

APPROVED PRODUCTS LIST			
PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE
STRUCTURAL COMPONENTS	ROOF DECK	AGRI-METAL SUPPLY, INC. 29 Gauge Roof Panel	FL13768-1 12/15/20
STRUCTURAL COMPONENTS	STRUCTURAL WALL	AGRI-METAL SUPPLY, INC. 29 Gauge Wall Panel	FL13768-1 12/15/20
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 407	FL17996.5-R2 02/28/21
WINDOWS	SINGLE HUNG	SILVER LINE BUILDING PRODUCTS CORP. V1 Series / 50 Series (2000)	FL14911.1-R12 12/15/20
EXTERIOR DOORS	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC Steel Roll-Up Sheet Door - (12' Max. Width)	FL12765.8 - R6 10/12/20
EXTERIOR DOORS	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC Series 750 - (10' Max. Width)	FL12765.8 10/12/20

METAL FRAMING AND SIDING PREFABRICATED BY
MARTINEZ CARPORTS, LLC.
LAKE CITY, FLORIDA

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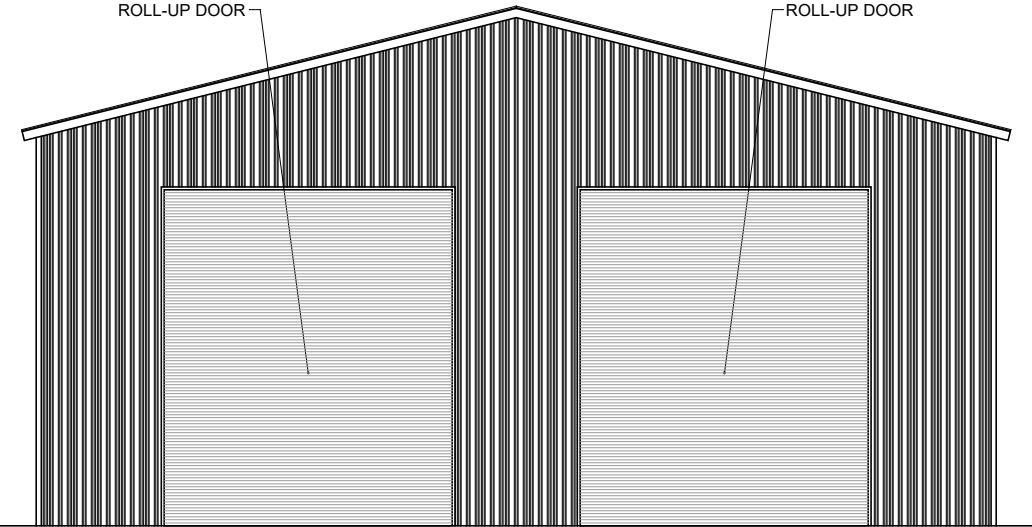
THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED
PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE FLORIDA BUILDING
CODE, SEVENTH EDITION (2020).

GENERAL NOTES:

1. THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM, COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, FINISH FLOOR ELEVATION AND SLOPE, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.
2. THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE UTILITY / STORAGE BUILDINGS (RISK CATEGORY I) CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS. IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, INCLUDING DOORS, WINDOWS, SOLAR PANELS, LIGHTING, INTERIOR WALL(S), CEILING FIXTURES, OR OTHER COMPONENTS NOT LISTED IN THE FBC APPROVED PRODUCTS LIST (THIS SHEET), AND NOT PROVIDED AND INSTALLED BY MARTINEZ CARPORTS, LLC., WHICH EXERT ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. BECHTOL ENGINEERING AND TESTING, INC., SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.
3. ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL.
4. ALL COMPONENTS AND CLADDING SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. ALL FIELD FRAMING CONNECTIONS SHALL BE #12-14 x 3/4" SELF DRILLING SCREWS **WITHOUT CONTROL SEAL WASHER**. ALL SHOP FRAMING CONNECTIONS SHALL BE WELDED.
6. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40. CONCRETE SLAB FOUNDATIONS SHALL BE REINFORCED WITH 6x6 - W1.4xW1.4 WELDED WIRE FABRIC COMPLYING WITH ASTM A 185, OR WITH SYNTHETIC FIBER REINFORCEMENT COMPLYING WITH ASTM C1116.
7. CONCRETE ANCHORS SHALL BE TAPCON REDHEAD LDT 1/2" x 5" OR EQUIVALENT.
8. POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS AND GABLE ENDS.
9. SLAB FOUNDATION SUBGRADE SOILS SHALL BE TERMITE TREATED AND COVERED WITH 6 MIL VAPOR RETARDER PER SECTION R318.1 OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) - RESIDENTIAL, AND SECTION 1816.1 OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) - BUILDING. SOIL LOAD BEARING PRESSURE OF 2000PSF IS ASSUMED.
10. 14 GA FRAMING: 2-1/2" x 2-1/2" TUBE STEEL (TS) WITH 2-1/4" x 2-1/4" TS NIPPLES.
12 GA FRAMING: 2-1/4" x 2-1/4" TS WITH 2" x 2" TS NIPPLES.
11. FOR ROOF SLOPES LESS THAN 7 DEGREES, SEAL ALL PANEL OVERLAPS WITH BUTYL TAPE OR OTHER SUITABLE SEALANT.
12. FOR CONTINUOUS REINFORCING, MINIMUM BAR OVERLAP SHALL BE 40 BARS DIAMETERS (25" FOR #5 REBAR)

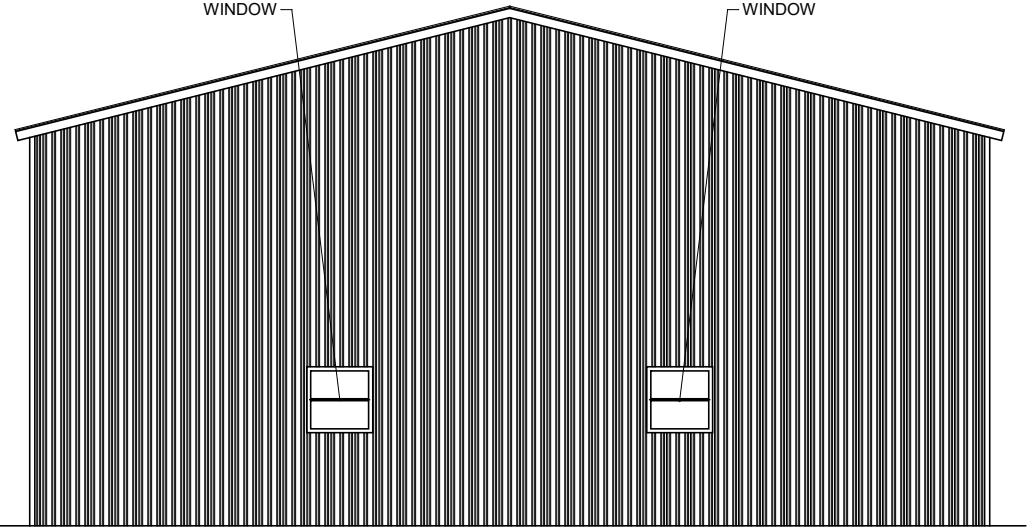
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	II-B
RISK CATEGORY:	I
BUILDING ENCLOSURE TYPE:	ENCLOSED
WIND EXPOSURE CATEGORY:	C
ULTIMATE WIND SPEED (MPH):	110
NOMINAL DESIGN WIND SPEED (MPH):	86
MEAN ROOF HEIGHT (FEET):	18.50
ROOF ANGLE (DEGREES):	14.0
INTERNAL PRESSURE COEFFICIENT:	+0.18 / -0.18
DESIGN PRESSURES (PSF):	
ROOF:	
ZONE 1:	+16.0 / -16.0
ZONE 2e:	+16.0 / -16.0
ZONE 2n:	+16.0 / -26.8
ZONE 2r:	+16.0 / -26.8
ZONE 3e:	+16.0 / -26.8
ZONE 3r:	+16.0 / -30.6
WALLS:	
ZONE 4:	+16.0 / -16.2
ZONE 5:	+16.0 / -18.4
SWINGING DOOR:	+16.0 / -17.4
ROLL-UP DOOR:	+16.0 / -17.0
WINDOW:	+16.8 / -18.2

NOTE: 14 GA FRAMING



FRONT ELEVATION

SCALE: 1/8" = 1'



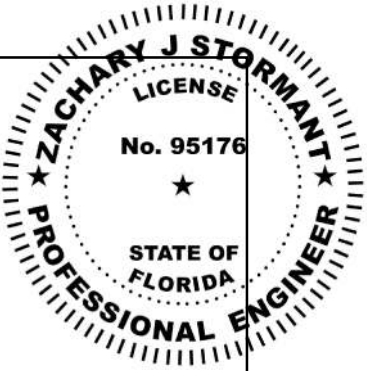
REAR ELEVATION

SCALE: 1/8" = 1'

BECHTOL ENGINEERING AND TESTING, INC.
605 WEST NEW YORK AVENUE
DELAND, FLORIDA 32720

Zachary J Stormant
Digitally signed by Zachary J Stormant
Date: 2023.05.25 12:35:40 -04'00'

Zachary J. Stormant, P.E.
Design Engineer
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Professional Engineer, License No. 95176
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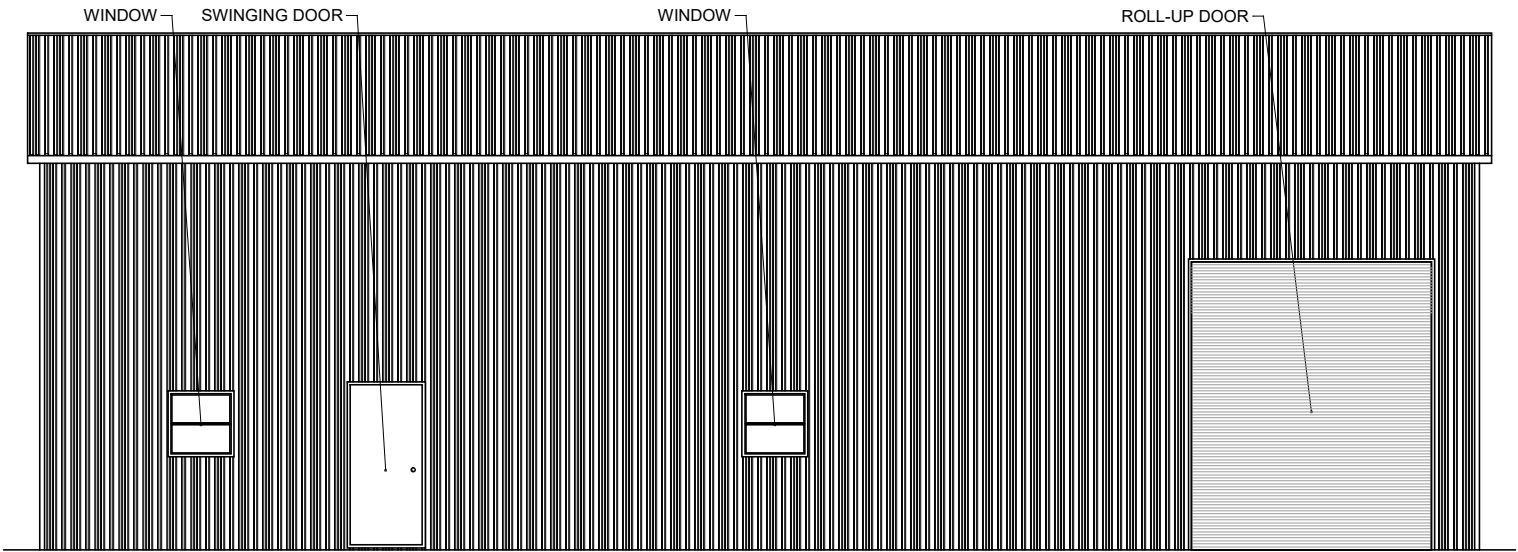
PROPOSED UTILITY STRUCTURE
5012 SOUTHWEST PINEMOUNT ROAD
LAKE CITY, COLUMBIA COUNTY, FLORIDA



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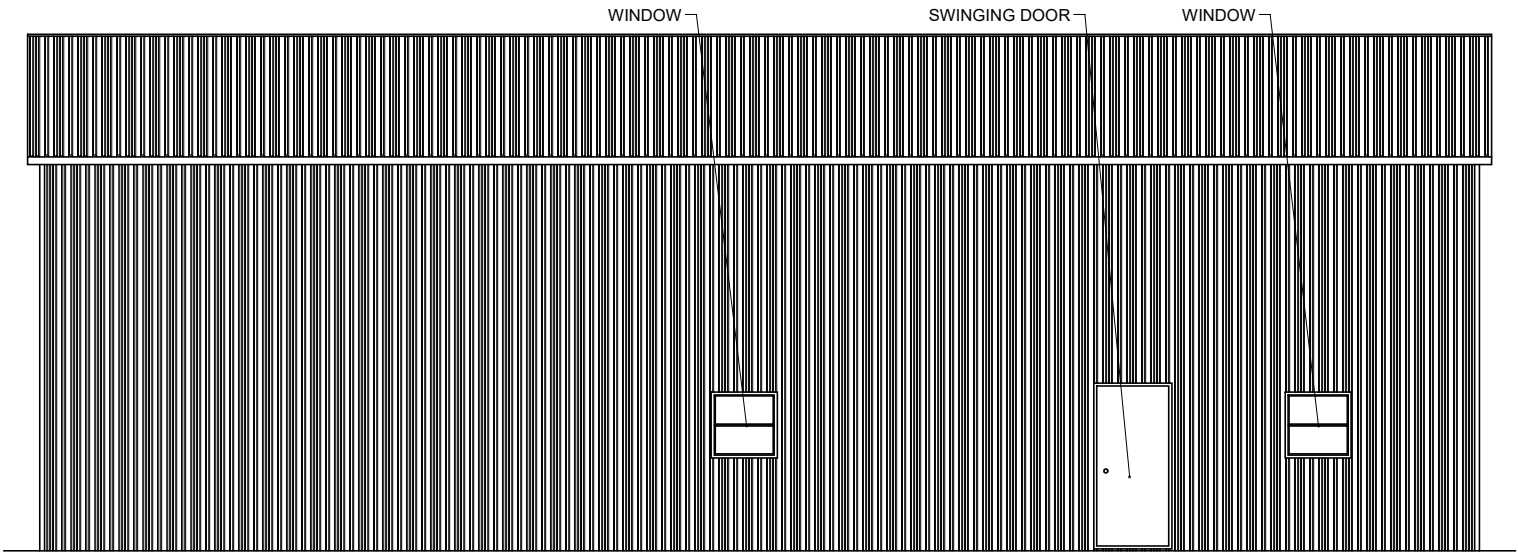
CONSULTING GEOTECHNICAL, ENVIRONMENTAL, AND MATERIALS TESTING ENGINEERS
Certificate of Authorization No. 00005492

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APPROVED: LP / ZS		SHEET 1 OF 5



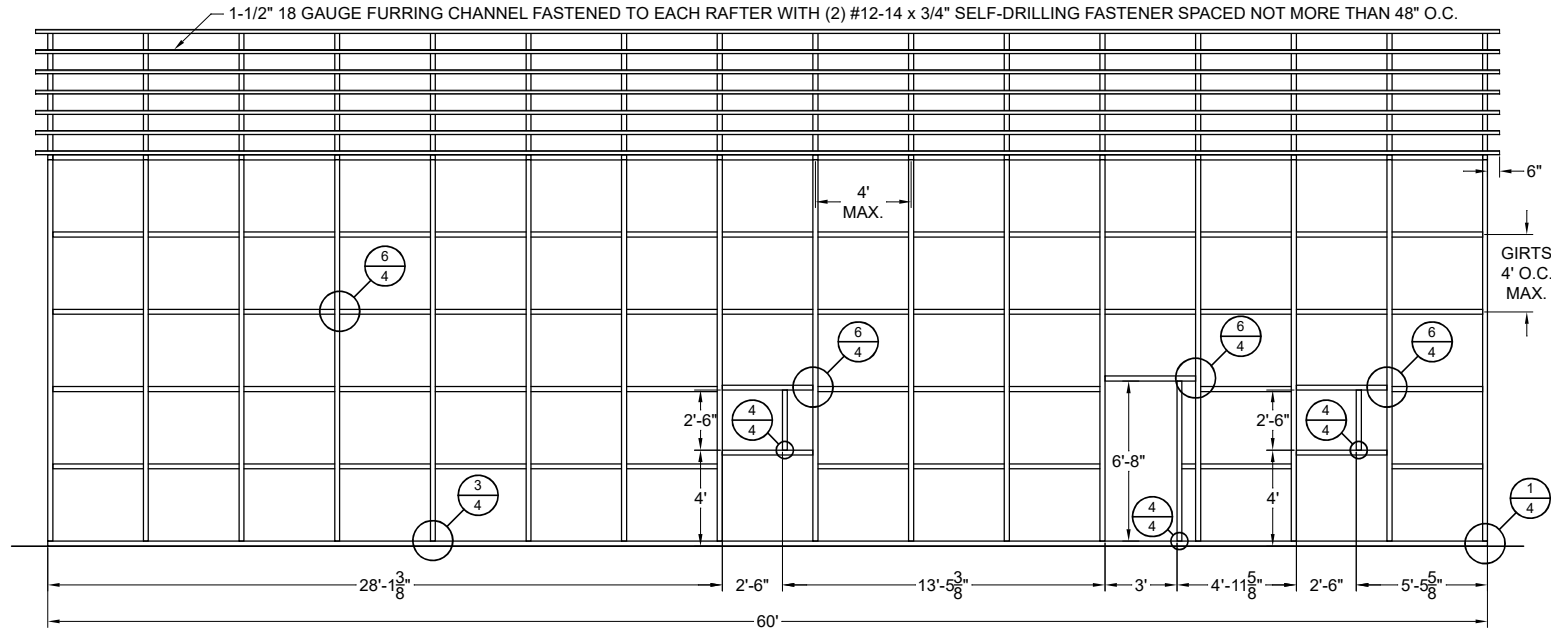
RIGHT SIDE ELEVATION

SCALE: 1/8" = 1'



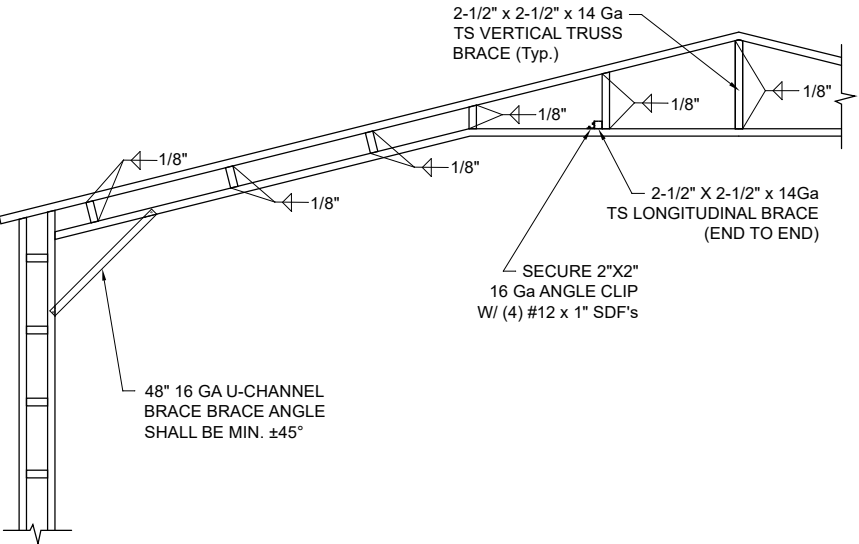
LEFT SIDE ELEVATION

SCALE: 1/8" = 1'



LEFT SIDE POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'



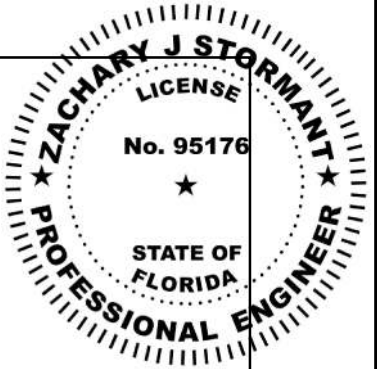
TRUSS DETAIL

SCALE: Not To Scale

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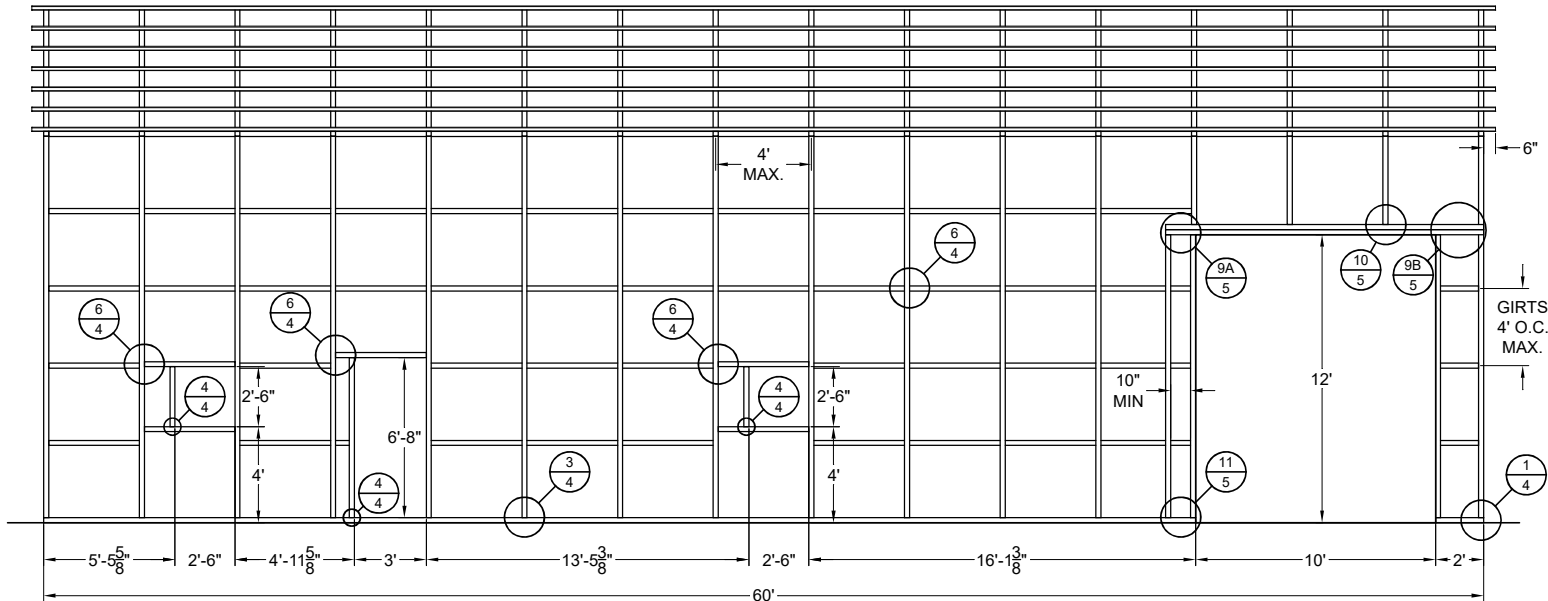
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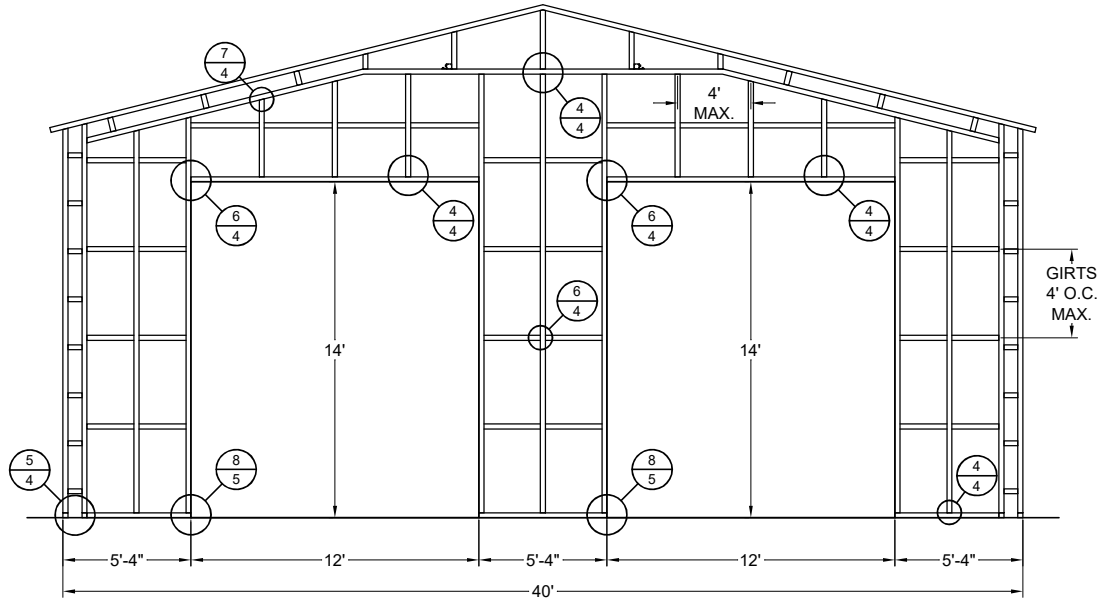
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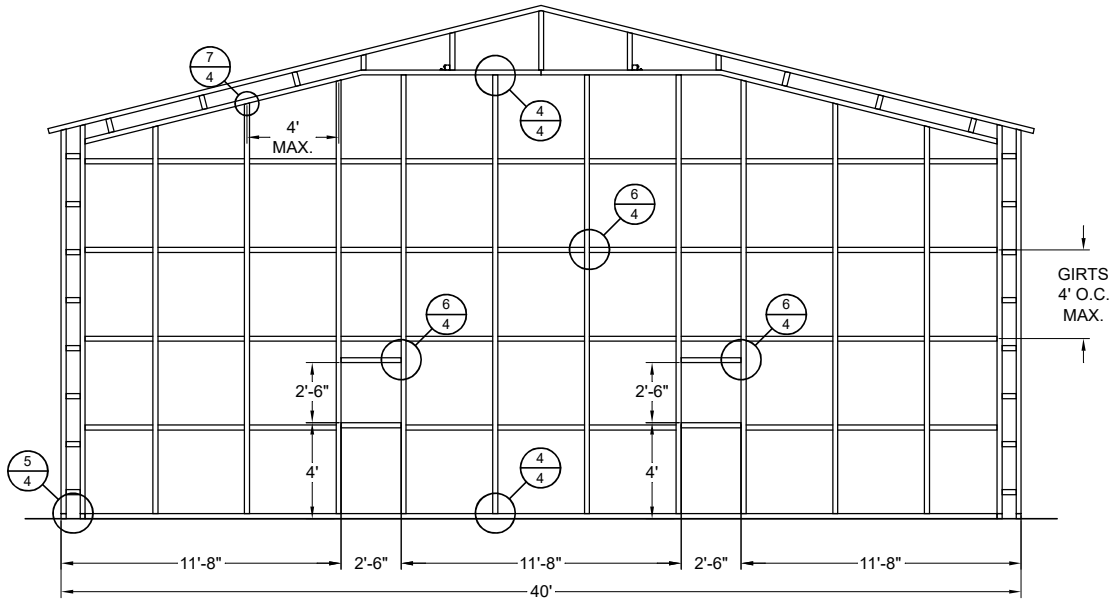
RIGHT SIDE POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'



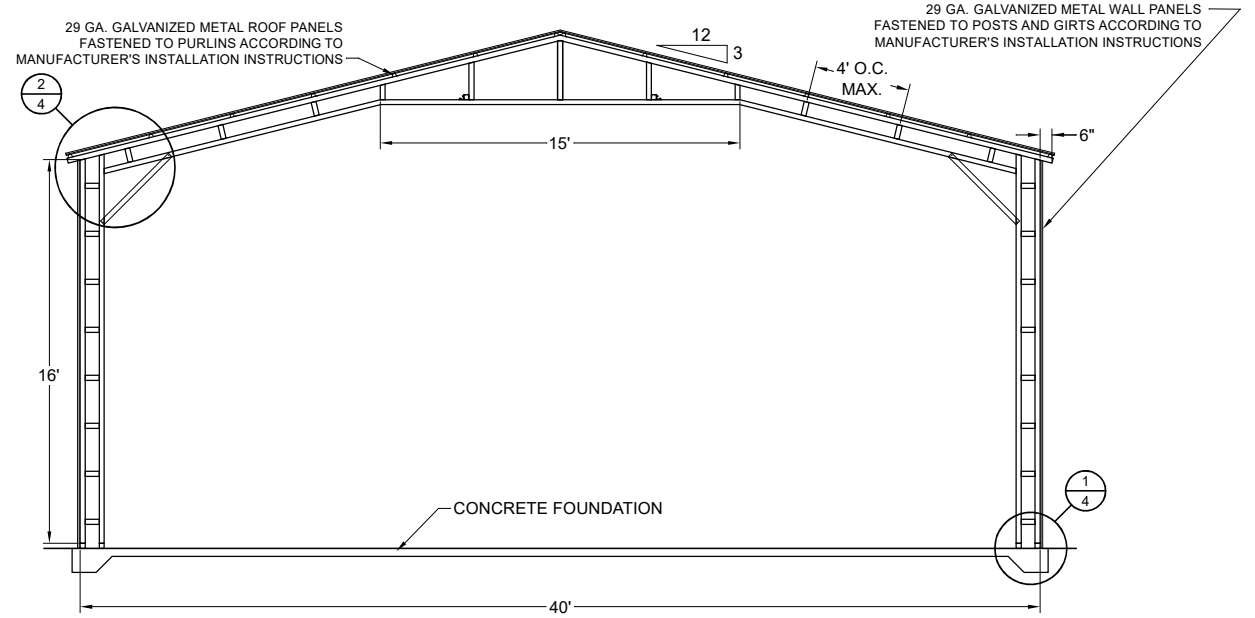
FRONT POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'



REAR POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'



TYPICAL INTERIOR POST/RAFTER FRAMING SECTION

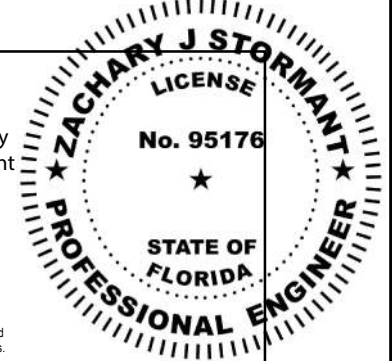
SCALE: 1/8" = 1'

(FRONT VIEW)

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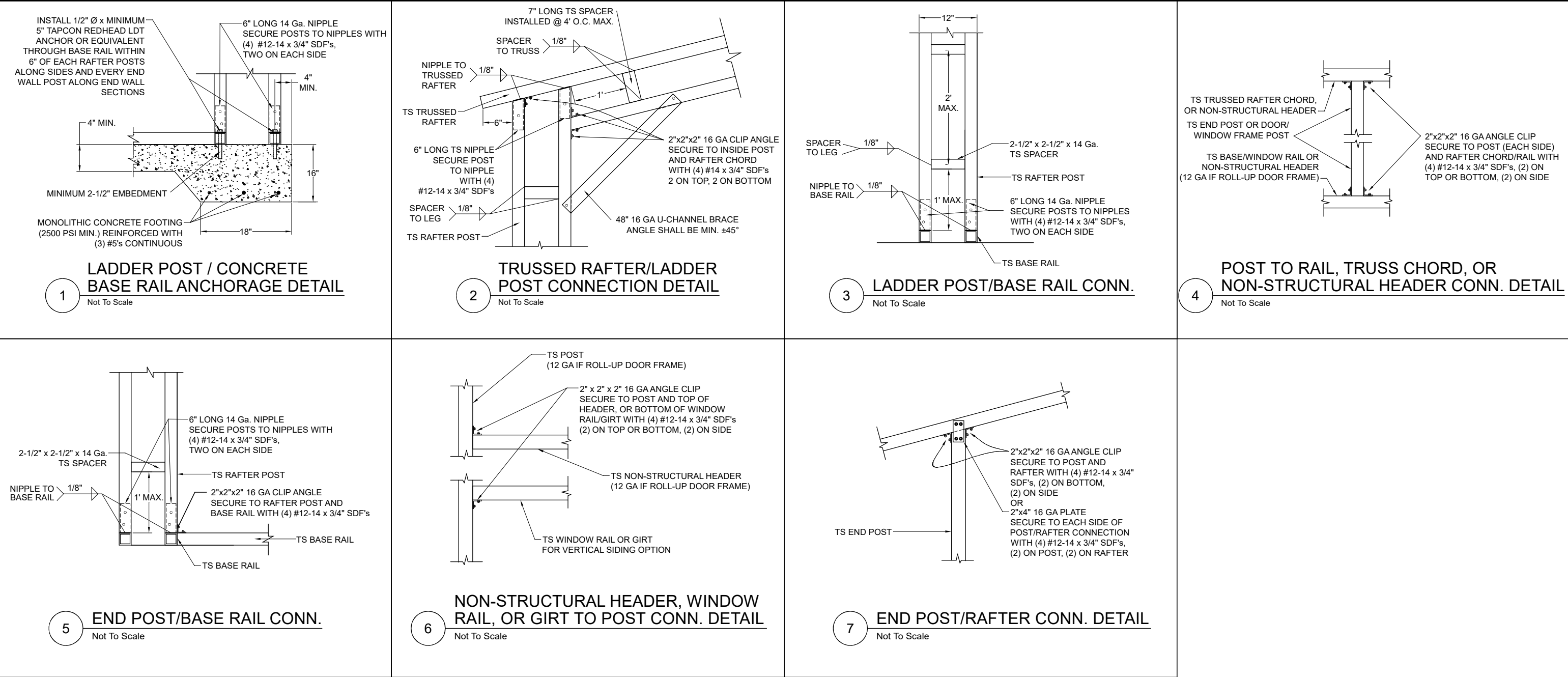
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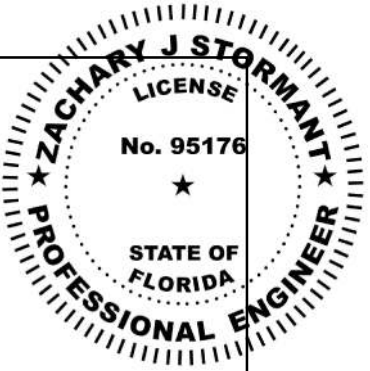


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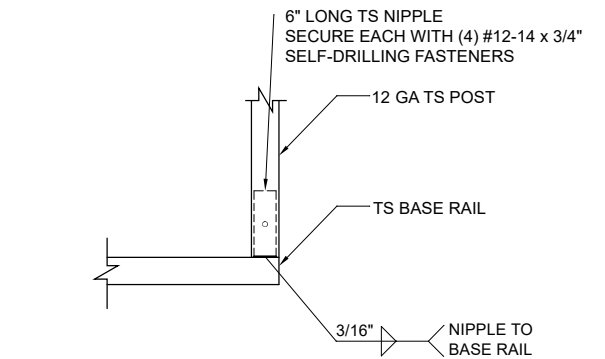
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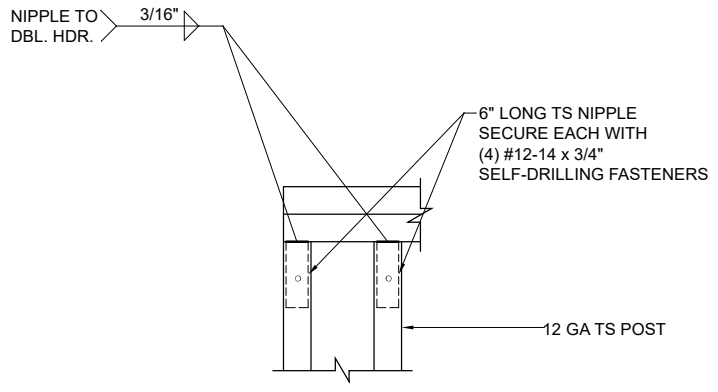
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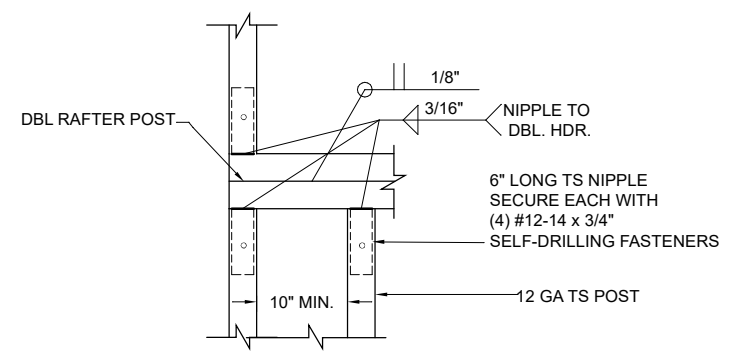
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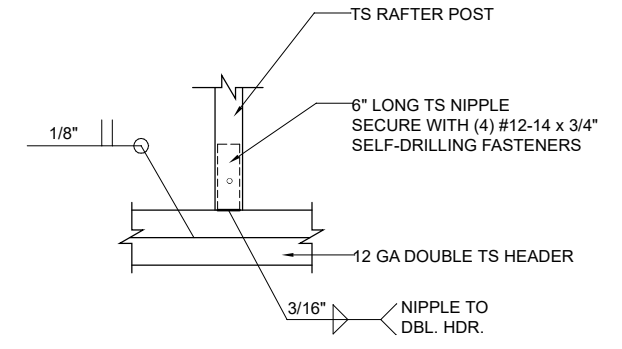
8 FRAMEOUT/ ROLL UP POST / BASE RAIL CONN. DETAIL
Not To Scale



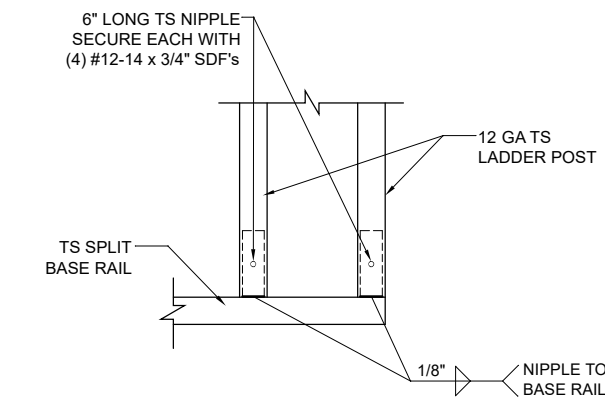
9A RAFTER POST/DBL. HEADER DETAIL
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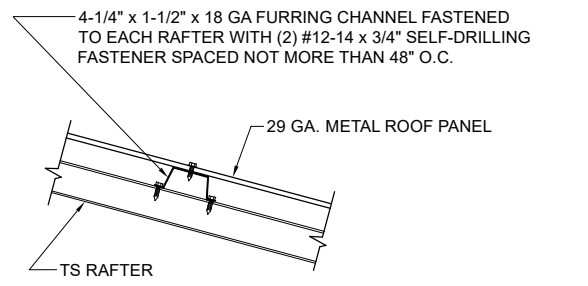
9B RAFTER POST/DBL. HEADER DETAIL
Not To Scale



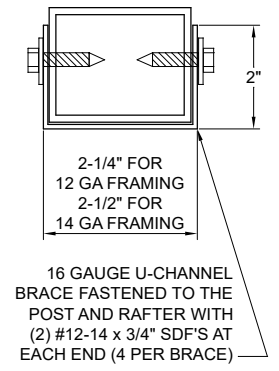
10 RAFTER POST/HEADER DETAIL
Not To Scale



11 RAFTER POST/BASE RAIL CONNECTION DETAIL
Not To Scale



ROOF PANEL ATTACHMENT
Not To Scale



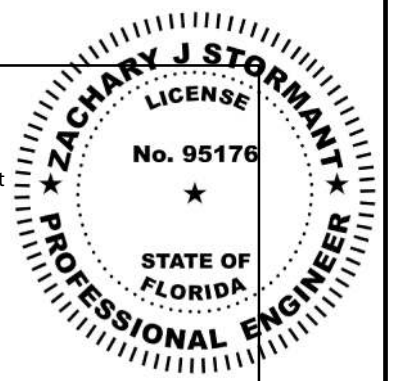
BRACE SECTION
Not To Scale

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