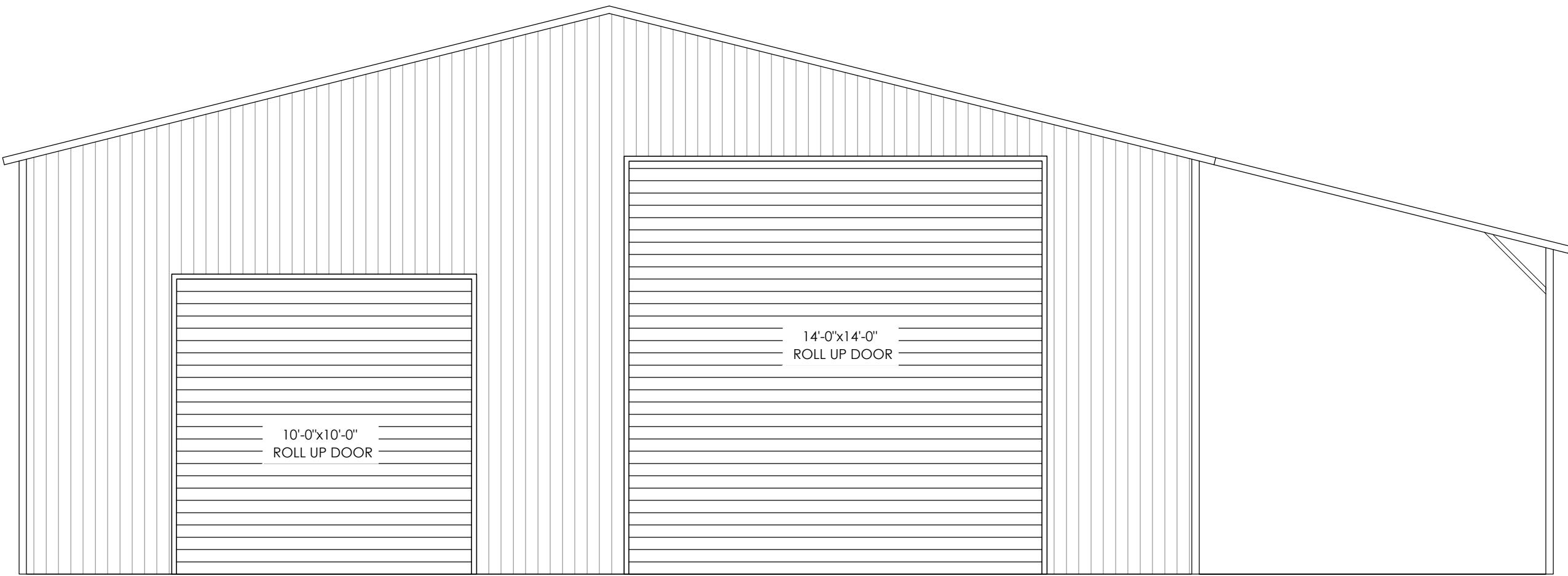


NOTE: IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELATED TO DESIGNER AND ENGINEER OF RECORD. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

GENERAL NOTES:

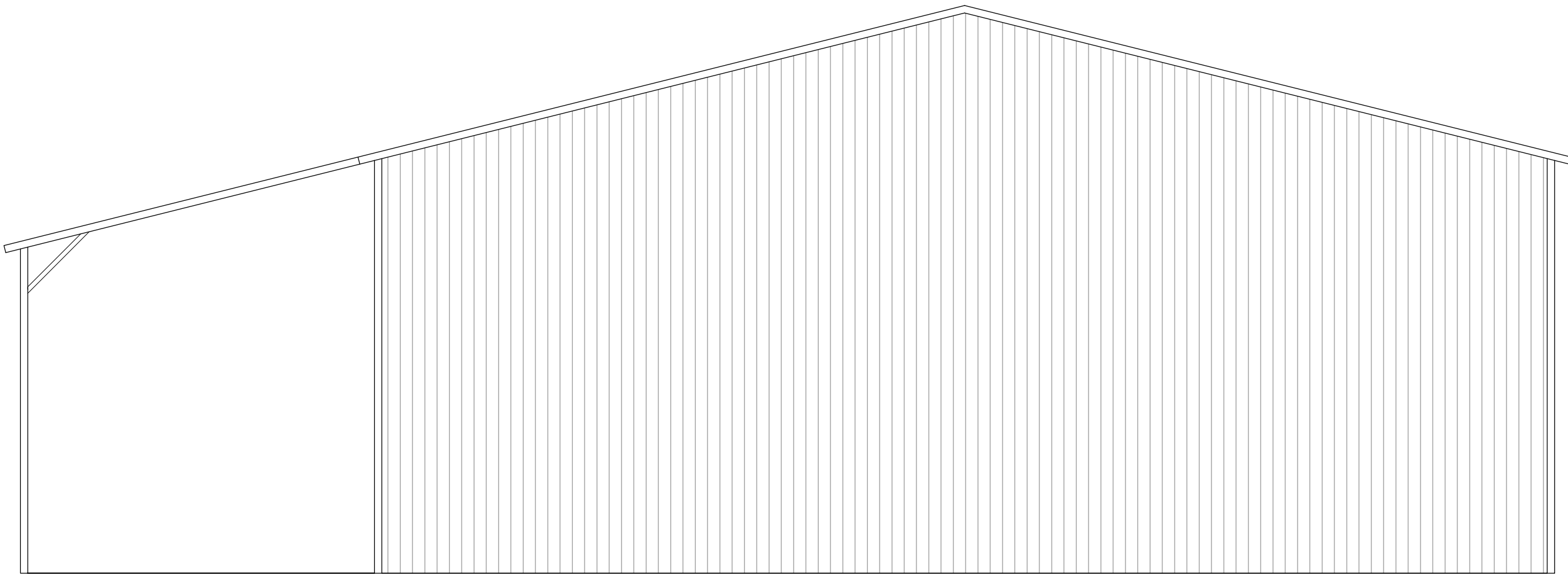
- THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM, COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, FINISH FLOOR ELEVATION AND SLOPE, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.
- THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE UTILITY / STORAGE BUILDINGS (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 CAROLINA CARPORTS, INC., 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.
- ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL.
- 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 8TH EDITION (2023) - RESIDENTIAL, AND SECTION 1916.1 OF THE FLORIDA BUILDING CODE 8TH 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)

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, 8TH EDITION (2023).



FRONT ELEVATION

SCALE: 1/4" = 1'



REAR ELEVATION

SCALE: 1/4" = 1'

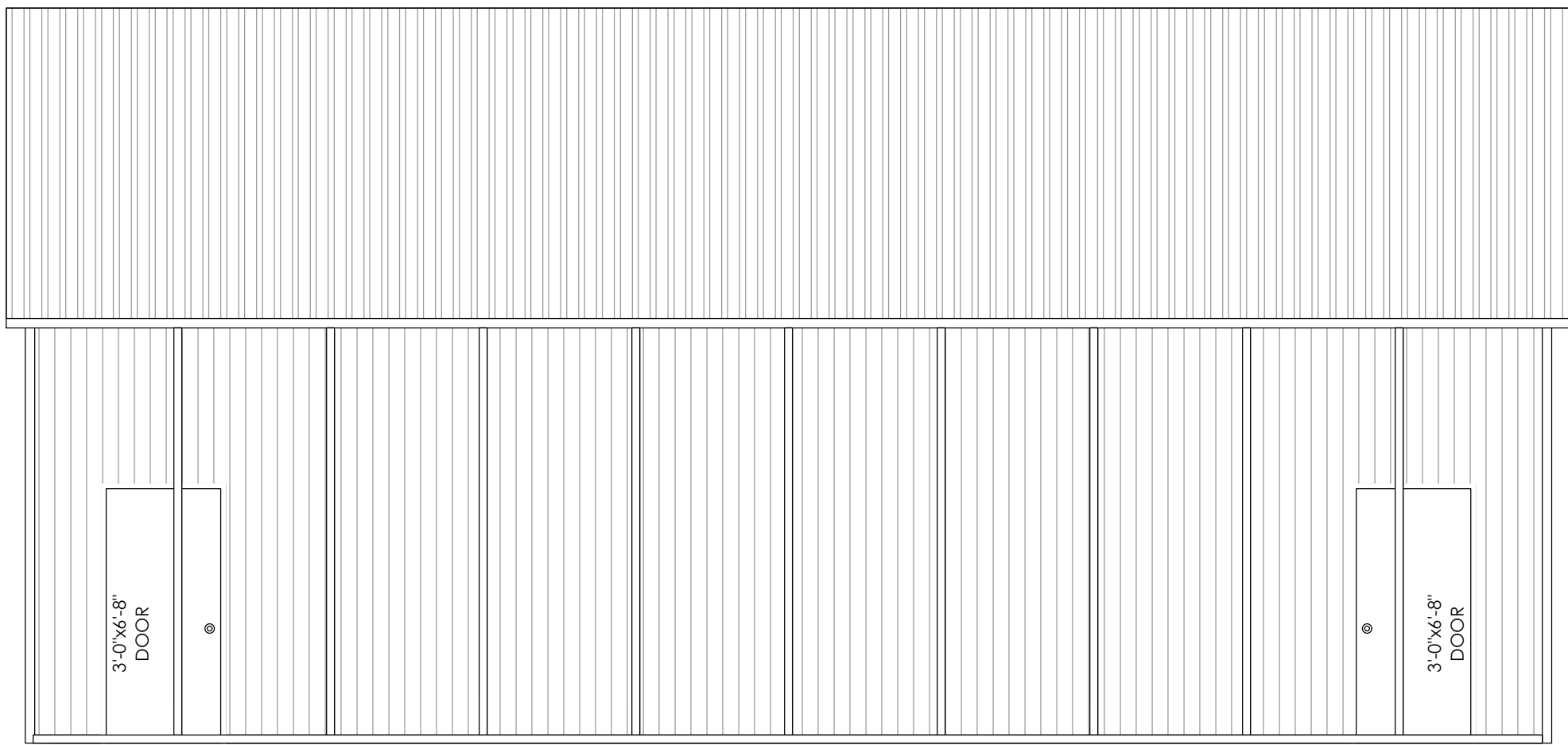
APPROVED PRODUCTS LIST

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	PRODUCT CATEGORY
STRUCTURAL COMPONENTS	ROOF DECK	AGRI-METAL SUPPLY 29 Gauge AG Panel	FL13768.1 - R7
STRUCTURAL COMPONENTS	STRUCTURAL WALL	AGRI-METAL SUPPLY 29 Gauge AG Panel	FL13768.1 - R7
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 407	FL17996.5-R4
EXTERIOR DOORS	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC SERIS 3400 - (12' Max. Width)	23-1026.06
WINDOWS	SINGLE HUNG	WINDSOR WINDOWS & DOORS WZ3 IMPACT	FL 47167-R0

OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	II-B
RISK CATEGORY:	I
BUILDING ENCLOSURE TYPE:	ENCLOSED
WIND EXPOSURE CATEGORY:	C
ULTIMATE WIND SPEED (MPH):	150
NOMINAL DESIGN WIND SPEED (MPH):	116.2
MEAN ROOF HEIGHT (FEET):	13.88
ROOF ANGLE (DEGREES):	16.5
	+0.18 / -0.18

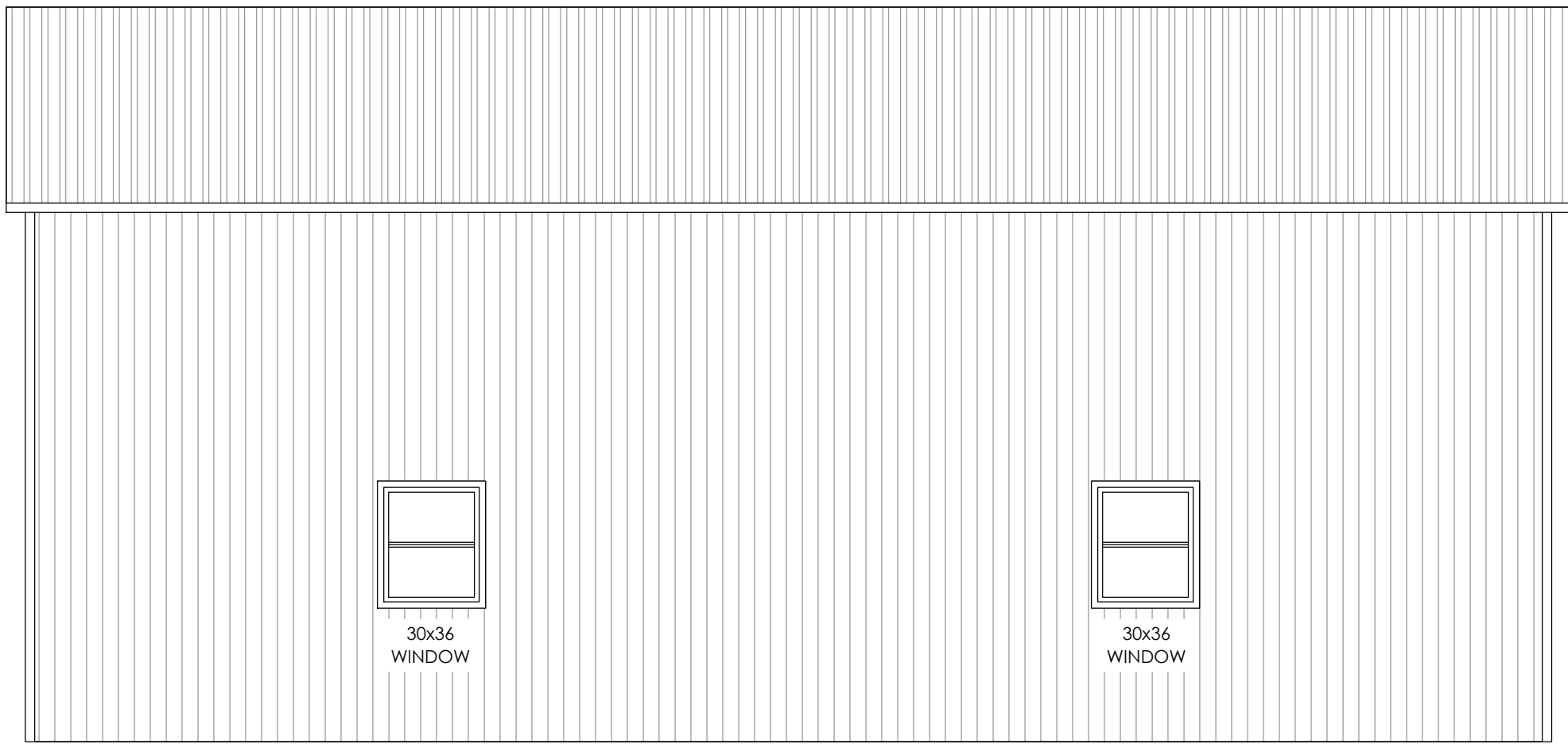
ROOF:	
ZONE 1:	+16.0 / -28.7
ZONE 2e:	+16.0 / -28.7
ZONE 2n:	+16.0 / -51.3
ZONE 2r:	+16.0 / -51.3
ZONE 3e:	+16.0 / -51.3
ZONE 3r:	+16.0 / -59.1
WALLS:	
ZONE 4:	+26.3 / -28.8
ZONE 5:	+26.3 / -33.3
	+28.0 / -36.6
	+24.9 / -27.4

NOTE: 14 GA FRAMING



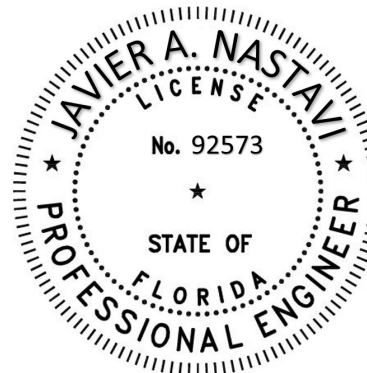
RIGHT ELEVATION

SCALE: 1/4" = 1'



LEFT ELEVATION

SCALE: 1/4" = 1'



Javier
Nastavi

Digitally signed
by Javier Nastavi
Date: 2026.03.25
07:52:03 -04'00'

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SOIL CONCRETE LLC

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PH: (954) 310-1244

REVISIONS:

DATE:

- 1 X
- 2 X
- 3 X
- 4 X

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DATE

03-07-26

FILE

26-081

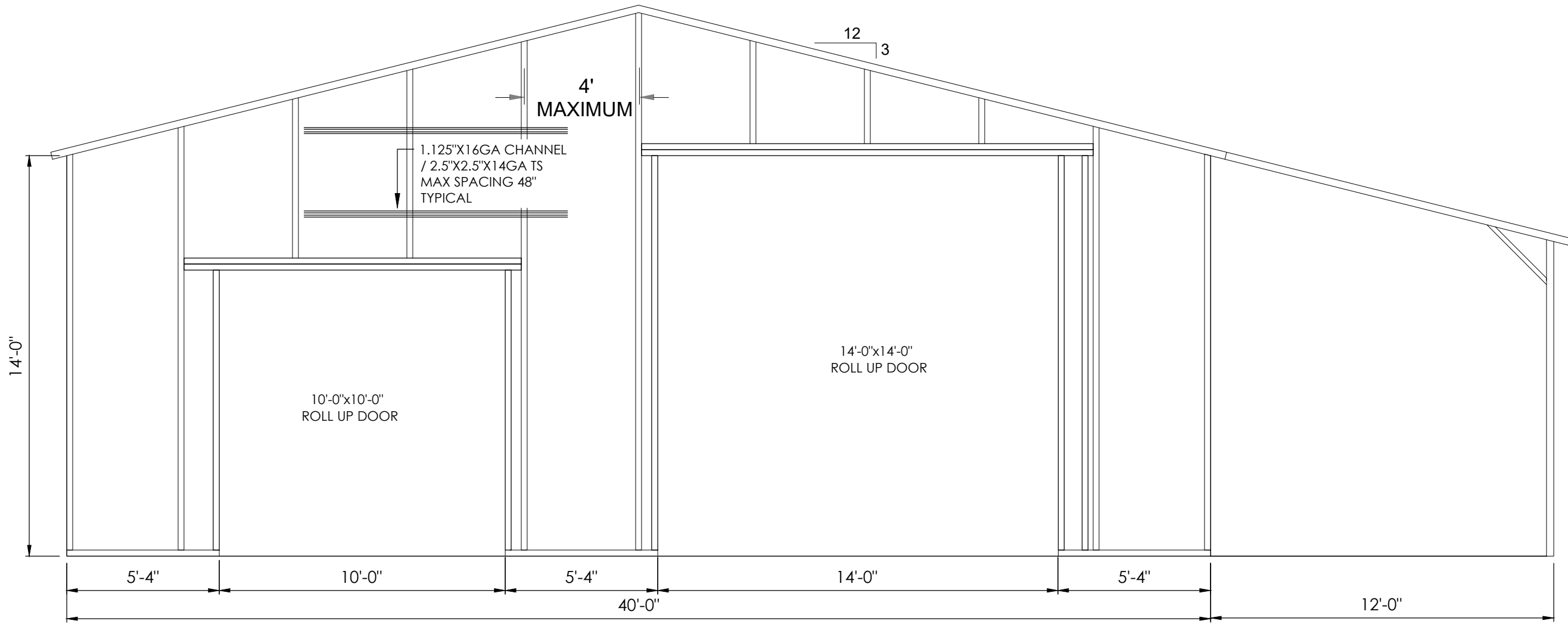
1/4" = 1'-0"

PARCEL ID 06-6S-17-09613-003 (35290)

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PLOTTED BY: ANTON

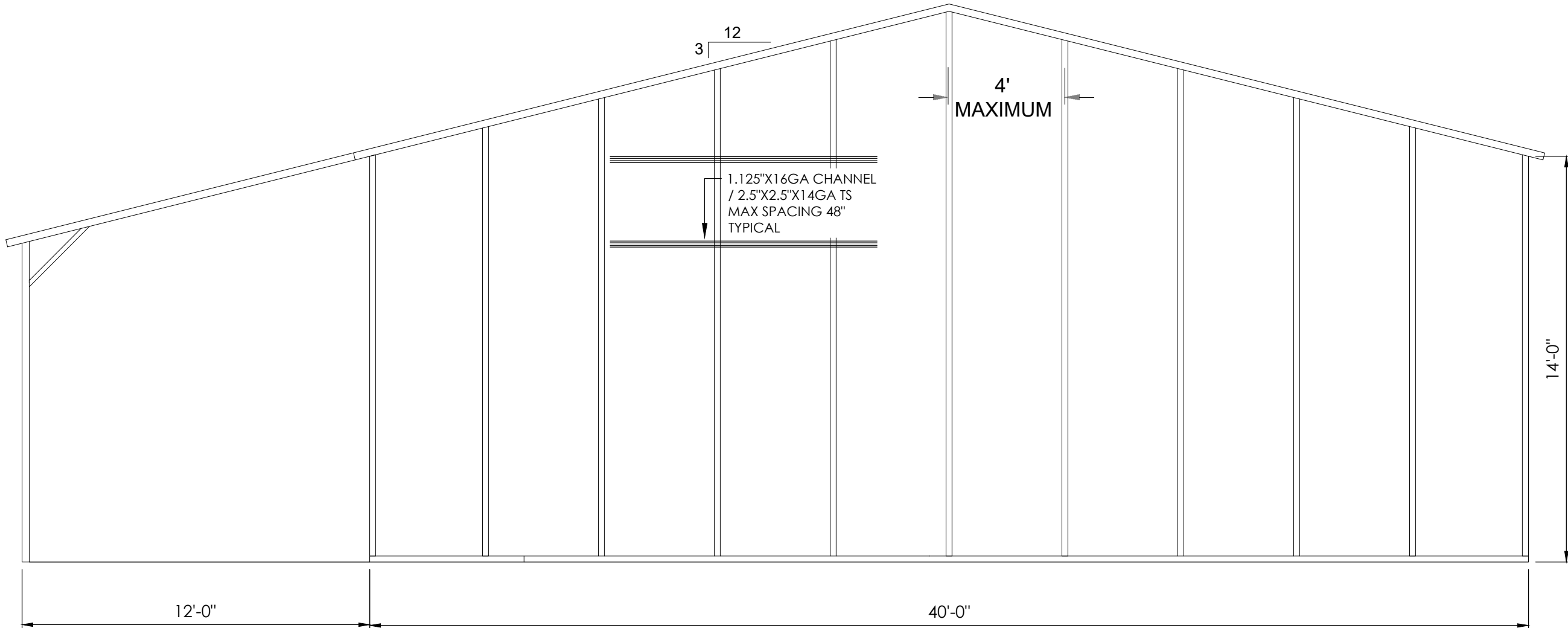
1

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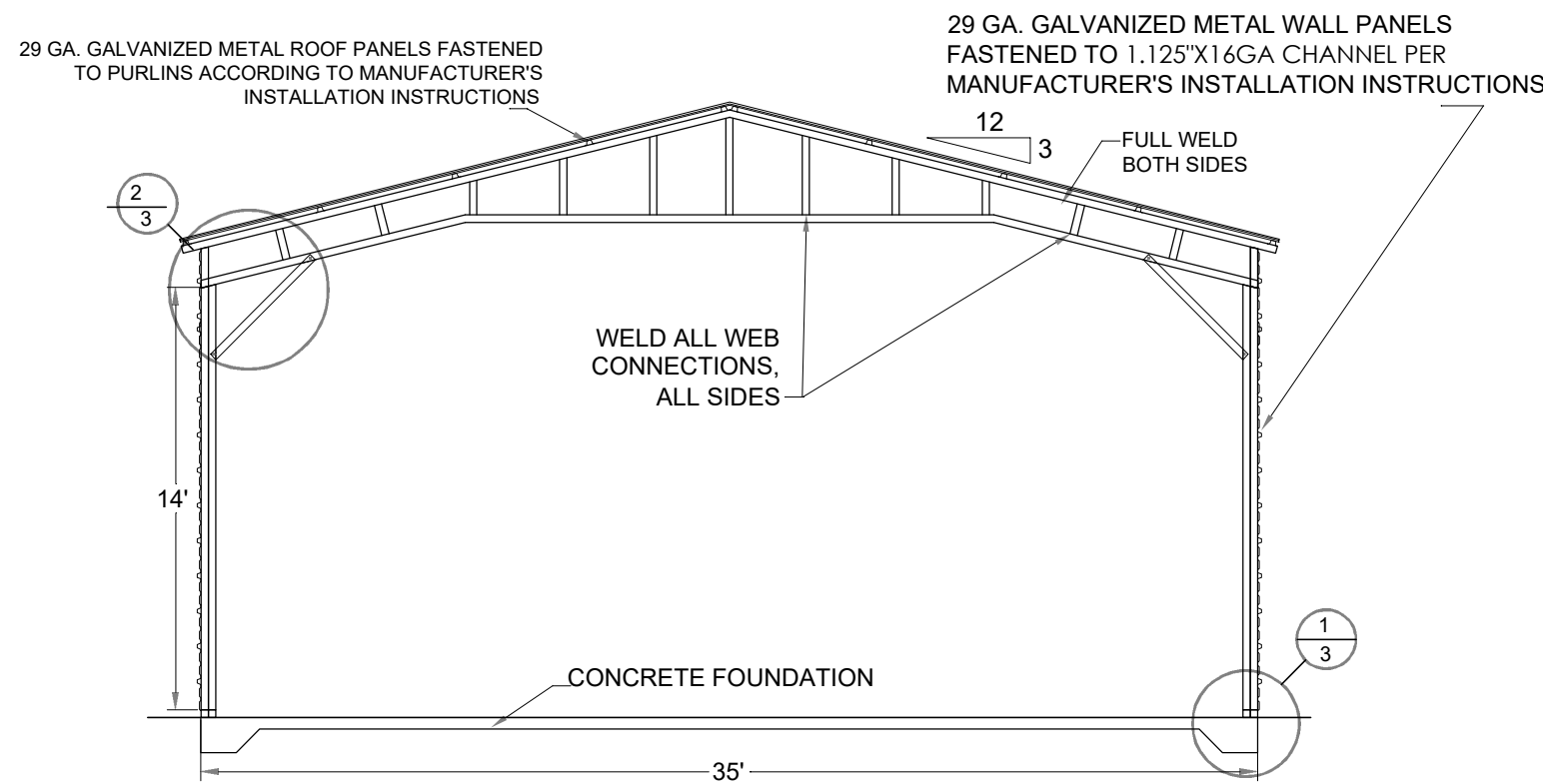
FRONT FRAME LINE

SCALE: 1/4" = 1'



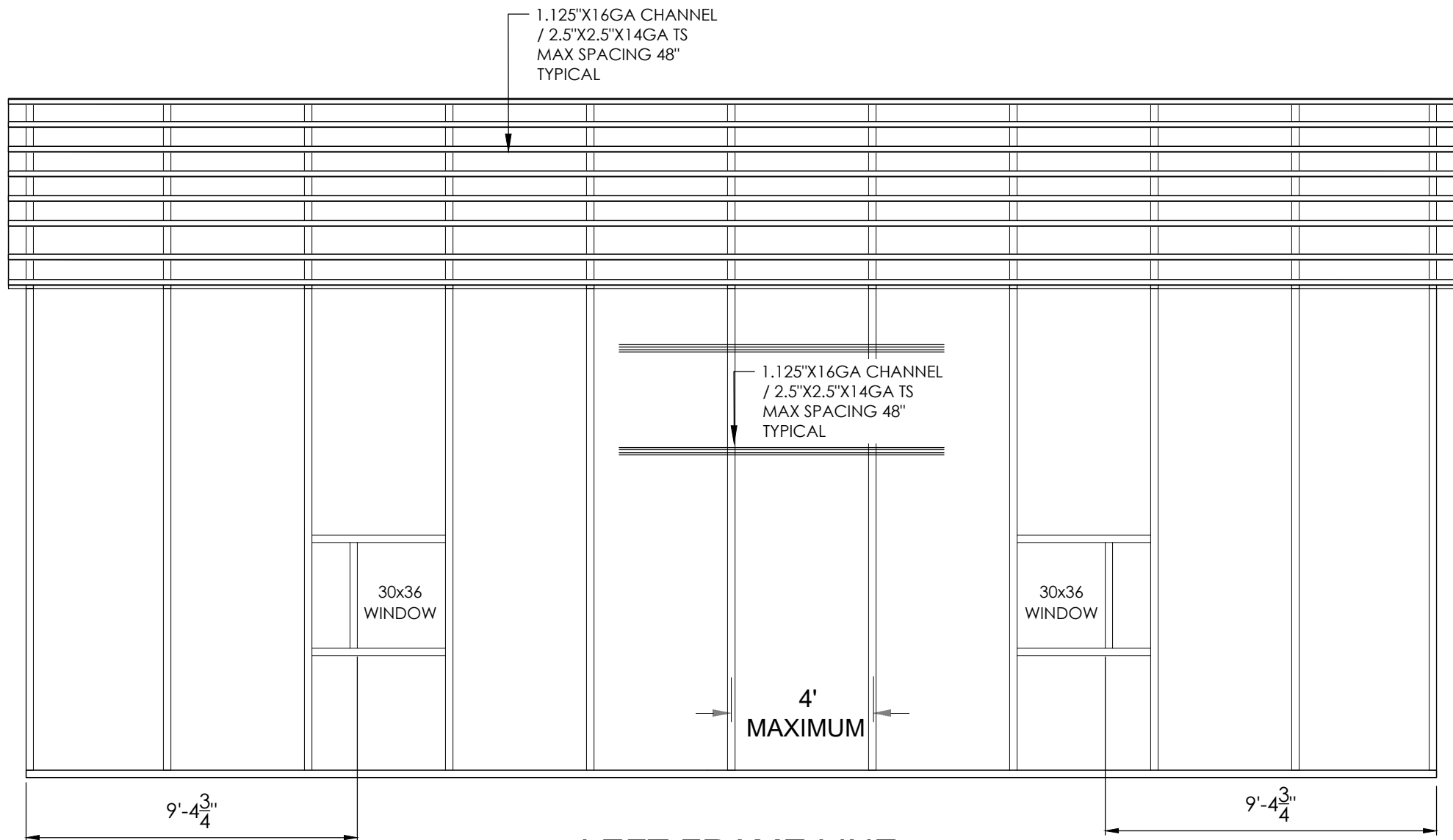
REAR FRAME LINE

SCALE: 1/4" = 1'



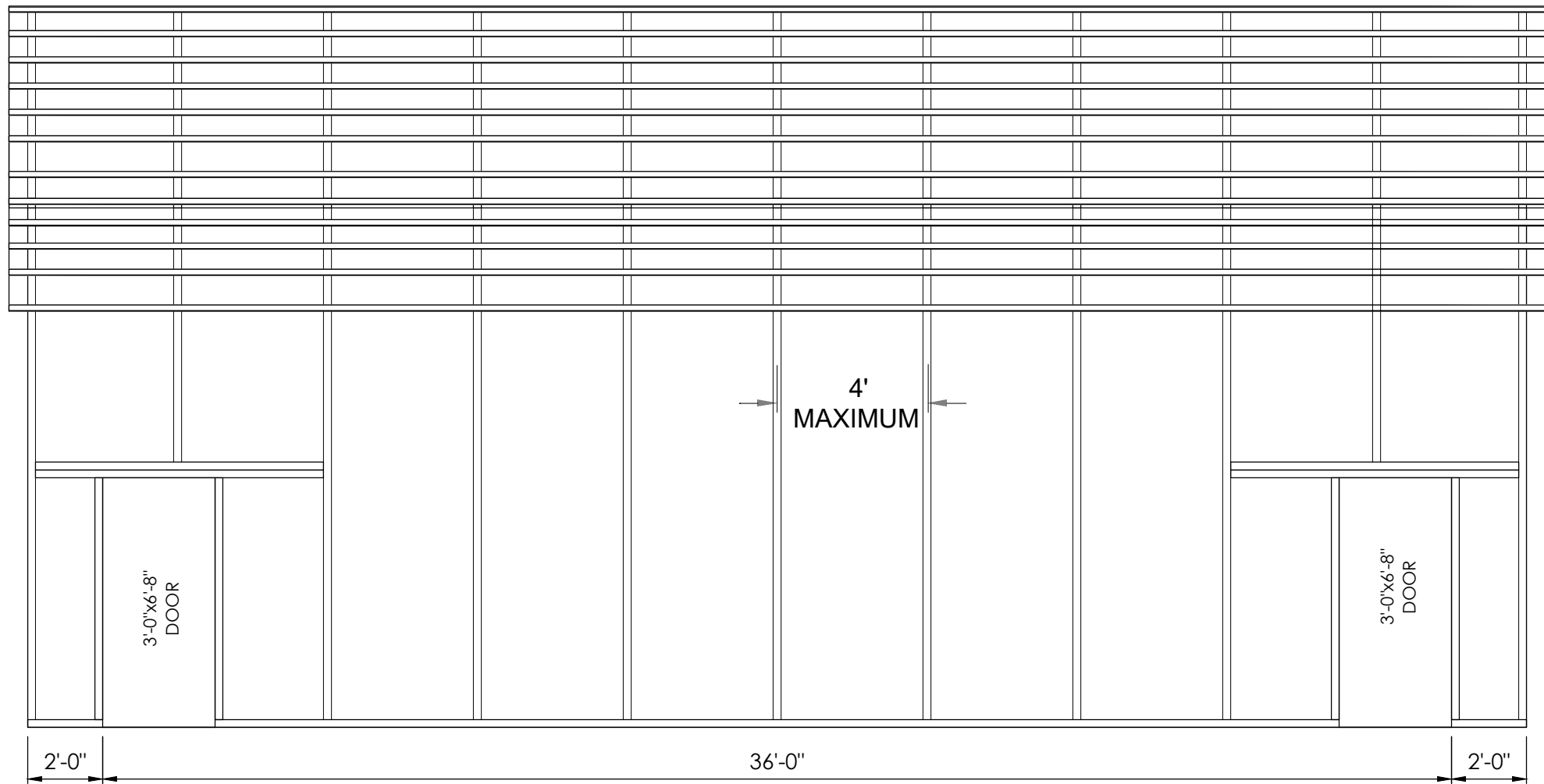
TYPICAL INTERIOR POST/RAFTER FRAMING SECTION

SCALE: NTS



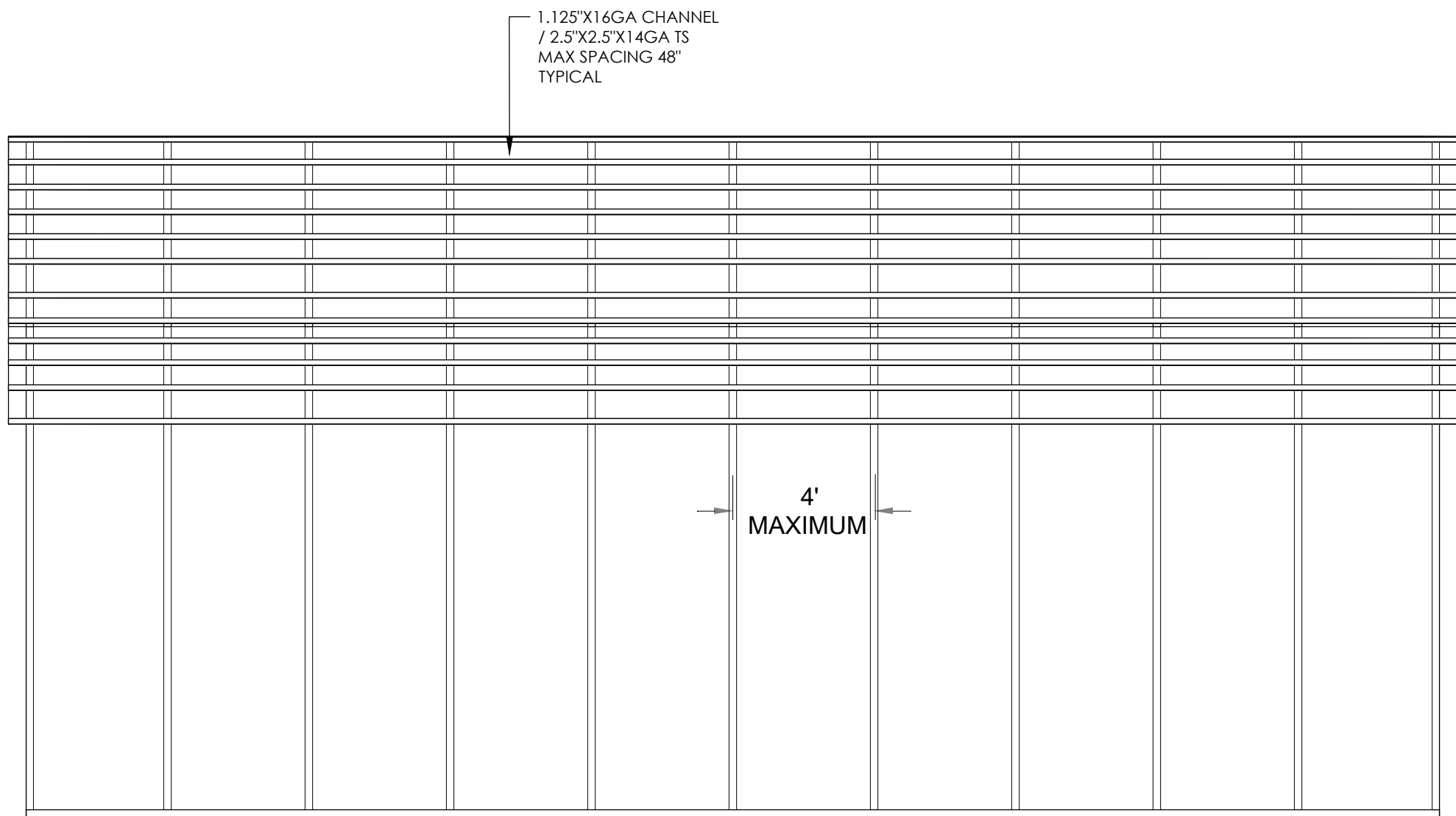
LEFT FRAME LINE

SCALE: 1/4" = 1'



RIGHT FRAME LINE

SCALE: 1/4" = 1'



RIGHT LEAN-TO WALL FRAME LINE

SCALE: 1/4" = 1'

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SOIL CONCRETE LLC

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1/4" = 1'-0"

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ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #210 NAPLES, FLORIDA 34104
antoniorao1@gmail.com

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INSTALL 1/2" x MINIMUM 5" TAPCON REDHEAD LDT ANCHOR THROUGH BASE RAIL WITHIN 6" OF EACH RAFTER POSTS ALONG SIDES AND EVERY END WALL POST ALONG END WALL SECTIONS

4" MINIMUM

1 3/4" MINIMUM

MINIMUM 2-1/2" EMBEDMENT

16"

12" MIN BELOW GRADE

12"

MONOLITHIC CONC. FOOTING (2500 PSI MIN.)
REINFORCED WITH 2 #5s CONTINUOUS
(SEE PAGE 1, NOTE #12)

CONCRETE BASE RAIL ANCHORAGE

Not To Scale

24" 16 GA U-CHANNEL BRACE (5' TO 7' POST)
48" 16 GA U-CHANNEL BRACE (8' TO 14' POST)
BRACE ANGLE SHALL BE MIN. $\pm 45^{\circ}$

NIPPLE TO RAFTER 3/16"

12"

TS RAFTER

6" LONG TS NIPPLE
SECURE POST TO NIPPLE WITH
(4) #12-14 x 3/4" SDF's

TS RAFTER POST

BOX EAVE RAFTER/POST DETAIL

Not To Scale

6" LONG TS NIPPLE
SECURE POST TO NIPPLE
WITH (4) #12-14 x 3/4" SDF's

TS RAFTER POST

TS CONTINUOUS BASE RAIL

3/16"

NIPPLE TO
BASE RAIL

POST/BASE RAIL CONN. DETAIL

Not To Scale

TS TRUSSED RAFTER CHORD,
OR NON-STRUCTURAL HEADER

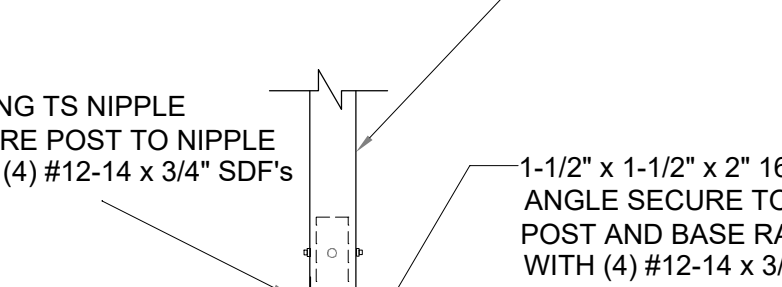
TS END POST OR DOOR/
WINDOW FRAME POST

TS BASE/WINDOW RAIL OR
NON-STRUCTURAL HEADER
(12 GA IF ROLL-UP DOOR FRAME)

2"x2"x2" 16 GA ANGLE CLIP
SECURE TO POST (EACH SIDE)
AND RAFTER CHORD/RAIL WITH
(4) #12-14 x 3/4" SDF's, (2) ON
TOP OR BOTTOM, (2) ON SIDE

POST TO RAIL, TRUSS CHORD, OR
NON-STRUCTURAL HEADER CONN. DETAIL

Not To Scale



TS RAFTER POST

6" LONG TS NIPPLE
SECURE POST TO NIPPLE
WITH (4) #12-14 x 3/4" SDF's

1-1/2" x 1-1/2" x 2" 16 GA CLIP
ANGLE SECURE TO
POST AND BASE RAIL
WITH (4) #12-14 x 3/4" SDF's,
(2) ON TOP, (2) ON SIDE

TS CONTINUOUS BASE RAIL

END POST/BASE RAIL CONN.

Not To Scale

Diagram illustrating the connection of a post to a rafter using 2x4x16 GA PLATE and 2x2x16 GA ANGLE CLIP.

Labels and Callouts:

- TS END POST
- 2"x2"x2" 16 GA ANGLE CLIP SECURE TO POST AND RAFTER WITH (4) #12-14 x 3/4" SDF's, (2) ON BOTTOM, (2) ON SIDE
- OR
- 2"x4" 16 GA PLATE SECURE TO EACH SIDE OF POST/RAFTER CONNECTION WITH (4) #12-14 x 3/4" SDF's, (2) ON POST, (2) ON RAFTER

END POST/RAFTER CONN. DETAIL

Not To Scale

NIPPLE TO DBL. HDR. 3/16"

1/8"

6" LONG TS NIPPLE
SECURE EACH WITH
(4) #12-14 x 3/4"
SELF-DRILLING FASTENERS

12 GA TS POST

RAFTER POST/DBL. HEADER DETAIL

Not To Scale

TS RAFTER POST

6" LONG TS NIPPLE
SECURE WITH (4) #12-14 x 3/4"
SELF-DRILLING FASTENERS

12 GA DOUBLE TS HEADER

3/16" NIPPLE TO
DBL. HDR.

1/8"

RAFTER POST/HEADER DETAIL

Not To Scale

6" LONG TS NIPPLE
SECURE EACH WITH (4) #12-14 x 3/4"
SELF-DRILLING FASTENERS

12 GA TS POST

TS BASE RAIL

3/16" NIPPLE TO
BASE RAIL

**RAFTER POST/BASE
BASE RAIL CONNECTION DETAIL**

Not To Scale

2"X2"X16GA CLIP
 SECURE TO POST AND RAFTER
 WITH #12-14X3/4" SDS
 (2) ON TOP AND (2) ON BOTTOM

TS RAFTER
 2.5X2.5X14GA
 48" O.C.

TS COLUMN

LEAN TO RAFTER/COLUMN CONNECTION
 FOR RAFTER SPANS < 12'-0"

Not To Scale



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