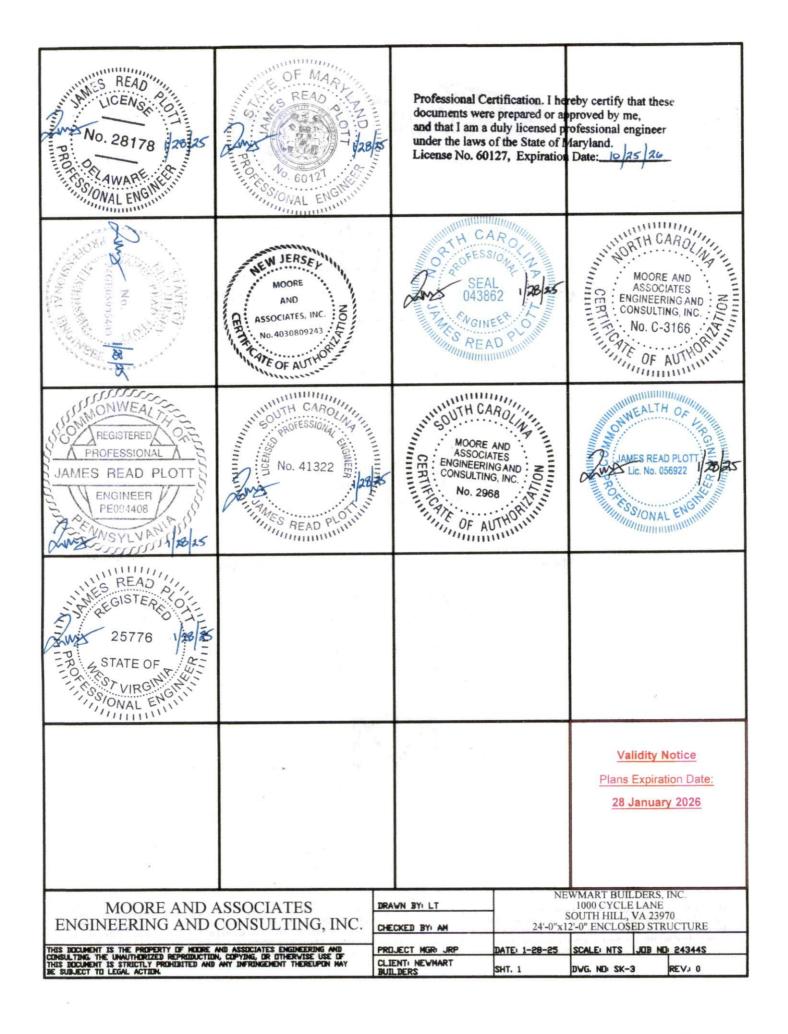
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Validity Notice
Plans Expiration Date: 28 January 2026

Plans are valid for one year from issuance date

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| ENGINEERING AND CONSULTING, INC. | CHECKED BY: AM | | SOUTH HILL, 12'-0" ENCLOS | VA 23970 SED STRUCTURE |
| MOORE AND ASSOCIATES | DRAWN BY: LT | NE | EWMART BUI 1000 CYCLI | |

INSTALLATION NOTES AND SPECIFICATIONS

- 1. DESIGN IS FOR MAXIMUM 24'-0" WIDE x 12'-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-ON-GRADE)
- D) GROUND SNOW LOAD
- = 45 PSF
- = 35 PSF (FOR U-CHANNEL RAFTER TIE)
- 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 BE LIMITED TO GROUND SNOW LOADS & 30 PSF DUE TO ADDITIONAL SNOW DRIFT LOADING.
- 4. MAXIMUM ULTIMATE WIND SPEED 130 MPH (NOMINAL WIND SPEED 101 MPH).
- 5. END WALL COLUMNS (POSTS) ARE SIMILAR TO SIDE WALL COLUMNS (POSTS) IN SIZE AND SPACING (UNLESS NOTED OTHERWISE).
- 6. MAXIMUM RAFTER/POST AND END POST SPACING = 4.0 FEET (UNLESS NOTED OTHERWISE).
- 7. RISK CATEGORY I (NOT FOR HUMAN OCCUPANCY).
- B. WIND EXPOSURE CATEGORY B.
- 9. STRUCTURAL ANALYSIS/DESIGN IS BASED ON TS MEETING THE REQUIREMENTS OF ASTM A653 TYPE SS GRADE 50 WITH MINIMUM YIELD STRENGTH (Fy) OF 50 KSI AND GALVANIZING MEETING THE MINIMUM REQUIREMENTS OF G60.
- 10. USE E70 ELECTRODES FOR WELDED CONNECTIONS. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF AWS DI.3.
- 11. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/4'x2 1/4'-14 GAUGE TUBE STEEL (TS) OR 2 1/4'x2 1/4'-12 GAUGE TS FRAMING MEMBERS (UNLESS NOTED OTHERWISE).
- 12. CONNECTOR SLEEVES ARE MINIMUM 8' LONG, TS 2'x2'-14 GAUGE (UNLESS NOTED OTHERWISE).
- 13. AVERAGE FASTENER SPACING DN-CENTERS = 10" D.C. (MAX.)
- 14. FASTENERS CONSIST OF 1/4'x3/4' 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 LAP JOINT SEALANT.
- 15. ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL AT OR WITHIN 6' OF EVERY RAFTER COLUMN.
- 16. CONTRACTOR TO PROVIDE ADEQUATE BRACING FOR STRUCTURE SO THAT IT WILL BE STABLE DURING ALL STAGES OF CONSTRUCTION. THE STRUCTURE AND FOUNDATION 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:

SDIL SITE CLASS = D RISK CATEGORY I

R = 3.25

 $I_E = 1.0$ $\vee = C_S W$ $S_{DS} = 2.625 g$

 $S_{D1} = 2.13 g$

- 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 MODRE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.
- 21. WHEN USING GENERIC MASTER DESIGNS TO OBTAIN BUILDING PERMIT, IT MUST BE ACCOMPANIED BY SUFFICIENT ADDITIONAL INFORMATION TO INDICATE THE LOCATION, NATURE, AND EXTEND OF THE CONSTRUCTION AND SHOW IN DETAIL THAT IT WILL CONFORM 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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NEWMART BUILDERS, INC. DRAWN BY: LT 1000 CYCLE LANE SOUTH HILL, VA 23970 24'-0"x12'-0" ENCLOSED STRUCTURE CHECKED BY: AM

PROJECT MGR: JRP DATE: 1-28-25 SCALE: NTS JUB NO: 24344S CLIENTI NEVMART DWG. ND SK-3 REV. 0 SHT. 3 BUILDERS

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)

DELAWARE BUILDING CODE (IBC 2012, IBC 2015, IBC 2018, IBC 2021 (DEPENDENT UPON LOCAL JURISDICTION))

MARYLAND BUILDING CODE 2021
(ADDPTS THE IBC 2021 WITH AMENDMENTS)
BALTIMORE CITY BUILDING CODE
(ADDPTS THE IBC 2021 WITH AMENDMENTS)
(IBC 2018, IBC 2021 (DEPENDENT UPON LOCAL JURISDICTION))

NEW JERSEY UCC BUILDING SUBCODE 2021 (ADDPTS THE IBC 2021 WITH AMENDMENTS)

NORTH CAROLINA BUILDING CODE 2018 (ADOPTS THE IBC 2015 WITH AMENDMENTS)

PENNSYLVANIA BUILDING CODE 2018
(ADDPTS THE IBC 2018 WITH AMENDMENTS)
PHILADELPHIA BUILDING CODE 2018
(ADDPTS THE IBC 2018 WITH AMENDMENTS)

SOUTH CAROLINA BUILDING CODE 2021 (ADDPTS 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)

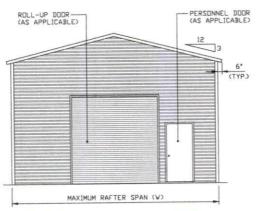
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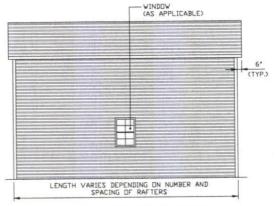
TYPICAL SIDE AND END ELEVATIONS

BOX EAVE FRAME RAFTER STRUCTURE



TYPICAL END ELEVATION

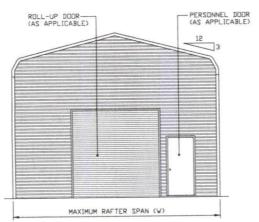
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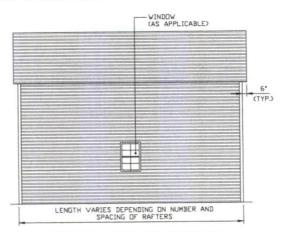
TYPICAL SIDE ELEVATION

SCALE: NTS

BOW EAVE FRAME RAFTER STRUCTURE



TYPICAL END ELEVATION



TYPICAL SIDE ELEVATION

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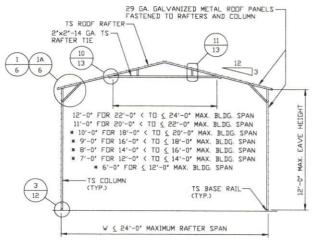
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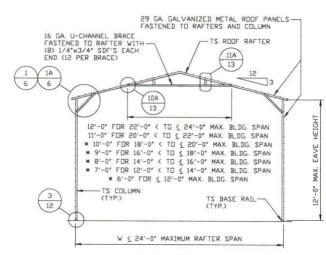
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TYPICAL INTERIOR RAFTER/COLUMN AND SIDE FRAMING SECTIONS (BOX EAVE RAFTER)



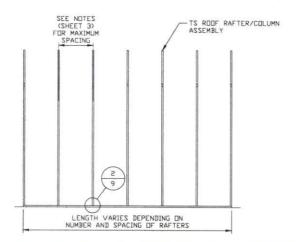
TYPICAL INTERIOR RAFTER/COLUMN FRAMING SECTION

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



ALTERATE INTERIOR RAFTER/COLUMN FRAMING SECTION

SCALE: NTS
* NOTE: VERTICAL STRUT NOT REQUIRED FOR THESE TIE LENGTHS.



TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

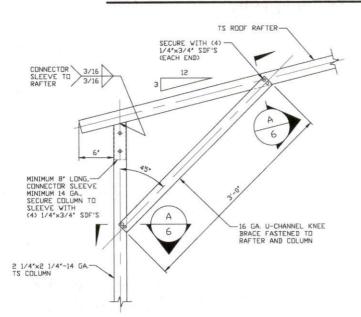
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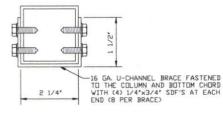
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COLUMN CONNECTION DETAIL (BOX EAVE RAFTER)

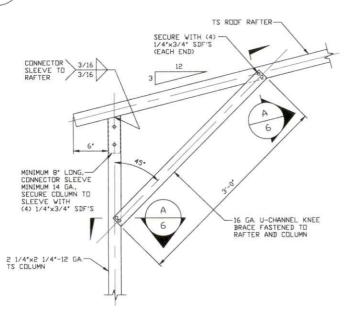




A BRACE SECTION

BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS ≤ 10'-0" @ 4'-0" O.C. FRAME SPACING

1



BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS & 12'-0' @ 3'-6' O.C. FRAME SPACING HEIGHTS & 11'-0' @ 4'-0' O.C. FRAME SPACING

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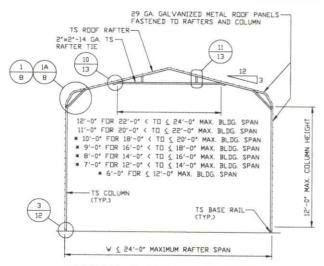
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1000 CYCLE LANE
SOUTH HILL, VA 23970
24'-0"x12'-0" ENCLOSED STRUCTURE

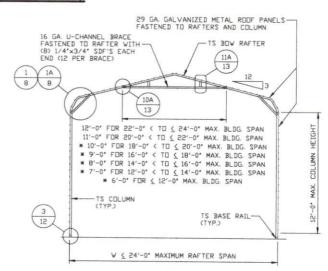
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TYPICAL INTERIOR RAFTER/COLUMN AND SIDE FRAMING SECTIONS (BOW EAVE RAFTER)



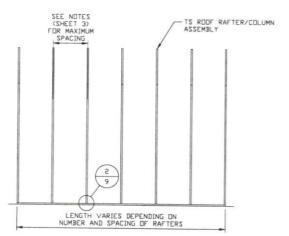
TYPICAL INTERIOR RAFTER/ COLUMN FRAMING SECTION

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



ALTERNATE INTERIOR RAFTER/ COLUMN FRAMING SECTION

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



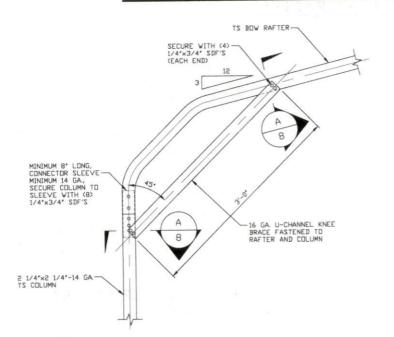
TYPICAL RAFTER/COLUMN SIDE FRAMING SECTION

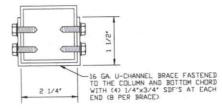
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COLUMN CONNECTION DETAIL (BOW EAVE RAFTER)





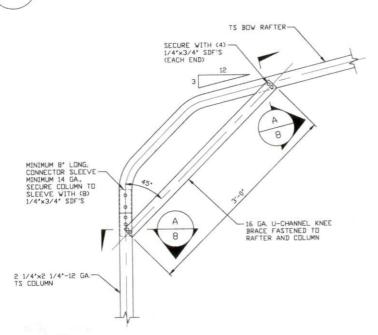
BRACE SECTION Α SCALE: NTS

BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS ≤ 10'-0" @ 4'-0" D.C. FRAME SPACING

SCALE: NTS

SCALE: NTS

1



BOW EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS & 12'-0' € 3'-6' D.C. FRAME SPACING HEIGHTS

11'-0" € 4'-0" □.C. FRAME SPACING 1A

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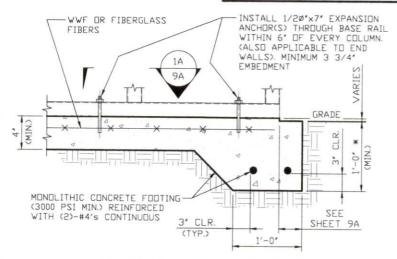
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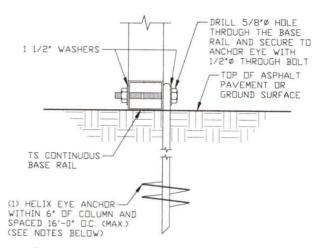
BASE RAIL ANCHORAGE OPTIONS





CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE

SCALE: NTS NOTE: MIN. ANCHOR EDGE DISTANCE IS 4" * COORDINATE WITH LOCAL BUILDING CODES/ORD.
REGARDING REQUIRED FOOTING DEPTH.





GROUND BASE HELIX ANCHORAGE

(CAN BE USED FOR ASPHALT) * COORDINATE WITH LOCAL CODES/ORD. REGARDING REQUIRED ANCHOR LENGTH.

GENERAL NOTES

NOTE: CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SDIL BEARING CAPACITY OF 1,500 PSF.

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:

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.

HELIX ANCHOR NOTES:

- FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE, PRELOADED 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 LODSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL, USE MINIMUM (2) 6' HELICES WITH MINIMUM 50' EMBEDMENT.
- 5. FOR VERY LODSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS, ALLUVIAL FILL, USE MINIMUM (2) 8' HELICES WITH MINIMUM 60' EMBEDMENT.

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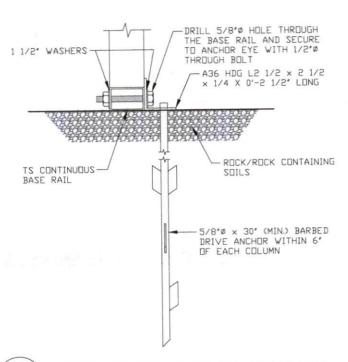
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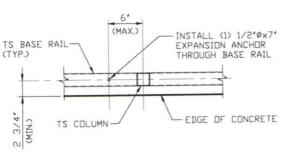
PROJECT MGR: JRP DATE: 1-28-25 SCALE: NTS JUB NO 24344S CLIENTI NEVMART SHT. 9 BUILDERS DWG. ND: SK-3 REV. 0

BASE RAIL ANCHORAGE OPTION

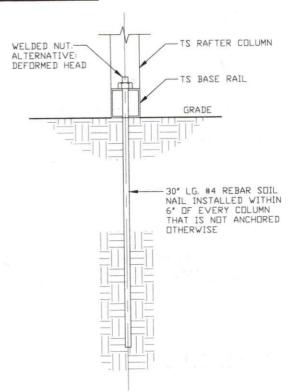


2B ALTERNATE GROUND BASED ANCHORAGE

SCALE: NTS * COORDINATE WITH LOCAL CODES/ORD. REGARDING REQUIRED ANCHOR LENGTH.



1A SECTION SCALE: NTS



2C GROUND BASE SOIL NAIL ANCHORAGE

Validity Notice

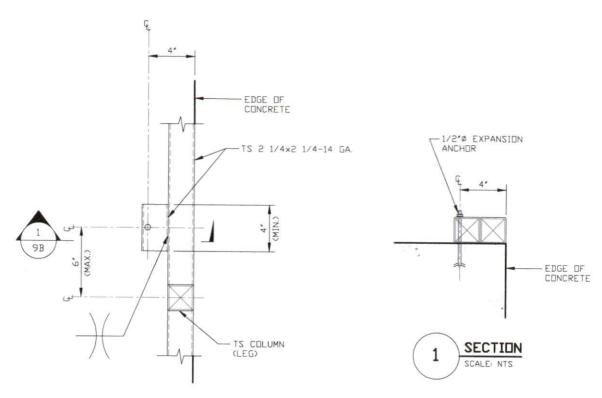
Plans Expiration Date:

| MOORE AND AS | SSOCIATES |
|--------------------|-----------------|
| ENGINEERING AND CO | ONSULTING, INC. |

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| PROJECT MGR: JRP | | SCALE NTS | Trest to | I. Vens |
|------------------|---------|-------------|----------|---------|
| CLIENT: NEVMART | SHT. 9A | DWG. ND SK- | 1 14130 | REV. 0 |

ADDITIONAL BASE RAIL ANCHORAGE OPTION



TYPICAL ANCHOR DETAIL WHEN BASE RAIL IS NEAR EDGE OF CONCRETE

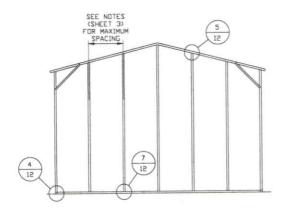
SCALE: NTS

Validity Notice

Plans Expiration Date:

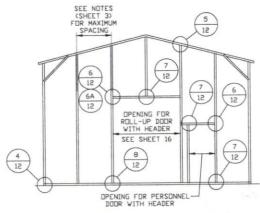
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|---|-----------------------------|--|-------------------------|----------|-------------------|
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| ENGINEERING AND CONSULTING, INC. | CHECKED BY: AM | SOUTH HILL, VA 23970 24'-0"x12'-0" ENCLOSED STRUCTU | | | |
| MOORE AND ASSOCIATES | DRAWN BY: LT | NE | WMART BUI 1000 CYCLE | | |

BOX EAVE RAFTER END WALL AND SIDE WALL OPENINGS



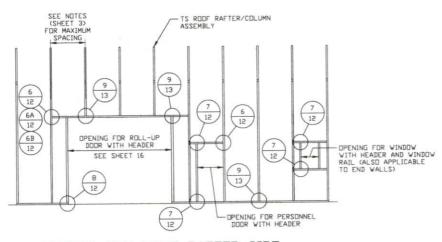
TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

SCALE: NTS



TYPICAL BOX EAVE RAFTER END WALL OPENING FRAMING SECTION

SCALE: NTS



TYPICAL BOX EAVE RAFTER SIDE WALL OPENINGS FRAMING SECTION

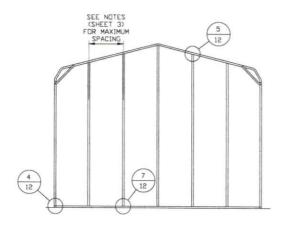
SCALE: NTS

Validity Notice

Plans Expiration Date:

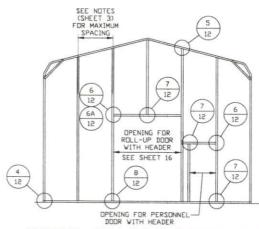
| ENGINEERING AND CONSULTING, INC. | PROJECT MGR: JRP | DATE: 1-29-25 | SCALE NTS | JUB ND 24344S |
|---|----------------------------------|--------------------------|----------------------------|------------------------------|
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BOW EAVE RAFTER END WALL AND SIDE WALL OPENINGS



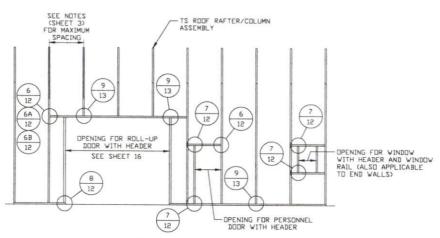
TYPICAL BOW EAVE RAFTER END WALL FRAMING SECTION

SCALE: NTS



TYPICAL BOW EAVE RAFTER END WALL OPENING FRAMING SECTION

SCALE: NTS



TYPICAL BOW EAVE RAFTER SIDE WALL OPENINGS FRAMING SECTION

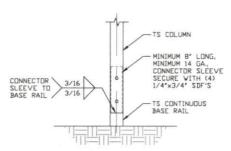
SCALE: NTS

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|--|---|--------------------------|---|--|--------|--|--|
| ENGINEERING AND CONSULTING, INC. | CHECKED BY: AM | | SOUTH HILL, VA 23970 24'-0"x12'-0" ENCLOSED STRUCT | | | | |
| MOORE AND ASSOCIATES | DRAWN BY: LT | NE | NEWMART BUILDERS, INC. 1000 CYCLE LANE | | | | |

CONNECTION DETAILS



RAFTER COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS

TS COLUMN

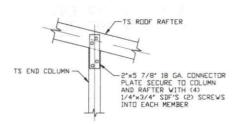
MINIMUM 8' LONG, MINIMUM
14 GA, CONNECTOR
SLEEVE SECURE WITH
(4) 1/4'x3/4' SDF'S

CONNECTOR
SLEEVE TO
3/16

ANGLE SECURE TO RAFTER
COLUMN AND BASE RAIL
WITH (4) 1/4'x3/4' SDF'S

TS CONTINUOUS
BASE RAIL

4 END COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS



TS COLUMN
OR END COLUMN
OR END COLUMN
2'x2'x2' 14 GA. ANGLE
CLIP SECURE TO COLUMN
AND HEADER/RAIL WITH
(4) #12-14x3/4' SDF'S

TS HEADER DR
WINDOW RAIL

TS HEADER

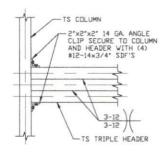
TS END COLUMN
2'x2"x2" | 14 GA. ANGLE
CLIP SECURE TO COLUMN
AND HEADER VITH (4)
812-14x3/4' SDF'S

3-12
TS DOUBLE HEADER

5 END COLUMN/RAFTER CONNECTION DETAIL
SCALE: NTS

6 COLUMN OR WINDOW
RAIL TO COLUMN
CONNECTION DETAIL
SCALE: NTS

DOUBLE HEADER
TO COLUMN
CONNECTION DETAIL
SCALE NTS



TS END COLUMN
OR DOOR WINDOW
FRAME POST

TS HEADER, BASE
RAIL OR WINDOW
ROPENINGS.
ROPPOSITE THE
OPPOSITE THE
OPPOSITE

7 COLUMN OR WINDOW RAIL TO COLUMN CONNECTION DETAIL

SCALE: NTS

8 COLUMN/BASE RAIL
CONNECTION DETAIL
SCALE: NTS

CONNECTOR 3/16
SLEEVE TO 3/16
BASE RAIL 3/16

TRIPLE HEADER
TO COLUMN
CONNECTION DETAIL
SCALE: NTS

Validity Notice

TS COLUMN

MINIMUM 8' LONG, MINIMUM 14 GA., CONNECTOR SLEEVE SECURE EACH WITH (4) 14/"x3/4" SDF'S

TS CONTINUOUS BASE RAIL

Plans Expiration Date:

28 January 2026

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.

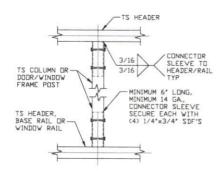
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DRAWN BY: LT

NEWMART BUILDERS, INC.
1000 CYCLE LANE
SOUTH HILL, VA 23970
24'-0"x12'-0" ENCLOSED STRUCTURE

PROJECT MGR: JRP
DATE: 1-28-25 SCALE: NTS JOB NO: 24344S
CLIENT: NEWMART
BUILDERS
SHT. 12 DWG. ND: SK-3 REV. 0

CONNECTION DETAILS



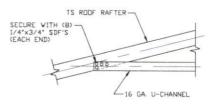
COLUMN TO HEADER OR BASE RAIL CONNECTION DETAIL

9

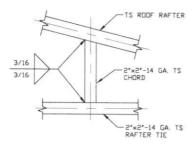
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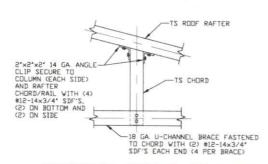
10 ROOF RAFTER TIE CONNECTION DETAIL



10A ROOF RAFTER TIE CONNECTION DETAIL
SCALE: NTS



RAFTER TIE TO CHORD CONNECTION DETAIL
SCALE: NTS



RAFTER/U-CHANNEL TO CHORD CONNECTION DETAIL

SCALE: NTS

Validity Notice

Plans Expiration Date:

28 January 2026

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.

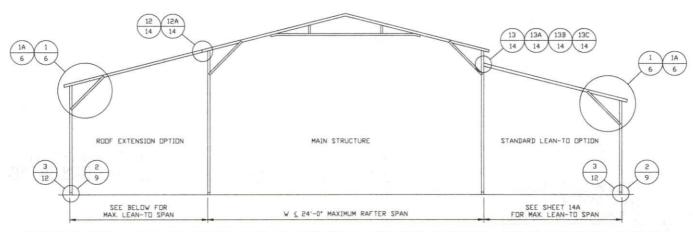
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DRAWN BY: LT

NEWMART BUILDERS, INC. 1000 CYCLE LANE SOUTH HILL, VA 23970 24'-0"x12'-0" ENCLOSED STRUCTURE

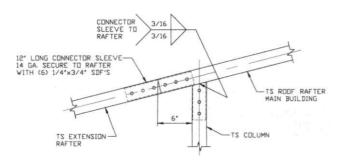
PROJECT MGR: JRP DATE: 1-28-25 SCALE: NTS JOB NO: 24344S
CLIENT: NEVMART BUILDERS SHT. 13 DVG. ND: SK-3 REV.: 0

BOX EAVE RAFTER LEAN-TO OPTIONS

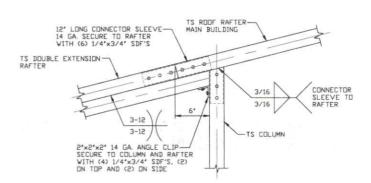


TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

NOTES: 1. REFER TO SHEET 6 FOR MAIN BUILDING COLUMNS HEIGHTS AND TYPES. 2. LEAN-TO COLUMN SPACING SHALL MATCH MAIN BUILDING.



SIDE EXTENSION RAFTER/COLUMN DETAIL FOR WIDTHS ≤ 11'-0" 12



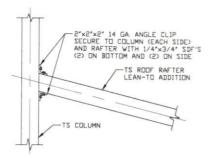
SIDE EXTENSION RAFTER/ COLUMN DETAIL FOR WIDTHS 11'-0" < T□ < 14'-0" 12A SCALE: NTS

Validity Notice

Plans Expiration Date:

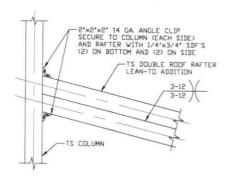
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|---|-----------------------------|--|-------------|--------------|--------|--|
| | PROJECT MGR: JRP | DATE: 1-28-25 | SCALE: NTS | JOB NO | 243445 | |
| ENGINEERING AND CONSULTING, INC. | CHECKED BY: AM | The state of the s | | ED STRUCTURE | | |
| MOORE AND ASSOCIATES | DRAWN BY: LT | NEWMART BUILDERS, INC. 1000 CYCLE LANE SOUTH HILL, VA 23970 | | | | |

BOX EAVE RAFTER LEAN-TO OPTIONS



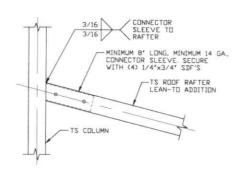
LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR WIDTHS ≤ 11'-0" 13

SCALE: NTS



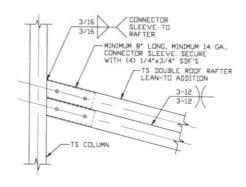
LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR WIDTHS 11'-0" < T□ ≤ 14'-0" 13B

SCALE: NTS



LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR WIDTHS ≤ 11'-0" 13A

SCALE: NTS



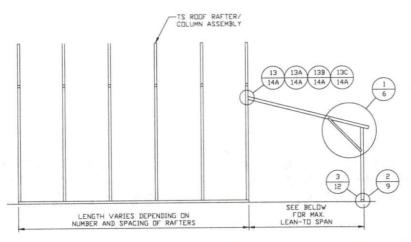
LEAN-TO RAFTER TO RAFTER COLUMN CONNECTION DETAIL FOR WIDTHS 11'-0" < T□ < 14'-0"

13C

Validity Notice Plans Expiration Date:

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BOX EAVE END WALL LEAN-TO OPTIONS



TYPICAL BOX EAVE RAFTER END WALL LEAN-TO OPTIONS FRAMING SECTION

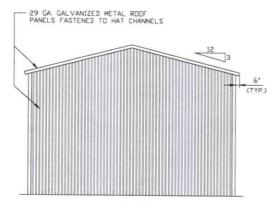
SCALE: NTS
NDTES: 1. REFER TO SHEET 6 FOR MAIN BUILDING COLUMNS HEIGHTS AND TYPES.
2. LEAN-TO COLUMN SPACING SHALL MATCH MAIN BUILDING.

Validity Notice

Plans Expiration Date:

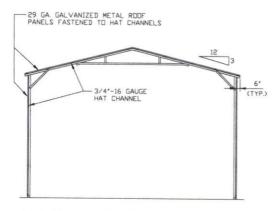
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|---|------------------|---------------|--------------------------|---------------|
| MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC. | CHECKED BY: AM | | VA 23970 ED STRUCTURE | |

BOX EAVE RAFTER VERTICAL ROOF/SIDING OPTION



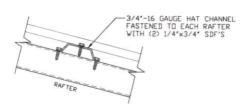
TYPICAL END ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



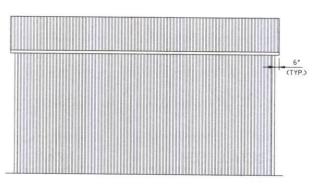
TYPICAL SECTION
VERTICAL ROOF/SIDING OPTION

SCALE: NTS



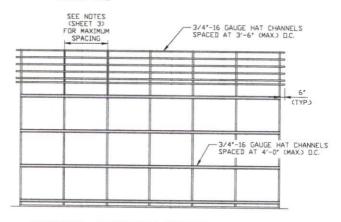
PANEL ATTACHMENT

(ALTERNATE FOR VERTICAL ROOF PANELS)
SCALE: NTS



TYPICAL SIDE ELEVATION VERTICAL ROOF/SIDING

SCALE: NTS



TYPICAL FRAMING SECTION VERTICAL ROOF/SIDING OPTION

SCALE: NTS

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Plans Expiration Date:

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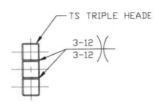
| DRAWN BY: LT | NEWMART BUILDERS, INC. 1000 CYCLE LANE |
|----------------|--|
| CHECKED BY: AM | SOUTH HILL, VA 23970 24'-0"x12'-0" ENCLOSED STRUCTURE |
| | |

 PROJECT MGR: JRP
 DATE: 1-28-25
 SCALE: NTS
 JDB ND: 24344S

 CLIENT: NEVMART BUILDERS
 SHT. 15
 DVG. ND: SK-3
 REV.: 0

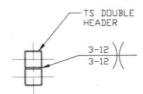
SIDE WALL HEADER OPTIONS

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



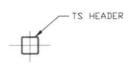


SCALE: NTS



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

SCALE: NTS

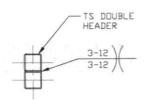


HEADER DETAIL FOR LENGTH ≤ 5'-0"

SCALE: NTS

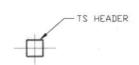
END WALL HEADER OPTIONS

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



HEADER DETAIL FOR 8'-0" < LENGTH \(\) 12'-0"

SCALE: NTS



HEADER DETAIL FOR LENGTH ≤ 8'-0'

SCALE: NTS

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| MOORE AND ASSOCIATES | DRAWN BY: LT | NEWMART BUILDERS, INC. 1000 CYCLE LANE SOUTH HILL, VA 23970 | | | |
|---|-----------------------------|---|----------------|--------|--------|
| ENGINEERING AND CONSULTING, INC. | CHECKED BY: AM | | 12'-0" ENCLOSI | | |
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