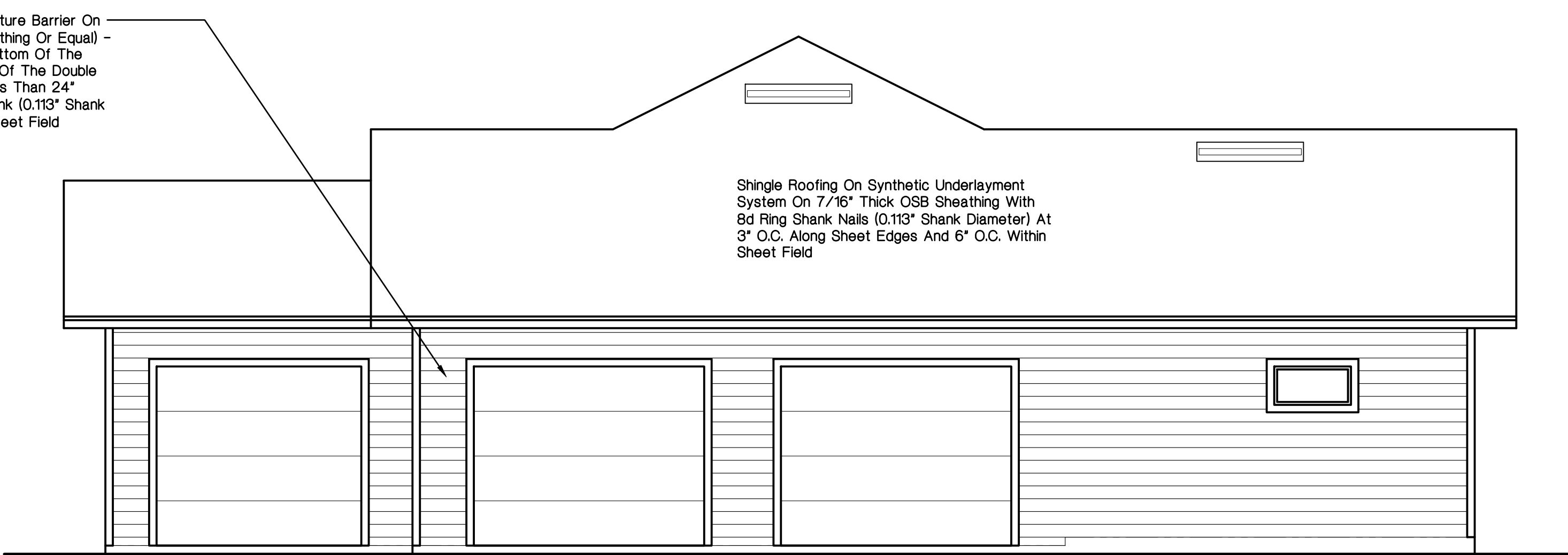


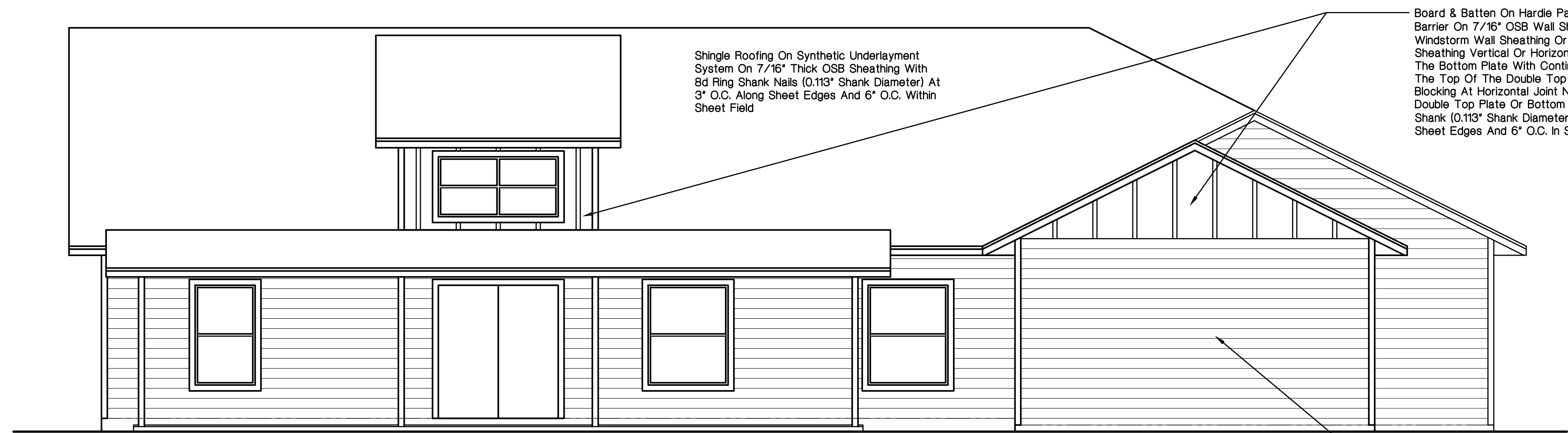
**South Elevation**

1/4" = 1'-0"



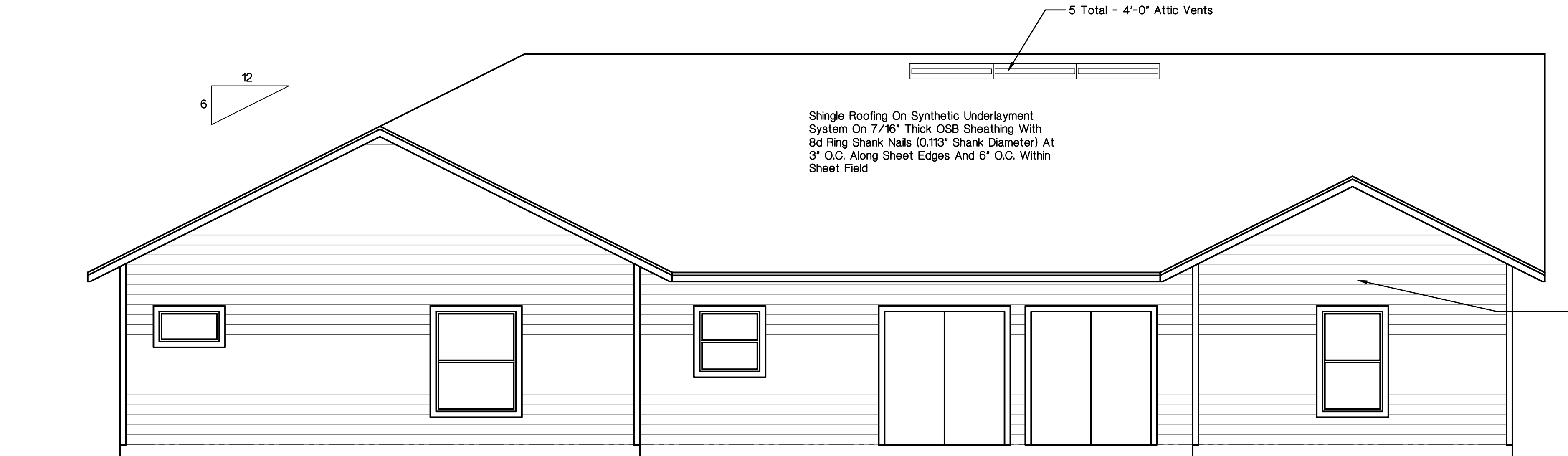
**North Elevation**

1/4" = 1'-0"



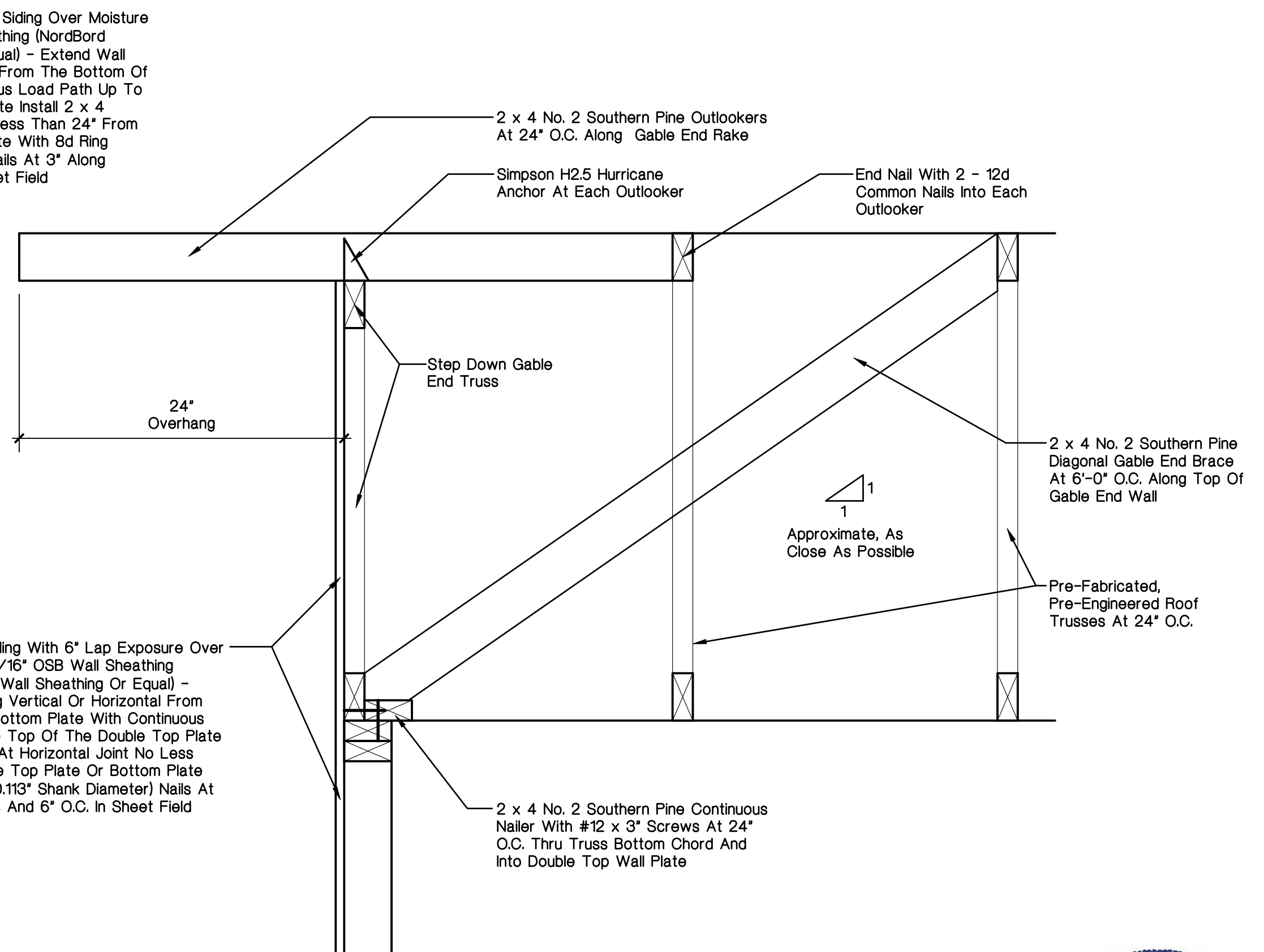
**East Elevation**

1/4" = 1'-0"



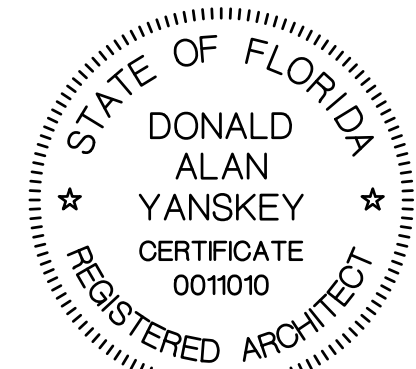
**West Elevation**

1/4" = 1'-0"



**Gable End Bracing Detail**

1 1/2" = 1'-0"



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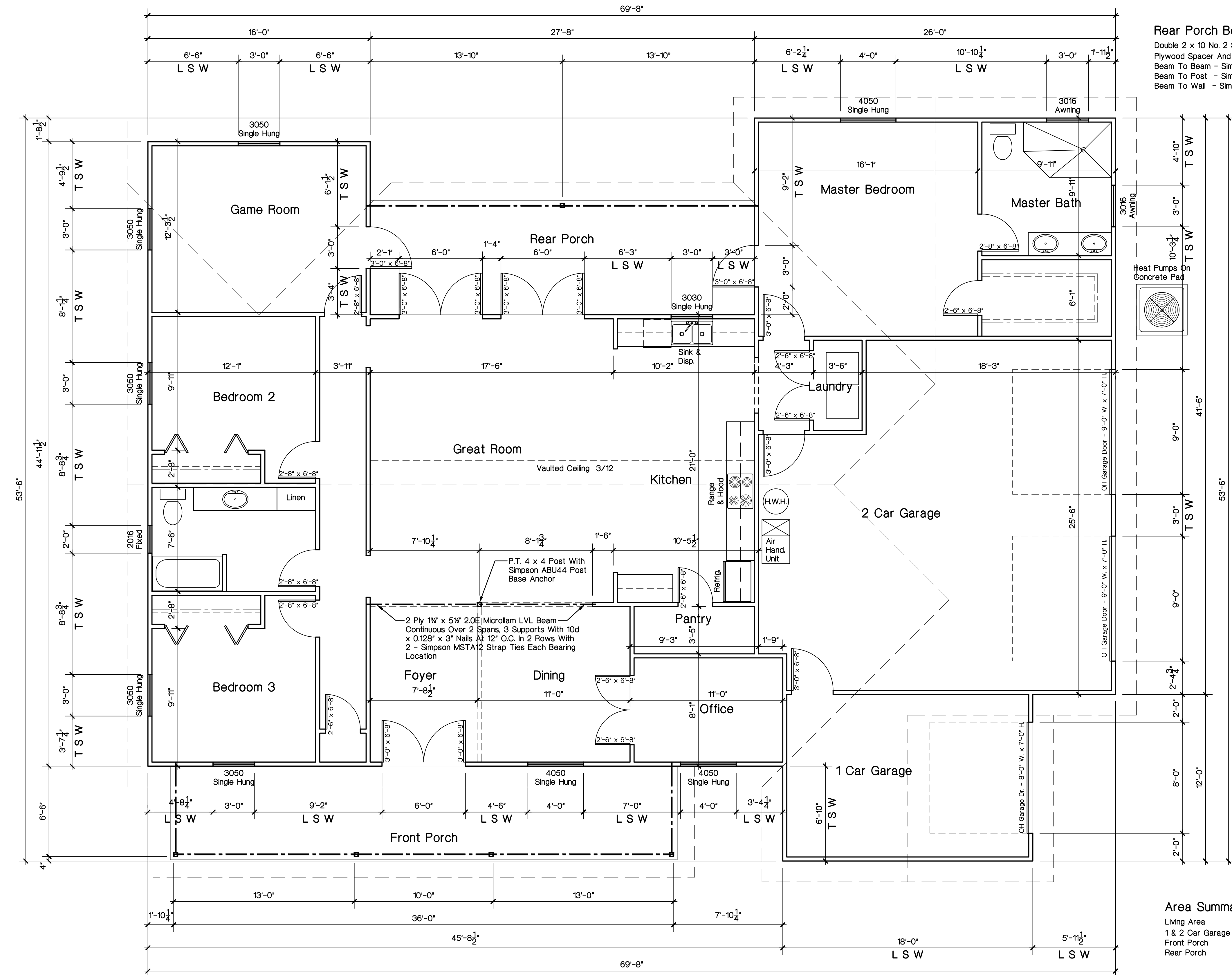
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Feb. 19, 2022	D. A. Y.	D. A. Y.	
JOB NUMBER	Senter		

A New Residence For  
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SHEET  
**A-5**  
OF 6



Rear Porch Beams:  
Double 2 x 10 No. 2 Southern Pine Beam With 1/2" Solid Continuous Plywood Spacer And 10d x 0.128" Nails At 12" O.C. In 2 Rows  
Beam To Beam - Simpson HUC410 Concealed Facemount Hanger  
Beam To Post - Simpson MSTA21 Strap Tie  
Beam To Wall - Simpson HTS20 Twist Strap

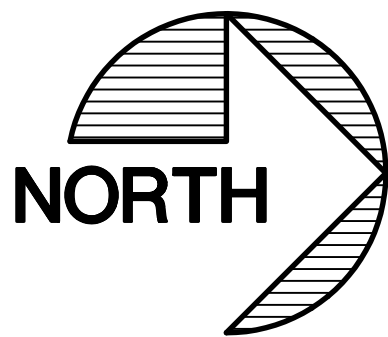
Area Summaries:

Living Area	-	2,113 Sq. Ft.
1 & 2 Car Garage	-	811 Sq. Ft.
Front Porch	-	234 Sq. Ft.
Rear Porch	-	221 Sq. Ft.

Front Porch Beams:  
Double 2 x 8 No. 2 Southern Pine Beam With 1/2" Solid Continuous Plywood Spacer And 10d x 0.128" Nails At 12" O.C. In 2 Rows  
Beam To Beam - Simpson HUC48 Concealed Facemount Hanger  
Beam To Post - Simpson MSTA16 Strap Tie  
Beam To Wall - Simpson HTS16 Twist Strap

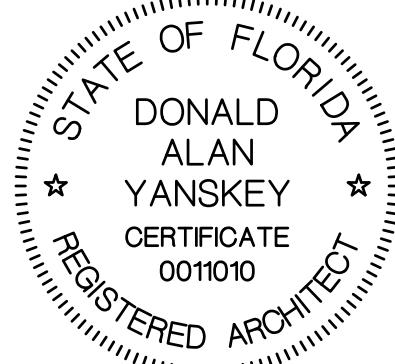
# Floor Plan

1/4" = 1'-0"



Transverse Shear Walls - T S W:  
Maximun Force Applied At Top Of Transverse Shear Walls Is 33,592# Per 77'-6" = 433.5 PLF. Provide 8d Ring Shank Nails (Min. 0.120" Dia. Shank x 2 1/2" At 3' O.C. Along Sheet Edges And 6" O.C. In Sheet Field

Longitudinal Shear Walls - L S W:  
Maximun Force Applied At Top Of Longitudinal Shear Walls Is 23,296# Per 91'-9 1/2" = 253.8 PLF. Provide 8d Ring Shank Nails (Min. 0.120" Dia. Shank x 2 1/2" At 3' O.C. Along Sheet Edges And 6" O.C. In Sheet Field



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# A New Residence For Chris & Courtney Senter

## Lot 18 - Bluebird Landing - Columbia County, Florida

### Code Design Compliance, Residential

2020 Florida Building Code 7th Edition, Residential

2020 Florida Building Code 7th Edition, Plumbing

2020 Florida Building Code 7th Edition, Mechanical

2020 Florida Building Code 7th Edition, Energy Conservation

National Electrical Code, 2017 Edition

### 130 MPH - ULTIMATE - RISK CAT. II WINDLOAD CALCULATION SUMMARY

#### DESIGN CRITERIA DATA:

CODE REFERENCE:  
LOCATION:  
BASIC WIND SPEED:  
MEAN ROOF HEIGHT:  
BUILDING RISK CATEGORY:  
BUILDING EXPOSURE FACTOR:  
BUILDING ENCLOSURE:  
INTERNAL PRESSURE COEFFICIENT:  
ROOF COMPONENT AND CLADDING WIND PRESSURE:  
As Per 2020 Florida Building Code 7th Edition, Residential, Table R3012 (2)

2020 FLORIDA BUILDING CODE 7th Edition, RES.  
COLUMBIA COUNTY, FLORIDA  
130 MPH - ULTIMATE DESIGN WIND SPEED  
LESS THAN 30'-0"

II  
EXPOSURE B  
BUILDING IS ENCLOSED  
0.18  
(1) +10.0 PSF, -15.0 PSF  
(2) +10.0 PSF, -21.0 PSF  
(3) +10.0 PSF, -33.0 PSF

WALL COMPONENT AND CLADDING WIND PRESSURE:  
As Per 2020 Florida Building Code 7th Edition, Residential, Table R3012 (2)

(4) +15.5 PSF, -17.0 PSF  
(5) +15.5 PSF, -19.0 PSF

BUILDING DATA:  
EXTERIOR MASONRY WALLS  
GABLE ENDED ROOF - RESIDENCE  
ROOF OVERHANG

RECTANGULAR SHAPED  
6 / 12  
1'-6"

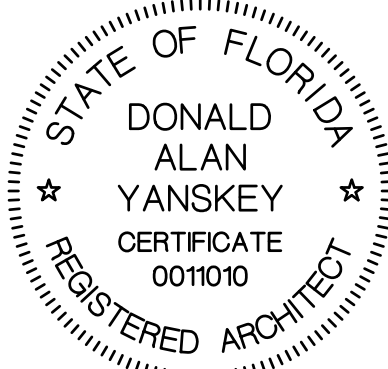
### Code Design Criteria

Roof Live Load = 20 PSF  
Floor Live Load = 40 PSF

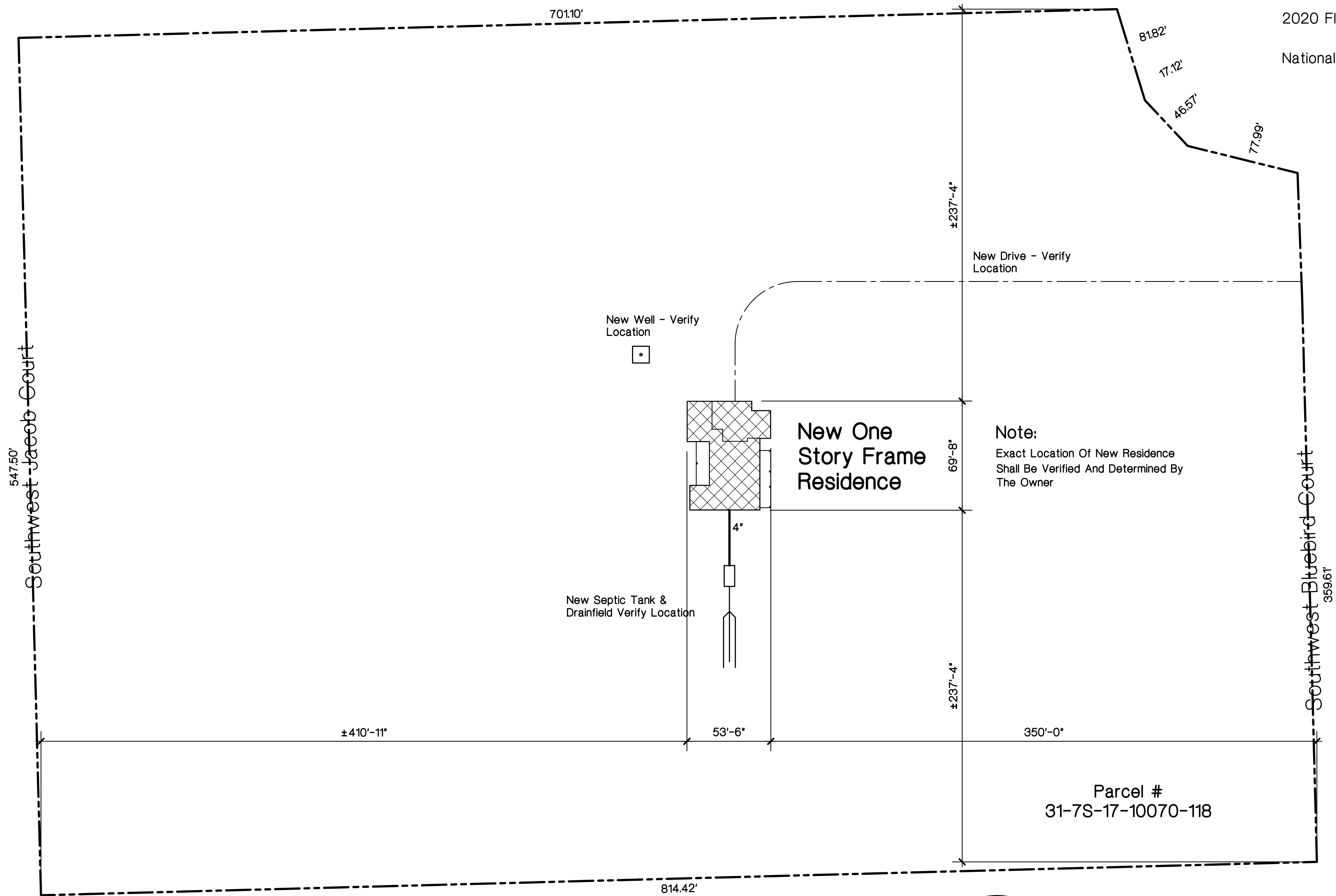
Occupancy Classification: Single Family Residential

### General Notes

- All Work Shall Be In Strict Accordance With The Latest Revisions To The 2020 Florida Building Code 7th Edition, Residential And All Applicable Codes, Ordinances And Regulations Of Local Governing Authorities.
- Any Discrepancies Between Referenced Standards And The Drawings Shall Be Brought To The Attention Of The Architect In Writing Prior To Commencing The Work. Commencement Of The Work Without Notifying The Architect In Writing Implies The Contractor Takes The Responsibility With All Applicable Codes, Ordinances And Standards.
- All Sub-Grade Under Buildings Shall Be Well Compacted To Achieve A Minimum Bearing Capacity Of 2500 PSF.
- All Concrete Work For Use In Footings Shall Be A Minimum Of 3000 PSI. All Other Locations Shall Have Concrete With A Minimum Strength Of 3000 PSI. All Reinforcing Steel Shall Be Grade 60. All Concrete And Steel Reinforcing Work Shall Be Done In Strict Accordance With A.C.I. - 318 And Its Latest Revisions.
- All Anchor Bolts Shall Conform To ASTM A-307. All Framing Anchors Shall Be Galvanized, Type And Size As Required For Each Specific Load And Installation Application. Provide A 2" Round Or Square Plate Washer At Anchor Bolts For Use To Anchor Wall Bottom Plates To The Concrete Slab.
- Structural Framing Lumber Shall Be Number 2 Southern Yellow Pine, F = 1500 PSI Bending, Or Equal. Wall Framing Lumber Shall Be Number 2 Spruce-Pine-Fir Or Cedar. All Wood Sheathing For Roof & Walls Shall Be As Indicated On Sections And Details And Other Locations On The Drawings. At Roof, Provide "H" Clips Between Trusses. All Finish Wood And Trim Shall Be Selected By The Owner.
- Pre-Fabricated Trusses Shall Be Engineered For Live Loads As Required By The 2020 Florida Building Code 7th Edition, Residential And Actual Computed Dead Loads, And Shall Be So Certified By An Engineer Registered In The State Of Florida.
- Roofing Shall Be As Noted On The Drawings And Selected By The Owner And Installed Over Synthetic Underlayment System. Flashing Shall Be Minimum 26 Gauge Galvanized Metal Or Aluminum.
- All Doors And Windows And Their Finishes And Hardware Shall Be Selected By The Owner And Shall Comply With The 2020 Florida Building Code 7th Edition, Residential. All Windows At Sleeping Rooms Shall Comply With The Emergency Egress Code. All Windows Shall Have Insulated Glazings.
- All Finish Materials, Color Schemes And Textures Shall Be Selected By The Owner.
- Electrical Work Shall Conform To The National Electrical Code, 2017. All Electrical Outlets Shall Be Installed With Tamper Proof Receptacles. Provide For Arc Fault Circuit Interrupter Protection.
- All Telephone Outlet Locations Shall Be Determined By The Owner.
- The Contractor Shall Verify All Dimensions Indicated Herein And Shall Notify The Architect Of Any And All Discrepancies Promptly. Any Discrepancies Not Brought To The Attention Of The Architect, Shall Be The Responsibility Of The Contractor.



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### Site Plan

1" = 50'-0"



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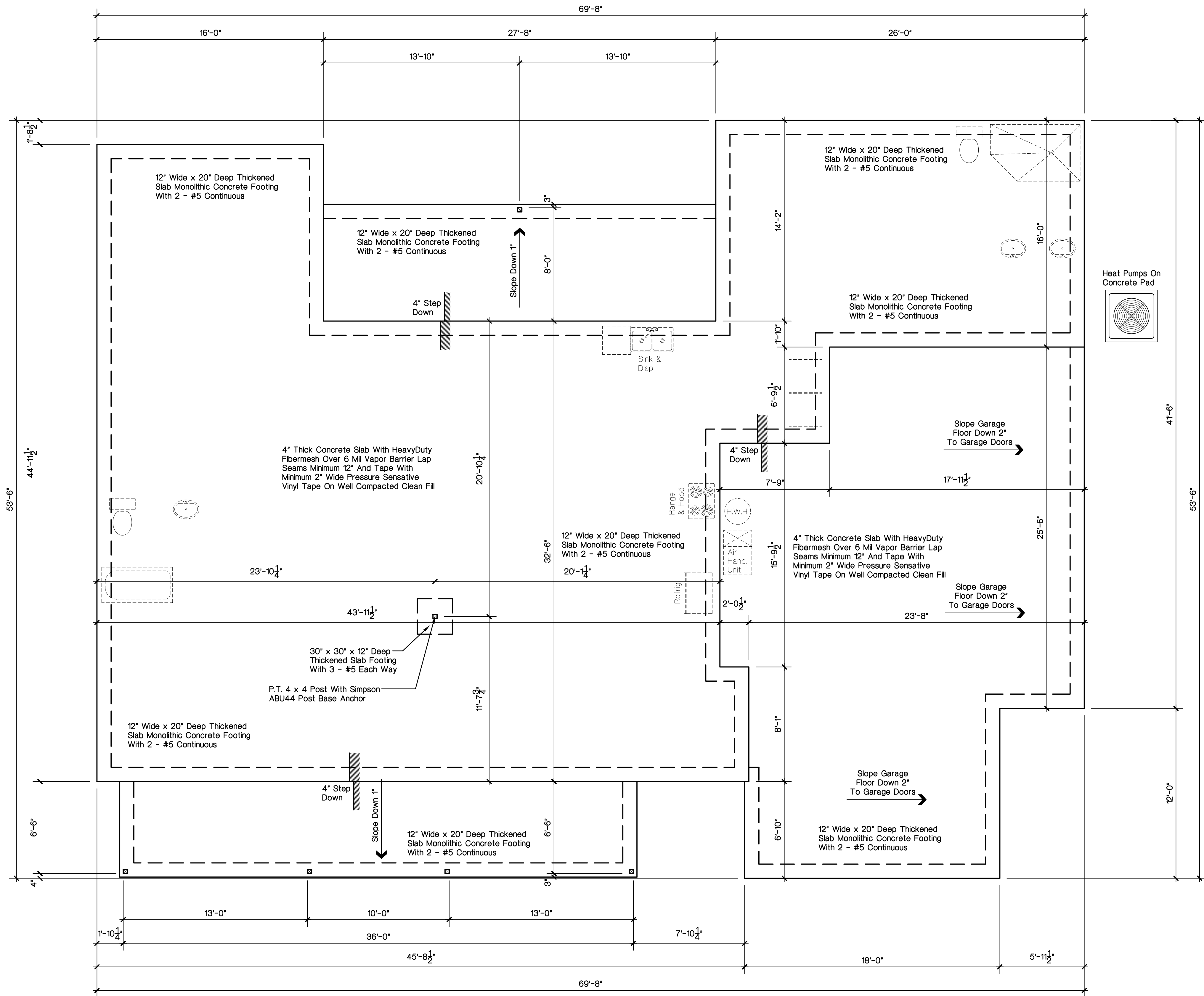
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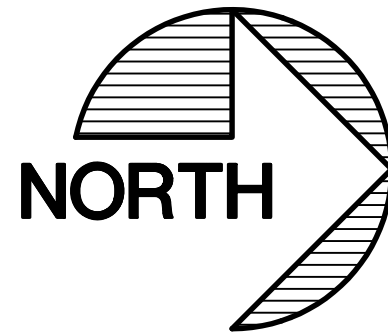
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SHEET  
**A-1**  
OF 6





**Foundation Plan**  
1/4" = 1'-0"



Protection Against Termites

Termite Protection Shall Be Provided By Registered Termiticides, Including Soil Applied Pesticides, Baiting Systems, And Pesticides Applied To Wood, Or Other Approved Methods Of Termite Protection Labeled For Use As A Preventative Treatment For New Construction. A "Certificate Of Compliance" Shall Be Issued To The Building Department Upon Completion Of The Application(s), By The Licensed Pest Control Company That Contains The Following Statement: "The Building Has Received A Complete Treatment For The Prevention Of Subterranean Termites. Treatment Is In Accordance With Rules And Laws Established By The Florida Department Of Agriculture And Consumer Services."

If Soil Treatment Is Used For Subterranean Termites Prevention:

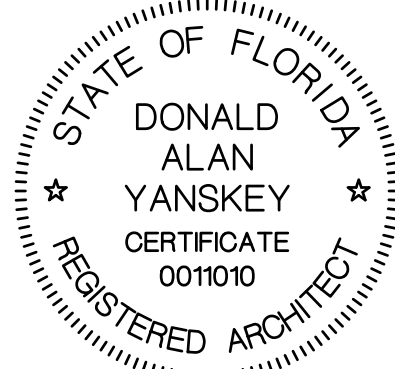
1. The Initial Chemical Soil Treatment Inside The Foundation Perimeter Shall Be Done After All Excavation, Backfilling And Compaction Is Complete.
2. Any Soil Area Disturbed After Initial Chemical Soil Treatment Shall Be Retreated With A Chemical Soil Treatment, Including Spaces Boxed Or Formed.
3. The Space In Concrete Floors Boxed Out Or Formed For Subsequent Installation Of Plumbing Traps, Drains Or Any Other Purpose Shall Be Created By Using Plastic Or Metal Permanently Placed Forms Of Sufficient Depth To Eliminate Any Planned Soil Disturbance After Initial Chemical Soil Treatment.
4. Chemically Treated Soil Shall Be Protected With A Minimum 6 Mil Vapor Retarder To Protect Against Rainfall Dilution. If Rainfall Occurs Before Vapor Retarder Placement, Retreatment Is Required. Any Work, Including Placement Of Reinforcing Steel, Done After Chemical Treatment Until The Concrete Floor Is Poured, Shall Be Done In Such A Manner As To Avoid Penetrating Or Disturbing Treated Soil.
5. Any Concrete Overpour Or Mortar Accumulated Along The Exterior Foundation Perimeter Shall Be Removed Prior To Exterior Chemical Soil Treatment To Enhance Vertical Penetration Of The Chemicals.
6. Chemical Soil Treatments Shall Also Be Applied Under All Exterior Concrete Or Grade Within 12" (Inches) Of The Primary Structure Sidewalls. Also, A Vertical Chemical Barrier Shall Be Applied Promptly After Construction Is Completed, Including Initial Landscaping And Irrigation / Sprinkler System Installation. Any Soil Disturbed After The Chemical Vertical Barrier Is Applied Shall Be Retreated.
7. If A Registered Termiticide Is Formulated And Registered As A Bait System Is Used For Subterranean Termite Prevention, Items 1 Thru 6 Do Not Apply; However, A Signed Contract Assuring The Installation, Maintenance And Monitoring Of The Baiting System That Is In Compliance With The Requirements Of Chapter 482, Florida Statutes, Shall Be Provided To The Building Official Prior To The Pouring Of The Concrete Slab, And The System Must Be Installed Prior To Final Building Approval.
8. If A Registered Termiticide Formulated And Registered As A Wood Treatment Is Used For Subterranean Termite Prevention, Items 1 Thru 6 Do Not Apply. Application Of The Wood Treatment Termiticide Shall Be As Required By Label Directions For Use, And Must Be Completed Prior To Final Building Approval.

Refer To The 2020 Florida Building Code, 7th Edition, Residential, Chapter 3, Building Planning, Section R318, Protection Against Termites For Additional Information.

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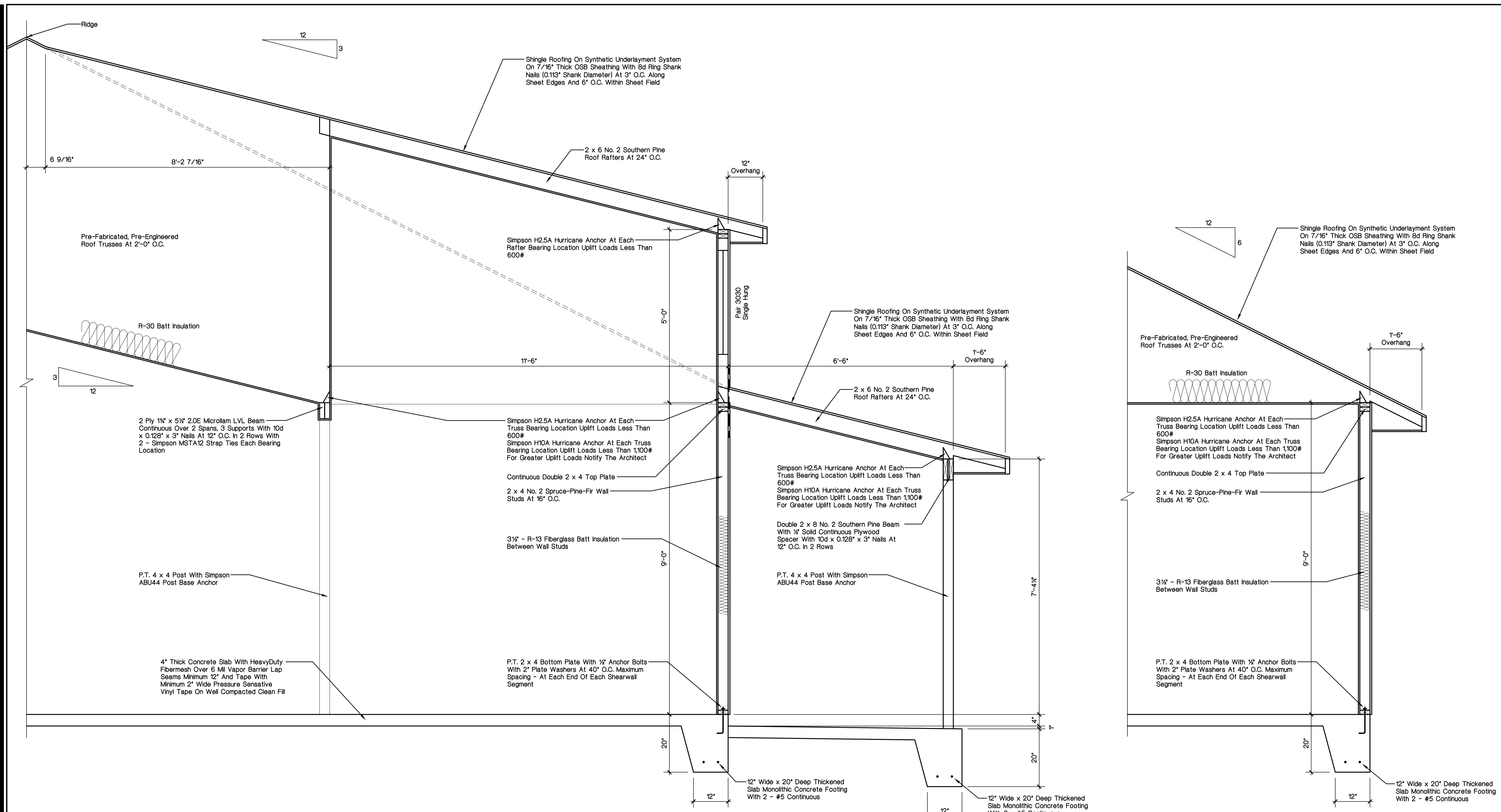
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SHEET  
**A-2**  
OF 6



Section Thru Front Porch

3/4" = 1'-0"

Wall Section

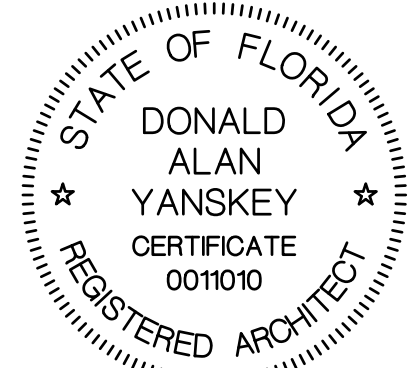
3/4" = 1'-0"

Underlayment Roofing Note:

Underlayment Shall Comply With ASTM D 226, Type II Or ASTM D 4869, Type IV Or ASTM D 6757 And Shall Be One Layer Applied In The Following Manner. Underlayment Shall Be Applied Like Shingles, Parallel To And Starting From The Eave And Lapped 2 Inches, Fastened With 1 - Inch Round Plastic Cap, Metal Cap Nails Or Nails And Tin-Tabs Attached To A Nailable Roof Deck With Two Staggered Rows In The Field Of The Sheet With A Maximum Fastener Spacing Of 12 Inches O.C., And One Row At The Overlaps Fastened 6 Inches O.C. Synthetic Underlayment Shall Be Fastened In Accordance With This Note And The Manufacturer's Recommendations. End Laps Shall Be Offset By 6 Feet. Reference 2020 Florida Building Code 7th Edition, Residential R905.11.

Truss Manufacturer Note:

The Truss Manufacturer SHALL Furnish To The Architect For Review Prior To Fabrication Of The Roof Trusses, A Truss Engineering Package Including But Not Necessarily Limited To Truss Layout PPlan, Truss Profile Details With All Loads And Load Combinations And Identifications. The Truss Manufacturer SHALL Email To The Architect The PDF Electronic Files To dayayan85arch@gmail.com.



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SHEET
A-4
OF 6