



NEW

15,000
48,000
16,000

terry miller <terryandannmiller@gmail.com>

Metal Structure Quote

Sales Superior <sales@superiormsc.com>

To: terryandannmiller@gmail.com

Tue, Jan 7, 2025 at 7:52 AM

Good morning Terry, I hope you are doing great this morning. Below is your new quote for the building we discussed, price with & w/Out Concrete. I also included some pictures of the layout & possible colors. If there's any changes you would like to make or have any questions please let me know. Feel free to contact me anytime at Tel. 910-249-4477 or my cell 910-214-8457

Roof: Black
Walls: Brite White
Trim: Black

Respectfully,
Noah

1.

40x61x12 w/Concrete
*Double Truss & Double Leg Uprights
1-72"x80" Frame Out Only *Gable End
1-72"x80" Frame Out Only *Side Entry
1-36"x80" Frame Out Only *Side Wall
3-Window Frame Outs 3'x3'ft
Vertical Roof
Vertical Sides
Full Insulation-R10 3" Fiberglass
*Rat Guard Trim
1-10x25x9 Lean-To w/Concrete
3-Frame Outs
Dressed Up *Front Side & Back Side
*Rat Guard Trim
1-Underneath Ceiling *10x25 Lean-To
4" Concrete
3,500 PSI Concrete
40yr Warranty Sheet Metal
3yr Workmanship Warranty
Engineer Certified
Structural Plans
Footers 12"x12"

Total Price: \$78,160.00 (plus grading & fill Dirt)



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 Vertical Roof
 Vertical Sides
 Full Insulation-R10 3" Fiberglass
 *Rat Guard Trim
 1-10x25x9 Lean-To w/Concrete
 3-Frame Outs
 Dressed Up *Front Side & Back Side
 *Rat Guard Trim
 1-Underneath Ceiling *10x25 Lean-To
 4" Concrete
 3,500 PSI Concrete
 40yr Warranty Sheet Metal
 3yr Workmanship Warranty
 Engineer Certified
 Structural Plans
 Footers 12"x12"

Total Price: \$78,160.00 (plus grading & fill Dirt)



STRUCTURAL PLANS

Structure Size: 40'x61'x12' with 10'x25'x9' Lean-to

Customer: Greater Vision Fellowship Inc.

Address: 135 Dry Creek Rd. Lillington, NC 27546

Prepared For:

SUPERIOR METAL STRUCTURES & CONCRETE, LLC

Prepared By:

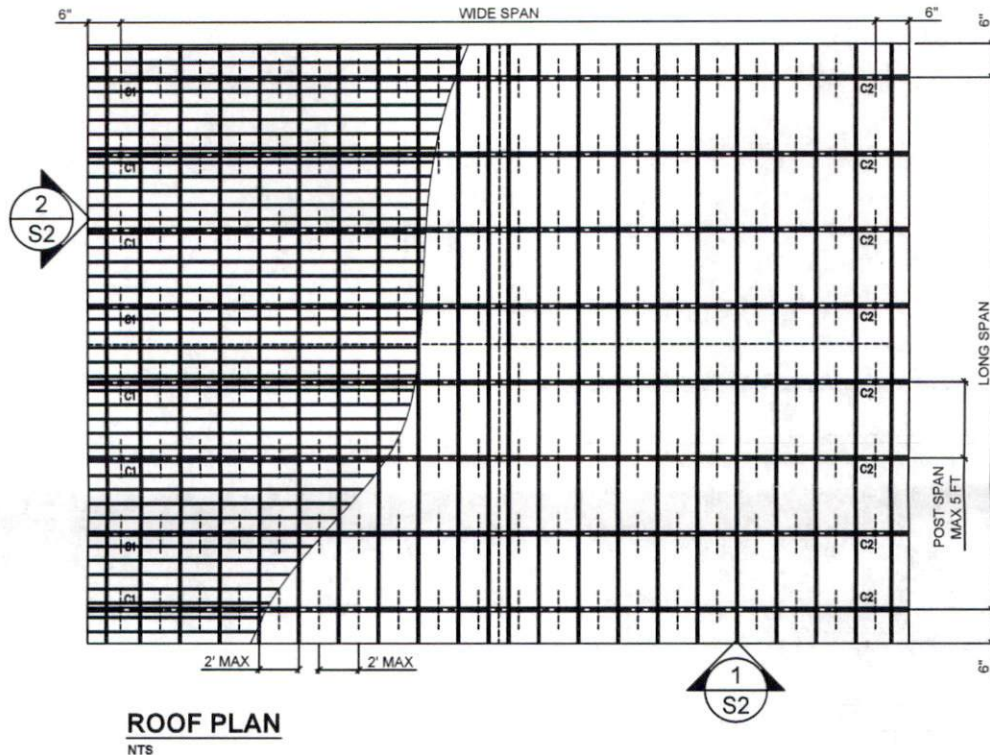


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250 SHIPWASH DR, GARNER, NC 27529

**THESE STRUCTURAL ENGINEERED PLANS ARE TO BE INCLUDED IN YOUR
PERMIT APPLICATION AND STRUCTURE IS TO BE BUILT BY SUPERIOR METAL
STRUCTURES & CONCRETE, LLC**

910.298.3774



GENERAL NOTES

- 1) ALL STRUCTURAL STEEL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH NOTES AND DETAILS ON THESE DRAWINGS; DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL CONFORM IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE 2018, INTERNATIONAL BUILDING CODE (IBC) 2021, AND NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2016 (REAFFIRMED 2020).
- 2) ALLOWABLE SOIL PRESSURE 2000 PSF
- 3) WELDED WIRE FABRIC SHALL BE NEW BILLET STEEL, COLD DRAWN CONFORMING A815 AND SHALL BE SUPPLIED IN SHEET FORM
- 4) ALL WELDING SHALL BE ACCOMPLISHED USING E-70XX LOW-HYDROGEN ELECTRODES AND AWS CERTIFIED WELDERS IN COMPLIANCE WITH CURRENT AWS STANDARDS.
- 5) ALL WELDS SHALL BE COATED WITH GALVANIZE PRIMER & PAINT AFTER WELDING
- 6) THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
- 7) GALVANIZED STRUCTURAL TUBING STEEL SHALL CONFORM TO ASTM A123 AND/OR A153
- 8) THE MINIMUM YIELD STRENGTH OF THE TUBE STEEL SHALL BE (F_y : 55,000 PSI)
- 9) THE MINIMUM YIELD STRENGTH OF METAL DECK SHALL BE (F_y : 80,000 PSI)
- 10) THE TUBE STEEL FOR COLUMNS SHALL BE 2 1/4" SQUARE GAUGE 14 FOR COLUMNS UP TO 10 FT TALL AND GAUGE 12 FOR 12' AND ABOVE
- 11) AT 150 MPH THE STRUCTURE SHALL BE BUILT WITH DOUBLE COLUMN SUPPORT
- 12) ALL TUBE STEEL CONNECTIONS SHALL BE BEARING TYPE USING #12X14X3/4" SELF DRILLING METAL SCREWS
- 13) DECKING SHALL BE GALVANIZED STEEL SHEET METAL STANDARD GA 29 FASTENED WITH (2) #12X14X3/4" SELF DRILLING METAL SCREWS WITH NEOPRENE WASHER, FOR RAFTER, HAT CHANNEL AND POST CONNECTION
- 14) THE CONCRETE DECK SHALL BE 3000 PSI CAPACITY AT 28 DAYS, AND THE SURFACE MUST BE LEVEL. CONTRACTOR RESPONSIBLE FOR MEETING THIS REQUIREMENT
- 15) BASE RAIL ANCHORAGE TO CONCRETE SHALL BE BEARING 1/2" ϕ WEDGE ANCHORS ASTM A325 OR SIMILAR HIGH STRENGTH BOLTS, UNLESS INDICATED OTHERWISE ON THE DRAWINGS

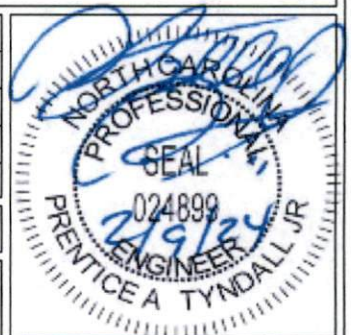


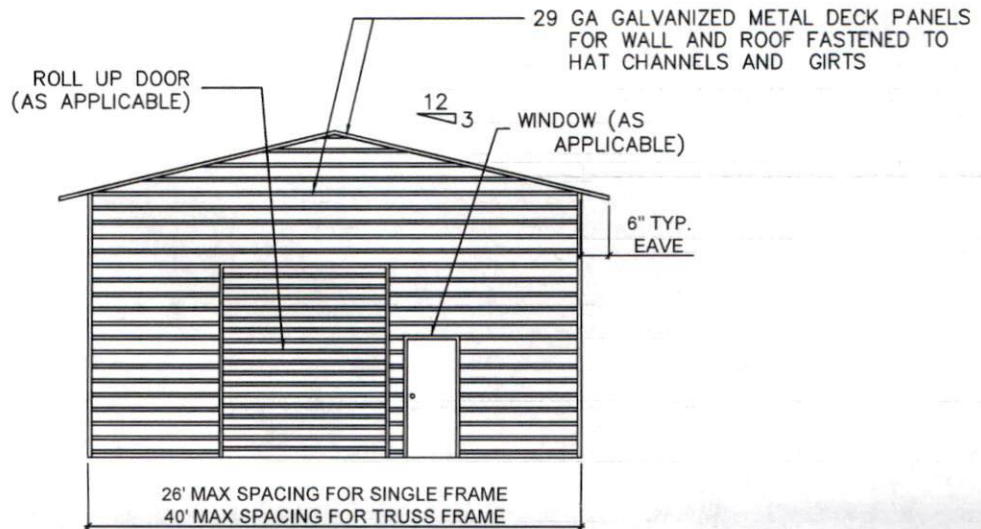
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CLIENT: SUPERIOR MS&C,
LLC

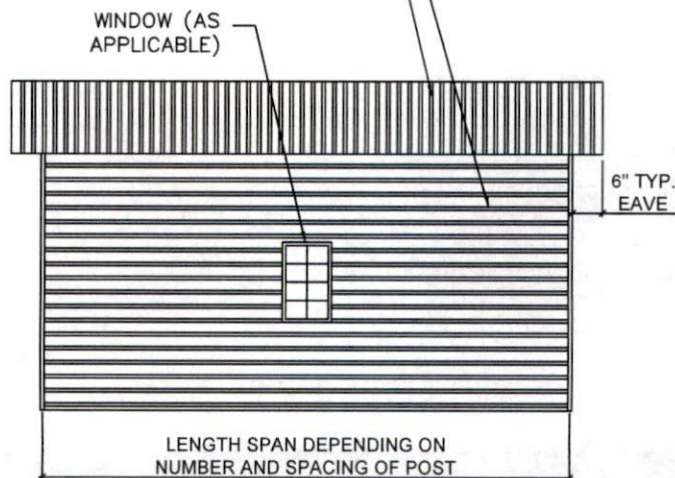
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NO.	DATE	REVISIONS AND RECORD OF ISSUE	CHK.
NAME:		Greater Vision Fellowship Inc.	
ADDRESS:		135 Dry Creek Rd. Lillington, NC	
DRAWN:	CHECKED:	DATE:	PROJECT #:
MR	PTII	06/05/2023	2201-010434F
PROJECT: ENCLOSED BUILDING		DRAWING NUMBER:	REV.
		1 of 22	A





1 TYPICAL ELEVATION
NO SCALE

29 GA GALVANIZED METAL DECK PANELS
FOR WALL AND ROOF FASTENED TO HAT
CHANNELS AND GIRTS



2 TYPICAL SIDE ELEVATION
NO SCALE

ELEVATION PLAN

NTS



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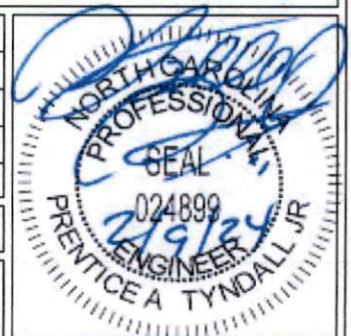
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PROJECT: ENCLOSED
BUILDING

DRAWING NUMBER:
2 of 22

REV.
A



2018 APPENDIX B

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

STRUCTURAL DESIGN

DESIGN LOADS:

IMPORTANCE FACTORS: WIND (lw) 1.00
 SNOW (ls) 1.00
 SEISMIC (le) 1.00

DEAD LOADS: ROOF 10 PSF

LIVE LOADS: ROOF 20 PSF

GROUND SNOW LOAD: 20 PSF

GROUND LOAD: BASIC WIND SPEED 150 mph (ASCE 7-16) *DRIFT LOAD HAS NOT BEEN CALCULATE
 EXPOSURE CATEGORY B

SEISMIC DESIGN CATEGORY: B

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY 1

SPECTRAL RESPONSE ACCELERATION S_s 20.0 %g S_1 8.2 %g

SITE CLASSIFICATION D ☐ FIELD TEST ☒ PRESUMPTIVE ☐ HISTORICAL DATA

BASIC STRUCTURAL SYSTEM (CHECK ONE)

☐ BEARING WALL ☐ DUAL W/ SPECTRAL MOMENT FRAME

☒ BUILDING FRAME ☐ DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL

☐ MOMENT FRAME ☐ INVERTED PENDULUM

ANALYSIS PROCEDURE ☐ SIMPLIFIED ☒ EQUIVALENT LATERAL FORCE ☐ MODAL

LATERAL DESIGN CONTROL ☐ EARTHQUAKE ☒ WIND

SOIL BEARING CAPACITIES:

PRESUMPTIVE BEARING CAPACITIES: 2,000 PSF

GENERAL NOTES: SEE PAGE 1



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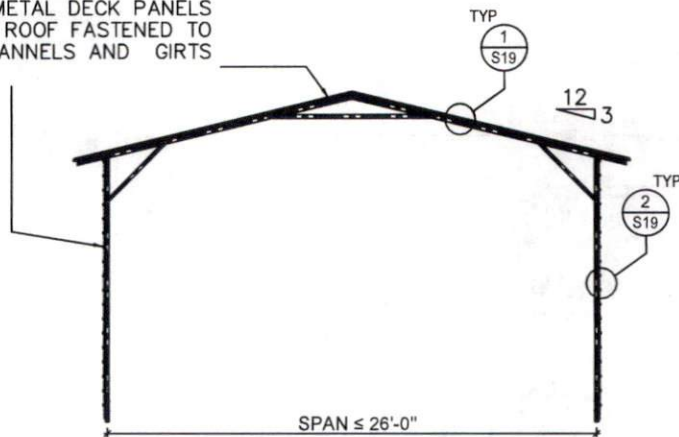
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PROJECT: ENCLOSED BUILDING		DRAWING NUMBER: 3 of 22	REV. A

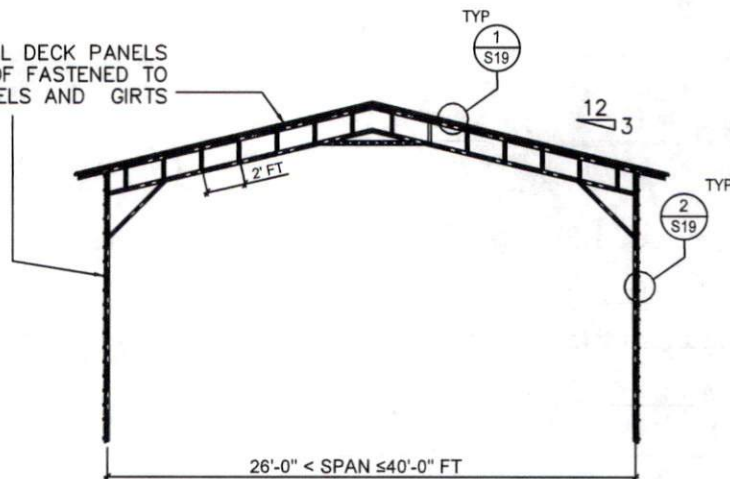


29 GA GALVANIZED METAL DECK PANELS
FOR WALL AND ROOF FASTENED TO
HAT CHANNELS AND GIRTS



1 TYPICAL SINGLE FRAME SECTION
NO SCALE A

29 GA GALVANIZED METAL DECK PANELS
FOR WALL AND ROOF FASTENED TO
HAT CHANNELS AND GIRTS



1 TYPICAL TRUSS FRAME ELEVATION
NO SCALE B

ELEVATION PLAN

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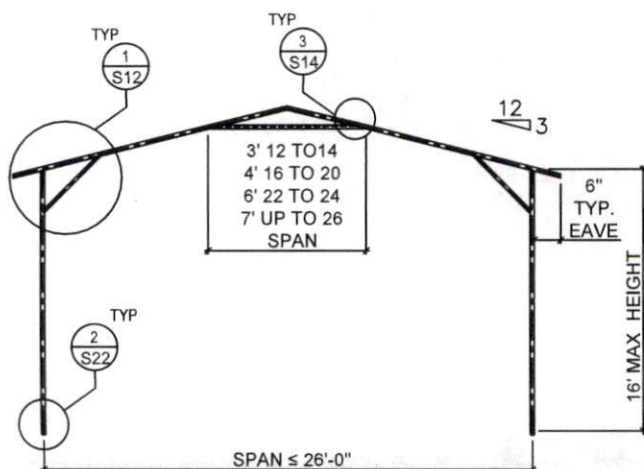
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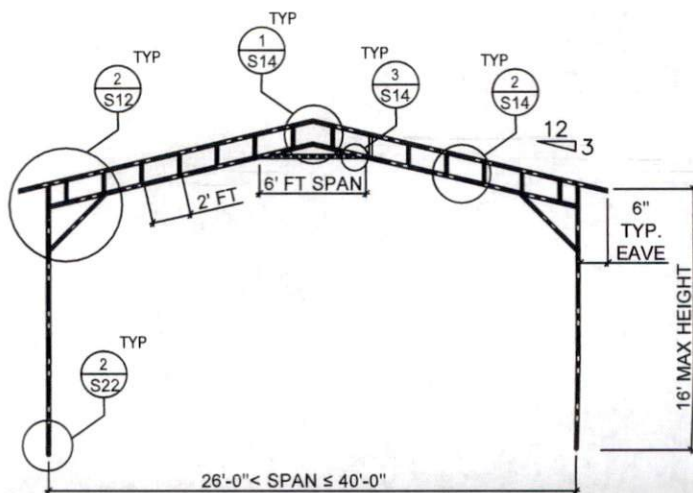
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4 of 22

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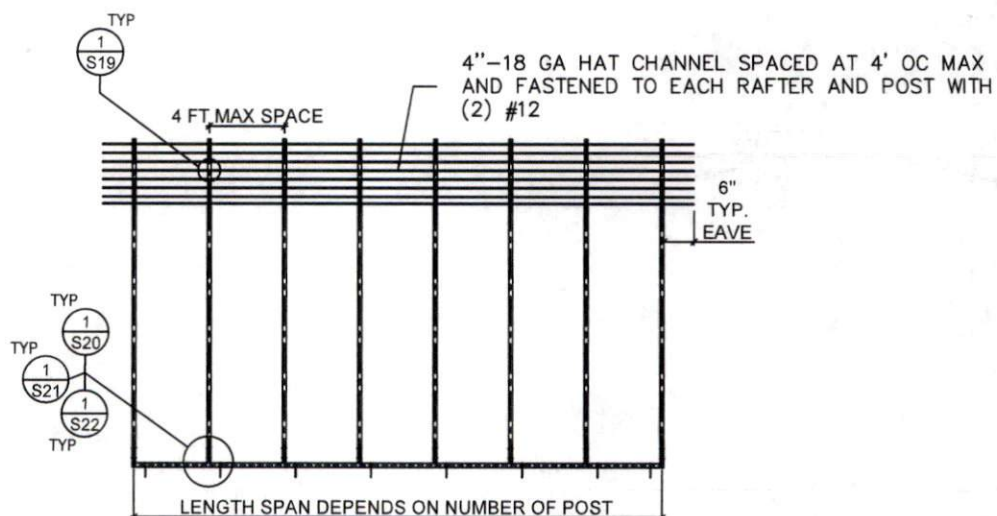




1 TYPICAL SINGLE FRAME SECTION
NO SCALE A



1 TYPICAL TRUSS FRAME SECTION
NO SCALE B



2 TYPICAL SIDE SINGLE FRAME SECTION
NO SCALE

ELEVATION PLAN

NTS

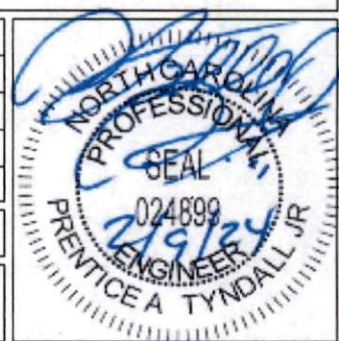


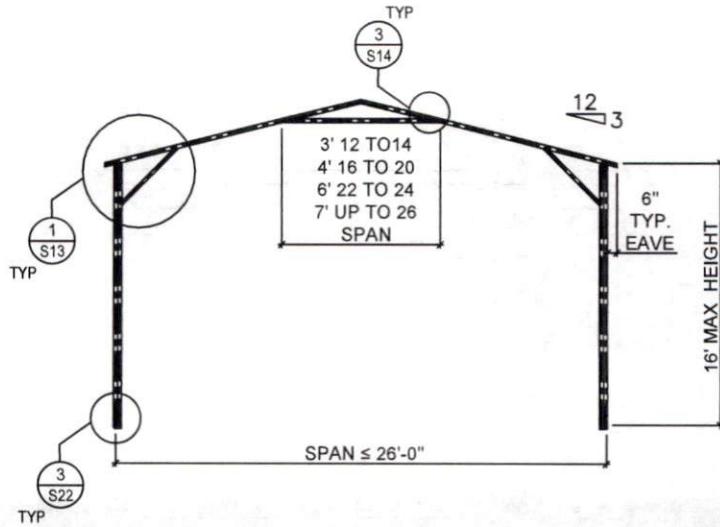
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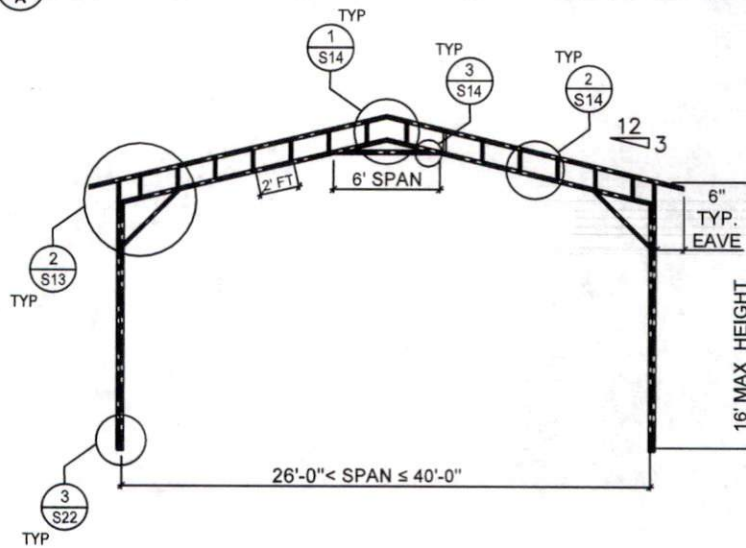
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PROJECT: ENCLOSED BUILDING	DRAWING NUMBER: 5 of 22	REV. A	





1
A TYPICAL SINGLE FRAME DOUBLE SECTION FOR WIND SPEED 105 < TO ≤ 150 MPH
NO SCALE



1
B TYPICAL TRUSS FRAME DOUBLE SECTION FOR WIND SPEED 105 < TO ≤ 150 MPH
NO SCALE

ELEVATION PLAN

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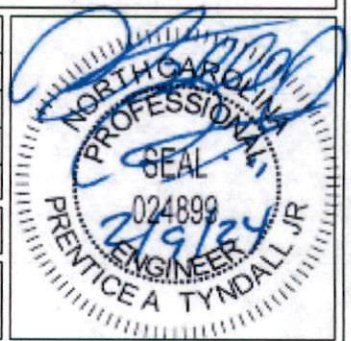
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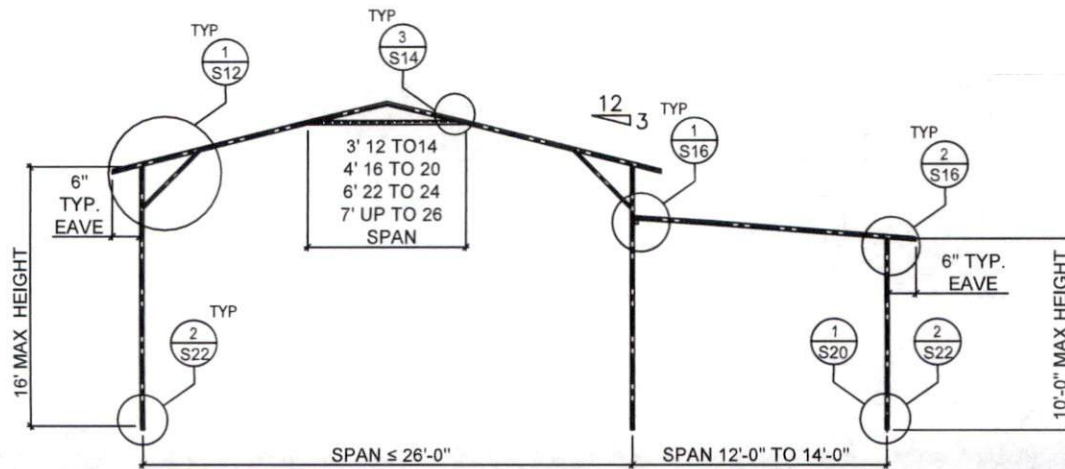
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BUILDING

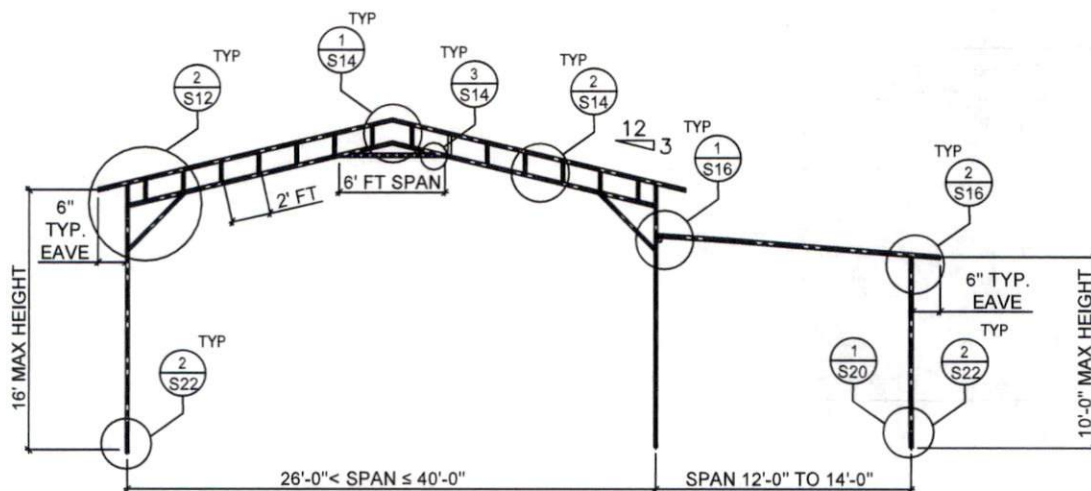
DRAWING NUMBER:
6 of 22

REV.
A





1
A TYPICAL SINGLE FRAME SECTION
NO SCALE



1
B TYPICAL TRUSS FRAME SECTION
NO SCALE

ELEVATION PLAN

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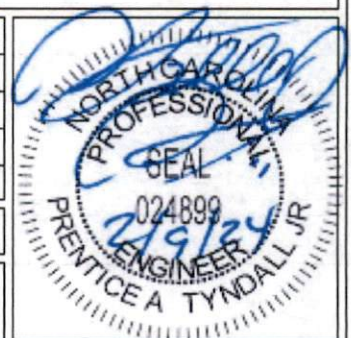
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BUILDING

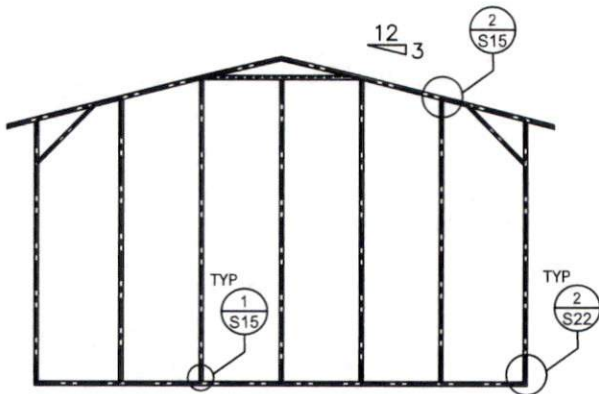
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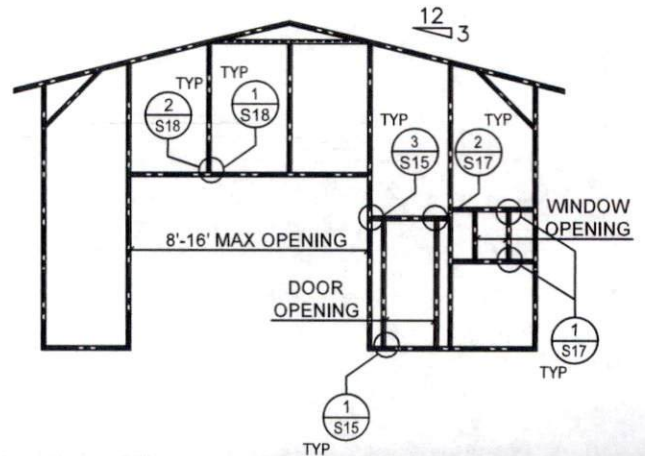
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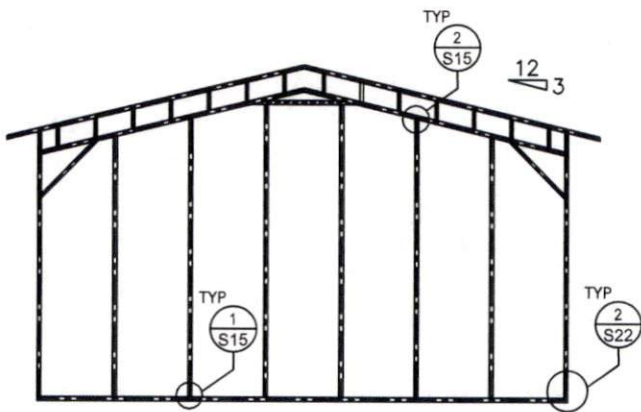




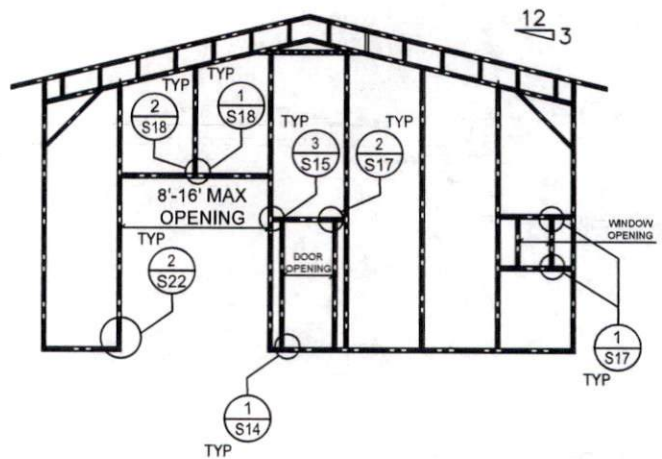
1 TYPICAL SINGLE FRAME ELEVATION
NO SCALE A



1 FRAME ELEVATION W/ GARAGE DOOR, DOOR AND WINDOW FRAME
NO SCALE B



2 TYPICAL TRUSS FRAME ELEVATION
NO SCALE A



2 FRAME ELEVATION W/ GARAGE DOOR, DOOR AND WINDOW FRAME
NO SCALE B

ELEVATION PLAN

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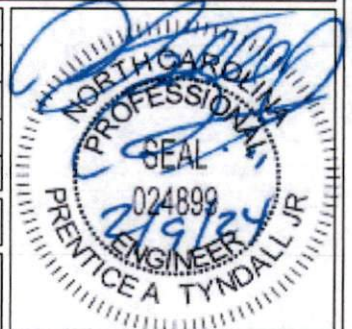
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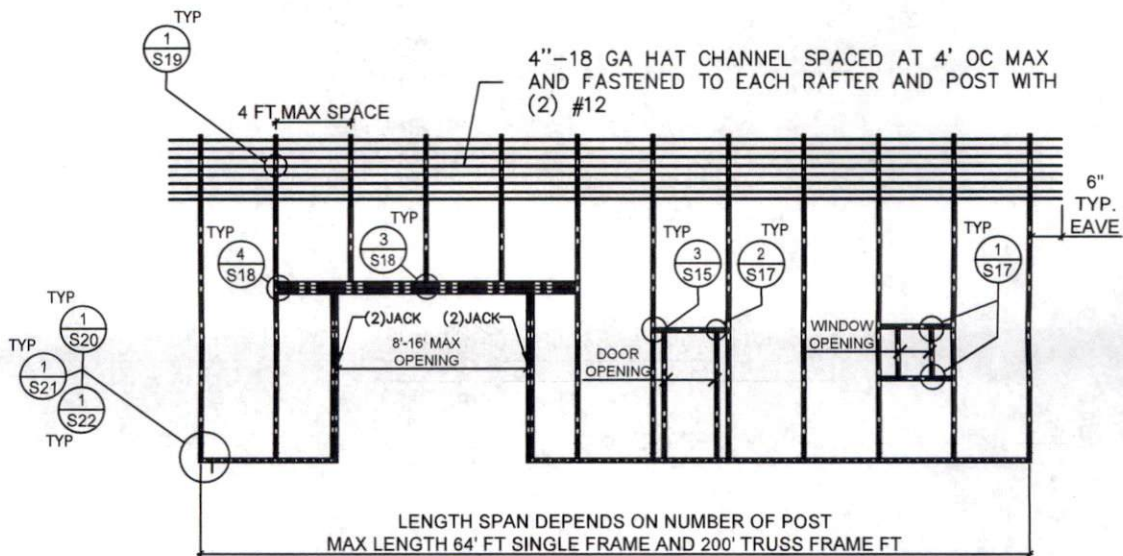
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PROJECT: ENCLOSED
BUILDING

DRAWING NUMBER:
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REV.
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1 FRAME SIDE ELEVATION W/ GARAGE DOOR, DOOR AND WINDOW FRAME
NO SCALE

ELEVATION PLAN

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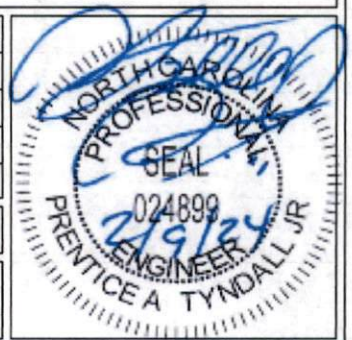
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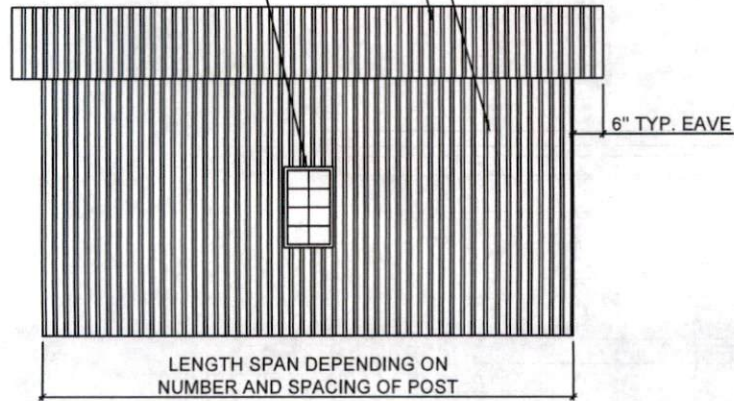
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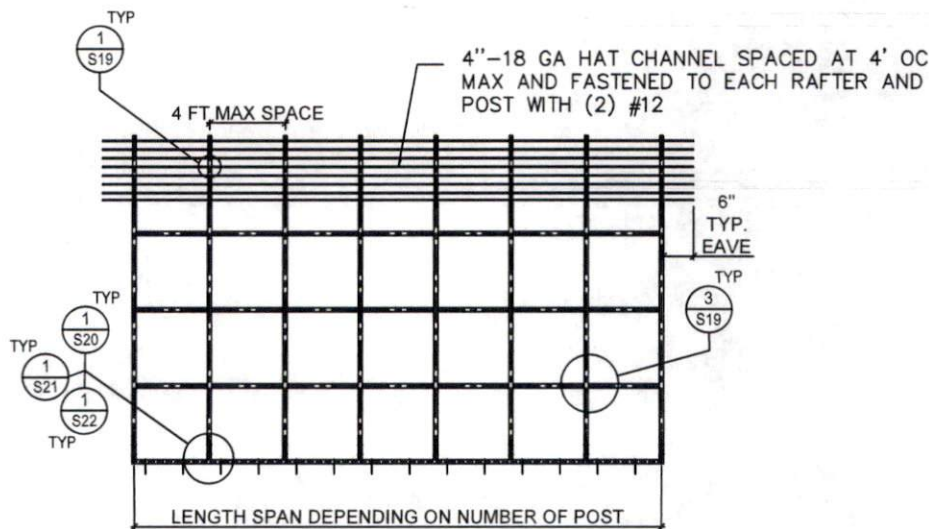


29 GA GALVANIZED METAL DECK PANELS
FOR WALL AND ROOF FASTENED TO HAT
CHANNELS AND GIRTS

WINDOW (AS APPLICABLE)



1 TYPICAL SIDE ELEVATION FOR VERTICAL PANEL DECK
NO SCALE



2 TYPICAL SIDE ELEVATION FOR VERTICAL METAL PANEL DECK
NO SCALE

ELEVATION PLAN

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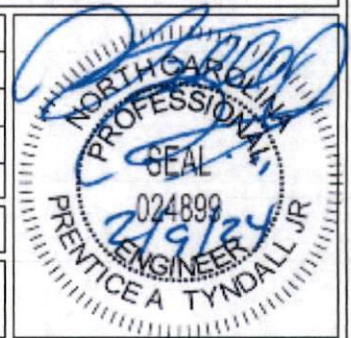
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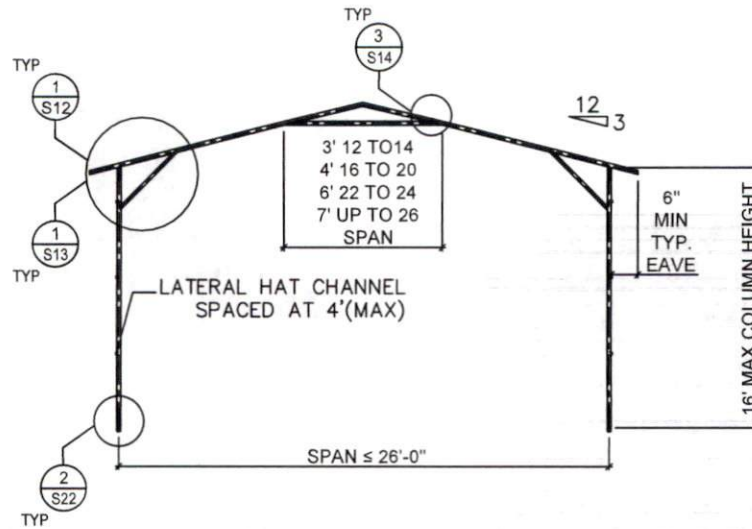
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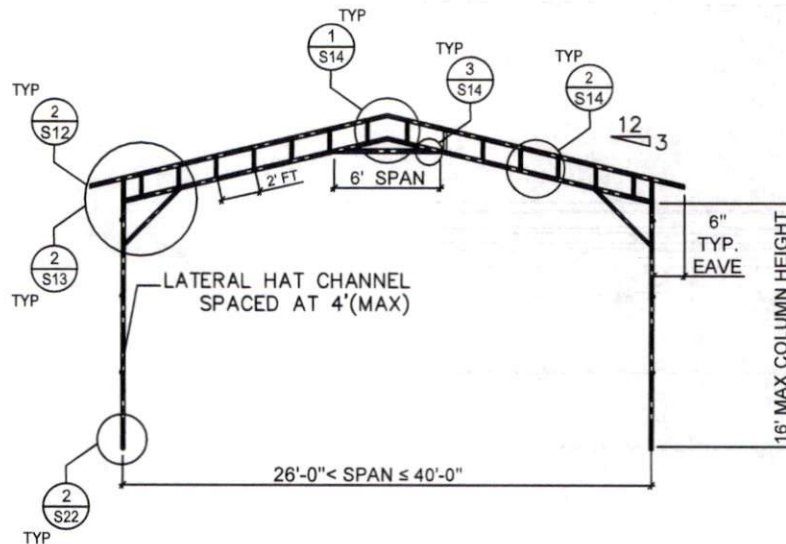
DRAWING NUMBER:
10 of 22

REV.
A





1 C TYPICAL SINGLE FRAME SECTION FOR VERTICAL PANEL DECK
NO SCALE



1 D TYPICAL TRUSS FRAME SECTION FOR VERTICAL PANEL DECK
NO SCALE

ELEVATION PLAN

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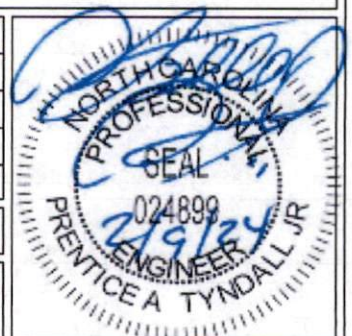
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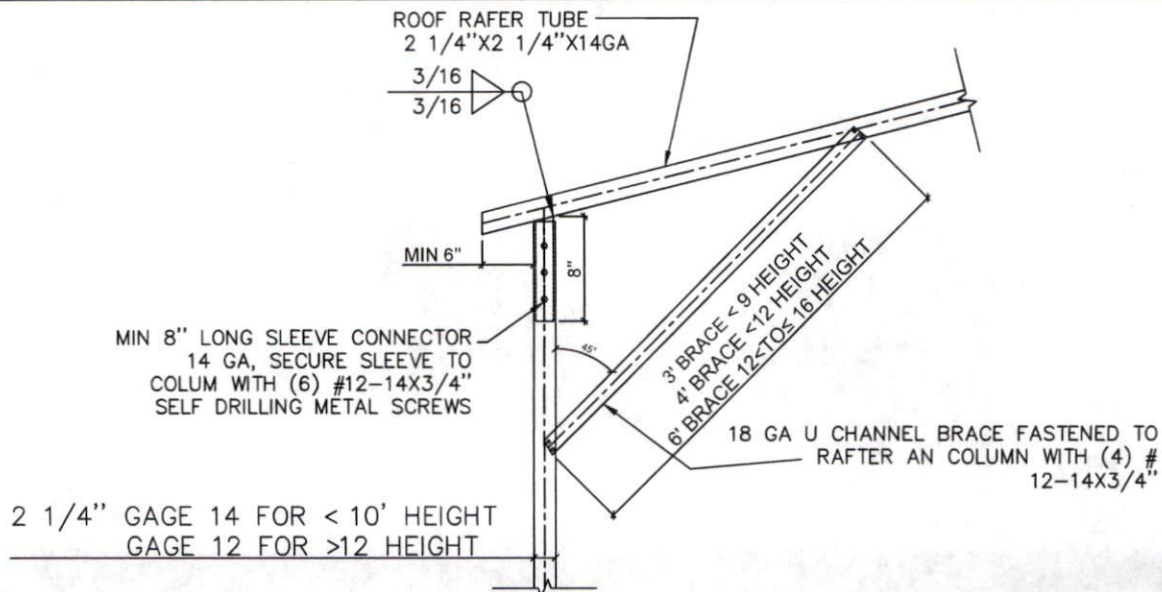
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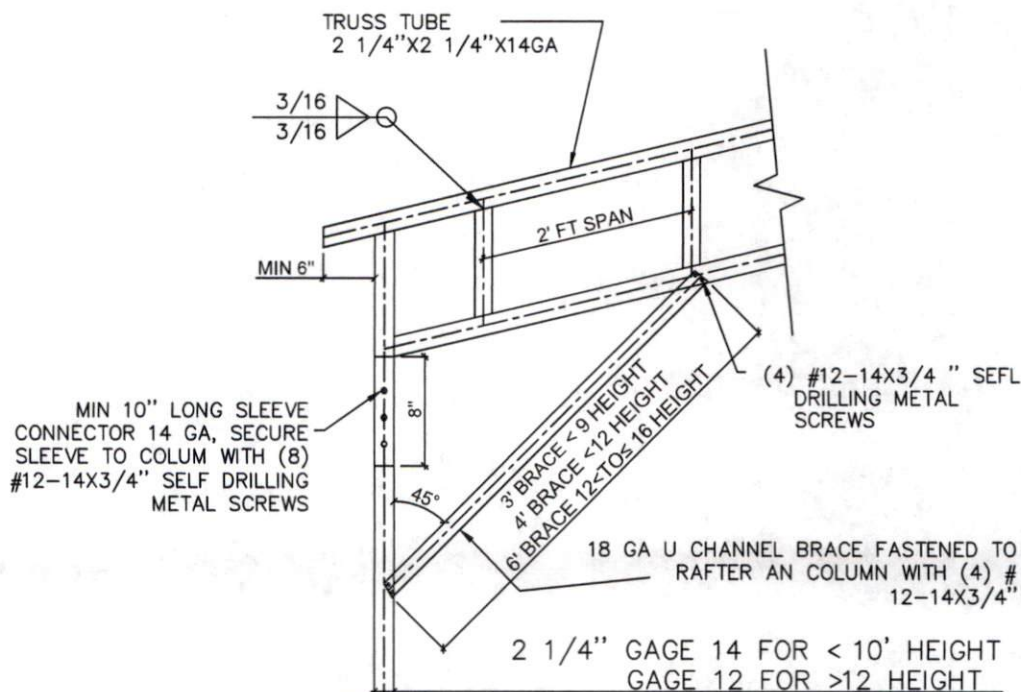
DRAWING NUMBER:
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REV.
A





1 SINGLE FRAME RAFTER-COLUMN CONNECTION DETAIL
NO SCALE FOR WIND SPEEDS UP TO 120 MPH COLUMN HEIGHT ≤ 16 FT



2 TRUSS FRAME RAFTER-COLUMN CONNECTION DETAIL
NO SCALE FOR WIND SPEEDS UP TO 120 MPH COLUMN HEIGHT ≤ 16 FT

DETAILS
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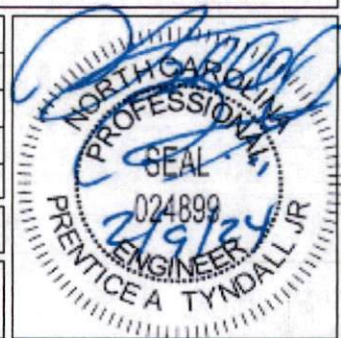
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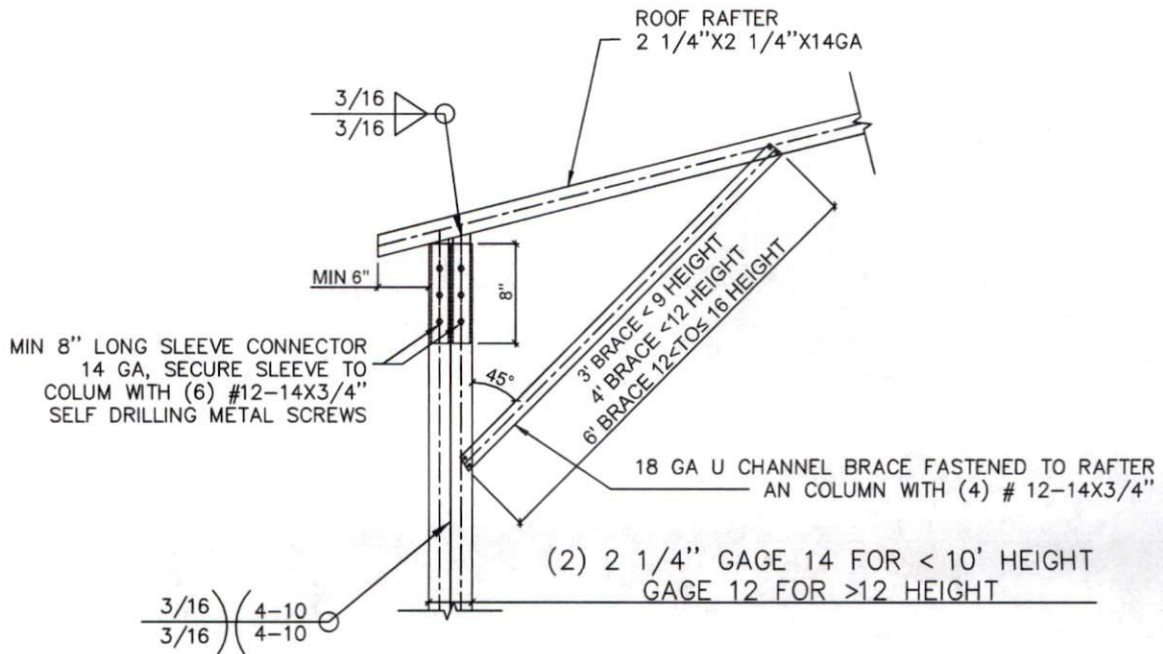
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NAME:		Greater Vision Fellowship Inc.	
ADDRESS:		135 Dry Creek Rd. Lillington, NC	
DRAWN:	CHECKED:	DATE:	PROJECT#:
MR	PTII	06/05/2023	2201-010434F

PROJECT: ENCLOSED
BUILDING

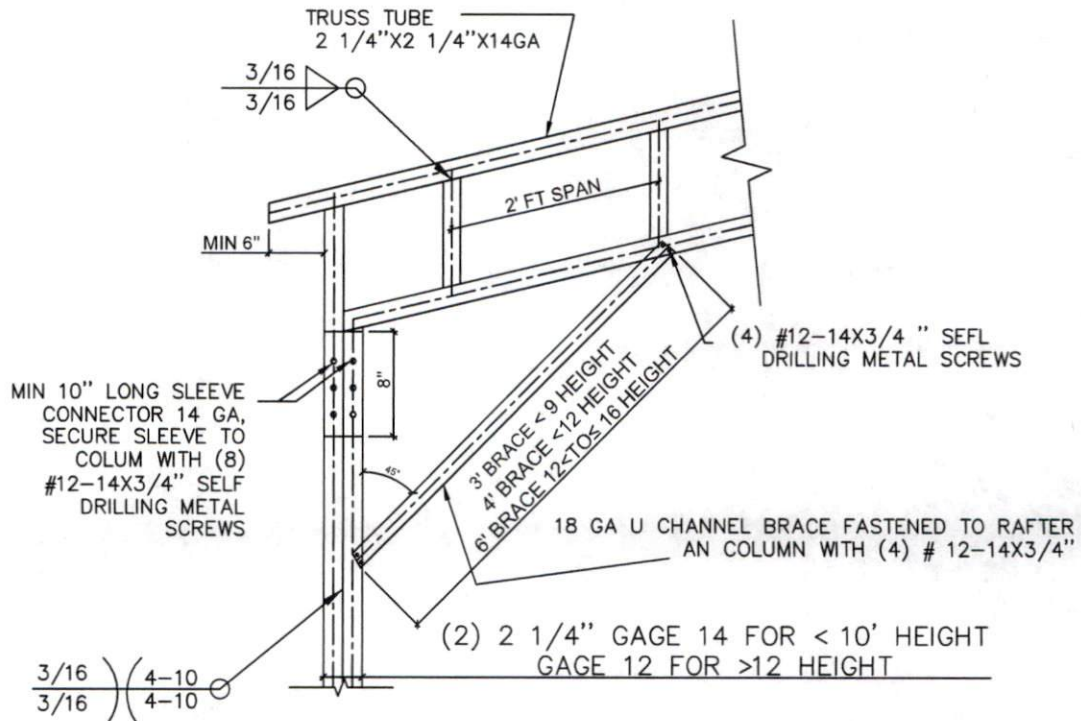
DRAWING NUMBER:
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REV.
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1 SINGLE FRAME RAFTER- DOUBLE COLUMN CONNECTION DETAIL
NO SCALE FOR WIND SPEEDS 130 TO 150 MPH COLUMN HEIGHT UP TO 16 FT



2 TRUSS FRAME RAFTER-DOUBLE COLUMN CONNECTION DETAIL
NO SCALE FOR WIND SPEEDS 130 TO 150 MPH COLUMN HEIGHT UP TO 16 FT

DETAILS
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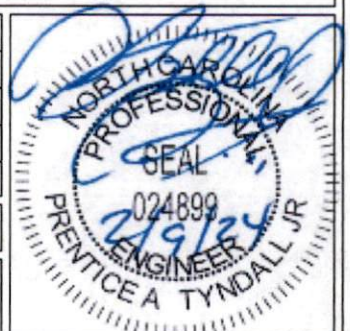
CLIENT: SUPERIOR MS&C,
LLC

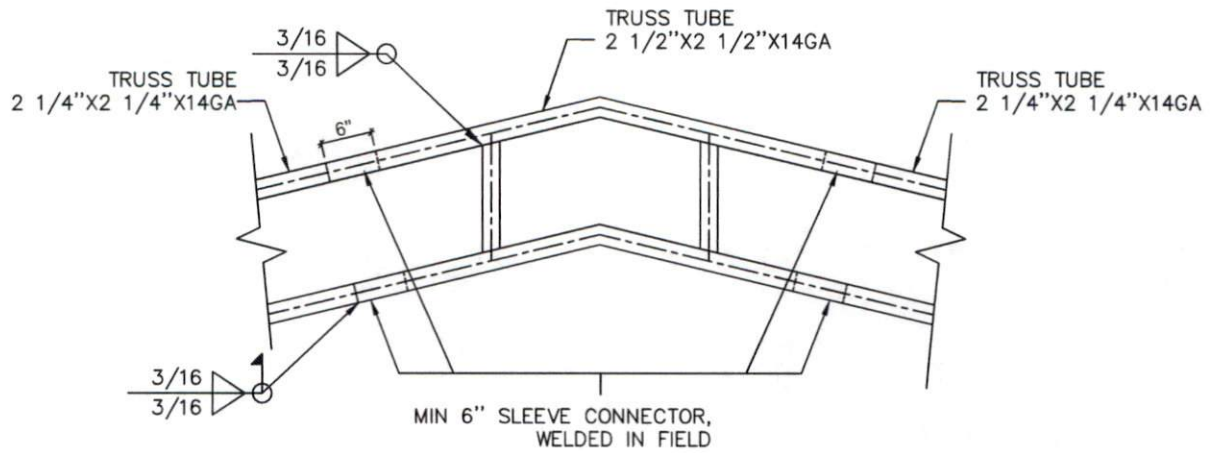
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PROJECT: ENCLOSED
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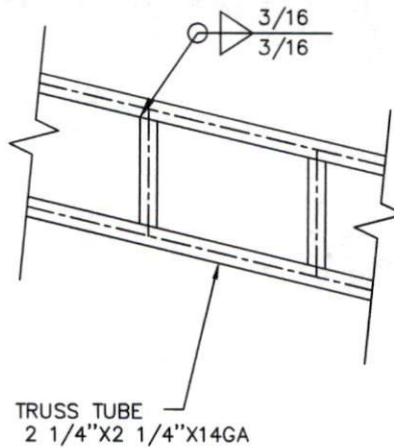
DRAWING NUMBER:
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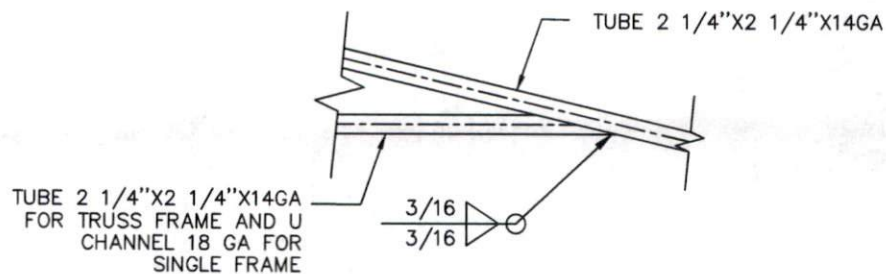




1 TRUSS-TRUSS CONNECTION DETAIL
NO SCALE



2 TRUSS WELD DETAIL
NO SCALE



DETAILS

NTS

3 SINGLE FRAME WELD DETAIL
NO SCALE



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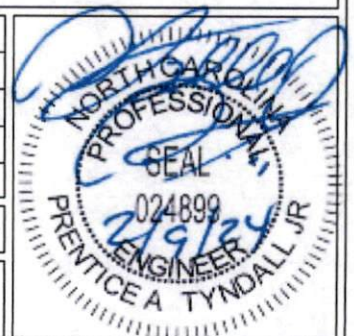
CLIENT: SUPERIOR MS&C,
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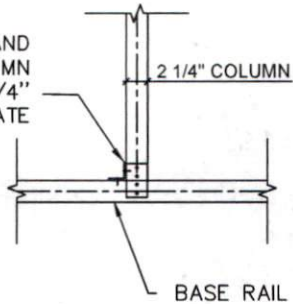
PROJECT: ENCLOSED
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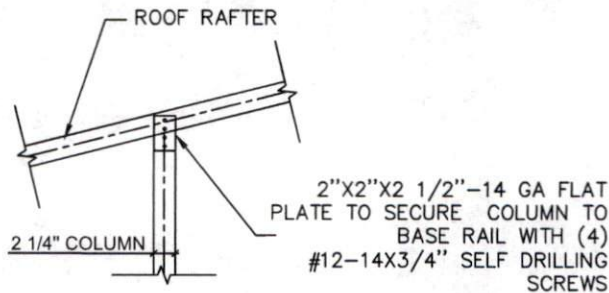
REV.
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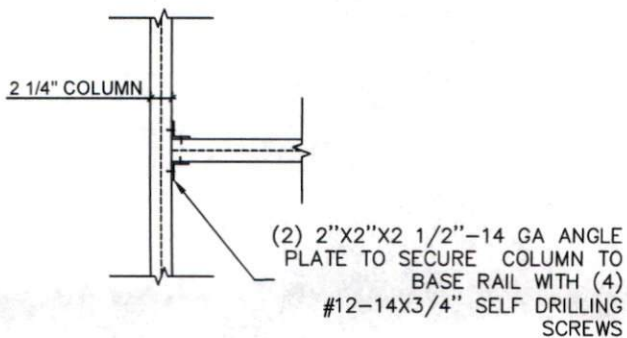
2"x2"x2 1/4"-14 GA (1) FLAT PLATE AND
(1) ANGLE PLATE TO SECURE COLUMN
TO BASE RAIL WITH (4) #12-14X3/4"
SELF DRILLING SCREWS ON EACH PLATE



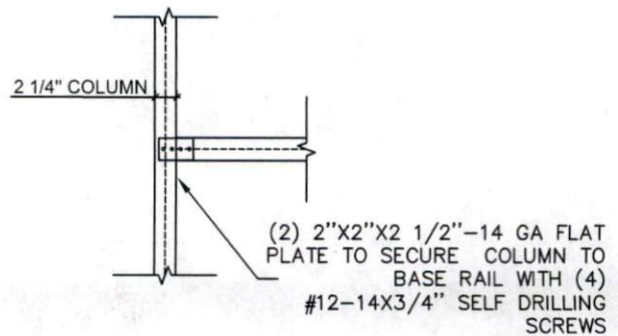
1 FLAT PLATE CONNECTION COLUMN TO BASE RAIL
NO SCALE



2 FLAT PLATE RAFTER-COLUMN CONNECTION DETAIL
NO SCALE



3A ANGLE PLATE HEADER-COLUMN CONNECTION DETAIL
NO SCALE



3B FLAT PLATE HEADER-COLUMN CONNECTION DETAIL
NO SCALE

DETAILS

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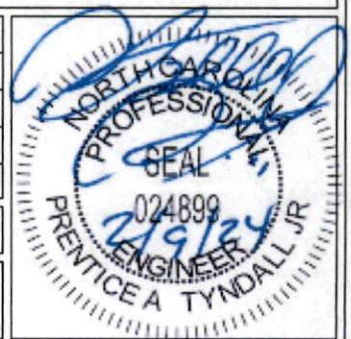
CLIENT: SUPERIOR MS&C,
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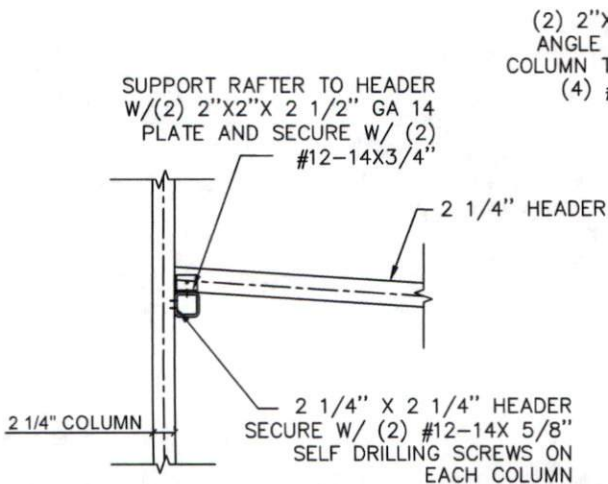
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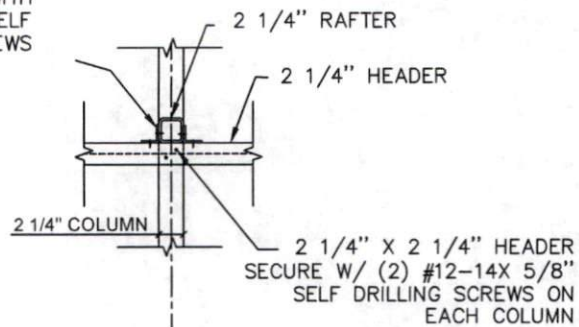
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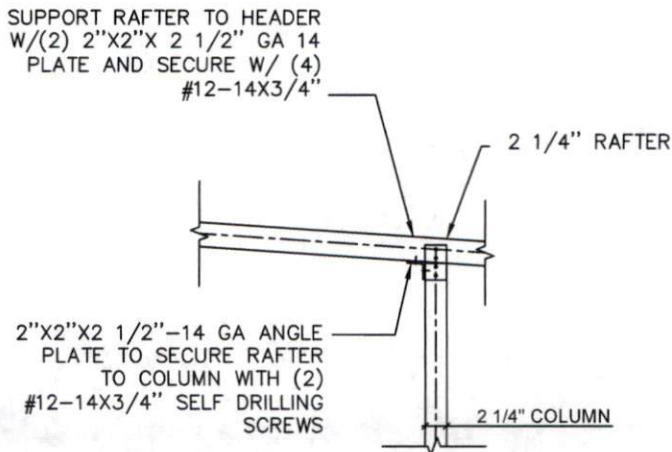


1 EXTERIOR LEAN COLUMN-HEADER CONNECTION DETAIL
NO SCALE

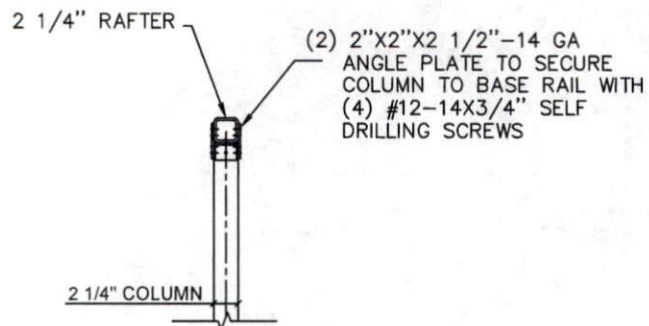
(2) 2"x2"x2 1/2"-14 GA
ANGLE PLATE TO SECURE
COLUMN TO BASE RAIL WITH
(4) #12-14X3/4" SELF
DRILLING SCREWS



1 EXTERIOR LEAN COLUMN-HEADER CONNECTION DETAIL
NO SCALE



2 EXTERIOR LEAN COLUMN-HEADER CONNECTION DETAIL
NO SCALE



2 EXTERIOR LEAN COLUMN-HEADER CONNECTION DETAIL
NO SCALE

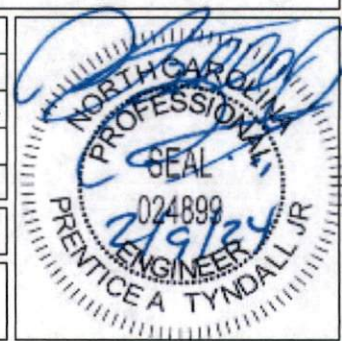


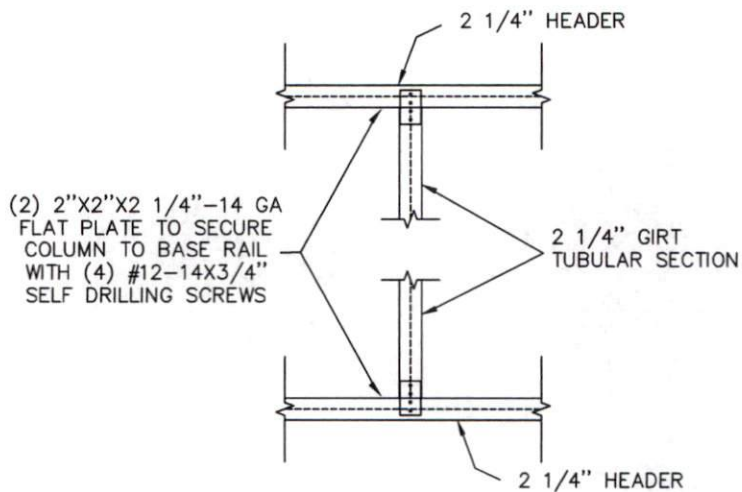
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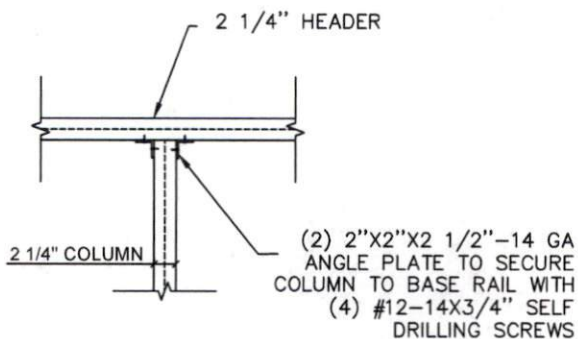
CLIENT: SUPERIOR MS&C,
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PROJECT: ENCLOSED BUILDING		DRAWING NUMBER: 16 of 22	REV: A

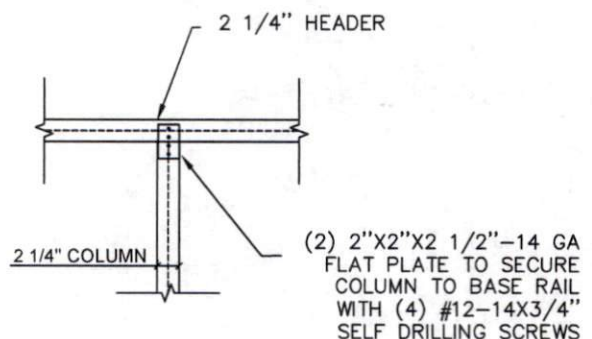




1 FLAT PLATE HEADER CONNECTION FOR WINDOW DETAIL
NO SCALE



2A ANGLE PLATE DOOR COLUMN-HEADER CONNECTION DETAIL
NO SCALE



2B FLAT PLATE DOOR COLUMN-HEADER CONNECTION DETAIL
NO SCALE

DETAILS

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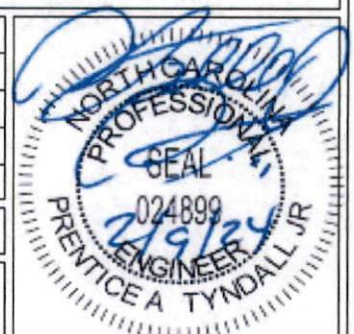
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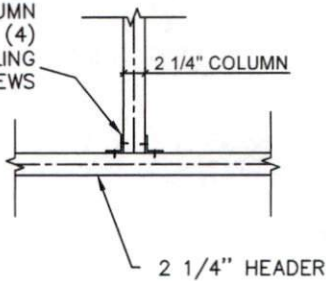
PROJECT: ENCLOSED
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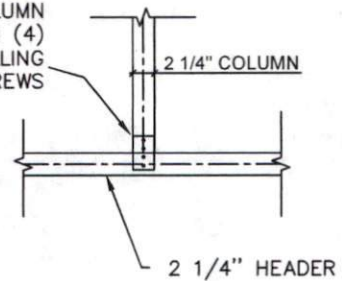


2"X2"X2 1/2"-14 GA ANGLE
PLATE TO SECURE COLUMN
TO BASE RAIL WITH (4)
#12-14X3/4" SELF DRILLING
SCREWS

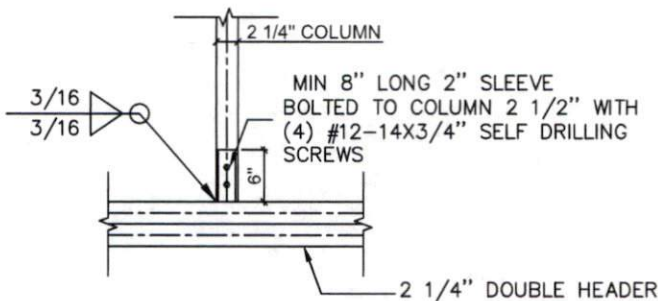


1 ANGLE PLATE CONNECTION COLUMN-HEADER
NO SCALE A FOR 9'X8' OR 10X8 ROLLER DOOR SPAN UP TO 9 FT

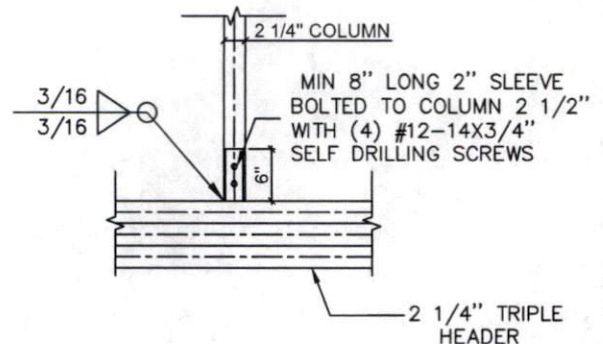
2"X2"X2 1/2"-14 GA FLAT
PLATE TO SECURE COLUMN
TO BASE RAIL WITH (4)
#12-14X3/4" SELF DRILLING
SCREWS



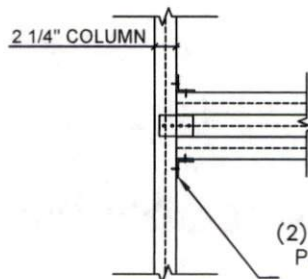
1 FLAT PLATE CONNECTION COLUMN-HEADER
NO SCALE B FOR 9'X8' OR 10X8 ROLLER DOOR SPAN UP TO 9 FT



2 DOUBLE HEADER-COLUMN CONNECTION DETAIL
NO SCALE FOR 10'X10' ROLLER DOOR OR SPAN OPENING 10 TO 16 FT



3 DOUBLE HEADER-COLUMN CONNECTION DETAIL
NO SCALE FOR SIDE ROLLER DOOR OPENING



(2) 2"X2"X2 1/2"-14 GA ANGLE
PLATE AND (1) FLAT PLATE TO
SECURE COLUMN TO BASE
RAIL WITH (4) #12-14X3/4"
SELF DRILLING SCREWS

4 ANGLE PLATE TRIPLE HEADER-COLUMN CONNECTION DETAIL
NO SCALE FOR SIDE FRAME ROLLER DOOR OPENING

DETAILS

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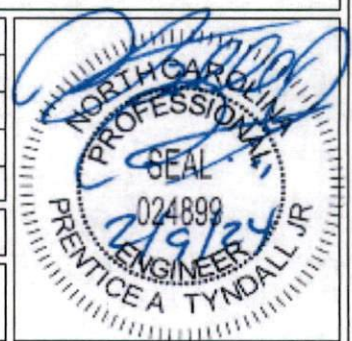
CLIENT: SUPERIOR MS&C,
LLC

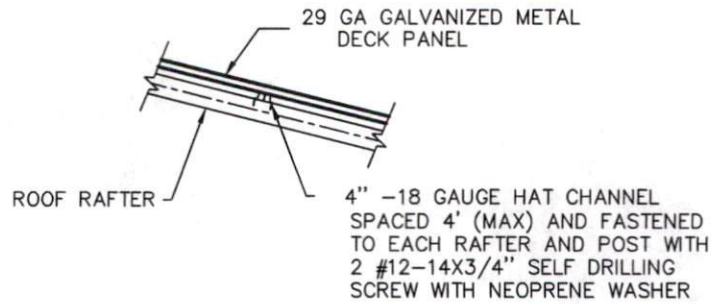
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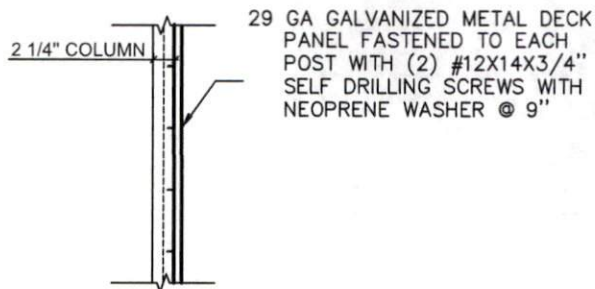
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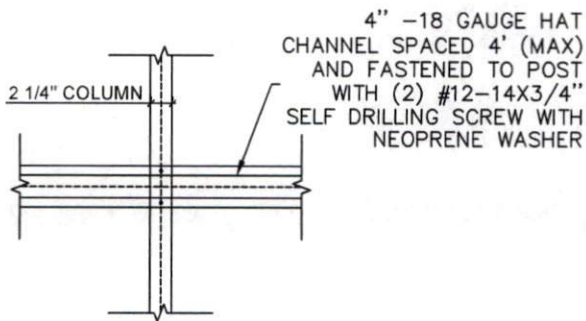




1 SINGLE FRAME RAFTER-COLUMN CONNECTION DETAIL
NO SCALE



2 DECKING-COLUMN CONNECTION
NO SCALE



3 HAT-COLUMN CONNECTION DETAIL FOR VERTICAL DECKING
NO SCALE



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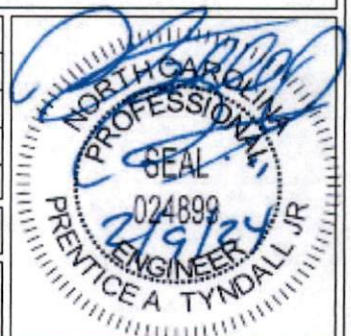
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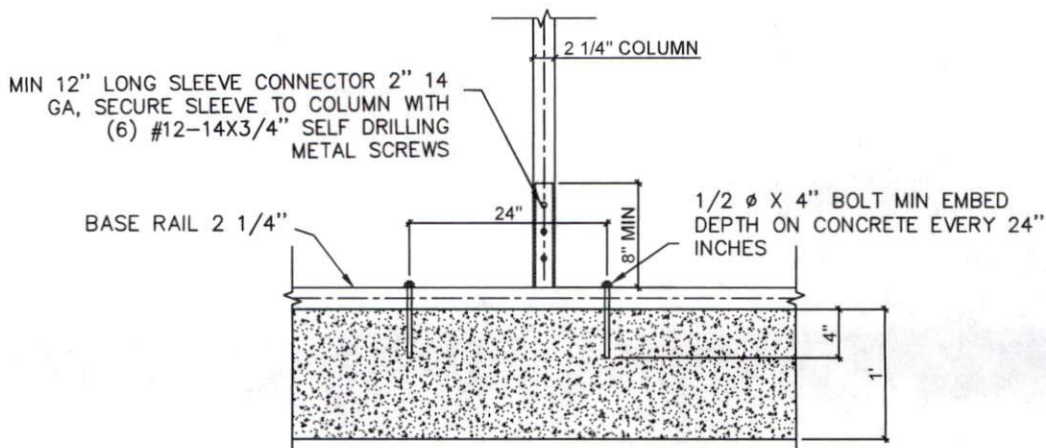
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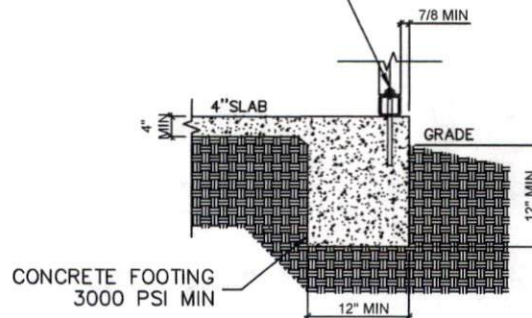
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1 BASE RAIL ANCHOR CONNECTION DETAIL FOR WINDS UP 120 MPH
NO SCALE

1/2" ϕ X 4" BOLT MIN EMBED DEPTH ON CONCRETE EVERY 24" INCHES (0.7 FACTOR FOR ANCHOR W/MIN EDGE)



1 BASE RAIL ANCHOR LATERAL VIEW FOR WINDS UP 120 MPH
NO SCALE

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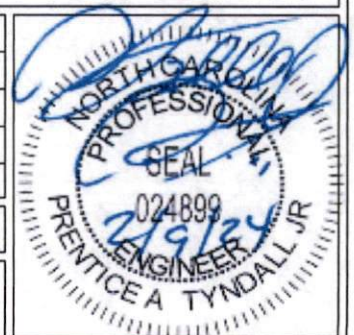
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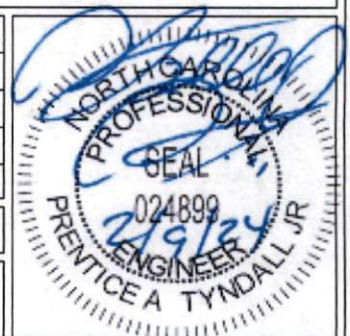
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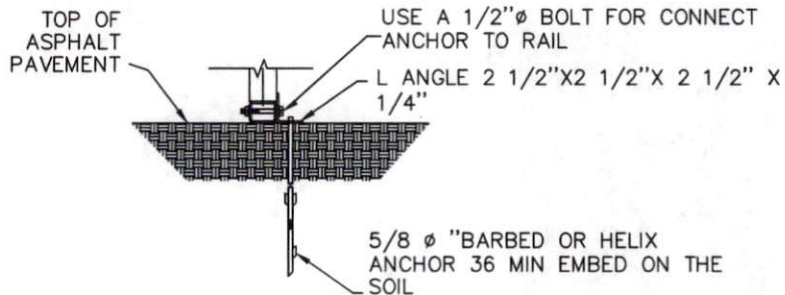
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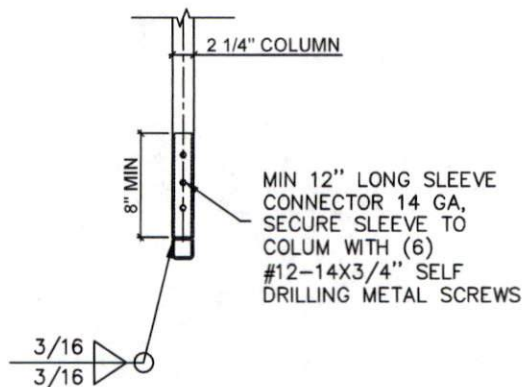


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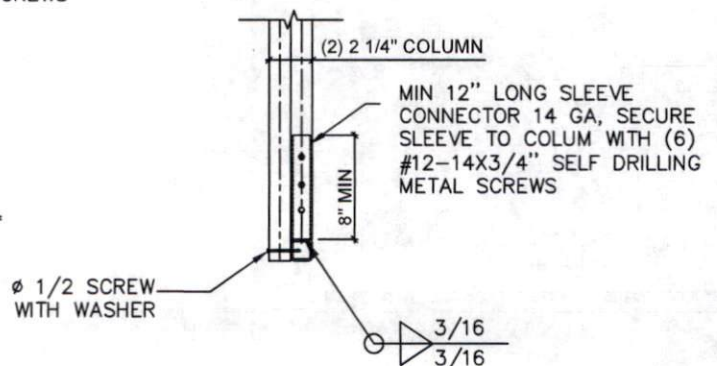




1 BASE RAIL ANCHORAGE WITH BARBED OR HELIX ANCHOR
NO SCALE



2 BASE RAIL-COLUMN CONNECTION DETAIL
NO SCALE



3 BASE RAIL-COLUMN CONNECTION DETAIL
NO SCALE



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