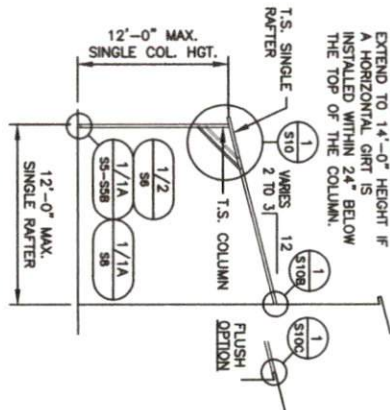
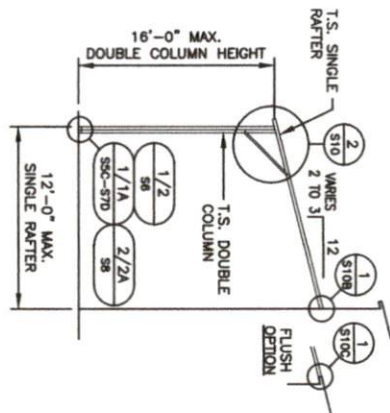
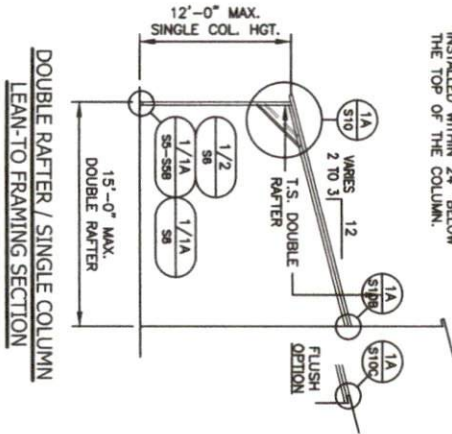


NOTE:  
SINGLE LEG LEAN-TO MAY  
EXTEND TO 14'-0" HEIGHT IF  
A HORIZONTAL GIRT IS  
INSTALLED WITHIN 24" BELOW  
THE TOP OF THE COLUMN.

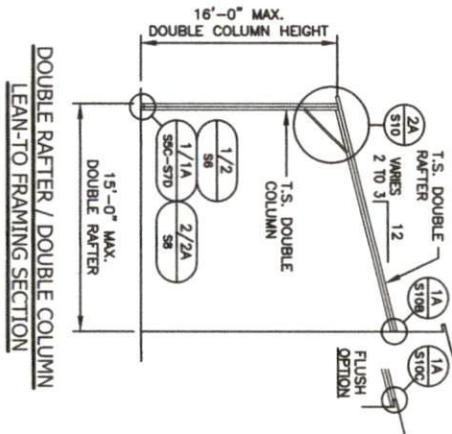


SINGLE RAFTER / SINGLE COLUMN  
LEAN-TO FRAMING SECTION

NOTE:  
SINGLE LEG LEAN-TO MAY  
EXTEND TO 14'-0" HEIGHT IF  
A HORIZONTAL GIRT IS  
INSTALLED WITHIN 24" BELOW  
THE TOP OF THE COLUMN.

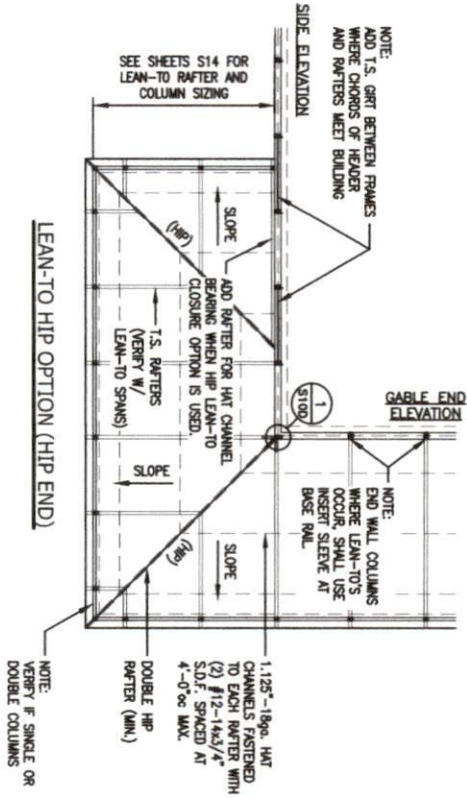
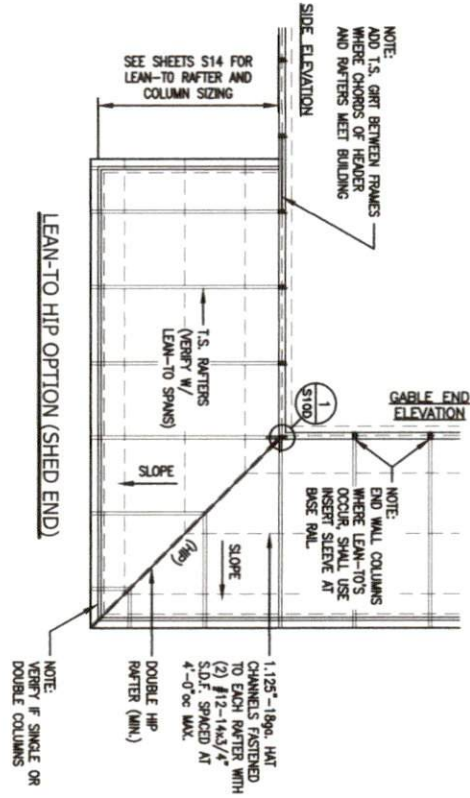


SINGLE RAFTER / DOUBLE COLUMN  
LEAN-TO FRAMING SECTION



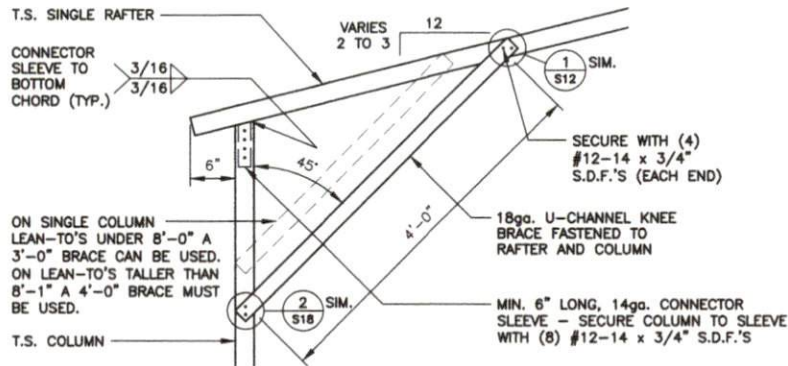
|                                                                                     |                                                                    |                                                                                                                                                                                      |                                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
|  | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p> | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p>                                                                            | <p>Project No.<br/>0125-0132</p> |
|                                                                                     | <p>Date:<br/>02/27/25</p> <p>Revisions:<br/>-</p>                  | <p>ENCLOSED GABLE END BUILDING</p> <p>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> | <p>Sheet No.<br/>S9</p>          |

# LEAN-TO HIP FRAMING OPTIONS



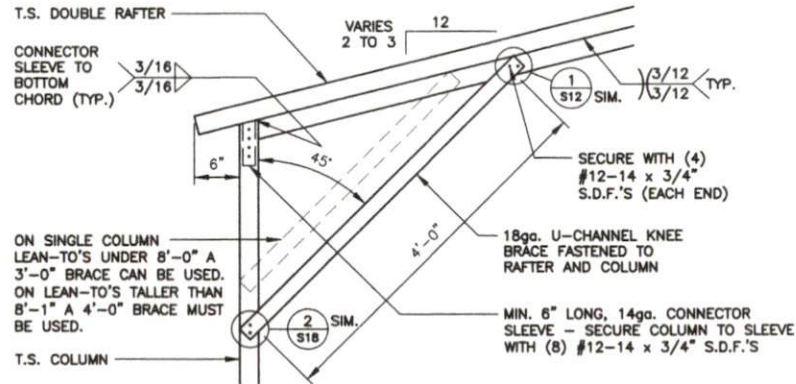
|  |                                                                    |                                                                                                                                                   |                                                                                                           |  |                                  |
|--|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--|----------------------------------|
|  | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p> |                                                                                                                                                   | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p> |  | <p>Project No.<br/>0125-0132</p> |
|  | <p>ENCLOSED GABLE END BUILDING</p>                                 |                                                                                                                                                   |                                                                                                           |  | <p>Sheet No.<br/>S9A</p>         |
|  | <p>Date:<br/>02/27/25</p>                                          | <p>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |                                                                                                           |  |                                  |

# LEAN-TO FRAMING OPTIONS



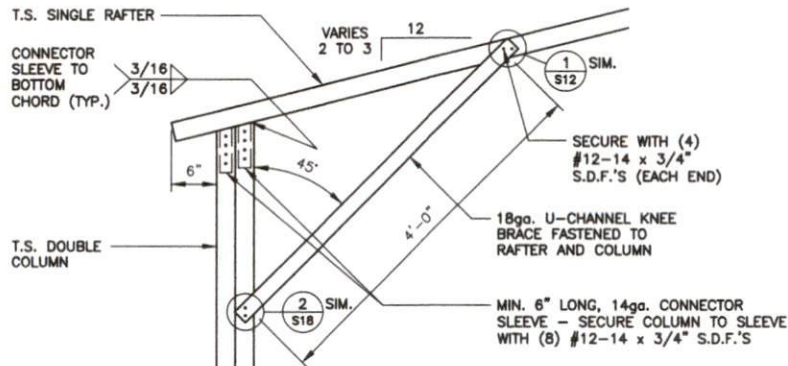
LEAN-TO SINGLE RAFTER / SINGLE COLUMN  
CONNECTION DETAIL

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



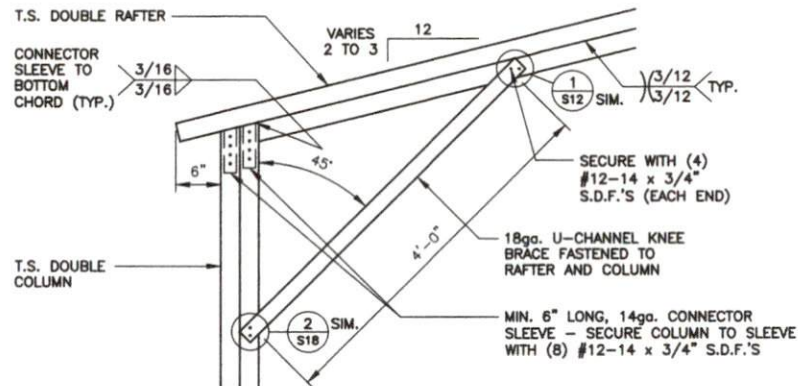
LEAN-TO DOUBLE RAFTER / SINGLE COLUMN  
CONNECTION DETAIL

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



LEAN-TO SINGLE RAFTER / DOUBLE COLUMN  
CONNECTION DETAIL

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

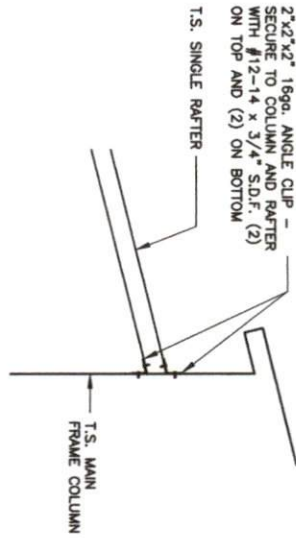


LEAN-TO DOUBLE RAFTER / DOUBLE COLUMN  
CONNECTION DETAIL

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

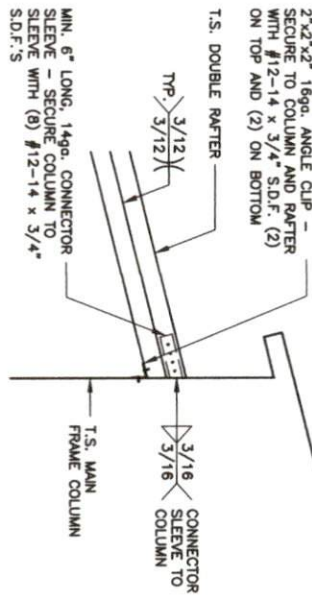
|                                                                                                            |                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p>  | <p>Project No.<br/>0125-0132<br/>Sheet No.<br/>S10</p>                                                                                                                             |
| <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p>                                         | <p>ENCLOSED GABLE END BUILDING<br/>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |
| <p>Date:<br/>02/27/25</p>                                                                                  | <p>Revisions:</p>                                                                                                                                                                  |
| <p>NORTH CAROLINA<br/>PROFESSIONAL<br/>SEAL<br/>27874<br/>ENGINEER<br/>JASON M. REEP</p> <p>02/28/2025</p> |                                                                                                                                                                                    |

# LEAN-TO FRAMING OPTIONS



LEAN-TO SINGLE RAFTER / BUILDING FRAME  
CONNECTION DETAIL

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

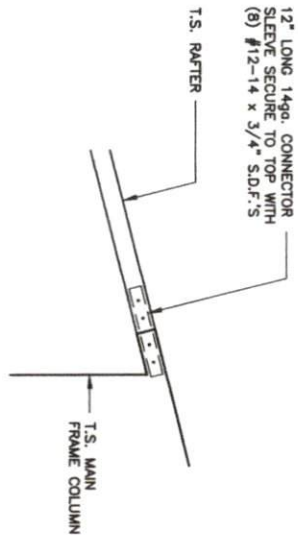


LEAN-TO DOUBLE RAFTER / BUILDING FRAME  
CONNECTION DETAIL

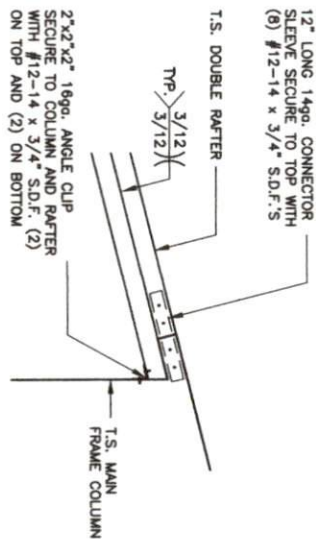
SCALE: 3/4" = 1'-0"

|  |                                                                    |  |                                                                                                                                                                                   |  |                                  |
|--|--------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|
|  | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p> |  | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p>                                                                         |  | <p>Project No.<br/>0125-0132</p> |
|  | <p>Date:<br/>02/27/25</p> <p>Revisions:<br/>-</p>                  |  | <p>ENCLOSED GABLE END BUILDING<br/>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |  | <p>Sheet No.<br/>S10B</p>        |

LEAN-TO FRAMING OPTIONS



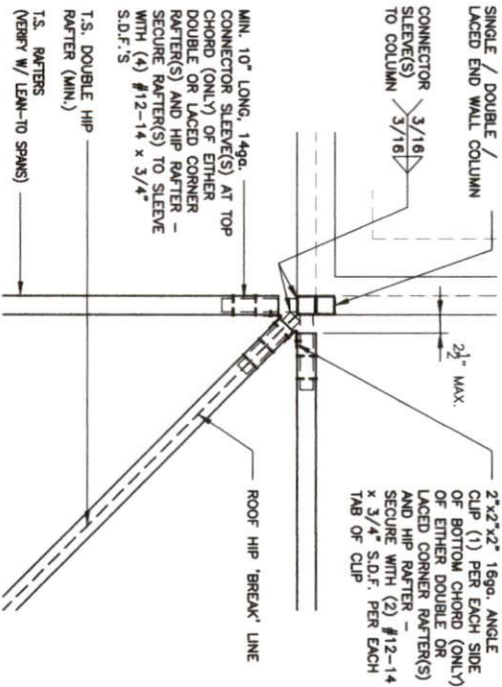
1  
S10C  
LEAN-TO SINGLE RAFTER / BUILDING FRAME  
(FLUSH) CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"



1A  
S10C  
LEAN-TO SINGLE RAFTER / BUILDING FRAME  
(FLUSH) CONNECTION DETAIL  
SCALE: 3/4" = 1'-0"

|             |                                                   |                                                                                                                                                                                      |  |                                                                                                           |                                                            |
|-------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|             | <p>Date:<br/>02/27/25</p> <p>Revisions:<br/>-</p> | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p>                                                                                                                   |  | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p> | <p>Project No.<br/>0125-0132</p> <p>Sheet No.<br/>S10C</p> |
| <p>VI.6</p> |                                                   | <p>ENCLOSED GABLE END BUILDING</p> <p>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |  |                                                                                                           |                                                            |

LEAN-TO FRAMING OPTIONS

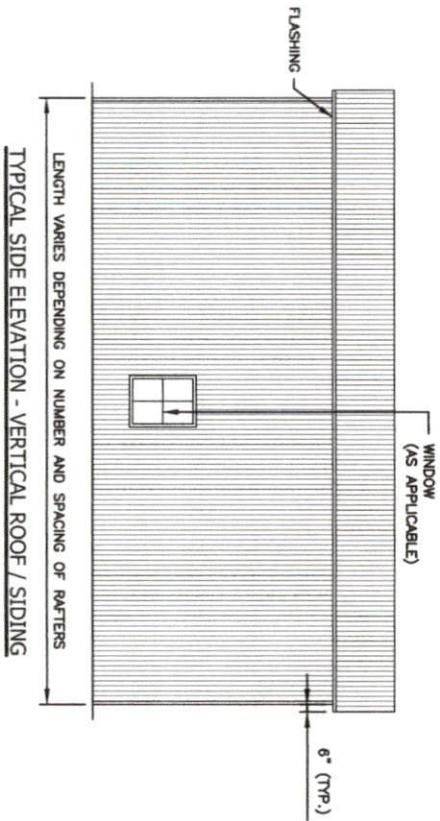
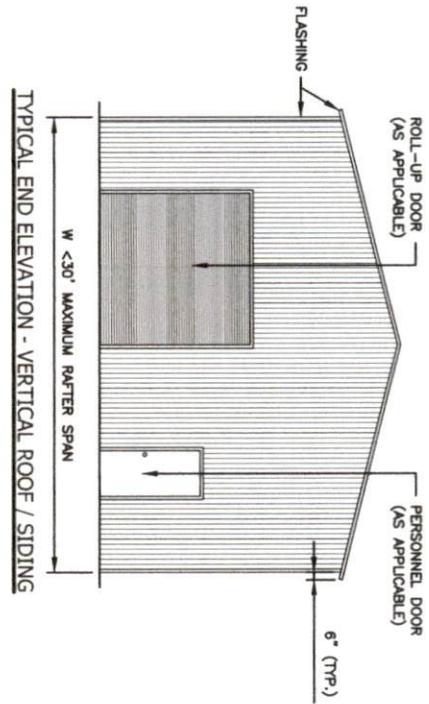


END WALL COLUMN / HIP RAFTER CONNECTION DETAIL

1  
S10D  
SCALE:  $\frac{3}{4}$ " = 1'-0"

|  |                                                           |                                                                                                                                         |                                                                                                |  |                          |
|--|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|--------------------------|
|  | Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323 |                                                                                                                                         | <b>JCMT</b><br>ASSOCIATES, PLLC<br>211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 |  | Project No.<br>0125-0132 |
|  | ENCLOSED GABLE END BUILDING                               |                                                                                                                                         |                                                                                                |  | Sheet No.<br>S10D        |
|  | Date:<br>02/27/25                                         | MAXIMUM >0' TO <30' WIDE $\times$ <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |                                                                                                |  |                          |

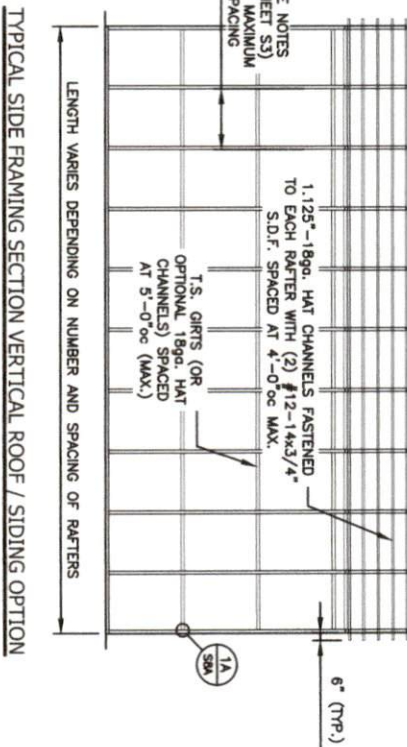
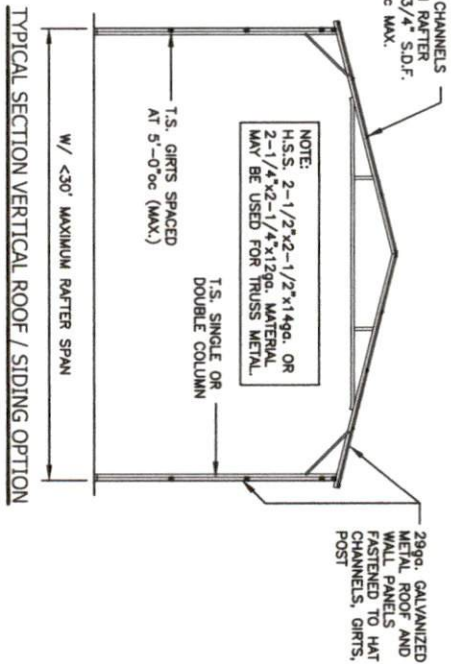
VERTICAL ROOF / SIDING OPTION



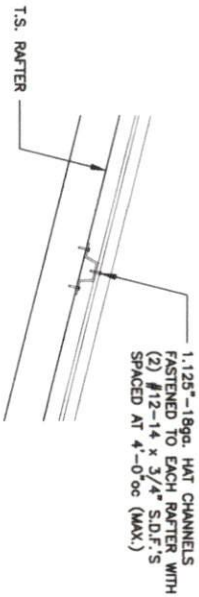
|                                                                                     |                                                   |                                                                    |                                    |                                                                                                           |                                                           |
|-------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|  | <p>Date:<br/>02/27/25</p> <p>Revisions:<br/>-</p> | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p> | <p>ENCLOSED GABLE END BUILDING</p> | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p> | <p>Project No.<br/>0125-0132</p> <p>Sheet No.<br/>S11</p> |
|                                                                                     |                                                   |                                                                    |                                    |                                                                                                           |                                                           |
|                                                                                     |                                                   |                                                                    |                                    |                                                                                                           |                                                           |

# VERTICAL ROOF / SIDING OPTION

# VERTICAL ROOF / SIDING OPTION



# (TYPICAL) ROOF PANEL ATTACHMENT



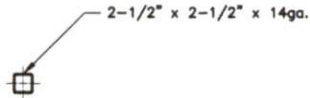
|                   |  |                                                                                                                                                                 |  |                                                                 |  |                          |  |
|-------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|--------------------------|--|
|                   |  | <b>Gabrielle Alvarado</b><br>299 Wire Rd.<br>Bunnlevel, NC 28323                                                                                                |  | <br>211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 |  | Project No.<br>0125-0132 |  |
| Date:<br>02/27/25 |  | ENCLOSED GABLE END BUILDING<br>MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |  |                                                                 |  | Sheet No.<br>S11A        |  |
| Revisions:<br>-   |  |                                                                                                                                                                 |  |                                                                 |  |                          |  |

**GENERAL NOTE:**

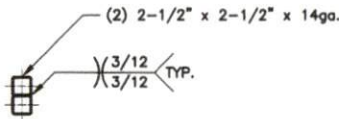
PROVIDE DOUBLE WYTHER HEADER  
ON DOUBLE COLUMNS.

HEADER OPTIONS

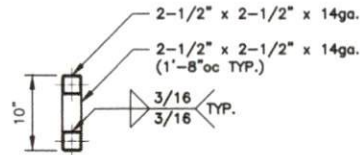
SIDE WALL HEADER OPTIONS



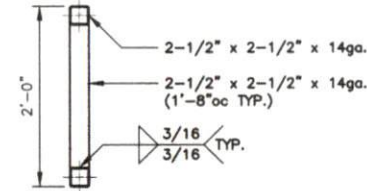
SINGLE T.S. HEADER DETAIL  
FOR OPENINGS <4'-0"



DOUBLE T.S. HEADER DETAIL  
FOR OPENINGS >4'-0" TO <12'-0"

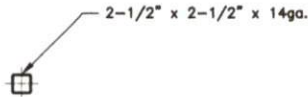


LACED T.S. HEADER DETAIL  
FOR OPENINGS >12'-1" TO <15'-0"

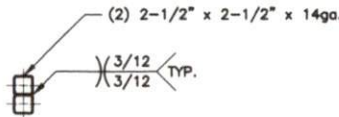


LACED T.S. HEADER DETAIL  
FOR OPENINGS >15'-1" TO <20'-0"

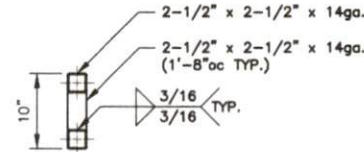
END WALL HEADER OPTIONS



SINGLE T.S. HEADER DETAIL  
FOR OPENINGS <7'-0"

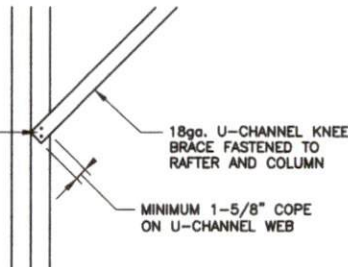


DOUBLE T.S. HEADER DETAIL  
FOR OPENINGS >7'-1" TO <16'-0"



LACED T.S. HEADER DETAIL  
FOR OPENINGS >16'-1" TO <20'-0"

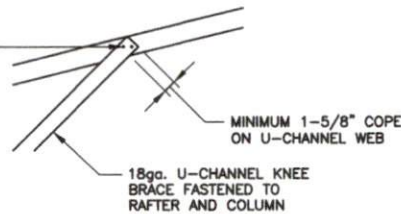
SECURE WITH (4) W12-14x3/4"  
S.D.F.'S (EACH END) MINIMUM  
11/16" SPACING FROM  
FASTENER TO FASTENER AND  
FROM FASTENER TO EDGE



1 U-CHANNEL TO COLUMN CONNECTION DETAIL

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

SECURE WITH (4) W12-14x3/4"  
S.D.F.'S (EACH END) MINIMUM  
11/16" SPACING FROM  
FASTENER TO FASTENER AND  
FROM FASTENER TO EDGE



2 U-CHANNEL TO TRUSS CONNECTION DETAIL

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

**JCMT**  
ASSOCIATES, PLLC  
211 Stone Drive  
Pilot Mountain, NC 27041  
336-399-6277

Gabrielle Alvarado  
299 Wire Rd.  
Bunnlevel, NC 28323

ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)  
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)

Date:  
02/27/25

Revisions:



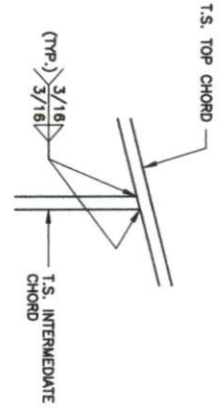
02/28/2025

V1.6

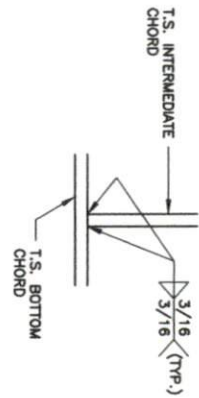
Project No.  
0125-0132

Sheet No.  
S12

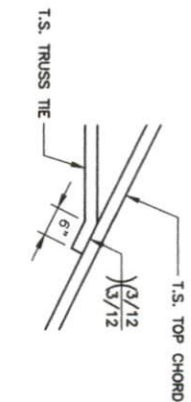
# TRUSS CONNECTION DETAILS



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



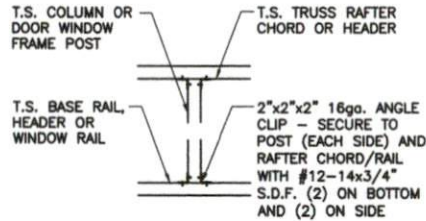
2  
S8B  
INTERMEDIATE CHORD / BOTTOM  
CHORD CONNECTION DETAIL  
SCALE: 1/2" = 1'-0"



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

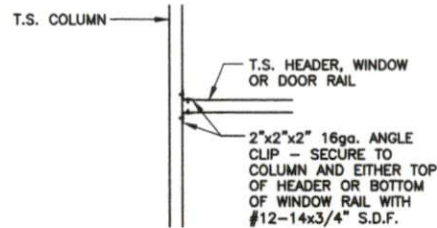
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|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|--|----------------------------------|
|                           | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p>                                                                                                                   |  | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p> |  | <p>Project No.<br/>0125-0132</p> |
|                           | <p>ENCLOSED GABLE END BUILDING</p> <p>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |  |                                                                                                           |  | <p>Sheet No.<br/>S8B</p>         |
| <p>Date:<br/>02/27/25</p> |                                                                                                                                                                                      |  |                                                                                                           |  |                                  |
| <p>Revisions:</p>         |                                                                                                                                                                                      |  |                                                                                                           |  |                                  |

# CONNECTION DETAILS



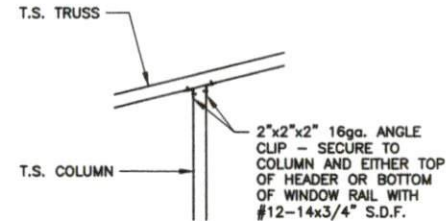
1  
SBA POST TO TRUSS / HEADER  
CONNECTION DETAIL

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



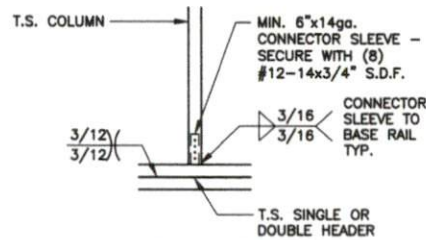
1A  
SBA HEADER RAIL TO POST  
CONNECTION DETAIL

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



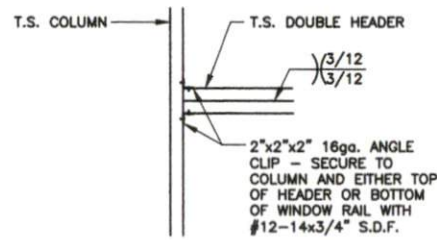
1B  
SBA POST TO TRUSS  
CONNECTION DETAIL

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



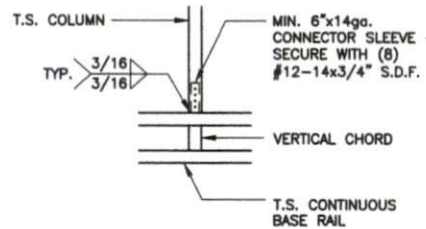
2  
SBA POST TO DOUBLE HEADER  
CONNECTION DETAIL

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



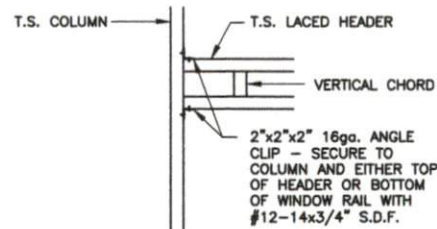
2A  
SBA DOUBLE HEADER TO POST  
CONNECTION DETAIL

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



3  
SBA POST TO LACED HEADER  
CONNECTION DETAIL

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

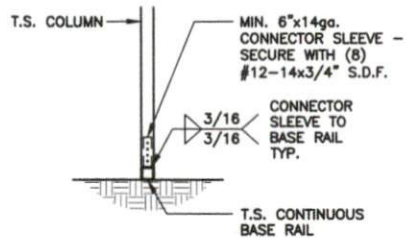


3A  
SBA LACED HEADER TO POST  
CONNECTION DETAIL

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

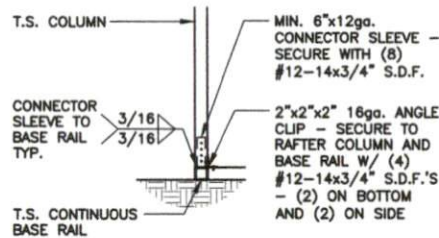
|                                                                                                |                                                                                                                                                                  |                  |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>JCMT</b><br>ASSOCIATES, PLLC<br>211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 | Project No.<br>0125-0132                                                                                                                                         | Sheet No.<br>S8A |
|                                                                                                | ENCLOSED GABLE END BUILDING<br>MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |                  |
| Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323                                      | Date:<br>02/27/25                                                                                                                                                | Revisions:       |
| <div style="text-align: center;"> <p>02/28/2025</p> </div>                                     |                                                                                                                                                                  |                  |

# BASE RAIL CONNECTION DETAILS



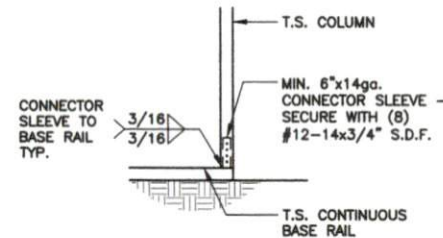
1  
S8  
COLUMN / BASE RAIL  
CONNECTION DETAIL

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



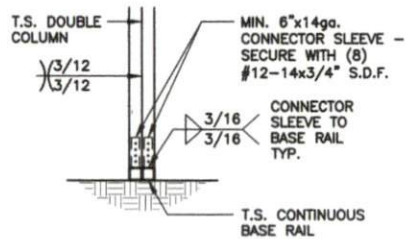
1A  
S8  
END COLUMN / BASE RAIL  
CONNECTION DETAIL

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



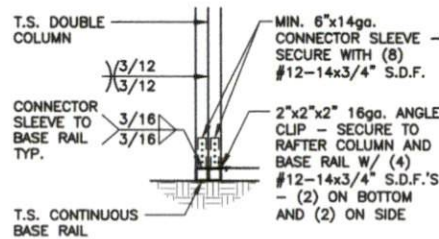
1B  
S8  
COLUMN / BASE RAIL  
CONNECTION DETAIL

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



2  
S8  
COLUMN / BASE RAIL  
CONNECTION DETAIL

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



2A  
S8  
END COLUMN / BASE RAIL  
CONNECTION DETAIL

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

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)  
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)

Project No.  
0125-0132

Sheet No.  
S8

Date:  
02/27/25

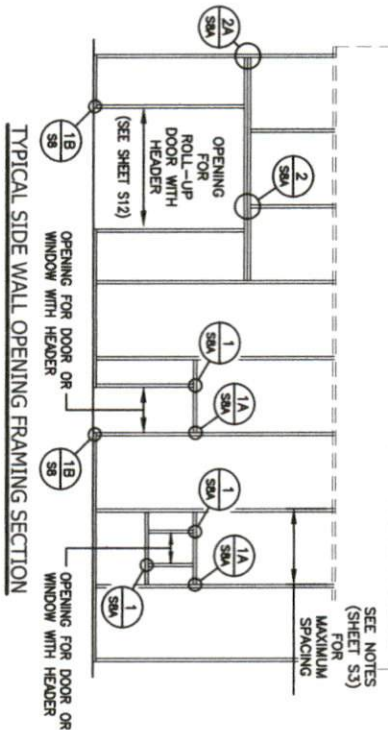
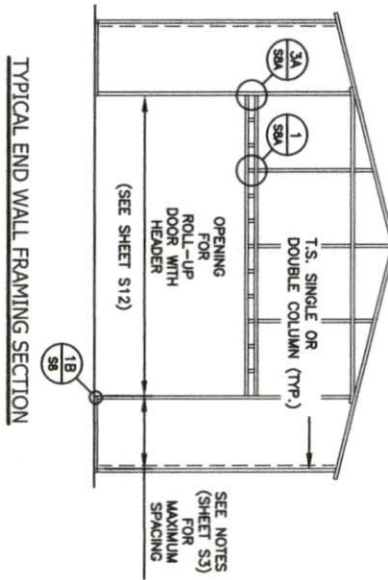
Revisions:



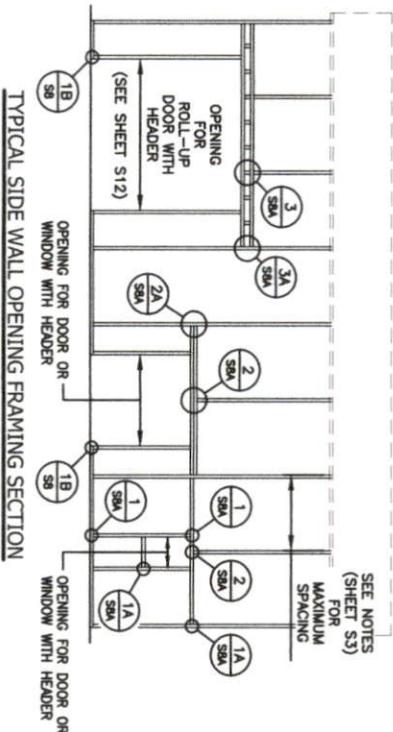
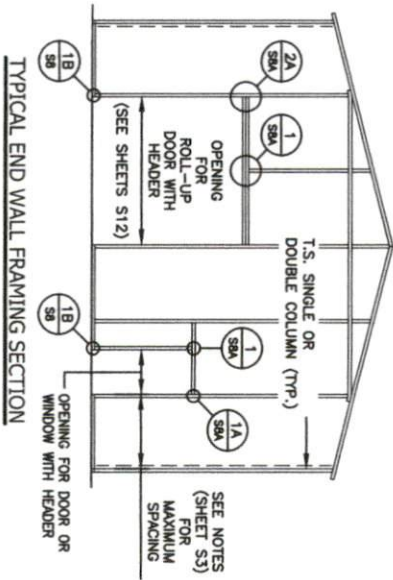
VL6

# TYPICAL SIDE / END WALL OPENING FRAMING SECTIONS

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

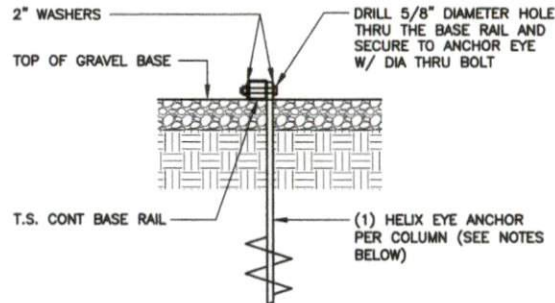


NOTE:  
ROLL UP DOORS SHALL HAVE ONE JAMB  
EACH SIDE + ONE FRAME COLUMN BETWEEN  
OR SITE SPECIFIC SHALL BE REQ'D.



|  |                                                                    |                                                                                                                                                   |                                                                                                           |  |                                  |                         |
|--|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--|----------------------------------|-------------------------|
|  | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p> |                                                                                                                                                   | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p> |  | <p>Project No.<br/>0125-0132</p> |                         |
|  | <p>ENCLOSED GABLE END BUILDING</p>                                 |                                                                                                                                                   |                                                                                                           |  |                                  | <p>Sheet No.<br/>S7</p> |
|  | <p>Date:<br/>02/27/25</p>                                          | <p>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |                                                                                                           |  |                                  |                         |

# ALTERNATE ANCHORAGE OPTIONS



1  
S6 BASE RAIL ANCHORAGE DETAIL  
SCALE: 3/4" = 1'-0"

## HELIX EMBEDMENT INFORMATION:

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

FOR CORAL, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

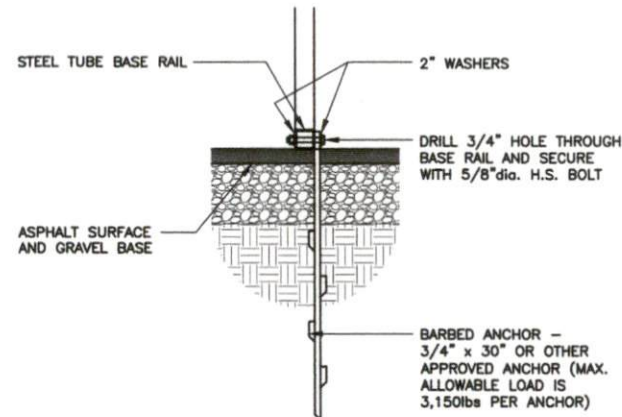
FOR MED DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILTS, AND CLAYS, USE MIN (2) 4" HELICES WITH MINIMUM 30" EMBEDMENT OR SINGLE 6" HELIX WITH 50" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, USE MIN (2) 6" HELICES WITH MINIMUM 50" EMBEDMENT - ONE EACH END BASE RAIL AND 25'oc MAX. WITH #4 REBAR AT 5'-0"oc BETWEEN.

FOR VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS AND ALLUVIAL FILL, USE MIN (2) 8" HELICES WITH MINIMUM 60" EMBEDMENT - ONE EACH END BASE RAIL AND 25'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.



2  
S6 ASPHALT / BASE RAIL ANCHORAGE DETAIL  
SCALE: 3/4" = 1'-0"

## BARBED ANCHOR EMBEDMENT INFORMATION:

(1) ASPHALT ANCHOR WITHIN 6" OF EACH COLUMN.

## NOTE:

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

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Project No.  
0125-0132

Sheet No.  
S6

ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)  
(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)

Date:  
02/27/25

Revisions:



VL6



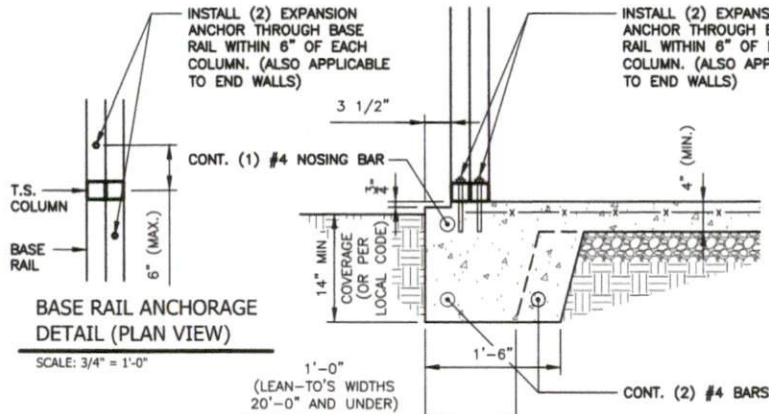
# DOUBLE COLUMN OPTIONS (ANCHOR BOLTS)

| ANCHORAGE BOLT SCHEDULE |                                |
|-------------------------|--------------------------------|
| WIND SPEED              | BOLT SIZE                      |
| UP TO 115 M.P.H.        | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 125 M.P.H.        | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 135 M.P.H.        | 1/2" x 8" EXPANSION ANCHOR     |
| UP TO 145 M.P.H.        | 1/2" x 8" EXPANSION ANCHOR     |

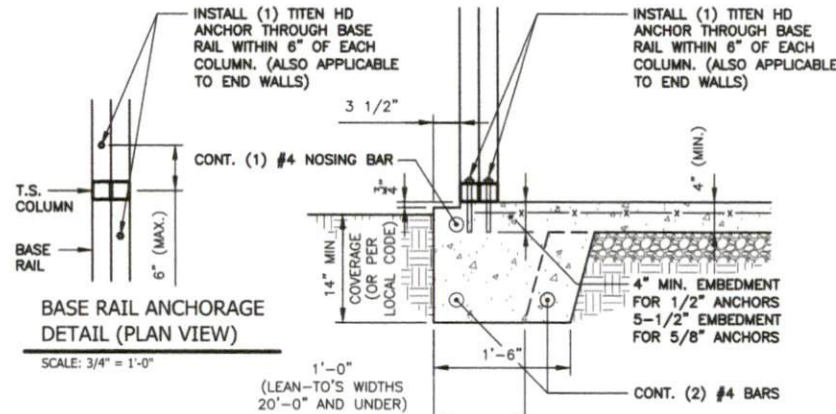
GENERAL NOTE:  
ALL CONCRETE STRUCTURAL SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,000 P.S.F.  
CONCRETE:  
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.  
COVER OVER REINFORCING STEEL:  
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER AC-308, 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 PRELAPLACED FIBER REINFORCEMENT.  
REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:  
1. REINFORCEMENT IS BENT COLD.  
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN 36-BAR DIAMETERS.  
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

# DOUBLE COLUMN OPTIONS (TITEN HD ANCHORS)

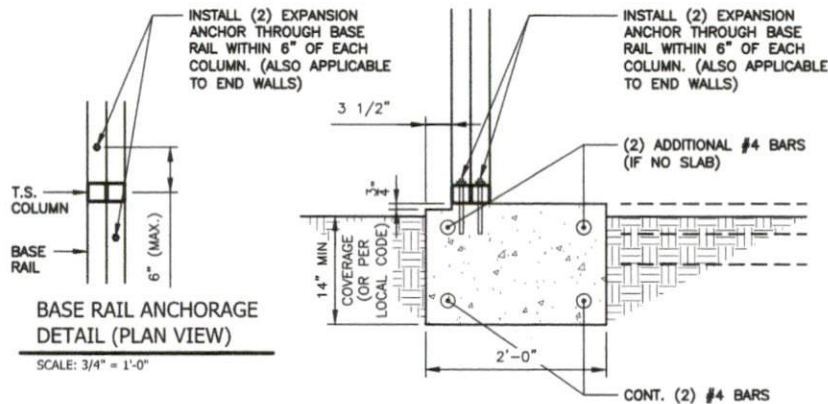
| ANCHORAGE BOLT SCHEDULE |                                    |
|-------------------------|------------------------------------|
| WIND SPEED              | BOLT SIZE                          |
| UP TO 115 M.P.H.        | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 125 M.P.H.        | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 135 M.P.H.        | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |
| UP TO 145 M.P.H.        | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |



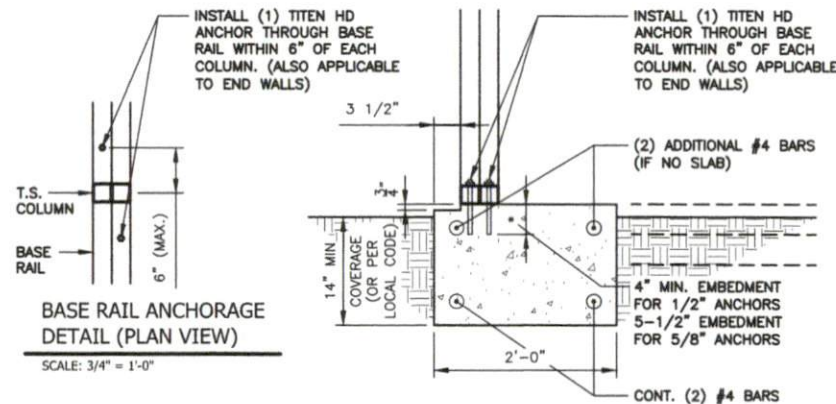
1  
SSC BASE RAIL ANCHORAGE DETAIL  
SCALE: 3/4" = 1'-0"



1B  
SSC BASE RAIL ANCHORAGE DETAIL (TITEN HD)  
SCALE: 3/4" = 1'-0"



1A  
SSC BASE RAIL ANCHORAGE DETAIL (NO SLAB)  
SCALE: 3/4" = 1'-0"



1C  
SSC BASE RAIL ANCHORAGE DETAIL (NO SLAB - TITEN HD)  
SCALE: 3/4" = 1'-0"

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ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)  
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)

Project No.  
0125-0132

Sheet No.  
S5C

Date:  
02/27/25

Revisions:

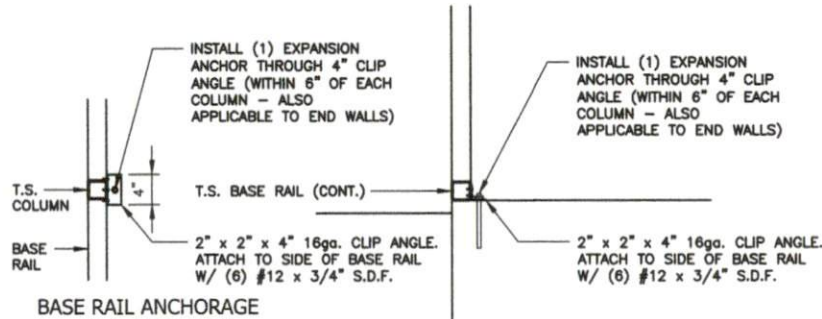
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
27874  
ENGINEER  
JASON M. REEP  
02/28/2025

VL6

(LEAN-TO) SINGLE COLUMN OPTIONS - NO SIDING LEDGE  
(ANCHOR BOLTS)

| WIND SPEED       | BOLT SIZE                      |
|------------------|--------------------------------|
| UP TO 115 M.P.H. | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 125 M.P.H. | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 135 M.P.H. | 1/2" x 9" EXPANSION ANCHOR     |
| UP TO 145 M.P.H. | 1/2" x 9" EXPANSION ANCHOR     |

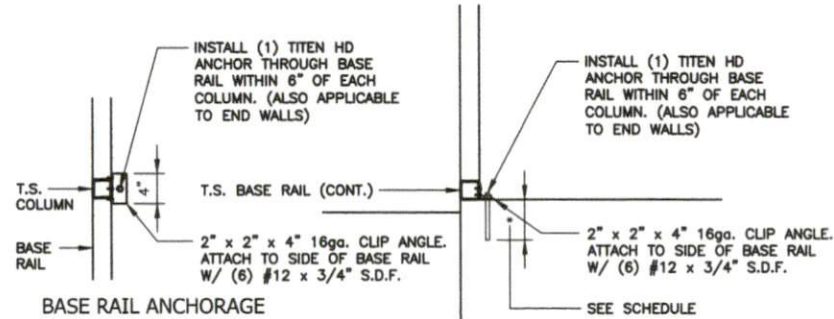
GENERAL NOTE:  
ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,000 P.S.F.  
CONCRETE:  
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.  
COVER OVER REINFORCING STEEL:  
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER AC-308, 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 FURNISHING REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.  
REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:  
1. REINFORCEMENT IS BENT COLD.  
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.  
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.



1 (ALTERNATE) BASE RAIL ANCHORAGE DETAIL  
S5B SCALE: 3/4" = 1'-0"

(LEAN-TO) SINGLE COLUMN OPTIONS - NO SIDING LEDGE  
(TITEN HD ANCHORS)

| WIND SPEED       | BOLT SIZE                          |
|------------------|------------------------------------|
| UP TO 115 M.P.H. | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 125 M.P.H. | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 135 M.P.H. | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |
| UP TO 145 M.P.H. | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |



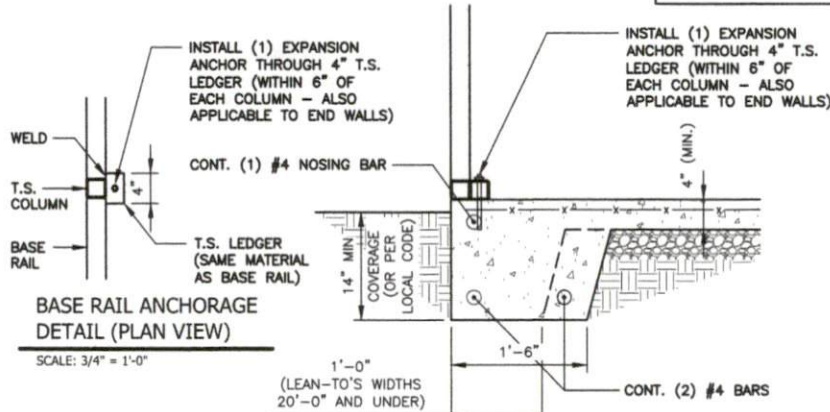
1A (ALTERNATE) BASE RAIL ANCHORAGE DETAIL (TITEN HD)  
S5B SCALE: 3/4" = 1'-0"

|                                                                                                |                                                                                                                                                                 |                  |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>JCMT</b><br>ASSOCIATES, PLLC<br>211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 | Project No.<br>0125-0132                                                                                                                                        | Sheet No.<br>S5B |
|                                                                                                | ENCLOSED GABLE END BUILDING<br>MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |                  |
| Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323                                      | Date:<br>02/27/25                                                                                                                                               | Revisions:       |
| NORTH CAROLINA PROFESSIONAL SEAL 27874<br>JASON M. REEP<br>02/28/2025                          |                                                                                                                                                                 |                  |

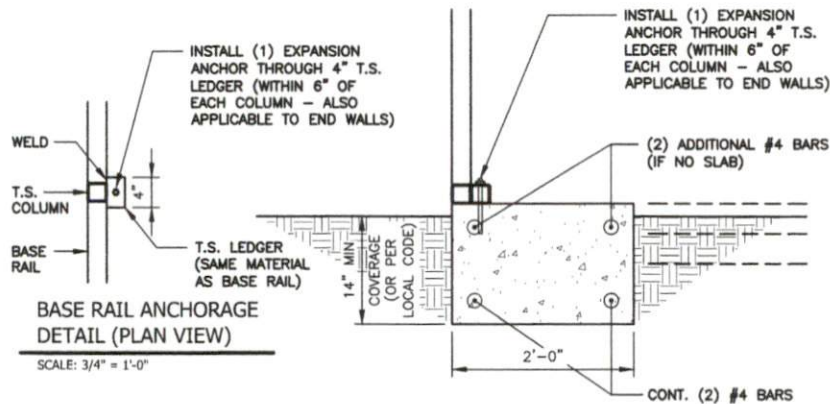
(LEAN-TO) SINGLE COLUMN OPTIONS - NO SIDING LEDGE  
(ANCHOR BOLTS)

| WIND SPEED       | BOLT SIZE                      |
|------------------|--------------------------------|
| UP TO 115 M.P.H. | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 125 M.P.H. | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 135 M.P.H. | 1/2" x 8" EXPANSION ANCHOR     |
| UP TO 145 M.P.H. | 1/2" x 8" EXPANSION ANCHOR     |

GENERAL NOTE:  
ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,500 P.S.F.  
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 TYPICAL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.  
REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:  
1. REINFORCEMENT IS BENT COLD.  
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BEND, IS NOT LESS THAN 8D-BAR DIAMETER.  
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.



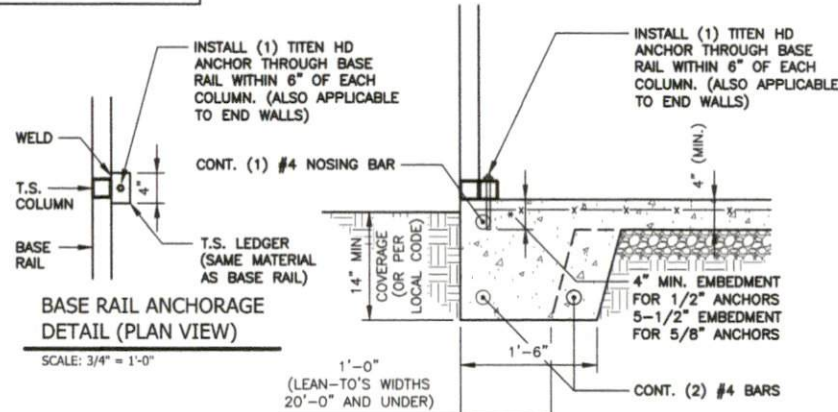
1 BASE RAIL ANCHORAGE DETAIL  
SCALE: 3/4" = 1'-0"



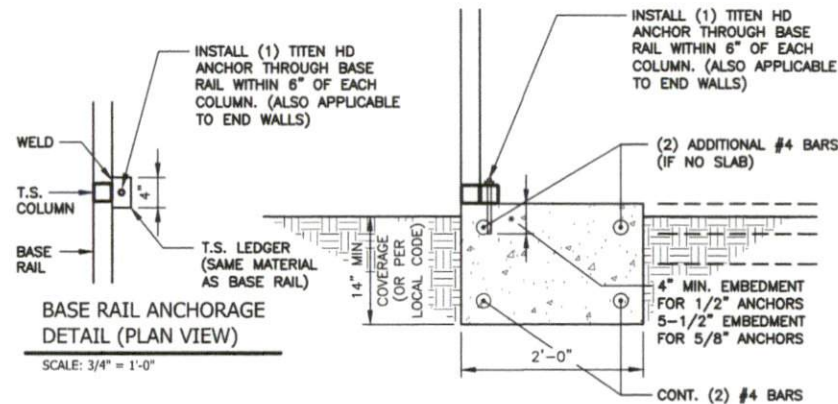
1A BASE RAIL ANCHORAGE DETAIL (NO SLAB)  
SCALE: 3/4" = 1'-0"

(LEAN-TO) SINGLE COLUMN OPTIONS - NO SIDING LEDGE  
(TITEN HD ANCHORS)

| WIND SPEED       | BOLT SIZE                          |
|------------------|------------------------------------|
| UP TO 115 M.P.H. | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 125 M.P.H. | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 135 M.P.H. | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |
| UP TO 145 M.P.H. | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |



1B BASE RAIL ANCHORAGE DETAIL (TITEN HD)  
SCALE: 3/4" = 1'-0"



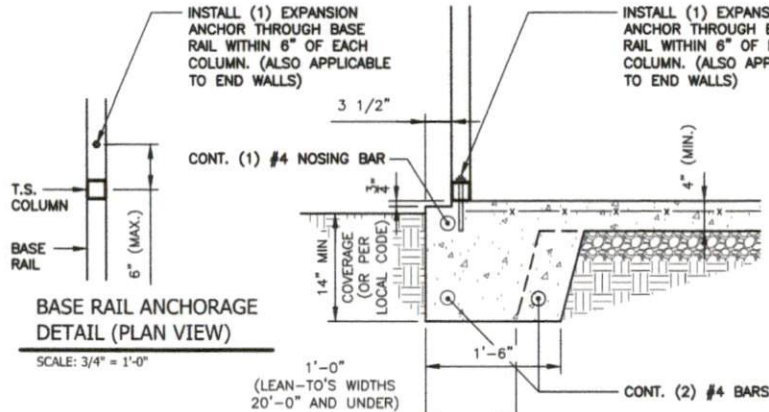
1C BASE RAIL ANCHORAGE DETAIL (NO SLAB - TITEN HD)  
SCALE: 3/4" = 1'-0"

|                                                                                                |                                                                                                                                                                 |                  |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>JCMT</b><br>ASSOCIATES, PLLC<br>211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 | Project No.<br>0125-0132                                                                                                                                        | Sheet No.<br>S5A |
|                                                                                                | ENCLOSED GABLE END BUILDING<br>MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |                  |
| Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323                                      | Date:<br>02/27/25                                                                                                                                               | Revisions:       |
| <div style="text-align: center;"> </div>                                                       |                                                                                                                                                                 |                  |

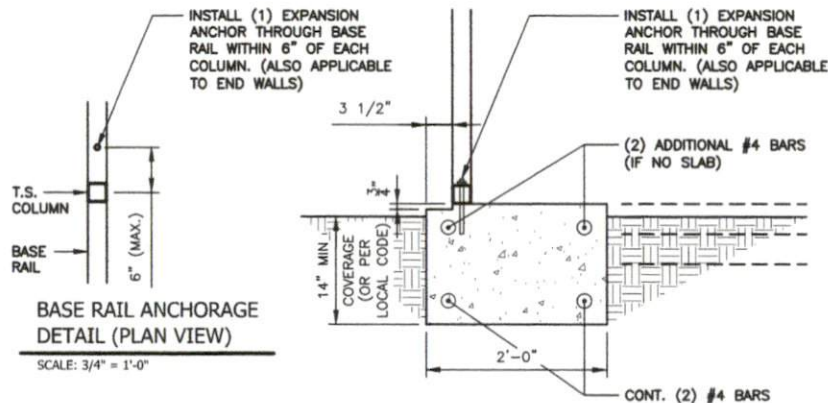
(LEAN-TO) SINGLE COLUMN OPTIONS  
(ANCHOR BOLTS)

| ANCHORAGE BOLT SCHEDULE |                                |
|-------------------------|--------------------------------|
| WIND SPEED              | BOLT SIZE                      |
| UP TO 115 M.P.H.        | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 125 M.P.H.        | 1/2" x 6-1/2" EXPANSION ANCHOR |
| UP TO 135 M.P.H.        | 1/2" x 8" EXPANSION ANCHOR     |
| UP TO 145 M.P.H.        | 1/2" x 8" EXPANSION ANCHOR     |

GENERAL NOTE:  
ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 1,000 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 TURNED OVER REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH AND WEATHER AND 1-1/2" ELSEWHERE.  
REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:  
1. REINFORCEMENT IS BENT COLD.  
2. THE DIAMETER OF THE BEND MEASURED ON THE INSIDE OF THE BEND IS NOT LESS THAN SIX-BAR DIAMETERS.  
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.



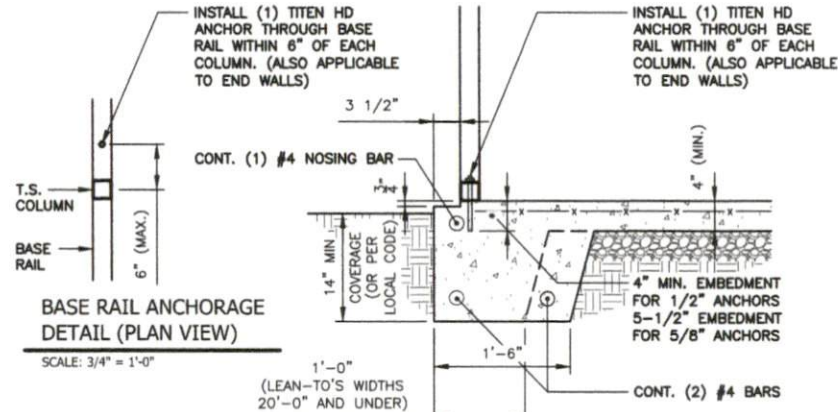
1 BASE RAIL ANCHORAGE DETAIL  
S5 SCALE: 3/4" = 1'-0"



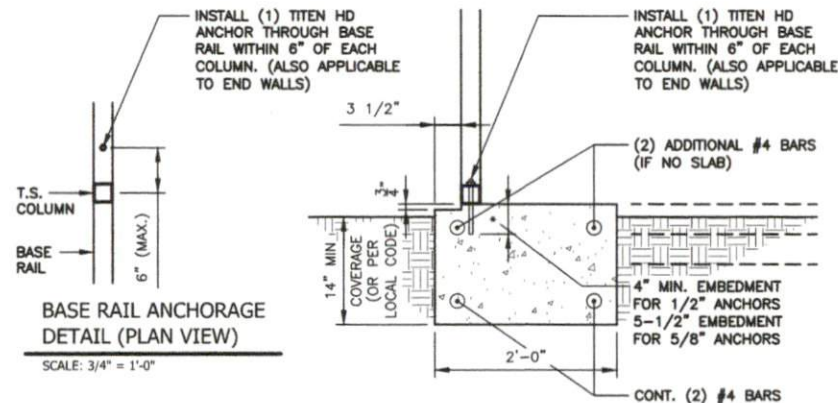
1A BASE RAIL ANCHORAGE DETAIL (NO SLAB)  
S5 SCALE: 3/4" = 1'-0"

(LEAN-TO) SINGLE COLUMN OPTIONS  
(TITEN HD ANCHORS)

| ANCHORAGE BOLT SCHEDULE |                                    |
|-------------------------|------------------------------------|
| WIND SPEED              | BOLT SIZE                          |
| UP TO 115 M.P.H.        | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 125 M.P.H.        | 1/2" x 4" EMBEDMENT (TITEN HD)     |
| UP TO 135 M.P.H.        | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |
| UP TO 145 M.P.H.        | 5/8" x 5-1/2" EMBEDMENT (TITEN HD) |



1B BASE RAIL ANCHORAGE DETAIL (TITEN HD)  
S5 SCALE: 3/4" = 1'-0"



1C BASE RAIL ANCHORAGE DETAIL (NO SLAB - TITEN HD)  
S5 SCALE: 3/4" = 1'-0"

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336-399-6277

Gabrielle Alvarado  
299 Wire Rd.  
Bunnlevel, NC 28323

Project No.  
0125-0132  
Sheet No.  
S5

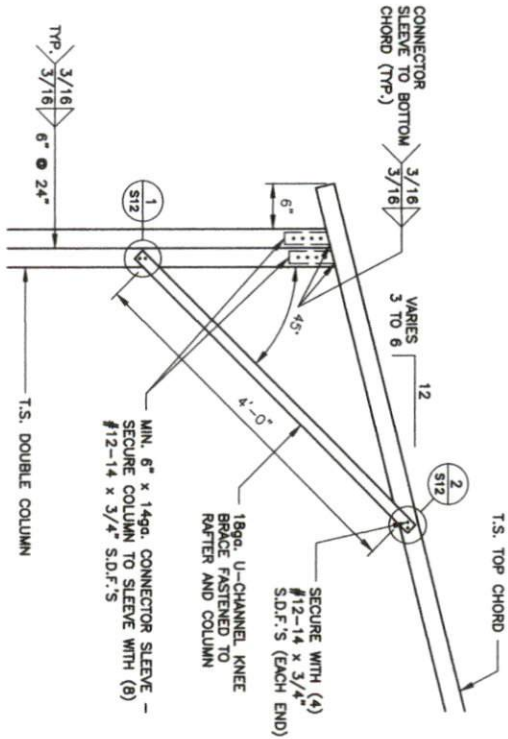
ENCLOSED GABLE END BUILDING  
MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)  
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)

Date:  
02/27/25  
Revisions:

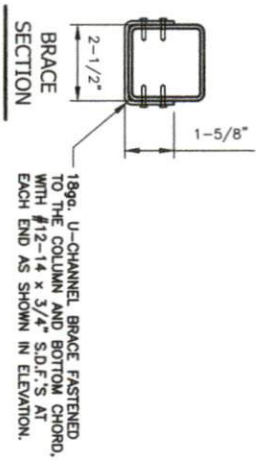
NORTH CAROLINA  
PROFESSIONAL SEAL  
27874  
ENGINEER  
JASON M. REED  
02/28/2025

VL6

DOUBLE COLUMN OPTIONS (>14'-1" TO <16'-0" COLUMN HEIGHT)



**1**  
**S4A**  
BOX EAVE / CORNER POST CONNECTION DETAIL  
FOR HEIGHTS >14'-1" TO <16'-0"  
SCALE: 3/4" = 1'-0"



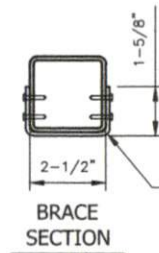
|      |                                             |                                                                                                                                                                                   |  |                                                                                                           |                                                                  |
|------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|      | <p>Date:<br/>02/27/25</p> <p>Revisions:</p> | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p>                                                                                                                |  | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p> | <p>Project No.<br/>0125-0132</p> <p>Sheet No.<br/><b>S4A</b></p> |
| VI.6 |                                             | <p>ENCLOSED GABLE END BUILDING<br/>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |  |                                                                                                           |                                                                  |

Diagram illustrating the connection of a roof structure to a column, showing various components and dimensions:

- CONNECTOR SLEEVE TO BOTTOM CHORD (TYP.)**: Indicated by a dimension of  $\frac{3}{16}$  and a note "VARIES 3 TO 6".
- T.S. TOP CHORD**: The top chord of the roof structure.
- 12**: Dimension indicating the length of the top chord section.
- 6"**: Dimension indicating the height of the column section.
- 45°**: Angle of the roof structure.
- 4'-0"**: Dimension indicating the length of the U-channel knee brace.
- SECURE WITH (4) #12-14 x 3/4" S.D.F.'S (EACH END)**: Requirement for securing the U-channel knee brace.
- 18ga. U-CHANNEL KNEE BRACE FASTENED TO RAFTER AND COLUMN**: Description of the brace.
- MIN. 6" x 14ga. CONNECTOR SLEEVE - SECURE COLUMN TO SLEEVE WITH (8) #12-14 x 3/4" S.D.F.'S**: Requirement for the connector sleeve.
- ON SINGLE COLUMN BUILDINGS UNDER 10'-0" A 3'-0" BRACE CAN BE USED. ON BUILDINGS TALLER THAN 10'-1" A 4'-0" BRACE MUST BE USED.**: Note regarding the use of the brace based on building height.
- 1 S12**: Dimension indicating the length of the column section.
- T.S. COLUMN**: The column section.

BOX EAVE / CORNER POST CONNECTION DETAIL  
FOR HEIGHTS <14'-0"

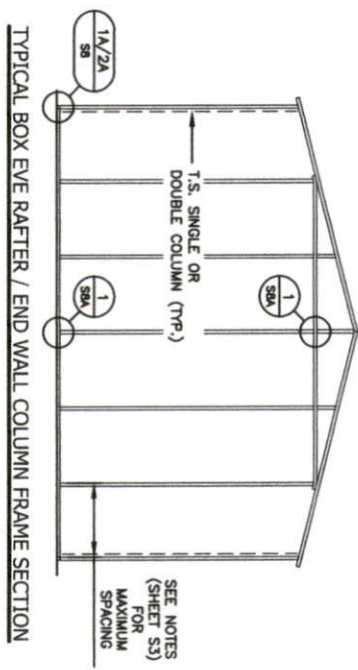
SCALE: 3/4" = 1'-0"



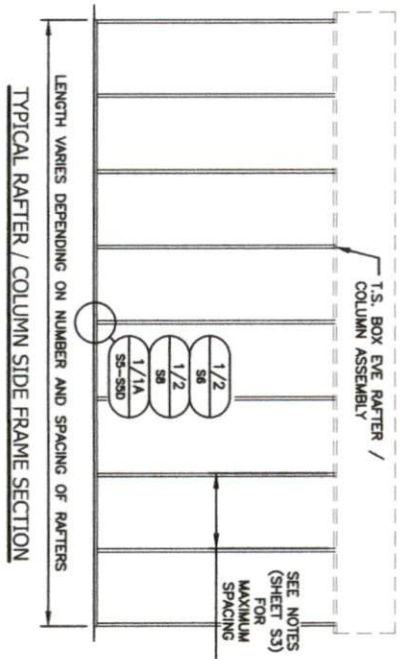
18ga. U-CHANNEL BRACE FASTENED TO THE COLUMN AND BOTTOM CHORD, WITH #12-14 x 3/4" S.D.F.'S AT EACH END AS SHOWN IN ELEVATION.

|                                                                                       |                                                                           |                                                                                                                                                                  |                                  |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
|  | <p><b>Gabrielle Alvarado</b><br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p> | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p>                                                        | <p>Project No.<br/>0125-0132</p> |
|                                                                                       |                                                                           |                                                                                                                                                                  | <p>Sheet No.<br/>S4</p>          |
| <p><b>ENCLOSED GABLE END BUILDING</b></p>                                             |                                                                           | <p><b>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)</b><br/><b>(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</b></p> |                                  |
| <p>Date:<br/>02/27/25</p>                                                             |                                                                           | <p>Revisions:</p>                                                                                                                                                |                                  |

TYPICAL SIDE / END FRAMING ELEVATIONS

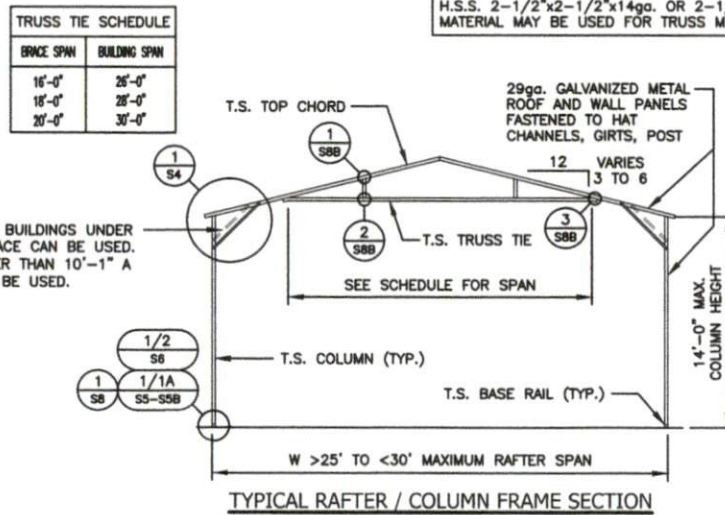
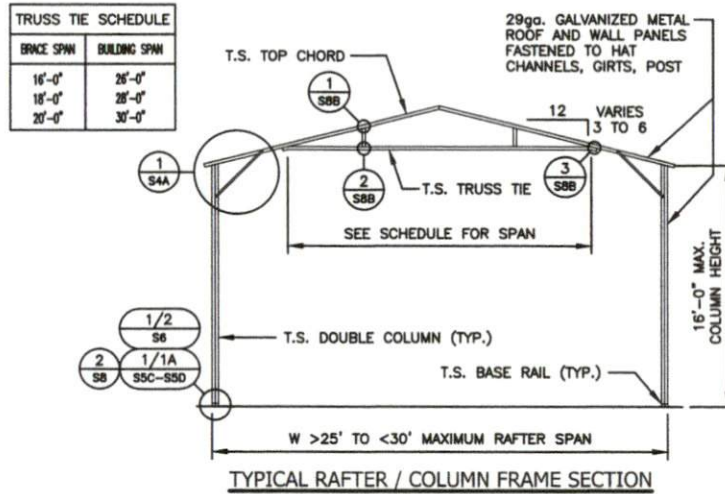


NOTE:  
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.  
MATERIAL MAY BE USED FOR TRUSS METAL.



|  |                                                           |                                                                                                                                  |                                                             |  |                 |                          |
|--|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--|-----------------|--------------------------|
|  | Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323 |                                                                                                                                  | 211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 |  |                 |                          |
|  | ENCLOSED GABLE END BUILDING                               |                                                                                                                                  |                                                             |  |                 | Project No.<br>0125-0132 |
|  | Date:<br>02/27/25<br><br>Revisions:                       | MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |                                                             |  | Sheet No.<br>S3 |                          |

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

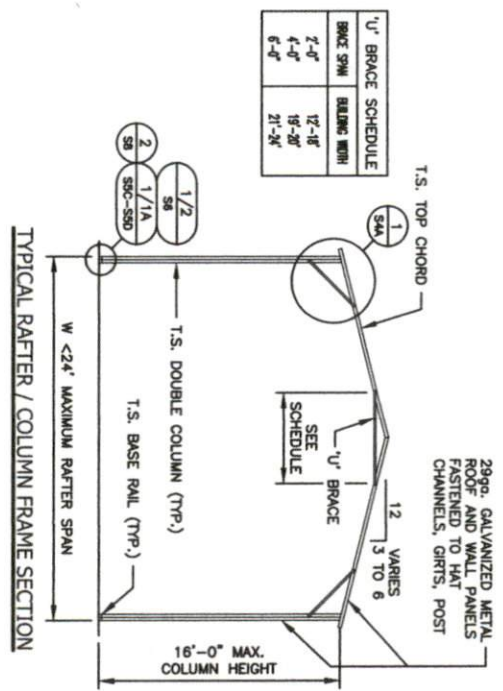


NOTE:  
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.  
MATERIAL MAY BE USED FOR TRUSS METAL.

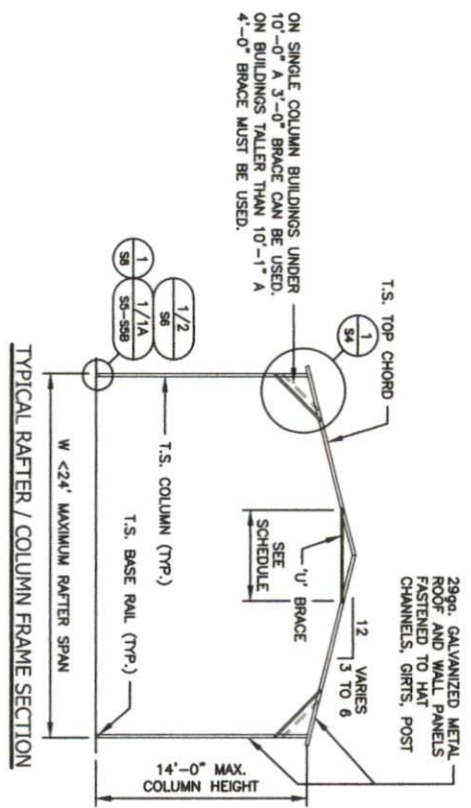
ON SINGLE COLUMN BUILDINGS UNDER 10'-0" A 3'-0" BRACE CAN BE USED.  
ON BUILDINGS TALLER THAN 10'-1" A 4'-0" BRACE MUST BE USED.

|                                                                                                |                                                                                                                                                                  |                  |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>JCMT</b><br>ASSOCIATES, PLLC<br>211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 | Project No.<br>0125-0132                                                                                                                                         | Sheet No.<br>S2A |
|                                                                                                | ENCLOSED GABLE END BUILDING<br>MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |                  |
| Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323                                      | Date:<br>02/27/25                                                                                                                                                | Revisions:       |
|                                                                                                |                                                                                                                                                                  |                  |

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

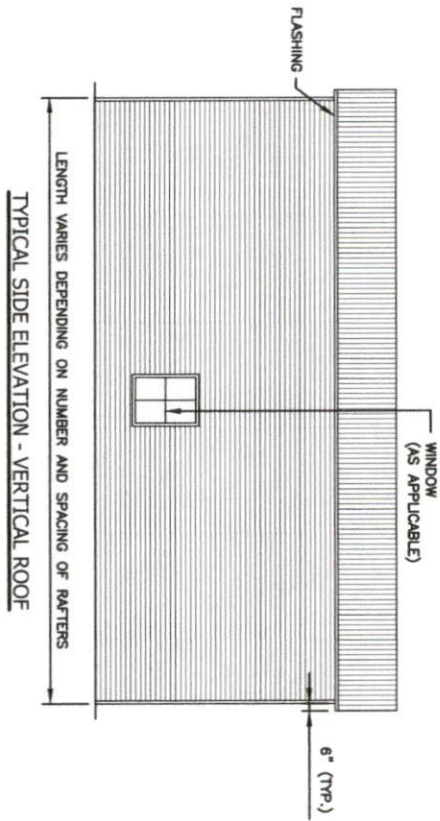
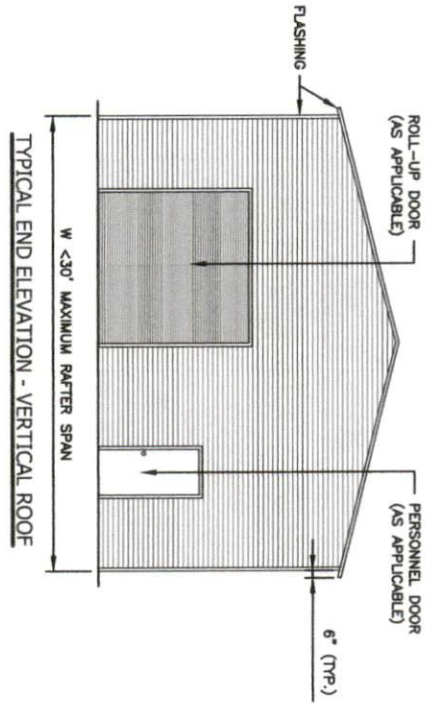


NOTE:  
H.S.S. 2-1/2"x2-1/2"x14ga. OR 2-1/4"x2-1/4"x12ga.  
MATERIAL MAY BE USED FOR TRUSS METAL.

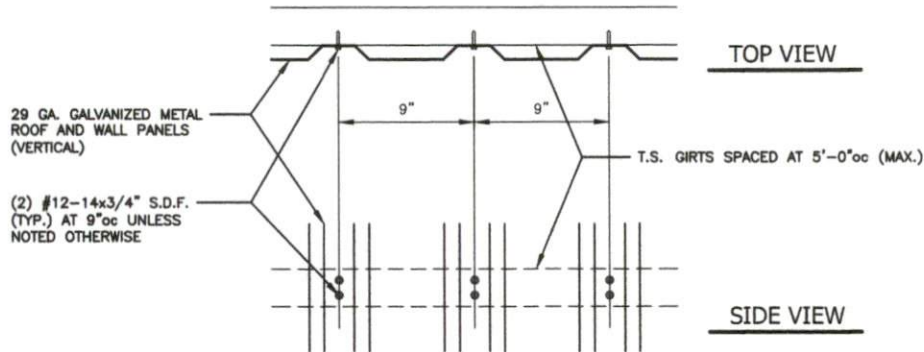


|                           |                                                                                                                                                   |                   |                                                                                                           |  |                                  |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------|--|----------------------------------|
|                           | <p>Gabrielle Alvarado<br/>299 Wire Rd.<br/>Bunnlevel, NC 28323</p>                                                                                |                   | <p><b>JCMT</b><br/>ASSOCIATES, PLLC<br/>211 Stone Drive<br/>Pilot Mountain, NC 27041<br/>336-399-6277</p> |  | <p>Project No.<br/>0125-0132</p> |
|                           | <p>ENCLOSED GABLE END BUILDING</p>                                                                                                                |                   |                                                                                                           |  | <p>Sheet No.<br/>S2</p>          |
|                           | <p>MAXIMUM &gt;0' TO &lt;30' WIDE x &lt;16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br/>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)</p> |                   |                                                                                                           |  |                                  |
| <p>Date:<br/>02/27/25</p> |                                                                                                                                                   | <p>Revisions:</p> |                                                                                                           |  |                                  |

BOX EYE FRAME RAFTER STRUCTURE

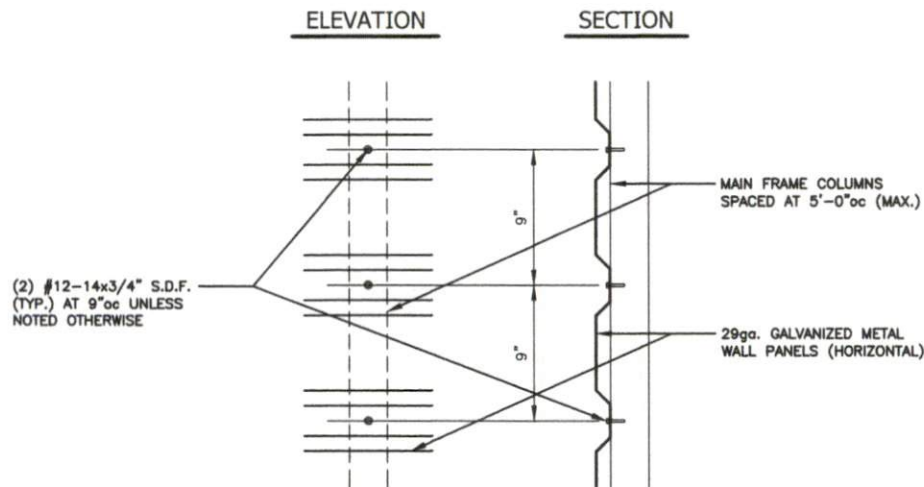


|                                                                                                                                                                 |                                                           |  |                                                                                                |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--------------------------|
|                                                                                                                                                                 | Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323 |  | <b>JCMT</b><br>ASSOCIATES, PLLC<br>211 Stone Drive<br>Pilot Mountain, NC 27041<br>336-399-6277 | Project No.<br>0125-0132 |
|                                                                                                                                                                 | Date: 02/27/25                                            |  |                                                                                                | Sheet No.<br>S1          |
|                                                                                                                                                                 | Revisions:                                                |  |                                                                                                |                          |
| ENCLOSED GABLE END BUILDING<br>MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |                                                           |  |                                                                                                |                          |



(VERTICAL) SIDING CONNECTION DETAIL

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



(HORIZONTAL) SIDING CONNECTION DETAIL

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

## APPENDIX "B" STRUCTURAL DESIGN

### DESIGN LOADS:

|                    |                   |           |                                             |
|--------------------|-------------------|-----------|---------------------------------------------|
| IMPORTANCE FACTORS | WIND              | (1w) 1.00 |                                             |
|                    | SNOW              | (1s) 1.00 |                                             |
|                    | SEISMIC           | (1e) 1.00 |                                             |
| DEAD LOADS         | ROOF              | 13        | P.S.F.                                      |
|                    | ROOF COLLATERAL   | 0         | P.S.F.                                      |
| LIVE LOADS         | ROOF              | 20        | P.S.F.                                      |
| GROUND SNOW LOAD:  |                   | 10        | P.S.F. * DRIFT LOAD HAS NOT BEEN CALCULATED |
| WIND LOAD:         | BASIC WIND SPEED  | 115       | M.P.H. ASCE 7-10                            |
|                    | EXPOSURE CATEGORY | C         |                                             |

SEISMIC DESIGN CATEGORY ☐ A ☐ B ☒ C ☐ D

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY I

SPECTRAL RESPONSE ACCELERATION  $S_a$  19.0 %g  $S_1$  8.8 %g

SITE CLASSIFICATION D ☐ FIELD TEST ☒ PRESUMPTIVE ☐ HISTORICAL DATA

BASIC STRUCTURAL SYSTEM (CHECK ONE)

|                                                    |                                                                    |
|----------------------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> BEARING WALL              | <input type="checkbox"/> DUAL W/ SPECTRAL MOMENT FRAME             |
| <input checked="" type="checkbox"/> BUILDING FRAME | <input type="checkbox"/> DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL |
| <input type="checkbox"/> MOMENT FRAME              | <input type="checkbox"/> INVERTED PENDULUM                         |

ANALYSIS PROCEDURE ☐ SIMPLIFIED ☒ EQUIVALENT LATERAL FORCE ☐ MODAL

LATERAL DESIGN CONTROL? ☐ EARTHQUAKE ☒ WIND

SOIL BEARING CAPACITIES:  
PRESUMPTIVE BEARING CAPACITIES: 1,500 P.S.F.

### GENERAL NOTES:

1. MAX FRAME SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
2. MAX. END-WALL COLUMN SPACING SHALL BE 60"oc UNLESS NOTED OTHERWISE.
3. TUBE MATERIAL SHALL BE 2-1/2" x 2-1/2" x 14ga. 50 K.S.I. MIN. UNLESS NOTED OTHERWISE.
4. ALL FASTENERS SHALL BE (2) #12 SELF TAPPING AT 9"oc UNLESS NOTED OTHERWISE.
5. 1,500 PSF ASSUMED BEARING CAPACITY UNLESS NOTED OTHERWISE.
6. THESE DRAWINGS ARE NOT APPLICABLE TO OPEN / PARTIALLY OPEN BUILDINGS.
7. THESE DRAWINGS ARE NOT DESIGNED FOR SLEEPING QUARTERS.
8. IF FRAMES ARE SPACED AT 48"oc, THEN GROUND SNOW LOAD CAPACITY INCREASES TO 43.5 P.S.F..
9. IF FRAMES ARE SPACED AT 42"oc, THEN GROUND SNOW LOAD CAPACITY INCREASES TO 47 P.S.F..

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Gabrielle Alvarado  
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Bunnlevel, NC 28323

Project No.  
0125-0132  
Sheet No.  
S0B

ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)  
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)

Date:  
02/27/25  
Revisions:

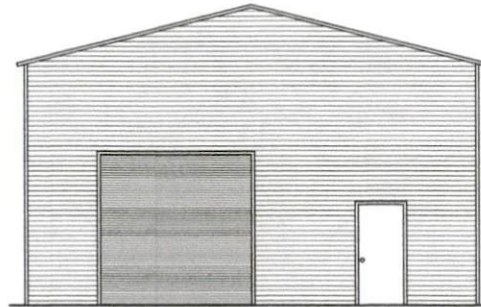


VI.6

## INDEX OF DRAWINGS

|      |   |                                                                        |
|------|---|------------------------------------------------------------------------|
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| S2A  | - | TYPICAL RAFTER / COLUMN FRAME SECTIONS (>25' TO <30' WIDE / <16' HIGH) |
| S3   | - | TYPICAL SIDE / END FRAMING SECTIONS                                    |
| S4   | - | BOX EAVE / SINGLE COLUMN OPTIONS (<24' / <16' HIGH)                    |
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| S9   | - | LEAN-TO FRAMING OPTIONS                                                |
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| S10C | - | LEAN-TO FRAMING OPTIONS                                                |
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| S11  | - | VERTICAL ROOF / SIDING OPTIONS                                         |
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|                                                                                                     |                                                                                                                                                                             |  |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                  | <b>ENCLOSED GABLE END BUILDING</b><br><br>MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)<br>(UP TO) 14.5 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S) |  |
|                                                                                                     | Project No.<br>0125-0132<br><br>Sheet No.<br>S0A                                                                                                                            |  |
| Gabrielle Alvarado<br>299 Wire Rd.<br>Bunnlevel, NC 28323                                           |                                                                                                                                                                             |  |
|                                                                                                     | Date:<br>02/27/25<br><br>Revisions:                                                                                                                                         |  |
| <br>02/28/2025 |                                                                                                                                                                             |  |



ENCLOSED GABLE END BUILDING

MAXIMUM >0' TO <30' WIDE x <16' MAXIMUM EAVE HEIGHT (BOX FRAME)  
(UP TO) 145 M.P.H. WIND ZONE - 35/43.5/47 P.S.F. SNOW LOAD(S)

FOR:

Gabrielle Alvarado  
299 Wire Rd  
Bunnlevel, NC 28323

ISSUE DATE: 02/27/25



THESE PLANS HAVE BEEN PROPERLY  
EXAMINED BY THE UNDERSIGNED I  
DETERMINED THAT THEY COMPLY  
WITH EXISTING LOCAL NORTH  
CAROLINA CODES AND ARE  
APPROPRIATE FOR USE IN THIS AREA



02/28/2025

