

APPROVED PRODUCTS LIST

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE
STRUCTURAL COMPONENTS	ROOF DECK	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	FL6596.1-R7 12/12/23
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	FL6702.1-R7 12/12/23
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 407	FL17996.5-R4 08/10/24
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (16' Max. Width)	FL41335.1-R1 12/13/23
WINDOWS	SINGLE HUNG	CGI WINDOWS AND DOORS Model SH 4100A	FL23358.2-R9 08/12/25

GENERAL NOTES:

- 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.
- THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE UTILITY/STORAGE BUILDINGS, CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS. OWNER UNDERSTANDS AND ACKNOWLEDGES THE RISK OF ADDING IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, INCLUDING DOORS, WINDOWS, SOLAR PANELS, LIGHTING, INTERIOR WALL(S), CEILING FIXTURES, OR OTHER COMPONENTS NOT PROVIDED AND INSTALLED BY CAROLINA CARPORTS, INC., WHICH EXERT ADDITIONAL LOADS ON THE STRUCTURE, OWNER UNDERSTANDS AND ACKNOWLEDGES THAT BECHTOL ENGINEERING AND TESTING, INC., SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGES OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS AND / OR IMPROVEMENTS.**
- ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL OR ZINC PLATED.
- ALL COMPONENTS AND CLADDING SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 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.
- 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.
- CONCRETE ANCHORS SHALL BE TAPCON REDHEAD LDT 1/2" x 5" OR EQUIVALENT .
- POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS AND GABLE ENDS.
- SLAB FOUNDATION SUBGRADE SOILS SHALL BE TERMITE TREATED AND COVERED WITH 6 MIL VAPOR RETARDER PER SECTION R318.1 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) - RESIDENTIAL, AND SECTION 1816.1 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) - BUILDING. SOIL LOAD BEARING PRESSURE OF 2000PSF IS ASSUMED.
- 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.
- FOR ROOF SLOPES LESS THAN 7 DEGREES, SEAL ALL PANEL OVERLAPS WITH BUTYL TAPE OR OTHER SUITABLE SEALANT.
- FOR CONTINUOUS REINFORCING, MINIMUM BAR OVERLAP SHALL BE 40 BARS DIAMETERS (25" FOR #5 REBAR).
- TORNADO VELOCITY COMPLIANCE IS NOT REQUIRED FOR RISK I OR RISK II STRUCTURES PER SECTION R301.2.1.1 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023)- RESIDENTIAL AND SECTION 1603.1.4 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) - BUILDING, AND ASCE 7-22

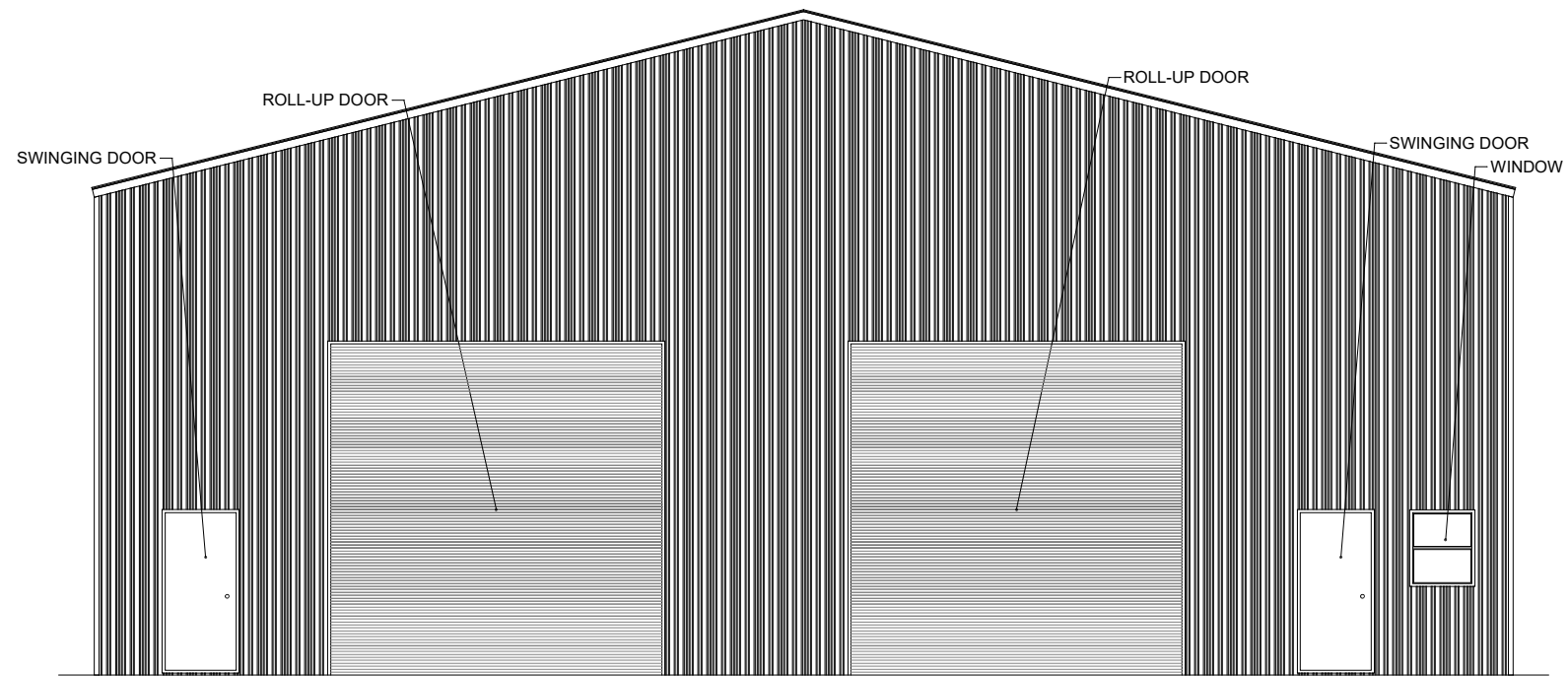
METAL FRAMING AND SIDING PREFABRICATED BY CAROLINA CARPORTS, INC. P.O. BOX 1263 DOBSON, NORTH CAROLINA 27017

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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, EIGHTH EDITION (2023).

OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	II-B
RISK CATEGORY:	I
BUILDING ENCLOSURE TYPE:	ENCLOSED
WIND EXPOSURE CATEGORY:	C
ULTIMATE WIND SPEED (MPH):	130
NOMINAL DESIGN WIND SPEED (MPH):	101
MEAN ROOF HEIGHT (FEET):	23.75
ROOF ANGLE (DEGREES):	14.0
INTERNAL PRESSURE COEFFICIENT:	+0.18 / -0.18
DESIGN PRESSURES (PSF):	
ROOF:	
ZONE 1:	+16.0 / -30.7
ZONE 2:	+16.0 / -41.1
ZONE 3:	+16.0 / -52.7
WALLS:	
ZONE 4:	+21.9 / -23.9
ZONE 5:	+21.9 / -27.6
SWINGING DOOR:	+23.3 / -30.4
ROLL-UP DOOR:	+19.6 / -21.7
WINDOW:	+24.4 / -32.6

NOTE: 14 GA FRAMING



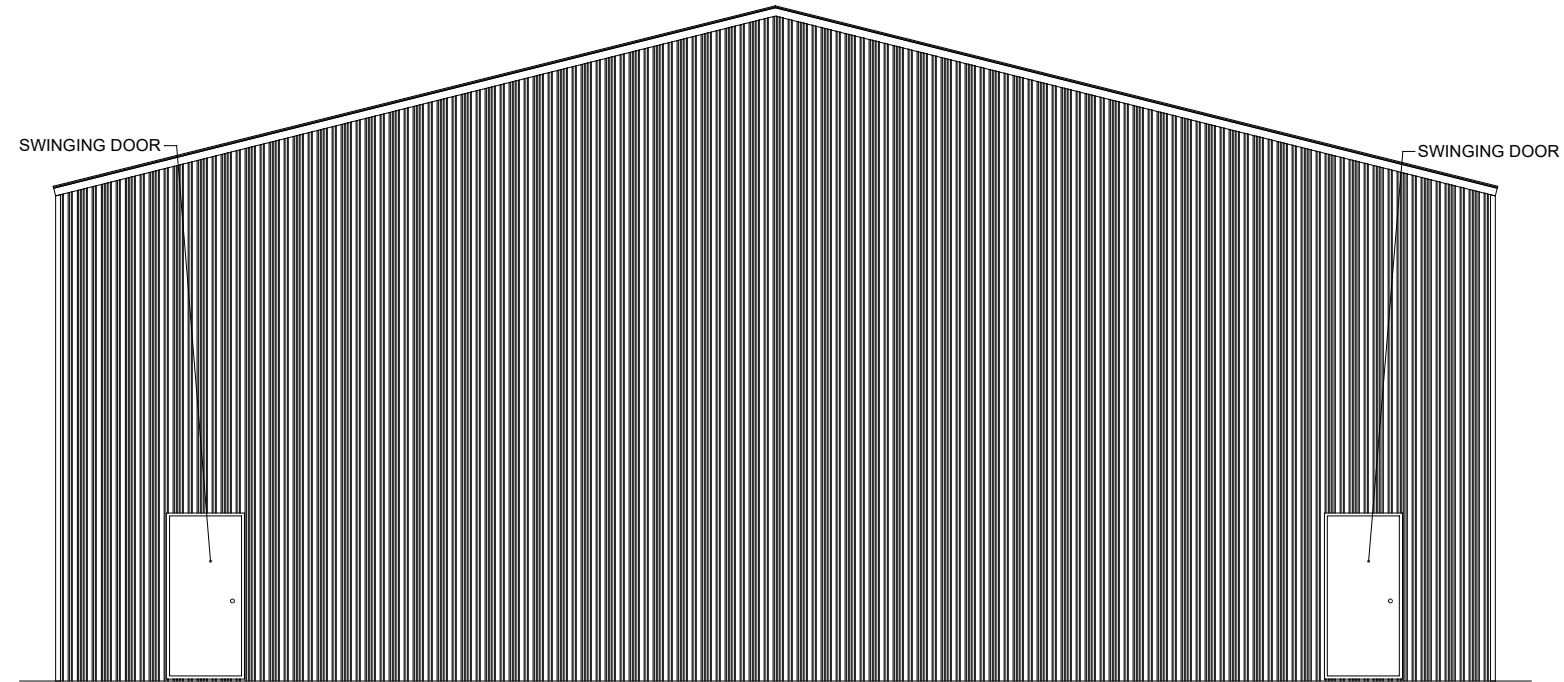
FRONT ELEVATION

SCALE: 1/8" = 1'

**PROPOSED UTILITY STRUCTURE
2224 HIBISCUS DRIVE
EDGEWATER, VOLUSIA COUNTY, FLORIDA**

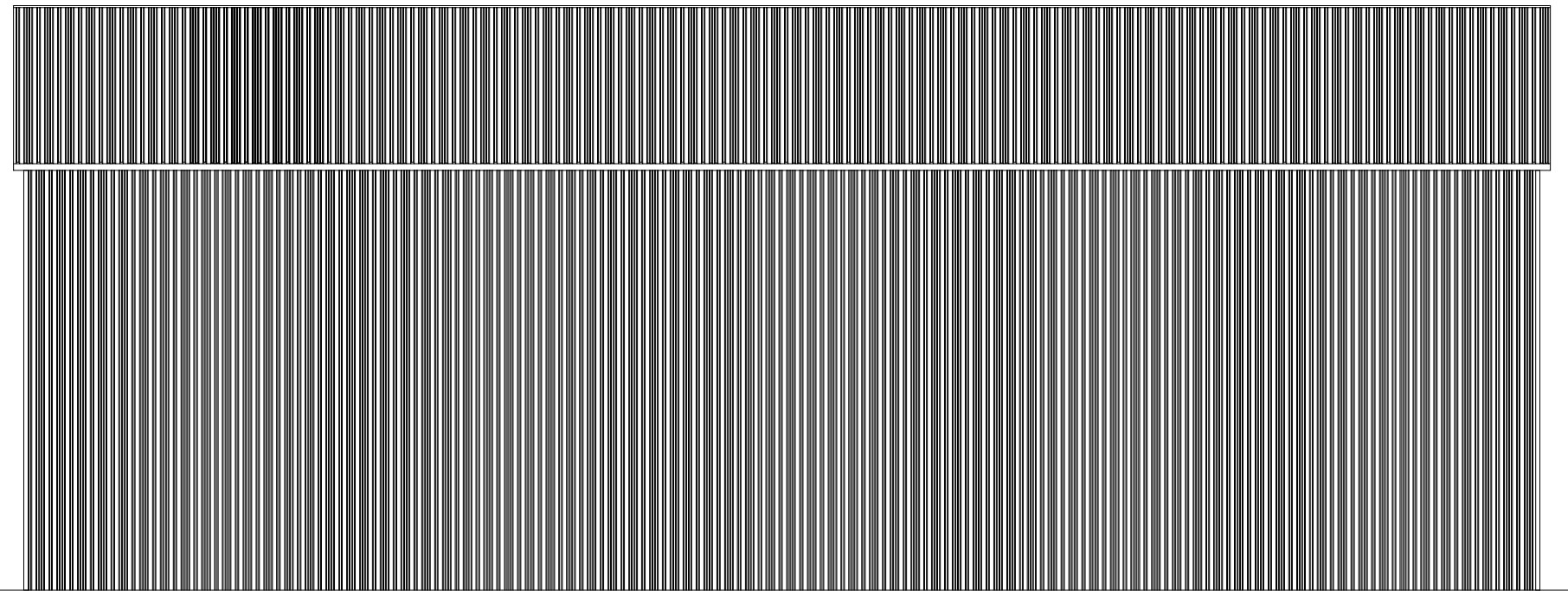


DATE:	05/06/2026
DRAWN: EA	SCALE: NTS
CHECKED: CS / ID	PROJ. NO.: G26001
APPROVED: LP / ID	SHEET 1 OF 6



REAR ELEVATION

SCALE: 1/8" = 1'



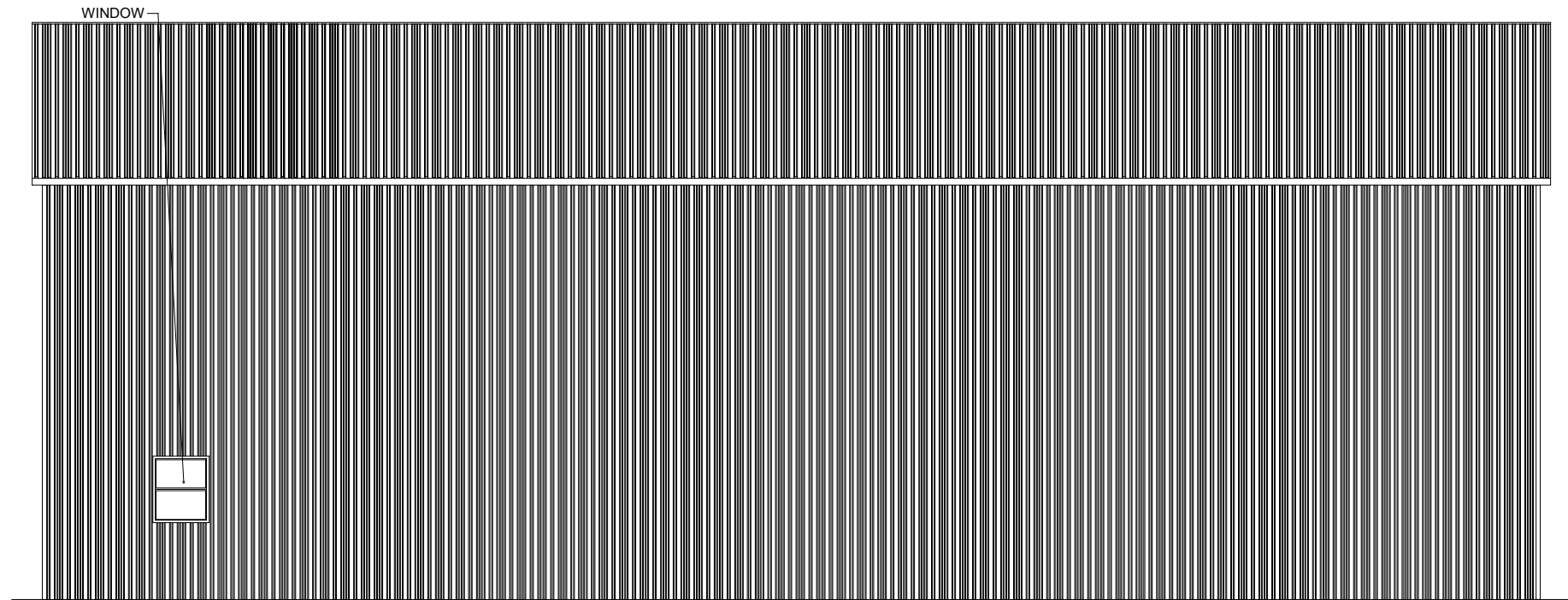
LEFT SIDE ELEVATION

SCALE: 1/8" = 1'

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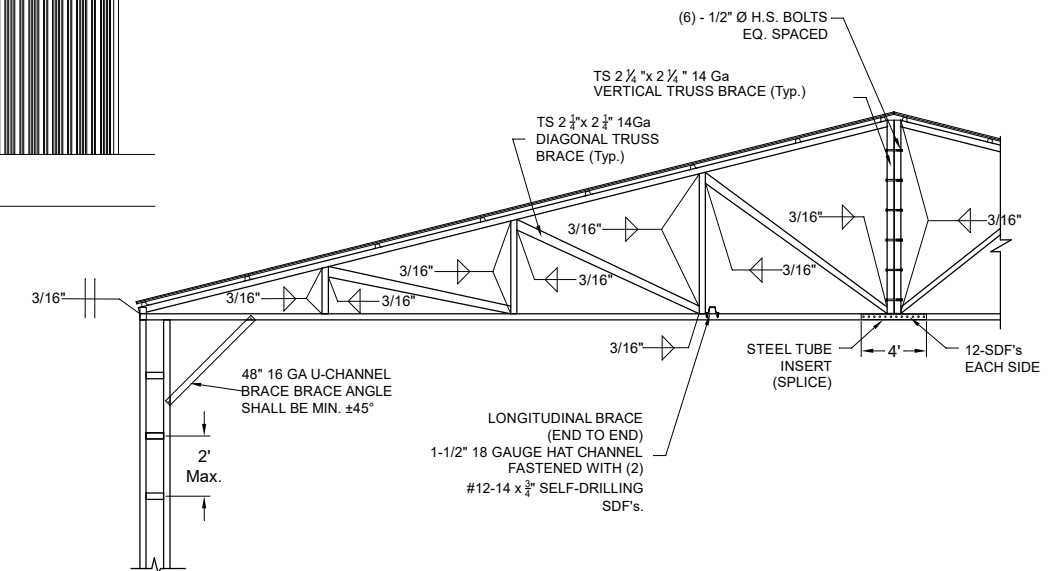
BECHTOL ENGINEERING
 AND TESTING, inc.
CONSULTING GEOTECHNICAL, ENVIRONMENTAL, AND MATERIALS TESTING ENGINEERS
 Certificate of Authorization No. 00005492

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SHEET 2 OF 6	



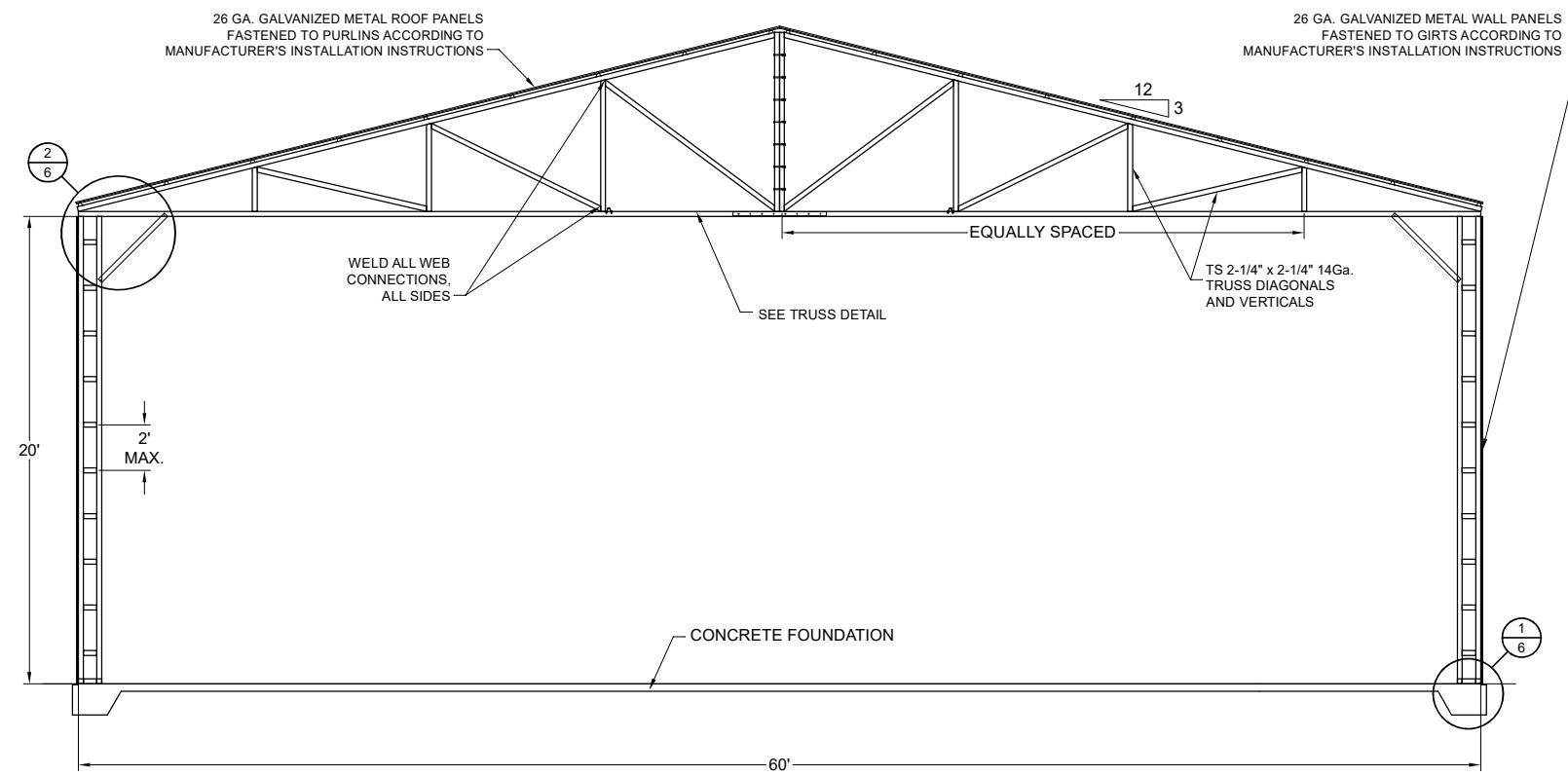
RIGHT SIDE ELEVATION

SCALE: 1/8" = 1'



TRUSS DETAIL

Not To Scale



TYPICAL INTERIOR POST/RAFTER FRAMING SECTION

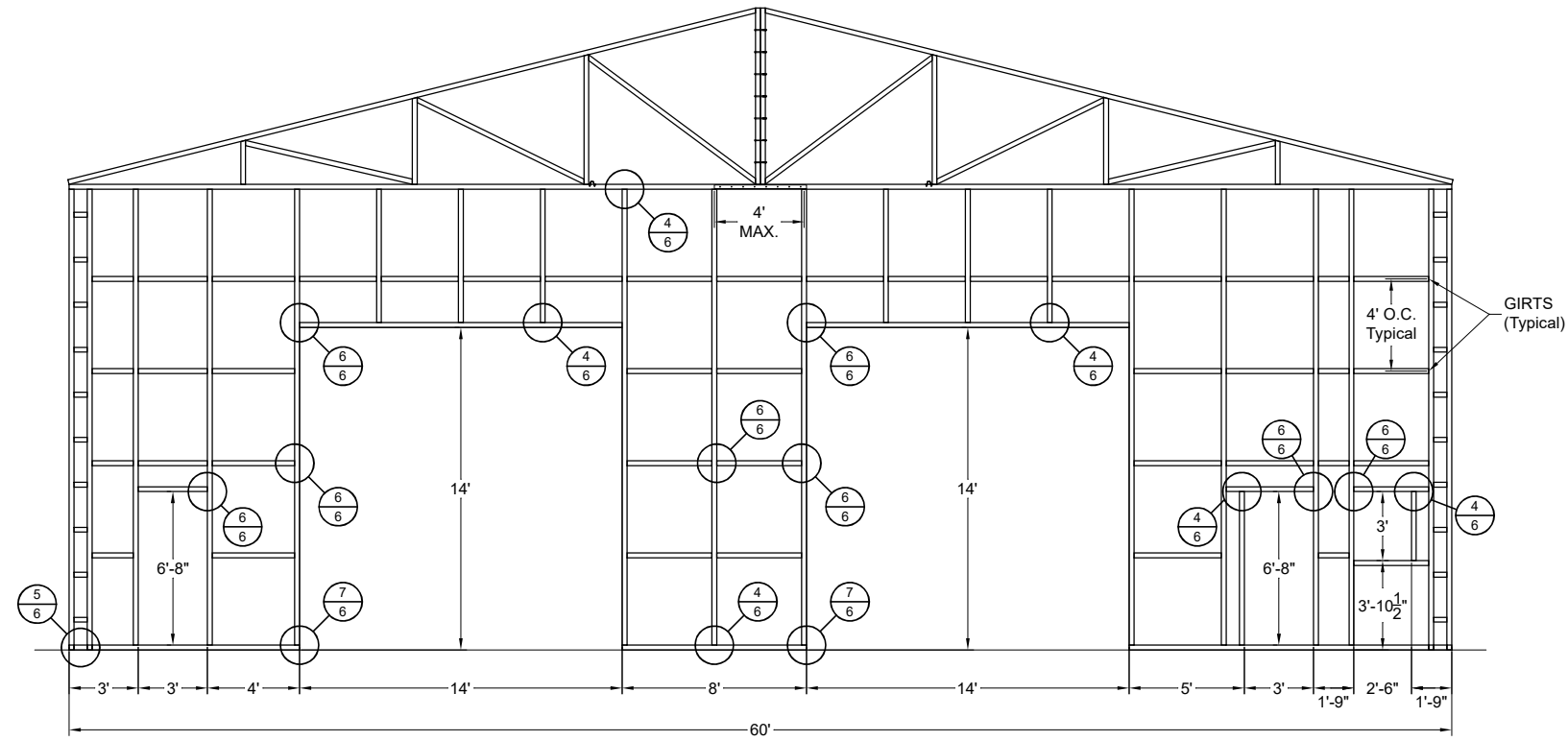
SCALE: 1/8" = 1'

(FRONT VIEW)

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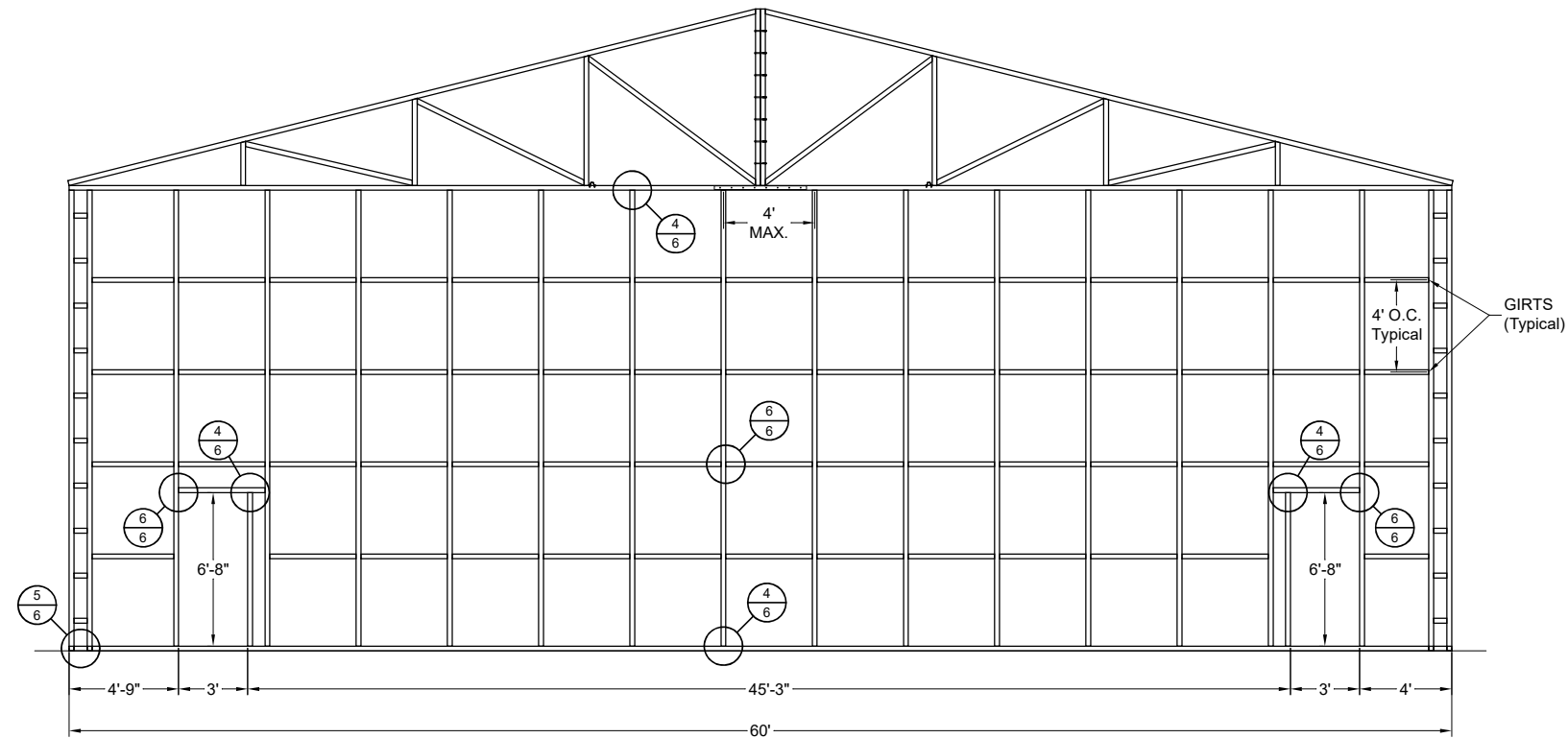
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SHEET 3 OF 6	



FRONT WALL POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'



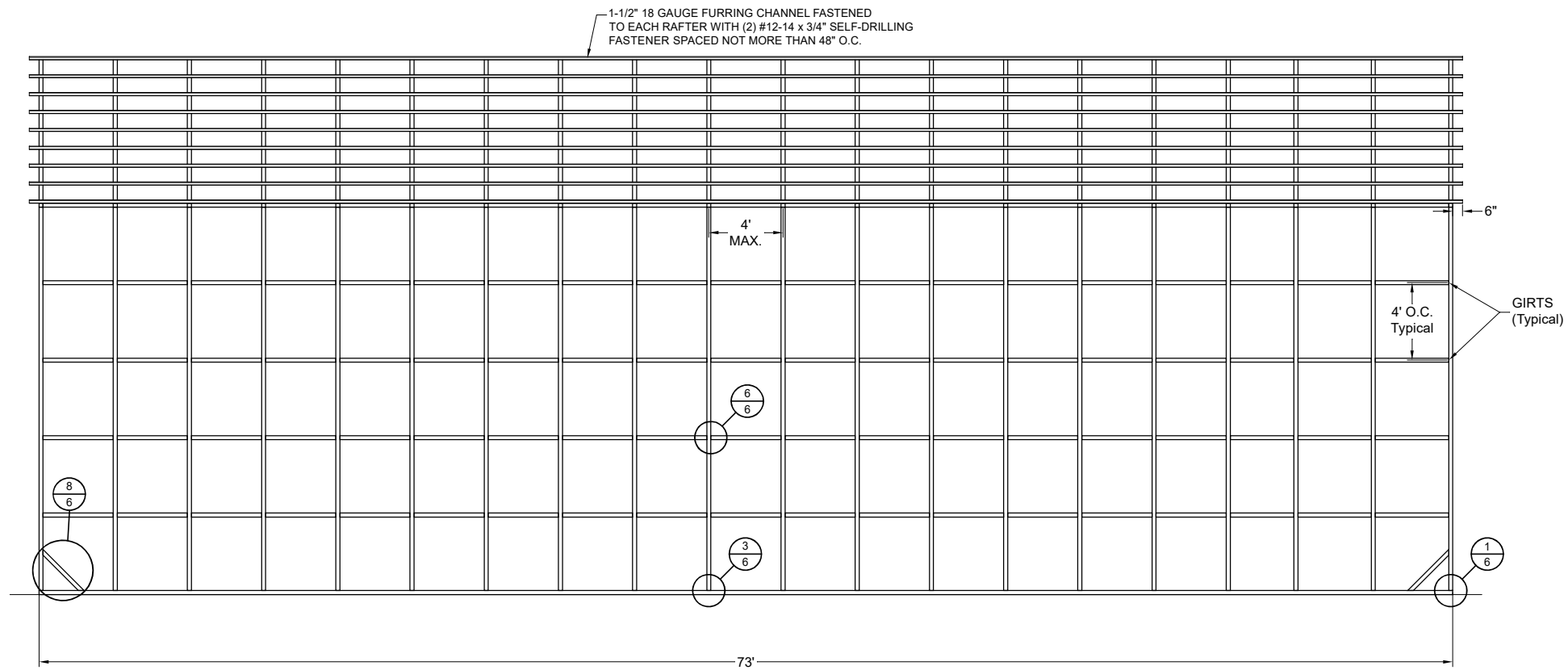
REAR WALL POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'

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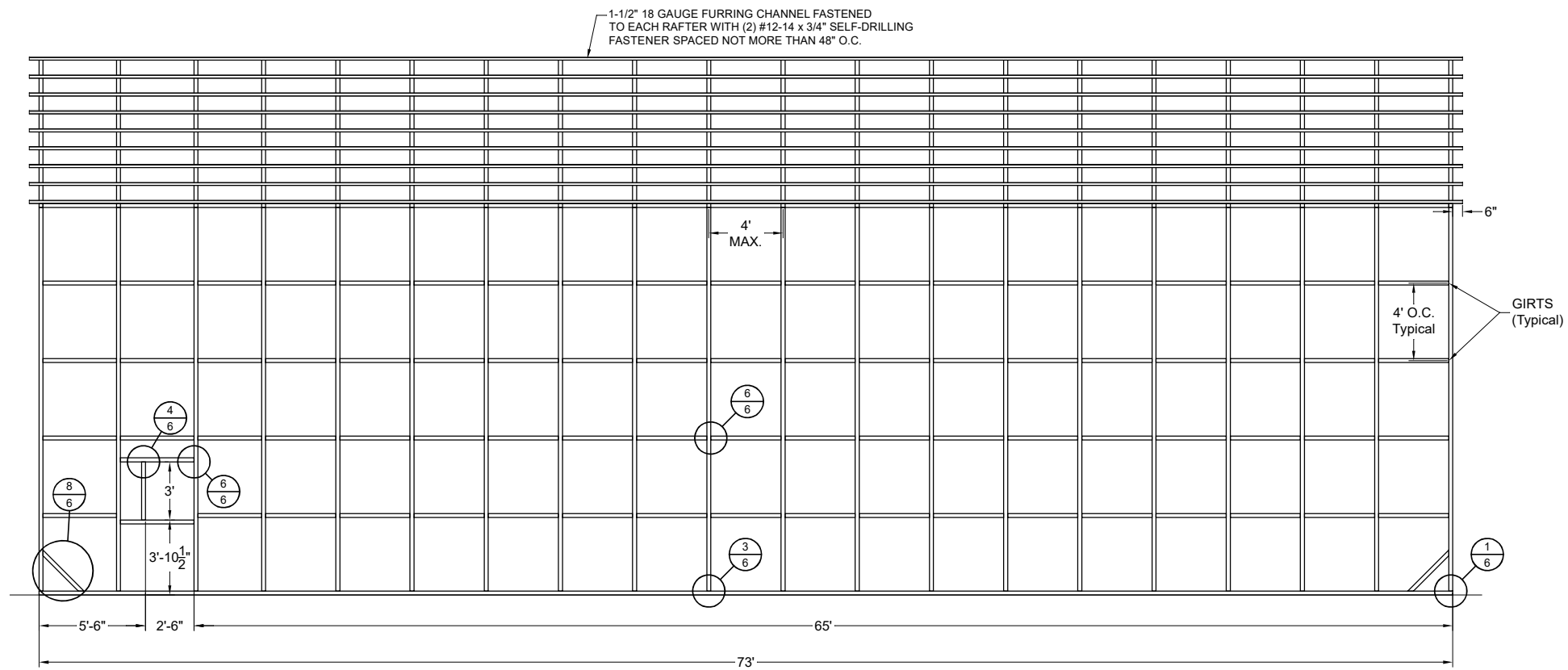
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	SHEET 4 OF 6



LEFT SIDE POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'



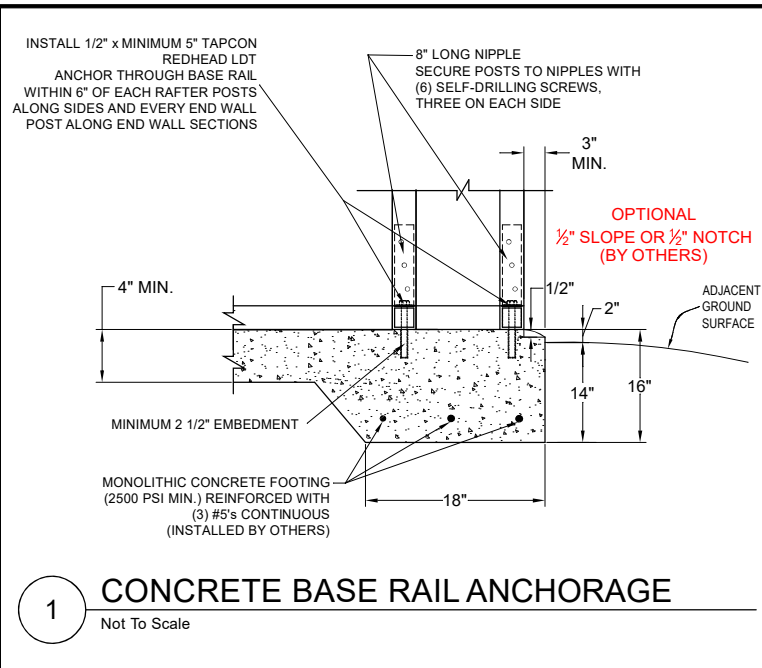
RIGHT SIDE POST/RAFTER FRAMING PLAN

SCALE: 1/8" = 1'

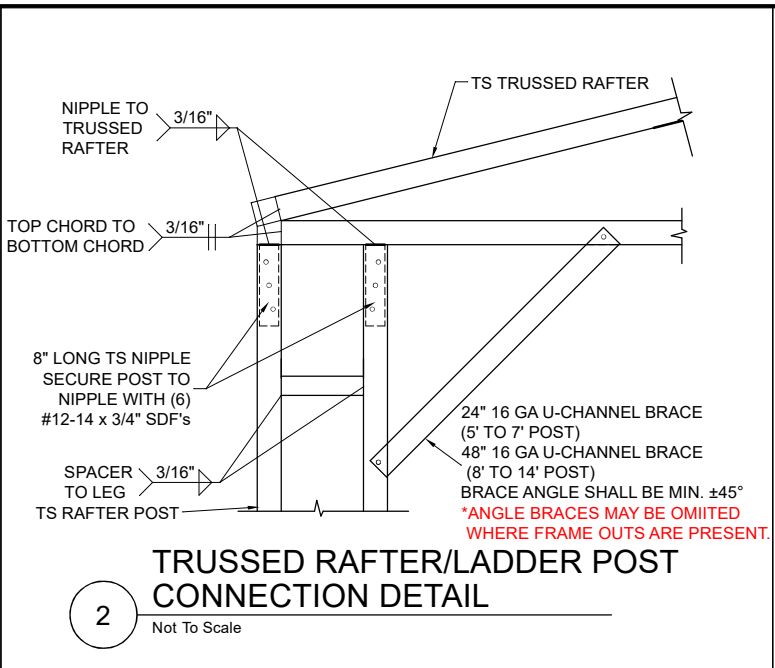
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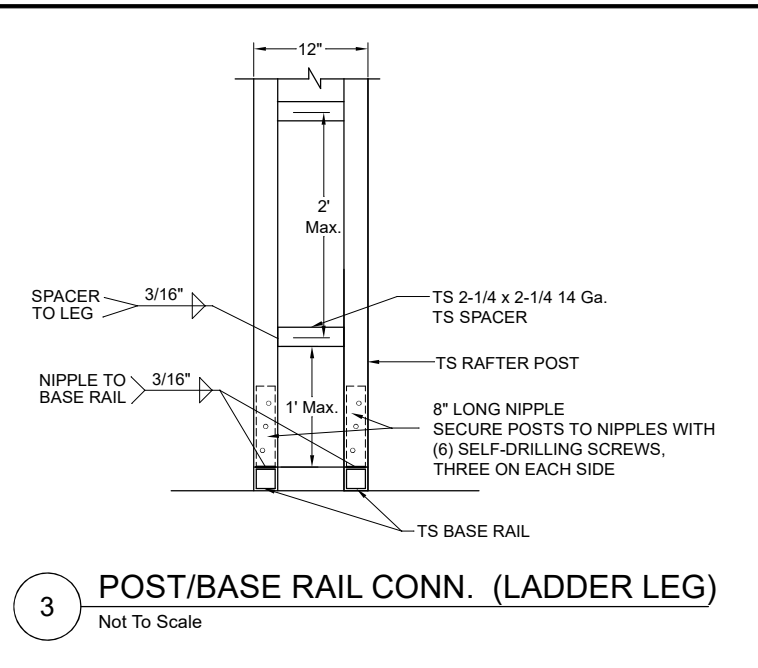
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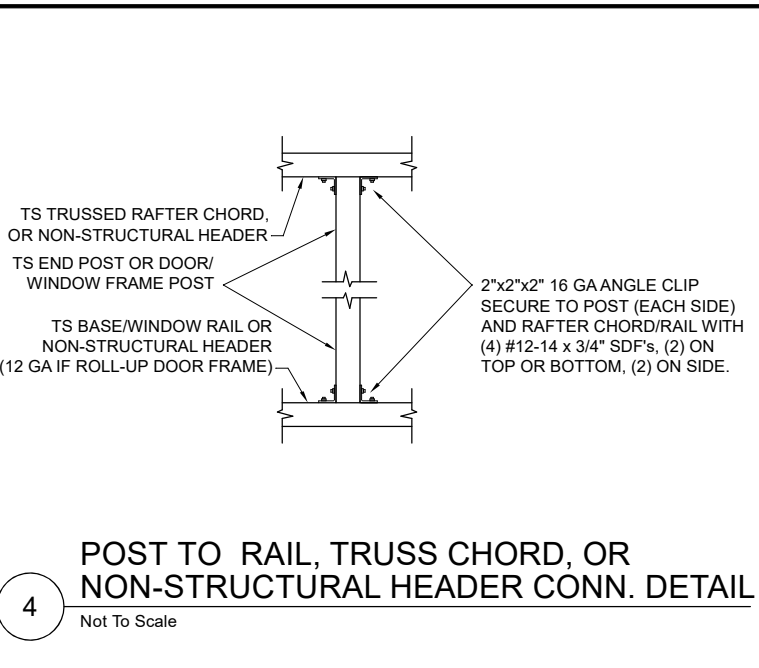
1 CONCRETE BASE RAIL ANCHORAGE
Not To Scale



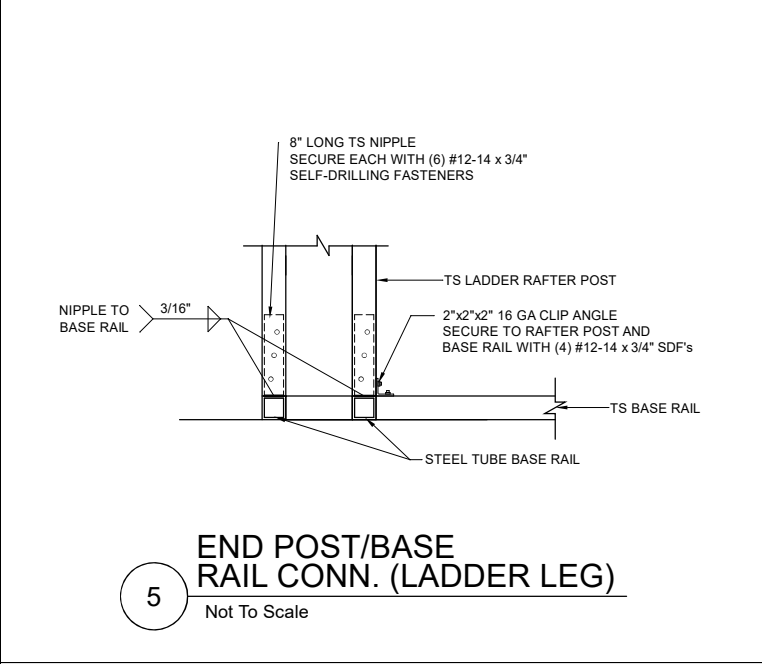
2 TRUSSED RAFTER/LADDER POST CONNECTION DETAIL
Not To Scale



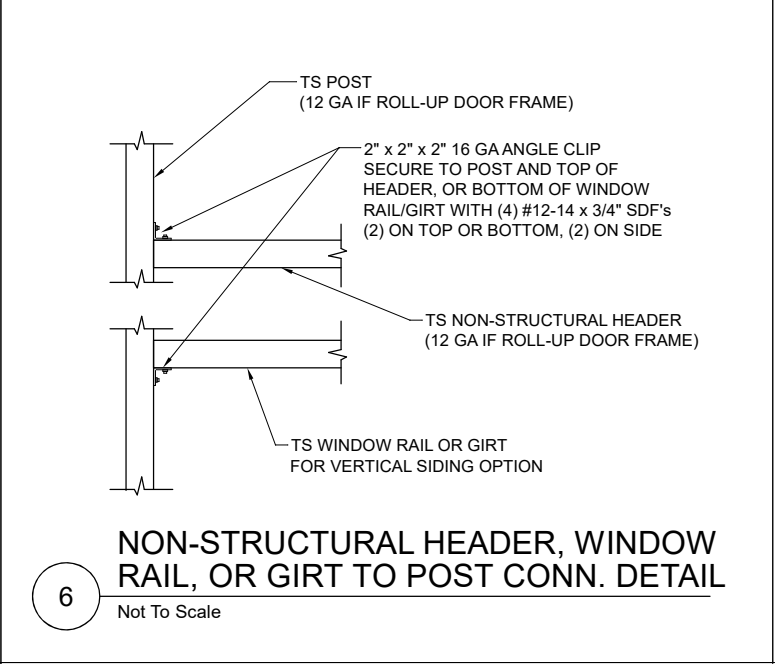
3 POST/BASE RAIL CONN. (LADDER LEG)
Not To Scale



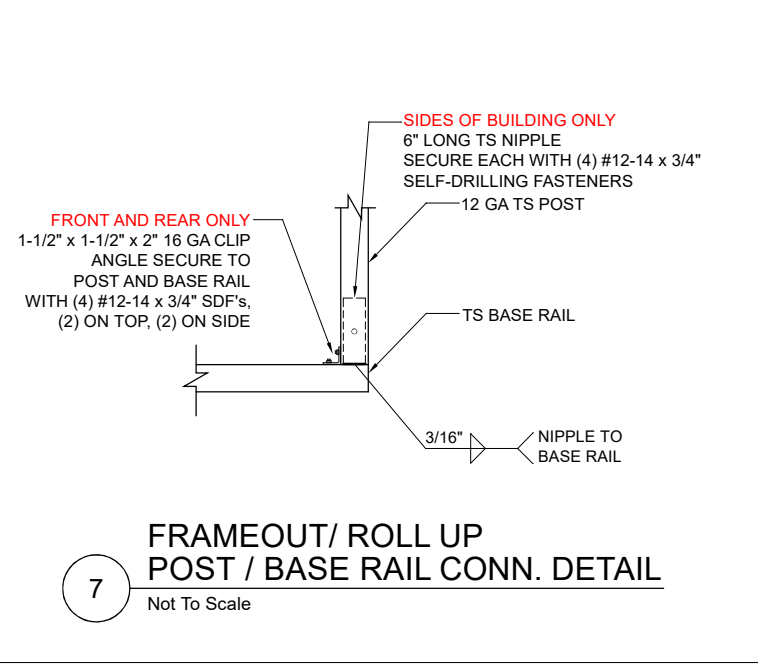
4 POST TO RAIL, TRUSS CHORD, OR NON-STRUCTURAL HEADER CONN. DETAIL
Not To Scale



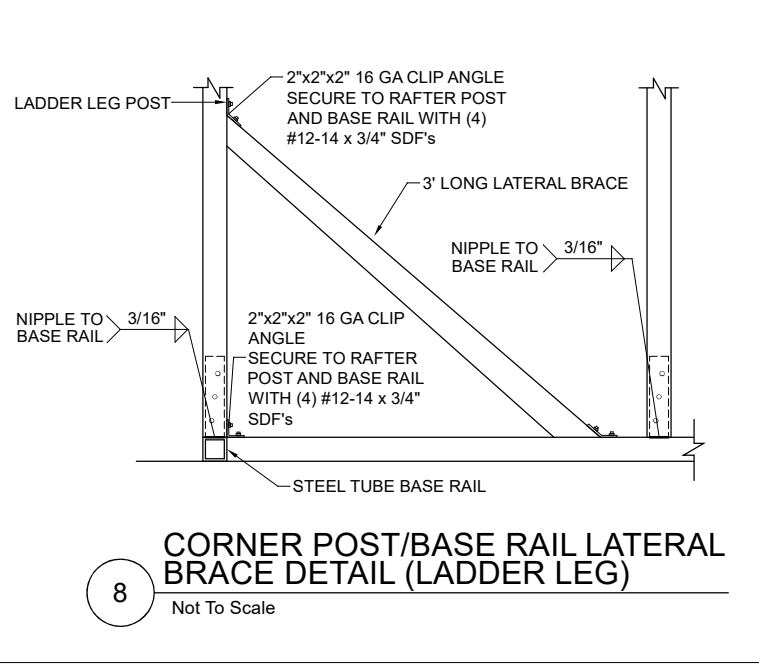
5 END POST/BASE RAIL CONN. (LADDER LEG)
Not To Scale



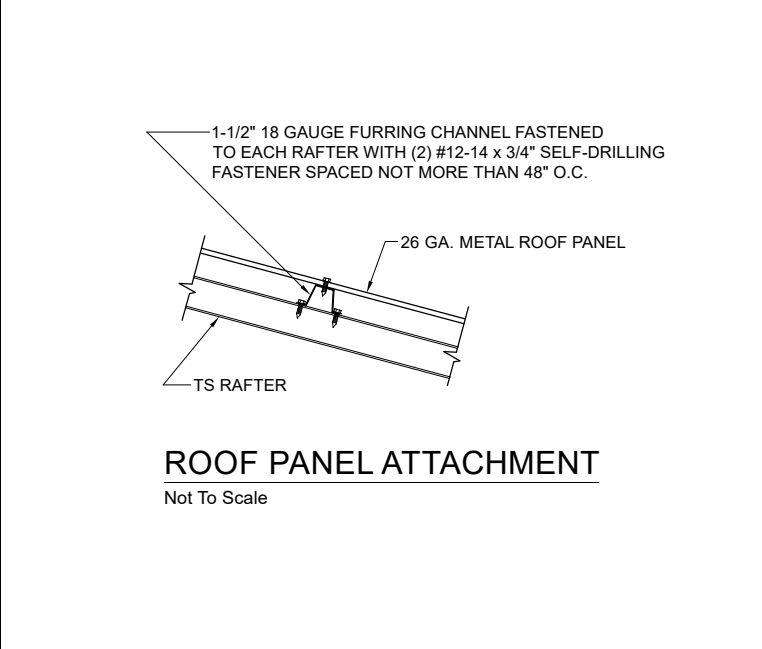
6 NON-STRUCTURAL HEADER, WINDOW RAIL, OR GIRT TO POST CONN. DETAIL
Not To Scale



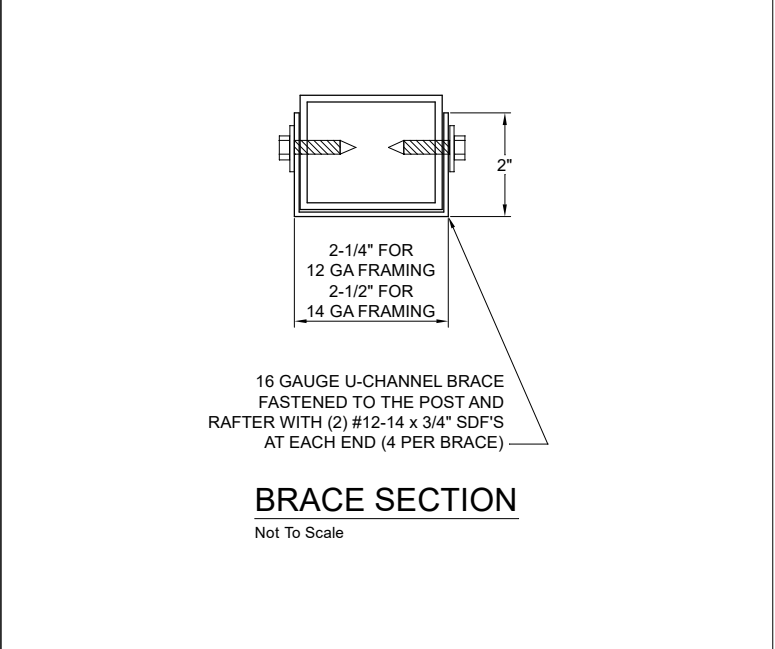
7 FRAMEOUT/ ROLL UP POST / BASE RAIL CONN. DETAIL
Not To Scale



8 CORNER POST/BASE RAIL LATERAL BRACE DETAIL (LADDER LEG)
Not To Scale



ROOF PANEL ATTACHMENT
Not To Scale



BRACE SECTION
Not To Scale

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	SHEET 6 OF 6