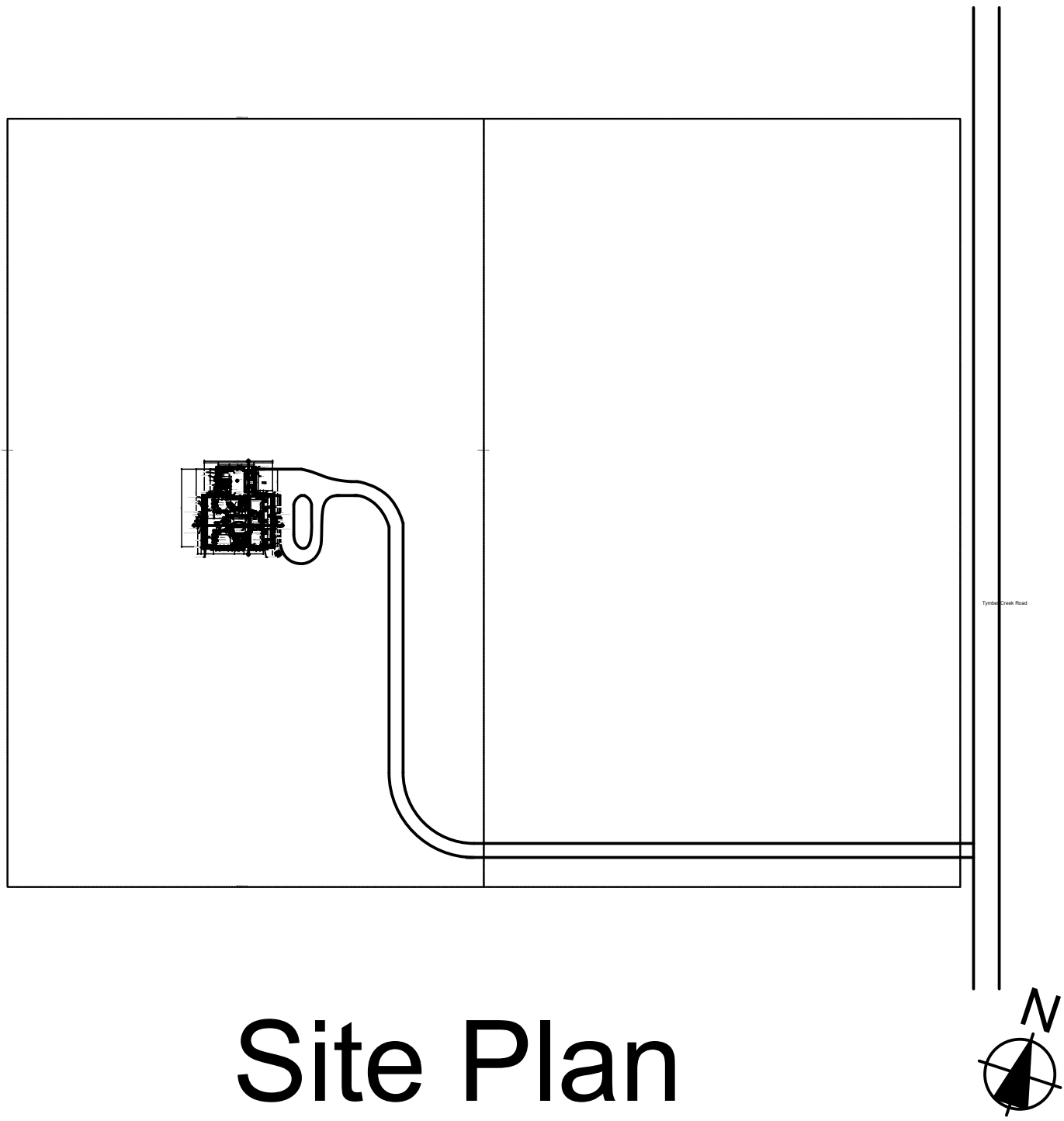


# Faircloth Residence

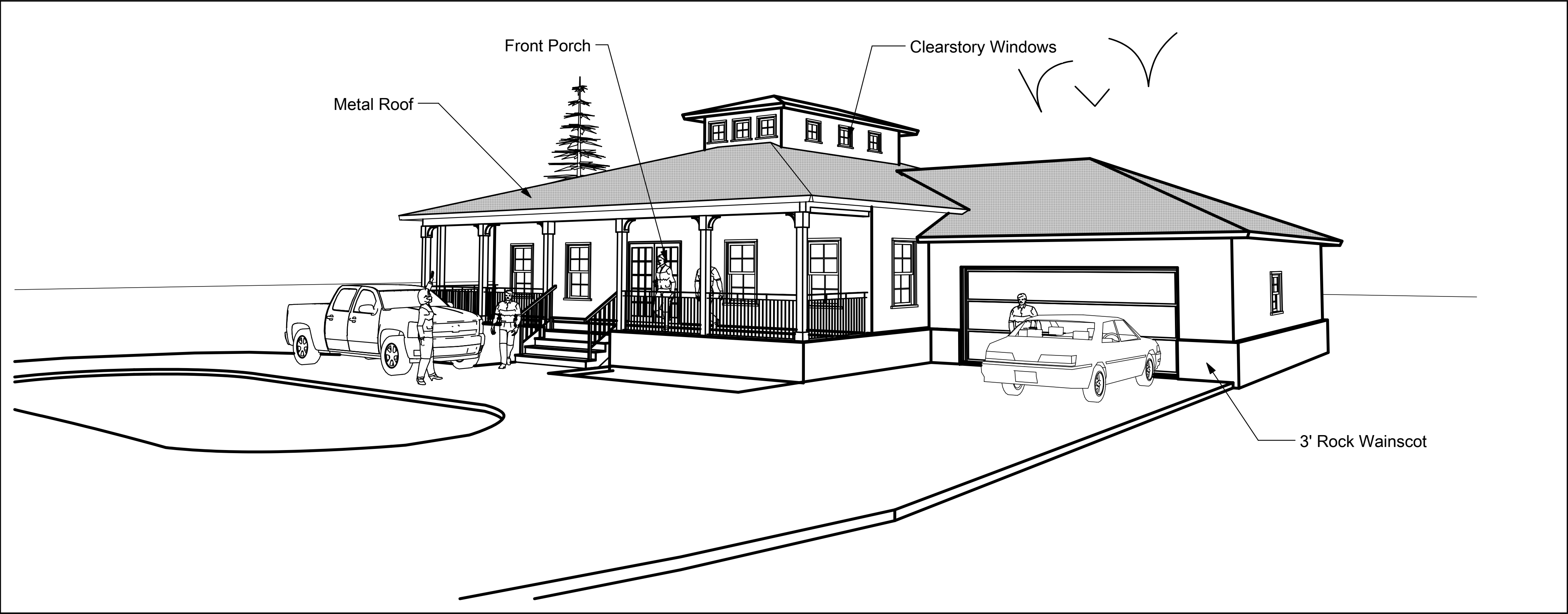
450 N. Tymber Creek Road  
Ormond Beach, Florida



Site Plan

SCALE: 1/128"= 1'-0"

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|-------------------|----------------------------|
| Sheet             | Name                       |
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| A-002             | Axonometric View           |
| A-003             | Floor Plan                 |
| A-004             | Roof Plan                  |
| A-005             | North Elevation            |
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| A-007             | Bldg Sections              |
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| A-013             | Beam Framing Plan          |
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| A-015             | Electric Plan              |
| A-016             | HVAC Plan                  |
| A-017             | Plumbing Riser             |



Front Perspective

2/8/22, 3:20 PM

CADDtools Design Pressure results

ASCE 7-16 Wind load Program (30.3 Part 1: Low-Rise Building Wall Components and Cladding)  
Wall Components and Cladding (*Mean Roof Height h <= 60 ft*)

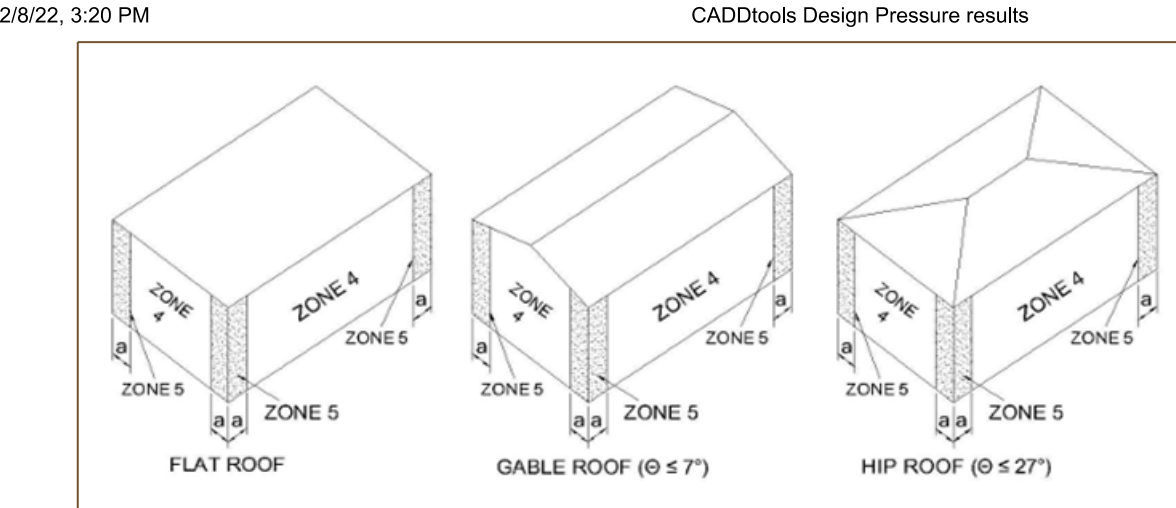
*Project:* Faircloth Residence  
*Prepared by:* Richard Brookfield of Company NameRichard Brookfield Architect, LLC  
*E-mail:* Enter Embrooksavalon@aol.comAddress

*Input:*  
ASCE 7-16 Strength Design Load & Allowable Stress Design  
Wind Speed = 140 mph  
Building Exposure = B (Urban & Suburban areas)  
Internal Pressure Coefficient GCpi = 0.18 Enclosed Building  
θ > Roof angle is greater than 10°  
Kzt = 1.00  
Kd = 0.85  
Ke = 1.00  
Mean Roof Height = 24 ft

*Output:*  
Velocity Pressure Exposure Coefficient "Kz max." = 0.66  
*Per Table 26.10-1, page 268*  
LRFD uses wind speed Vult = 140 mph  
Velocity Pressure (qh LRFD) = 28.15 psf = .00256\*Kz\*Kzt\*Kd\*Ke\*V^2 lb/ft^2  
*Per eq.30.3-1, page 335*  
ASD uses wind speed Vasd<sup>1</sup> = 108 mph  
Velocity Pressure (qh ASD) = 16.89 psf = .00256\*Kz\*Kzt\*Kd\*Ke\*V^2\*0.6 lb/ft^2

| —                      | LRFD (Load Resistance Factor Design) |                            |
|------------------------|--------------------------------------|----------------------------|
| Tributary Area Sq Feet | Positive Zone 4 & 5 psf              | Negative Corner Zone 5 psf |
| 500 ft²                | 24.8                                 | -27.6                      |

Least Width = 56.7 ft    a = 5.7 ft (Zone 5)  
10% of least width or 0.4h, whichever is smaller but not less than 3 ft.  
Presented by CADDtools.com

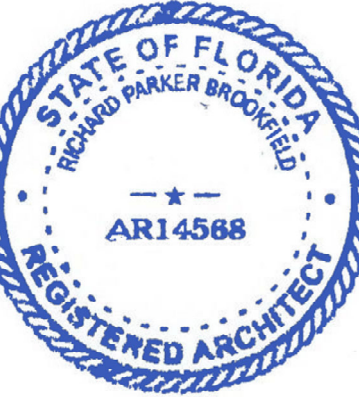


Foot notes:  
[1] From Florida Building Code 7th edition 2020 in section 1609.3.1 wind speed conversion.

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SHEET TITLE

Title Sheet

SHEET

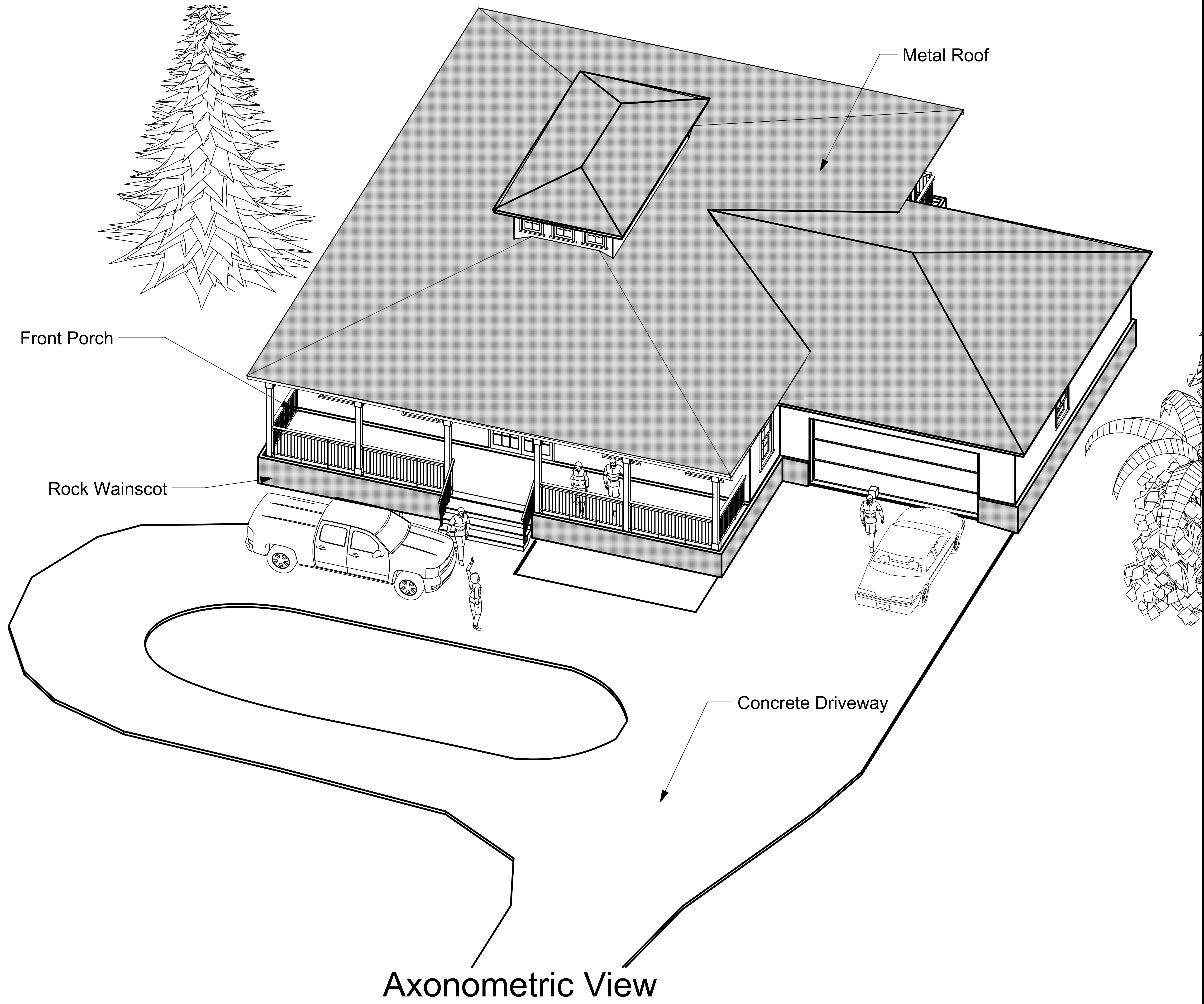
A-001

OF

SHEET 1 OF 17



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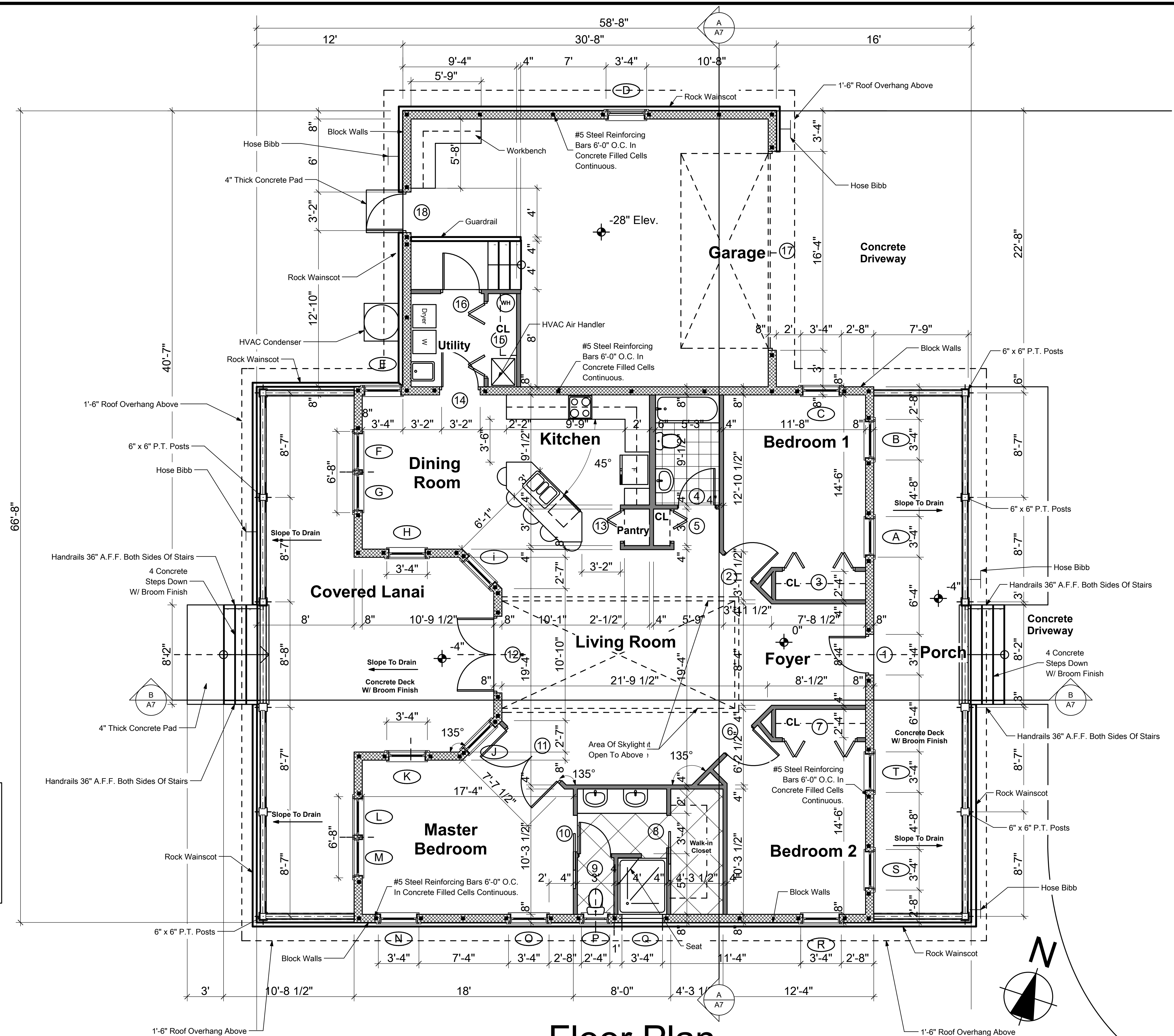


|                                                                                                                                                                                                       |                   |
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| SHEET TITLE                                                                                                                                                                                           |                   |
| Axonometric View                                                                                                                                                                                      |                   |
| SHEET                                                                                                                                                                                                 |                   |
| A-002                                                                                                                                                                                                 |                   |
| OF                                                                                                                                                                                                    |                   |
| SHEET 2                                                                                                                                                                                               | OF 17             |



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Enclosed Space = 1,702 sq. ft.  
Front Porch = 352 sq. ft.  
Rear Lanai = 527 sq. ft.  
Garage = 695 sq. ft.



## Floor Plan

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

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SHEET TITLE

Floor Plan

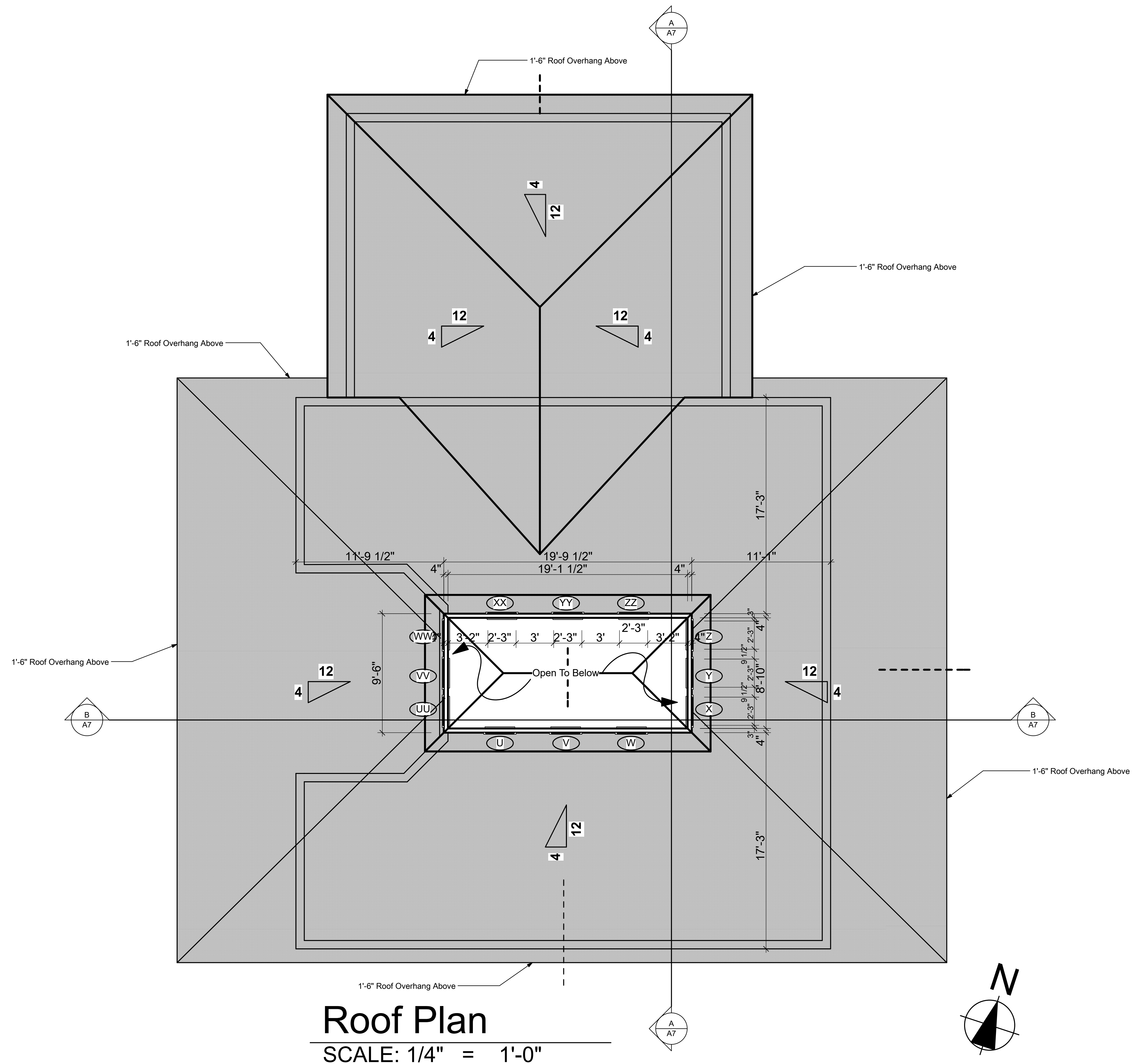
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**A-003**

OF

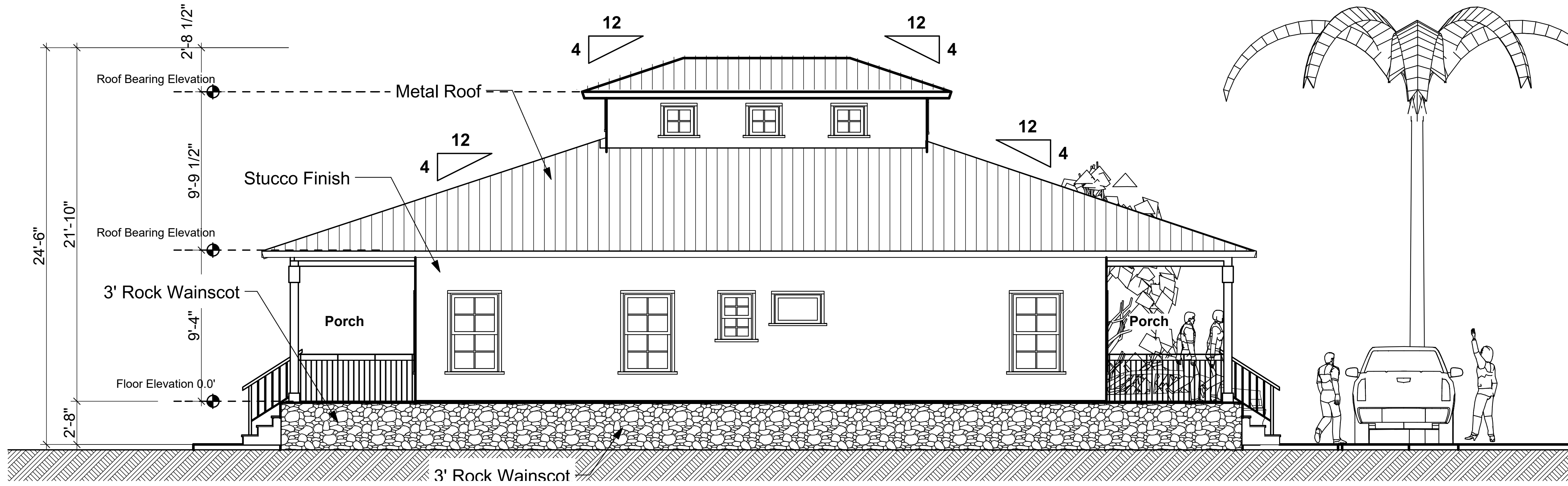
SHEET 3 OF 17





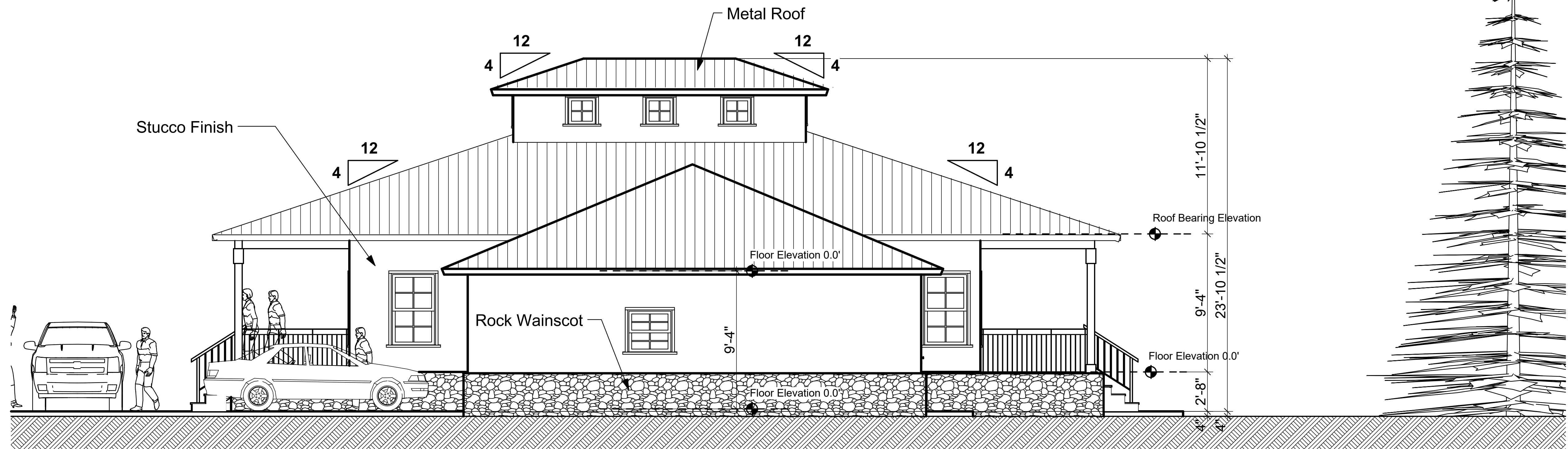


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## South Elevation

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



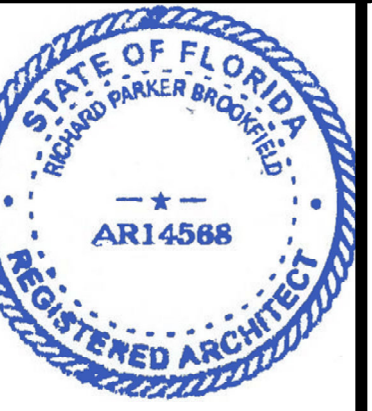
## North Elevation

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

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SHEET TITLE

North Elevation

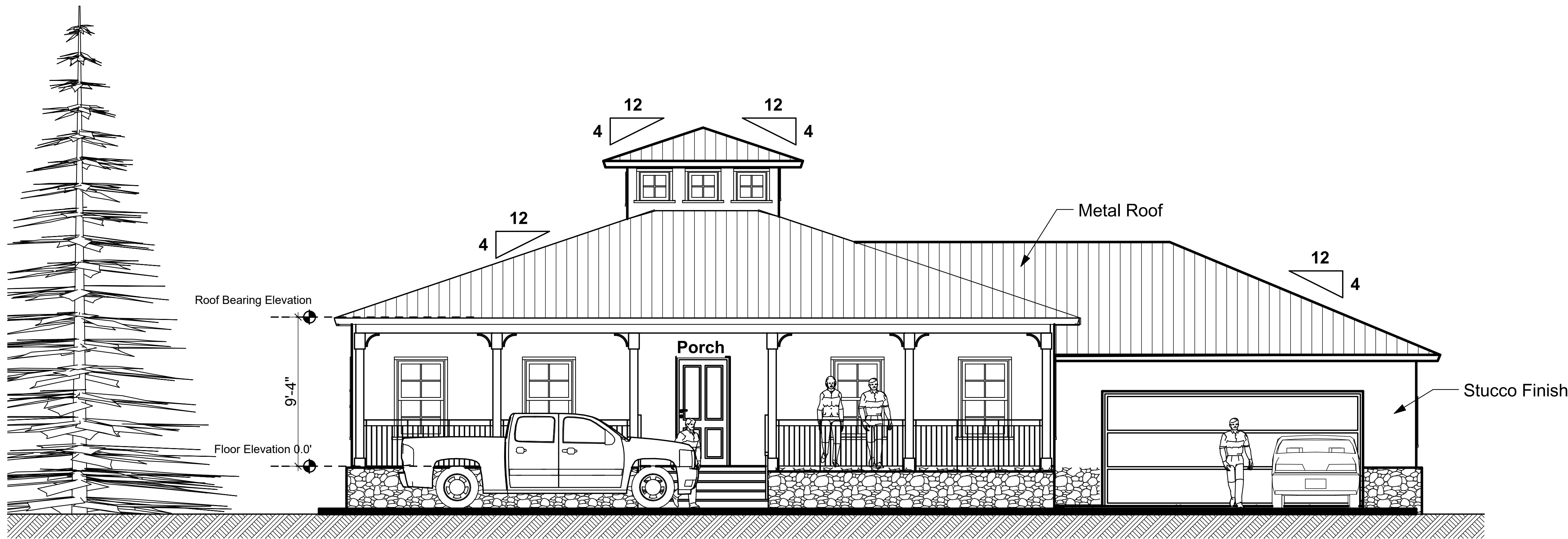
SHEET

**A-005**

OF

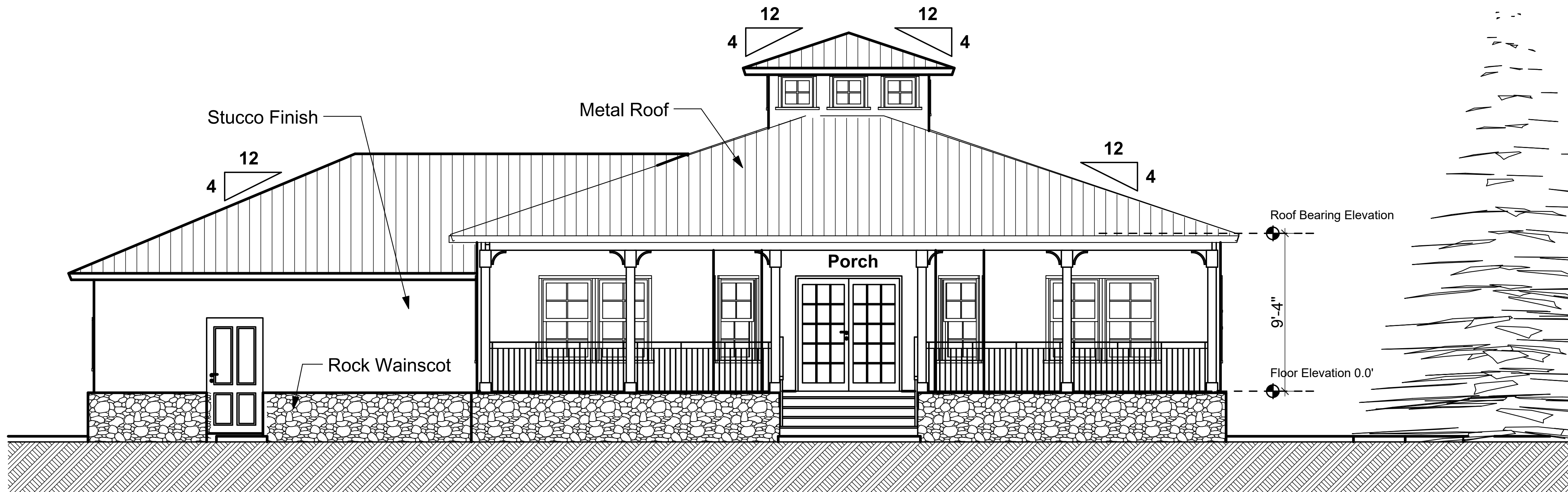
SHEET 5 OF 17





## East Elevation

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



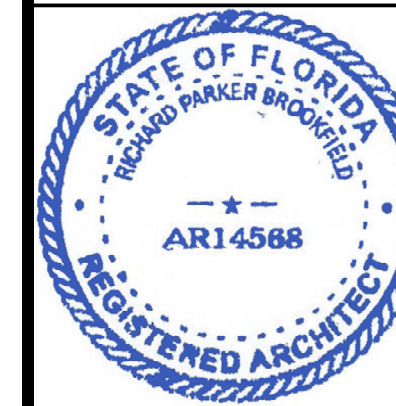
## West Elevation

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

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SHEET TITLE

East Elevation

SHEET

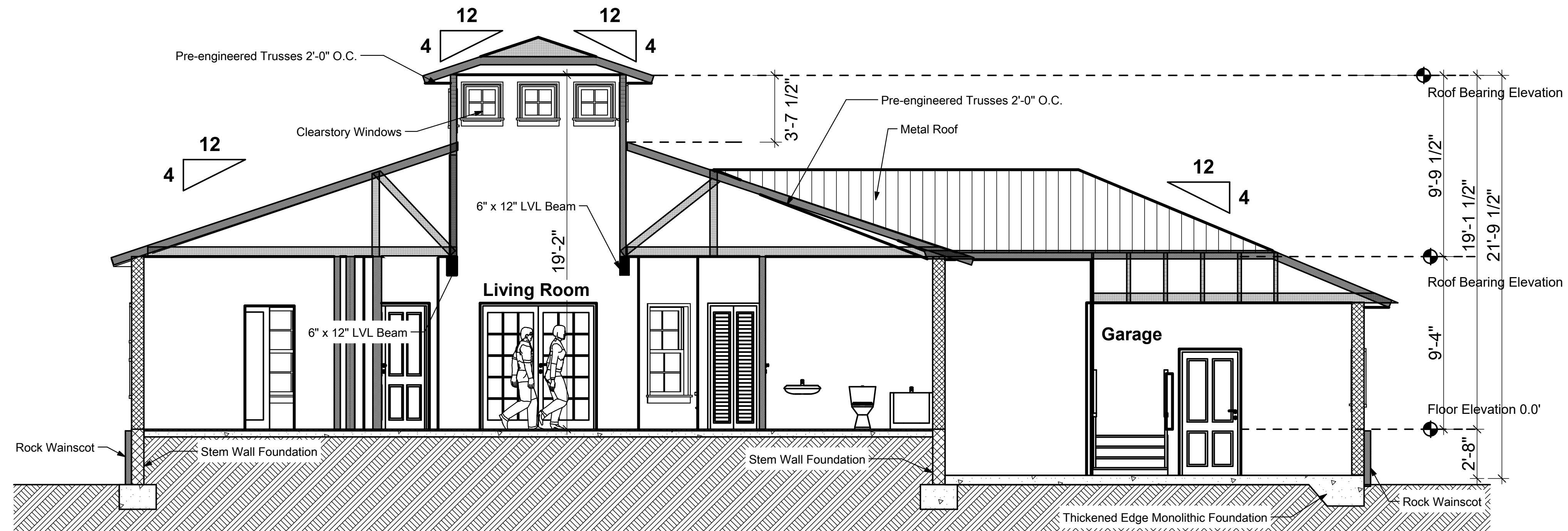
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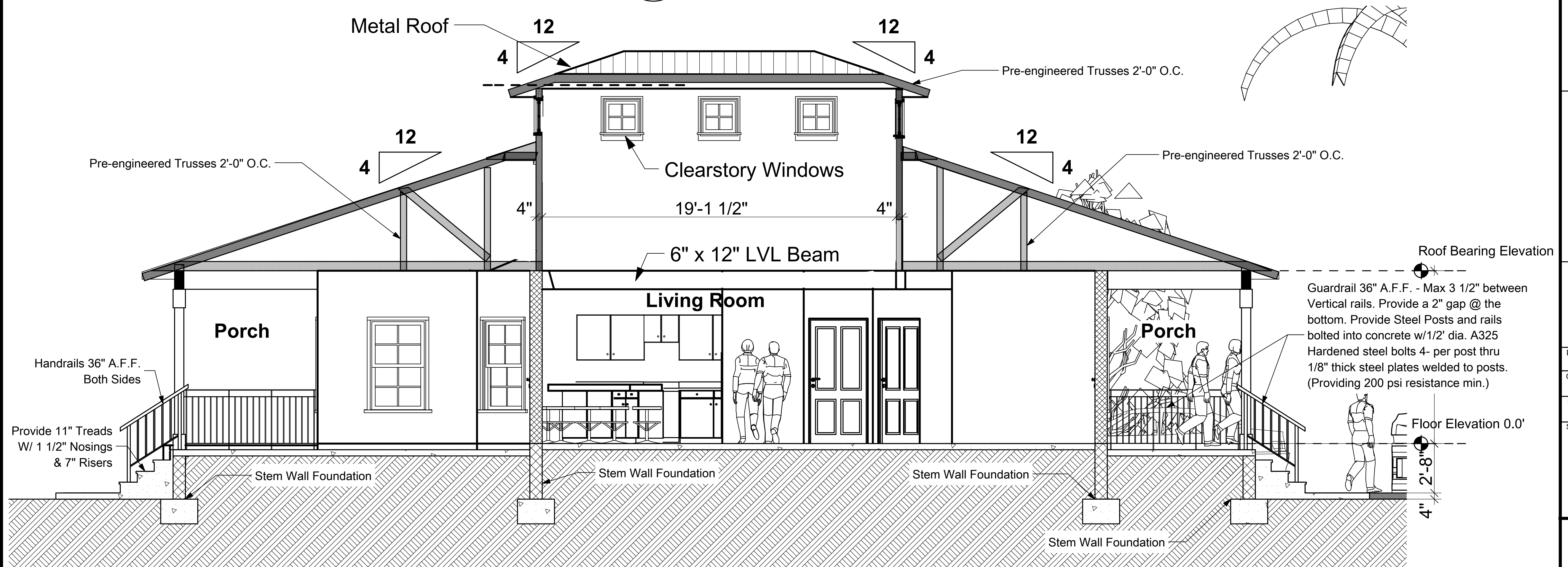
SHEET 6 OF 17



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**A** Section A NS Axis  
SCALE: 1/4" = 1'-0"



**B** Section B EW Axis  
SCALE: 3/8" = 1'-0"

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Bldg Sections

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**A-007**

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