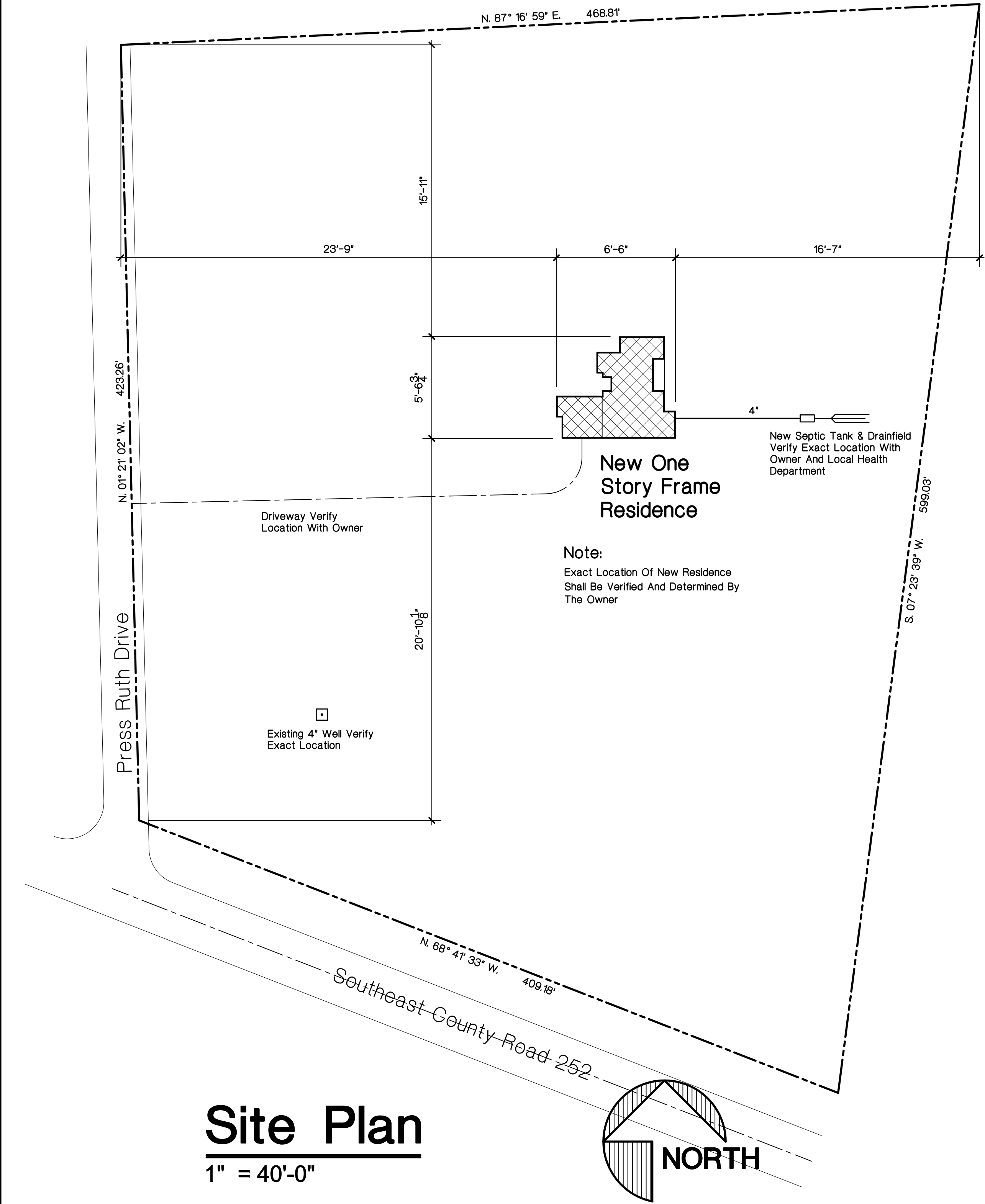


A New Residence For Wil Todman

1276 Press Ruth Drive - Lake City, Florida

Donald Alan Yanskey
ARCHITECT
2421 Northwest 49th Avenue • Gainesville, Florida 32605
Cell (352) 278-7872 • Email: dalyanskey@gmail.com

Sparks Construction, Inc.
Lake City, Florida
386-755-9314



Code Design Criteria

Roof Live Load = 20 PSF
Floor Live Load = 40 PSF
Occupancy Classification: Single Family Residential

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.
LAKE CITY, 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)

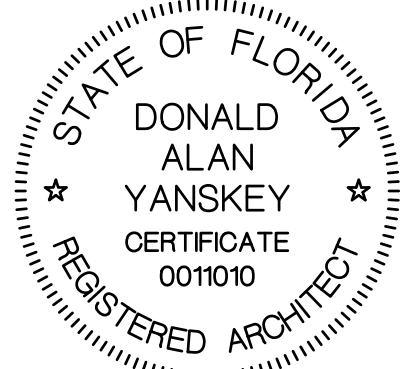
(4) +15.5 PSF, -17.0 PSF
(5) +15.5 PSF, -19.0 PSF

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

RECTANGULAR SHAPED
7 / 12
1'-6"

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.
- All 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.



DONALD ALAN YANSKEY, ARCHITECT
FLORIDA REGISTRATION NO. AR0011010
DATE: FEBRUARY 9, 2023

A New Residence For
Wil Todman
1276 Press Ruth Drive - Lake City, Florida

DATE	DRAWN BY	CHECKED	JOB NUMBER
Feb. 9, 2023	D. A. Y.	D. A. Y.	Todman

SHEET
A-1
OF 5

Foundation Plan

$$\frac{1}{4}'' = 1'-0''$$


Protection Against Termites

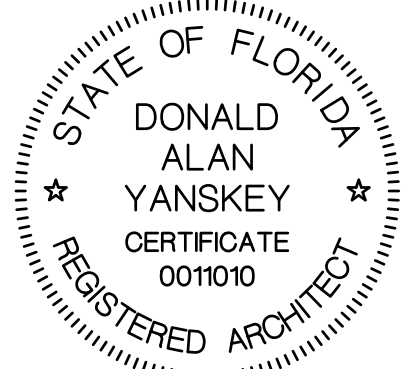
Termite Protection Shall Be Provided By Registered Termiticides, Including Soil Applied Pesticides, Baiting Systems, And Pesticides Applied To Wood, Or Other Approved Methods Of Termite Protection Labeled For Use As A Preventative Treatment For New Construction. A "Certificate Of Compliance" Shall Be 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 Forms 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 Accidental 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.

Opening Header Schedule		
Opening Width	Header Size	Remarks
Up To 3'-0" Opening	Double 2 x 8 No. 2 Southern Pine With 1/2" OSB Solid Continuous Spacer Glued And Nailed With 10d x 0.128" x 3" Nails In 2 Rows @ 12" O.C. Staggered Each Side With 1 - Simpson MSTA15 Each Side Of Opening With 1 - Header Stud And 1 - Full Height Studs Each Side Of Opening. Install 1 - Simpson SPH4R (Centered) Stud Plate Tie Each Side Of Opening	
Up To 6'-0" Opening	Double 2 x 12 No. 2 Southern Pine With 1/2" OSB Solid Continuous Spacer Glued And Nailed With 10d x 0.128" x 3" Nails In 2 Rows @ 12" O.C. Staggered Each Side With 1 - Simpson MSTA24 Each Side Of Opening With 1 - Header Stud And 2 Full Height Studs Each Side Of Opening. Install 1 - Simpson SPH4R (Centered) Stud Plate Tie Each Side Of Opening	
9'-0" Garage Door Opening	Double 2 x 12 No. 2 Southern Pine With 1/2" OSB Solid Continuous Spacer Glued And Nailed With 10d x 0.128" x 3" Nails In 2 Rows @ 12" O.C. Staggered Each Side With 2 - Simpson MSTA24 Each Side Of Opening With 2 - Header Stud And 3 Full Height Studs Each Side Of Opening. Install 1 - Simpson SPH4R (Centered) Stud Plate Tie Each Side Of Opening	



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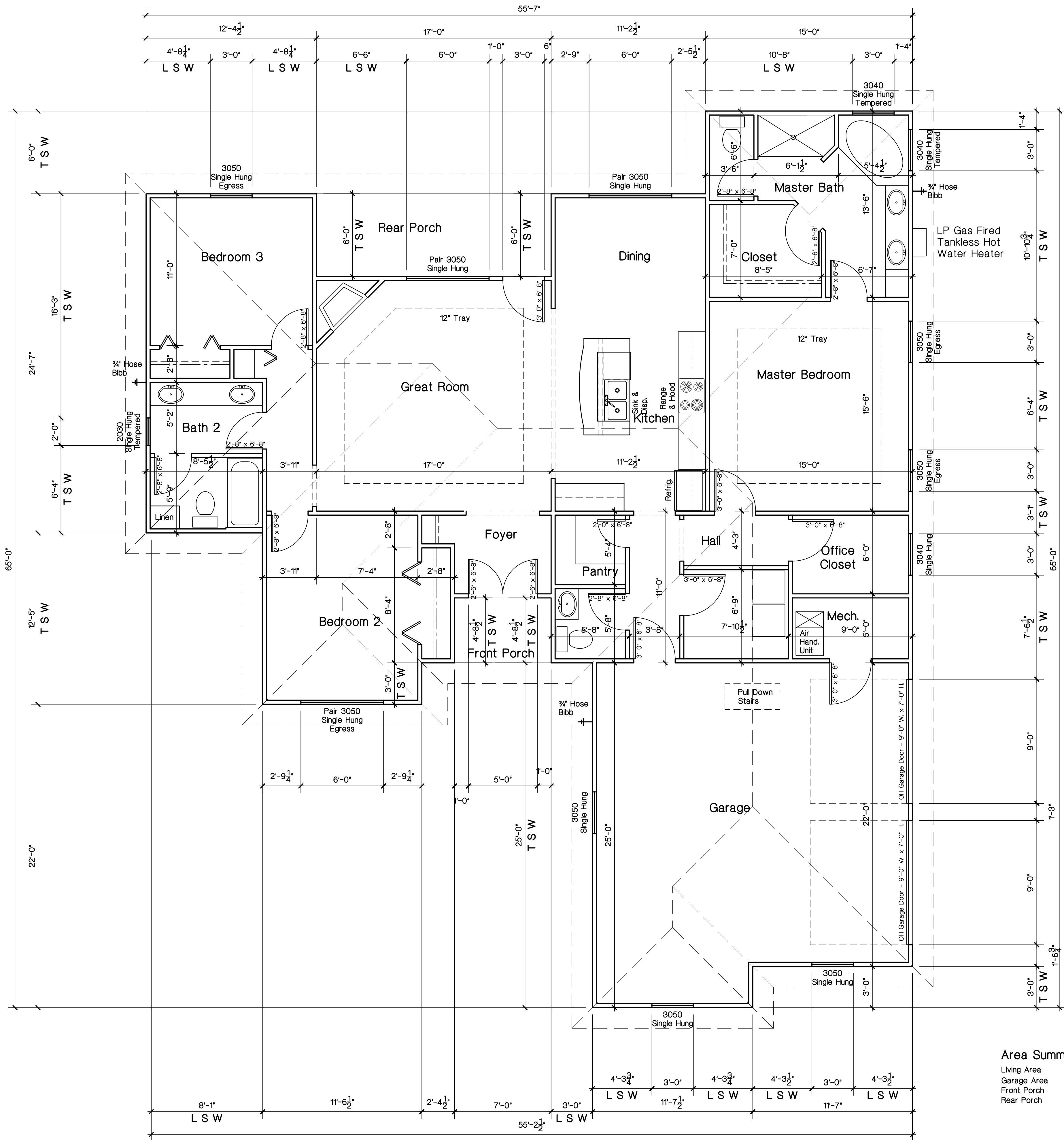
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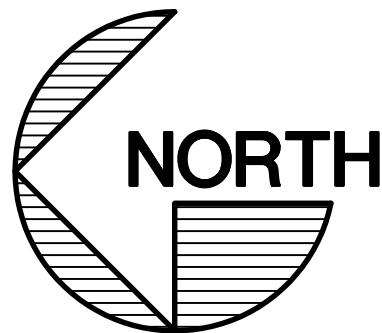
Sparks Construction, Inc.
Lake City, Florida
386-755-9314

DATE Feb. 9, 2023	DRAWN BY D. A. Y.	REVISED
JOB NUMBER Todman	CHECKED D. A. Y.	

SHEET
A-2
OF 5



Floor Plan
1/4" = 1'-0"



Area Summaries:

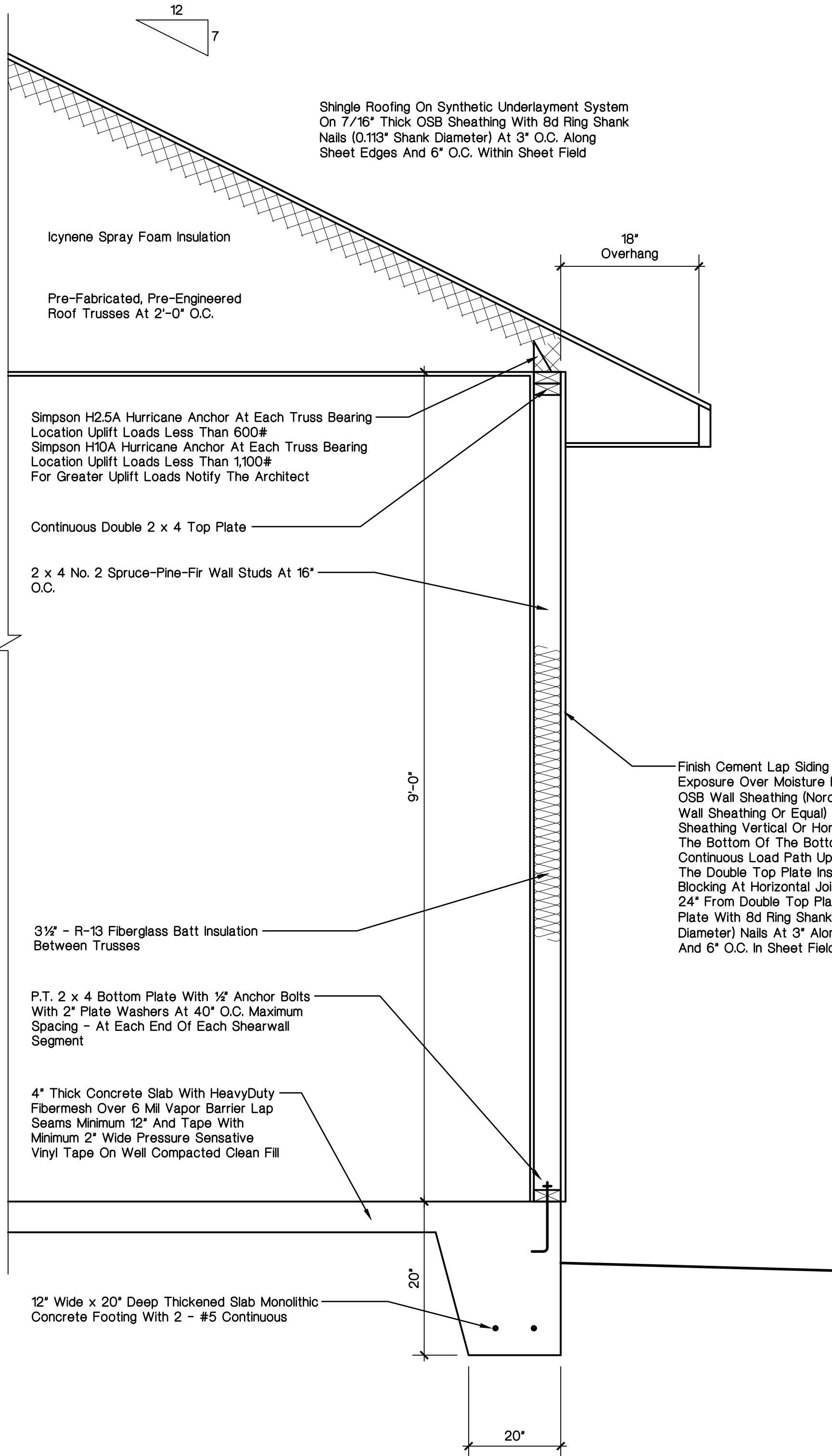
Living Area	-	1800 Sq. Ft.
Garage Area	-	545 Sq. Ft.
Front Porch	-	33 Sq. Ft.
Rear Porch	-	102 Sq. Ft.

Transverse Shear Walls - T S W:

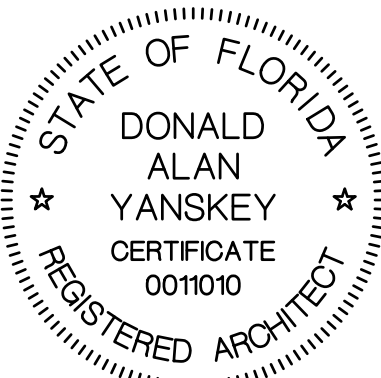
Maximum Force Applied At Top Of Transverse Shear Walls Is 22,516# Per 118'-3 1/2" = 190.4 PLF. Provide 8d Ring Shank Nails (Min. 0.120" Dia. Shank x 2 1/2" At 3" O.C. Along Sheet Edges And 6" O.C. In Sheet Field

Longitudinal Shear Walls - L S W:

Maximum Force Applied At Top Of Longitudinal Shear Walls Is 25,012# Per 54'-10" = 456.2 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



Typical Wall Section
1" = 1'-0"

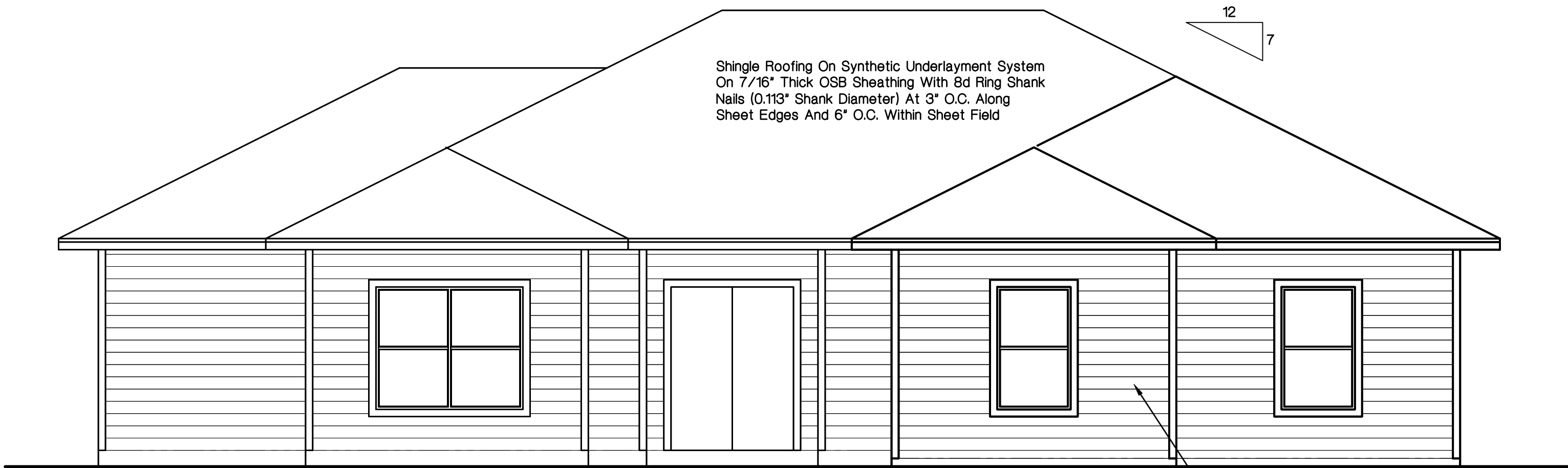


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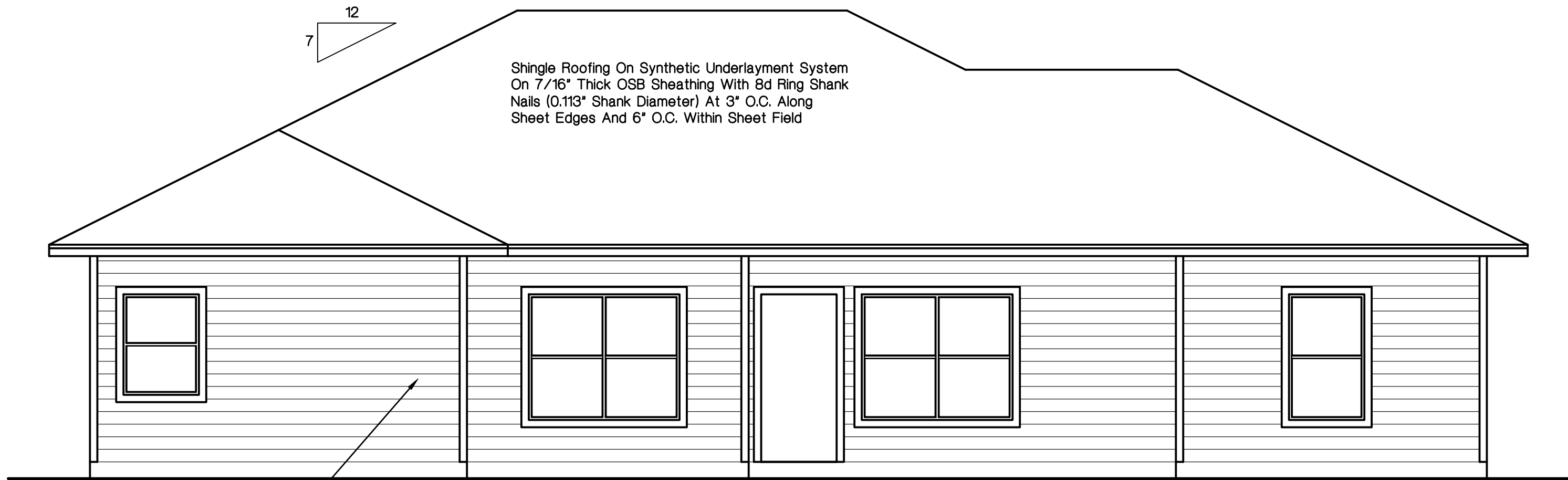
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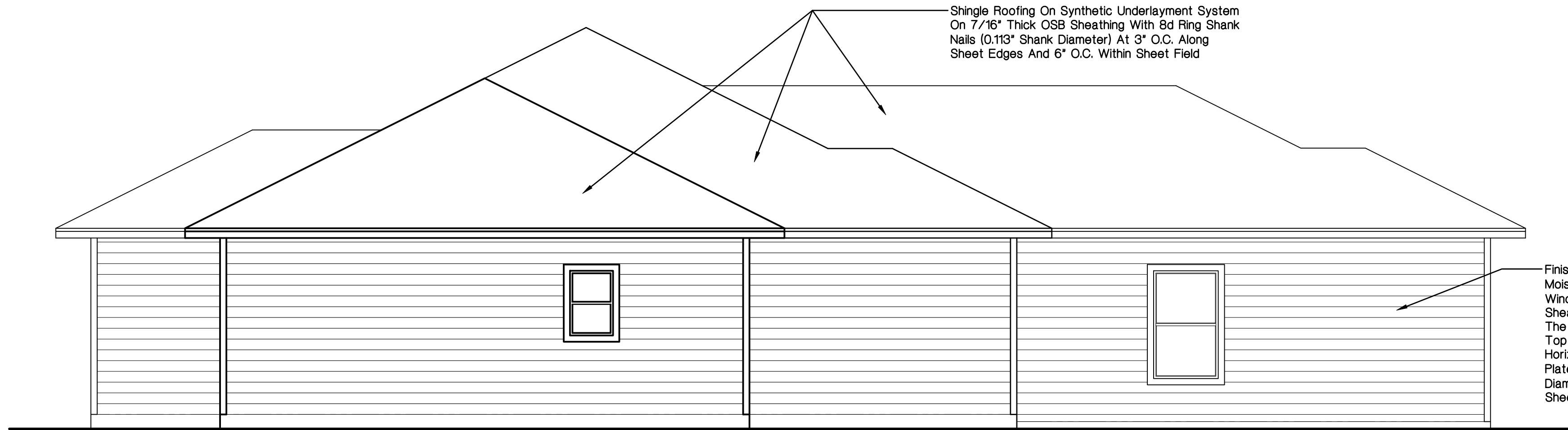
West Elevation

1/4" = 1'-0"



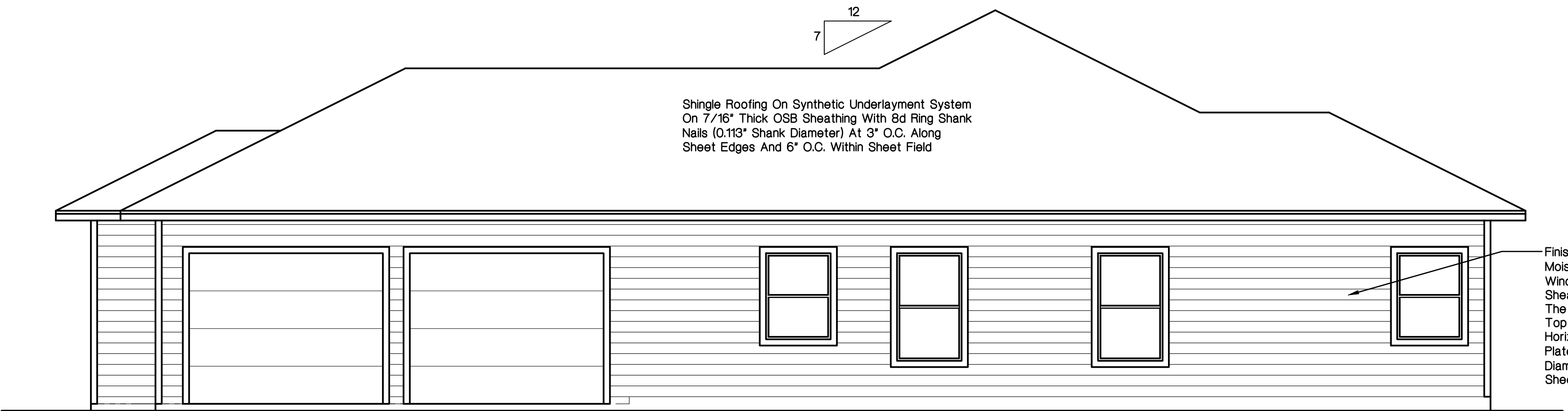
East Elevation

1/4" = 1'-0"



Left Side Elevation

1/4" = 1'-0"



Right Side Elevation

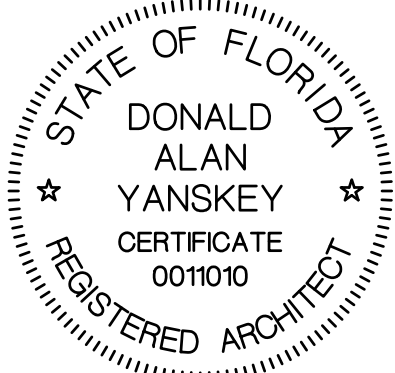
1/4" = 1'-0"

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 R905.1.1.

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 Plan, 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.

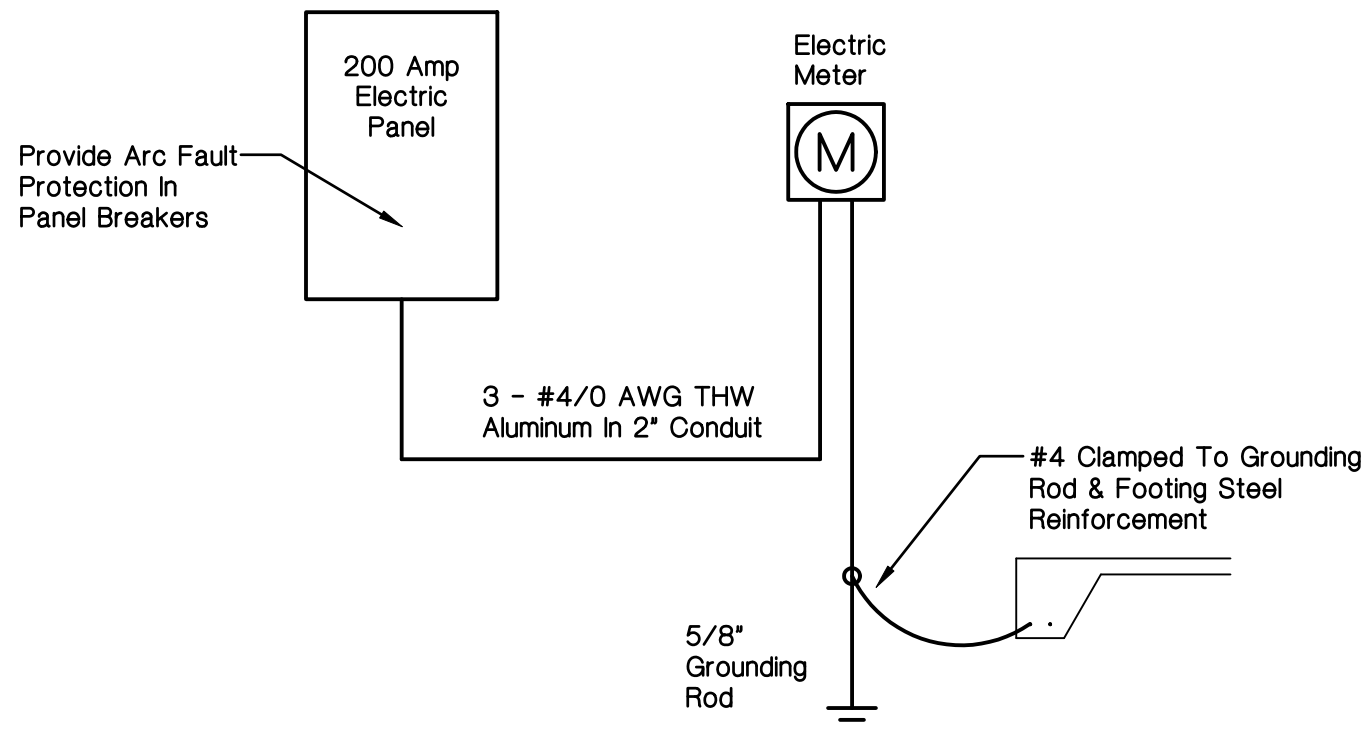
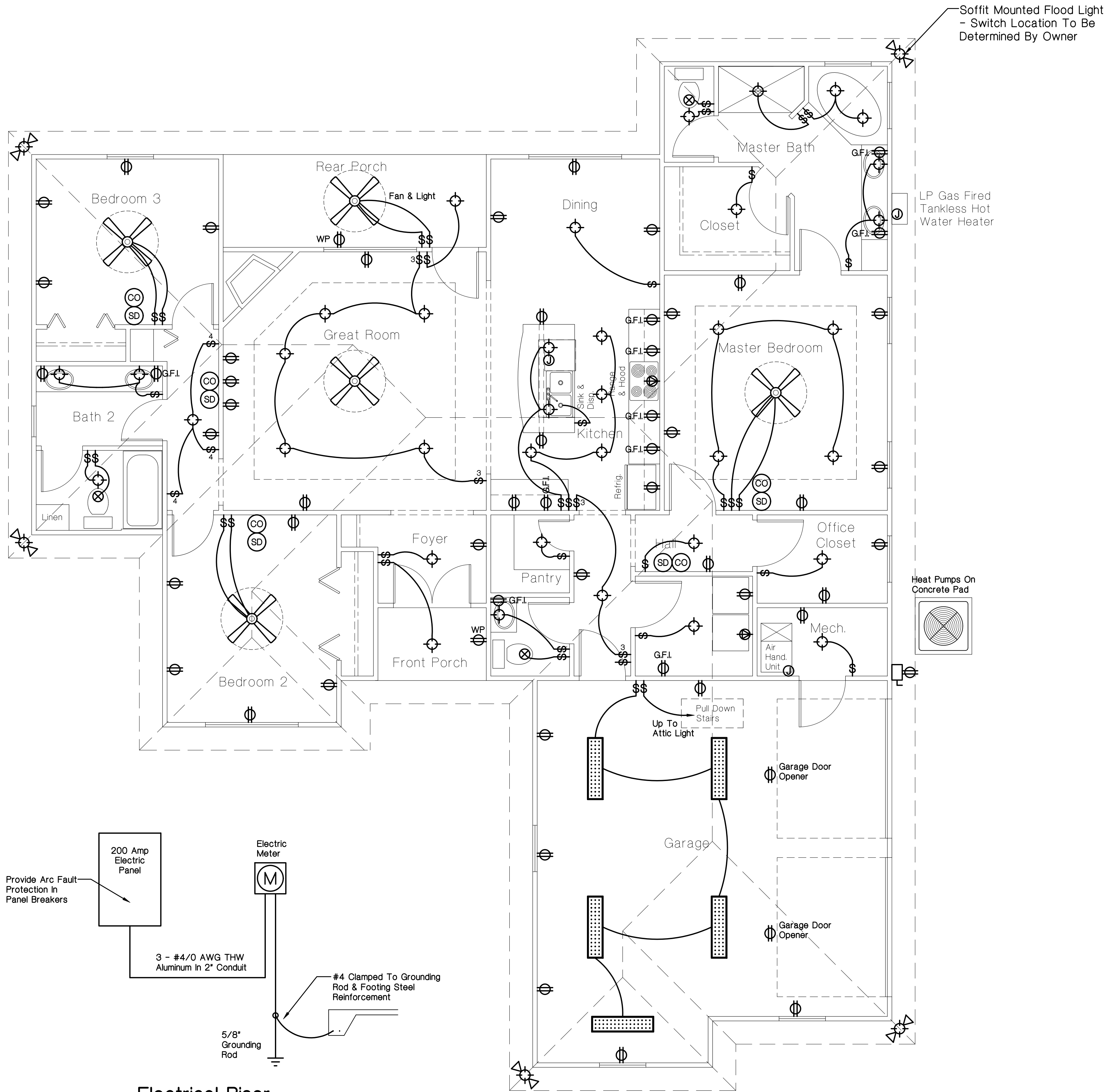


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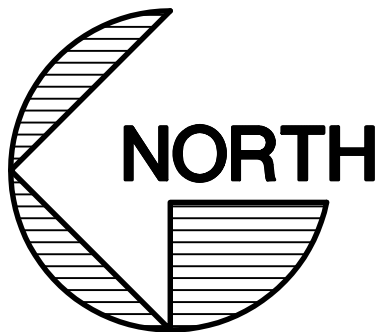
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Electrical Riser
No Scale

Electrical Floor Plan

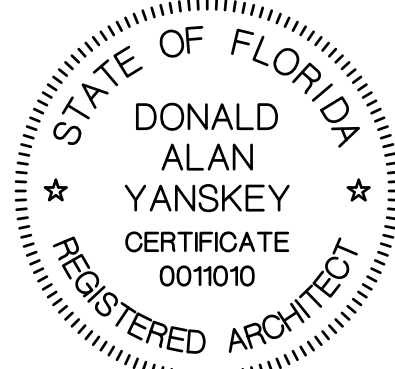
1/4" = 1'-0"



2020 Florida Building Code 7th Edition, Residential Table R402.4.1.1 Air Barrier And Insulation Inspection Component Criteria		
Component	Air Barrier Criteria	Insulation Installation Criteria
General Requirements	A Continuous Air Barrier Shall Be Installed In The Building Envelope. The Exterior Thermal Envelope Contains A Continuous Air Barrier. Breaks Or Joints In The Air Barrier Shall Be Sealed.	Air-Permeable Insulation Shall Not Be Used As A Sealing Material.
Ceiling / Attic	The Air Barrier In Any Dropped Ceiling / Soffit Shall Be Aligned With The Insulation And Any Gaps In The Air Barrier Shall Be Sealed. Access Openings, Drop Down Stairs Or Knee Wall Doors To Unconditioned Attic Spaces Shall Be Sealed.	The Insulation In Any Dropped Ceiling / Soffit Shall Be Aligned With The Air Barrier.
Walls	The Junction Of The Foundation And Sill Plate Shall Be Sealed. The Junction Of The Top Plate And The Top Of Exterior Walls Shall Be Sealed. Knee Walls Shall Be Sealed.	Cavities Within Corners And Headers Of Frame Walls Shall Be Insulated By Completely Filling The Cavity With A Material Having A Thermal Resistance Of R-3 Per Inch Minimum. Exterior Thermal Envelope Insulation For Framed Walls Shall Be Installed In Substantial Contact And Continuous Alignment With The Air Barrier.
Windows, Skylights And Doors	The Space Between Window / Door Jamb And Framing, And Skylights And Framing Shall Be Sealed.	
Rim Joist	Rim Joist Shall Include The Air Barrier.	Rim Joist Shall Be Insulated.
Floors (Including Above Garage And Cantilevered Floors)	The Air Barrier Shall Be Installed At Any Exposed Edge Of Insulation.	Floor Framing Cavity Insulation Shall Be Installed To Maintain Permanent Contact With The Underside Of Subfloor Decking. Or Floor Framing Cavity Insulation Shall Be Permitted To Be In Contact With The Top Side Of Sheathing, Or Continuous Insulation Installed On The Underside Of Floor Framing And Extends From The Bottom To The Top Of All Perimeter Floor Framing Members.
Crawl Space Walls	Exposed Earth In Unvented Crawl Spaces Shall Be Covered With A Class 1 Vapor Retarder With Overlapping Joints Taped.	Where Provided Instead Of Floor Insulation, insulation Shall Be Permanently Attached To The Crawspace Walls.
Shafts, Penetrations	Duct Shafts, Utility Penetrations, And Flue Shafts Opening To Exterior Or Unconditioned Space Shall Be Sealed.	
Narrow Cavities		Batts In Narrow Cavities Shall Be Cut To Fit, Or Narrow Cavities Shall Be Filled By Insulation That On Installation Readily Conforms To The Available Cavity Spaces.
Garage Separation	Air Sealing Shall Be Provided Between The Garage And Conditioned Spaces.	
Recessed Lighting	Recessed Light Fixtures Installed In The Building Thermal Envelope Shall Be Sealed To The Drywall.	Recessed Light Fixtures Installed In The Building Thermal Envelope Shall Be Air Tight And IC Rated.
Plumbing And Wiring		Batt Insulation Shall Be Cut Neatly To Fit Around Wiring And Plumbing In Exterior Walls, Or Insulation That On Installation Readily Conforms To Available Space Shall Extend Behind Piping And Wiring.
Shower / Tub On Exterior Wall	The Air Barrier Installed At Exterior Walls Adjacent To Showers And Tubs Shall Separate Them From The Showers And Tubs.	Exterior Walls Adjacent To Showers And Tubs Shall Be Insulated.
Electrical / Phone Box On Exterior Walls	The Air Barrier Shall Be Installed Behind Electrical Or Communication Boxes Or Air-Sealed Boxes Shall Be Installed.	
HVAC Register Boots	HVAC Register Boots That Penetrate Building Thermal Envelope Shall Be Sealed To The Sub-Floor Or Drywall.	
Concealed Sprinklers	When Required To Be Sealed, Concealed Fire Sprinklers Shall Only Be Sealed In A Manner That Is Recommended By The Manufacturer. Caulking Or Other Adhesive Sealants Shall Not Be Used To Fill Voids Between The Fire Sprinkler Cover Plates And Walls Or Ceilings.	
* In Addition, Inspection Of Log Walls Shall Be In Accordance With The Provisions Of ICC-400.		
Testing: 1. The Building Or Dwelling Unit Shall Be Tested And Verified As Having An Air Leakage Rate Not Exceeding 5 Air Changes Per Hour In Climate Zones 1 And 2, And 3 Air Changes Per Hour In Climate Zones 3 Thru 8. Testing Shall Be Conducted With A Blower Door At A Pressure Of 0.2 Inches wg. (50 Pascals). Where Required By The Code Official, Testing Shall Be Conducted By An Approved Third Party. A Written Report Of The Results Of The Test Shall Be Signed By The Party Conducting The Test And Provided To The Code Official. Testing Shall Be Performed At Any Time After Creation Of All Penetrations Of The Building Thermal Envelope. a. Exterior Windows And Doors, Fireplace And Stove Doors Shall Be Closed, But Not Sealed, Beyond The Intended Weatherstripping Or Other Infiltration Control Measures. b. Dampers Including Exhaust, Intake, Makeup Air, Backdraft And Flue Dampers Shall Be Closed, But Not Sealed Beyond Intended Infiltration Control Measures. c. Interior Doors, If Installed At The Time Of The Test, Shall Be Open. d. Exterior Doors For Continuous Ventilation Systems And Heat Recovery Ventilators Shall Be Closed And Sealed. e. Heating And Cooling Systems, If Installed At The Time Of The Test, Shall Be Turned Off; And f. Supply And Return Registers, If Installed At The Time Of The Test, Shall Be Fully Open. 2. New Wood-Burning Fireplaces Shall Have Tight-Fitting Flue Dampers And Outdoor Combustion Air. 3. Windows, Skylights And Sliding Glass Doors Shall Have An Air Infiltration Rate Of No More Than 0.3 CFM Per Square Foot, And Swinging Doors No More Than 0.5 CFM Per Square Foot, When Tested According To NFRC 400 or AAMA/WDMA/CSA 101/IS2/A440 By An Accredited, Independent Laboratory And Listed And Labeled By The Manufacturer. Exception: Site-Built Windows, Skylights And Doors. 4. Recessed Luminaires Installed In The Building Thermal Envelope Shall Be Sealed To Limit Air Leakage Between Conditioned And Unconditioned Spaces. All Recessed Luminaires Shall Be IC-Rated And Labeled As Having An Air Leakage Rate Not More Than 2.0 CFM When Tested In Accordance With ASTM E 283 At A 157 PSF Pressure Differential. All Recessed Luminaires Shall Be Sealed With A Gasket Or Caulk Between The Housing And The Interior Wall Or Ceiling Covering.		

Electrical Note:

- All Electrical Work Shall Be In Strict Accordance With NFPA 70, The National Electrical Code, 2017.
- The Electrical Contractor Shall Coordinate With The Owner The Exact Location Of All Receptacles, Light Fixtures, Switches, Equipment And All Other Electrical Devices.
- The Electrical Contractor Shall Verify The Cable Size Required For All Applications Herein.



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