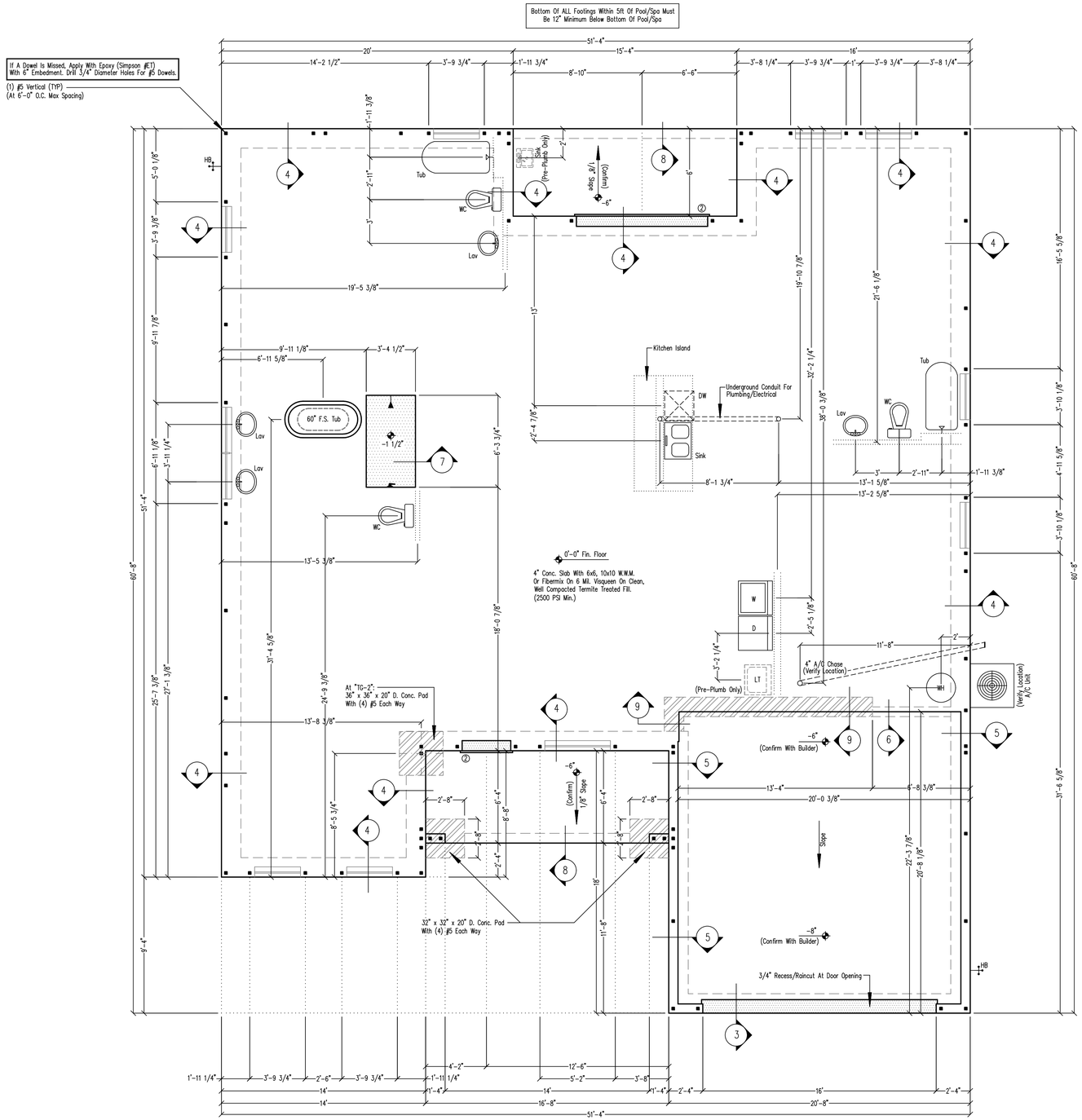


Foundation Plan

D. S. CHEHAL LICENSE No. 79118 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been electronically signed and sealed by D.S. Chehal, P.E. using a digital signature. Printed Copies of this document are not considered Signed & Sealed and the Signature must be verified on any electronic copies.

Digitally signed by 013d50b7-4e64-4c0e-97ff-0025f65ae3d5
Date: 2026.08.30 21:28:44 -04'00'

Notes

② 1 1/2" Door Threshold Extension (TYP) And 3/4" Recess/Raincut At Openings (Confirm Door Rough Opening)

Footings Have Been Designed For A Soil Bearing Pressure Of 2000 PSF.

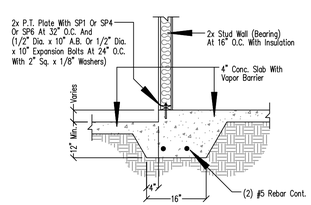
If A Dowel Is Missing, Apply With Epoxy (Simpson #ET) With 6" Embedment. Drill 3/4" Dia. Holes For #5 Dowels.

Notes

Builder/Contractor To Verify All Dimensions And Elevations Prior To Construction & Truss Manufacture.

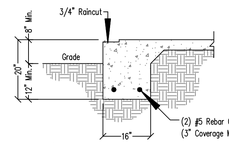
Verify All Slab Heights With Builder Prior To Construction.

Coordinate All Footings With Truss Layout And Framing Plan.

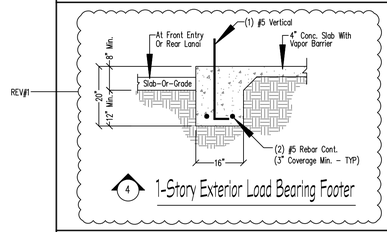


9 Step Load Bearing (1 Story)

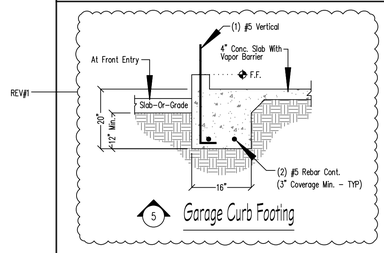
Footing Details



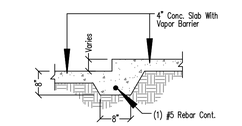
3 Garage Door Footing



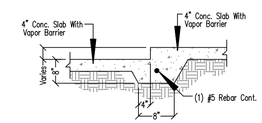
4 1-Story Exterior Load Bearing Footer



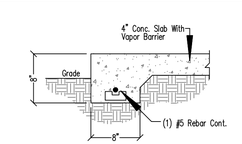
5 Garage Curb Footing



6 Step Non-Load Bearing



7 Shower Recess Step Footing



8 8" Monolithic Thickened Edge

NOTE: ALL CONTRACTORS TO COMPLY WITH ALL CURRENT AND APPLICABLE CODES

BUILDER:

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Marion County Building Department
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Permit #: BLDR-26-07-19613
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Shown A. Danjou
407.435.6959
DanjouDesigns@Outlook.com

STRUCTURAL ENGINEER:

D.S. "Vinder" Chehal
Licensed Professional Engineer
P.O. Box 915942
Longwood, FL 32791
(407) 227-7368
PE 79118

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2. Risk Category 2
   Construction Type = Single Family Residential (TYPE VB)
3. Wind Exposure: Category C
4. Internal Pressure Coefficient For Enclosed Building Is .18
   And Height & Exposure Adjustment Coefficient Is 1.40

Revisions

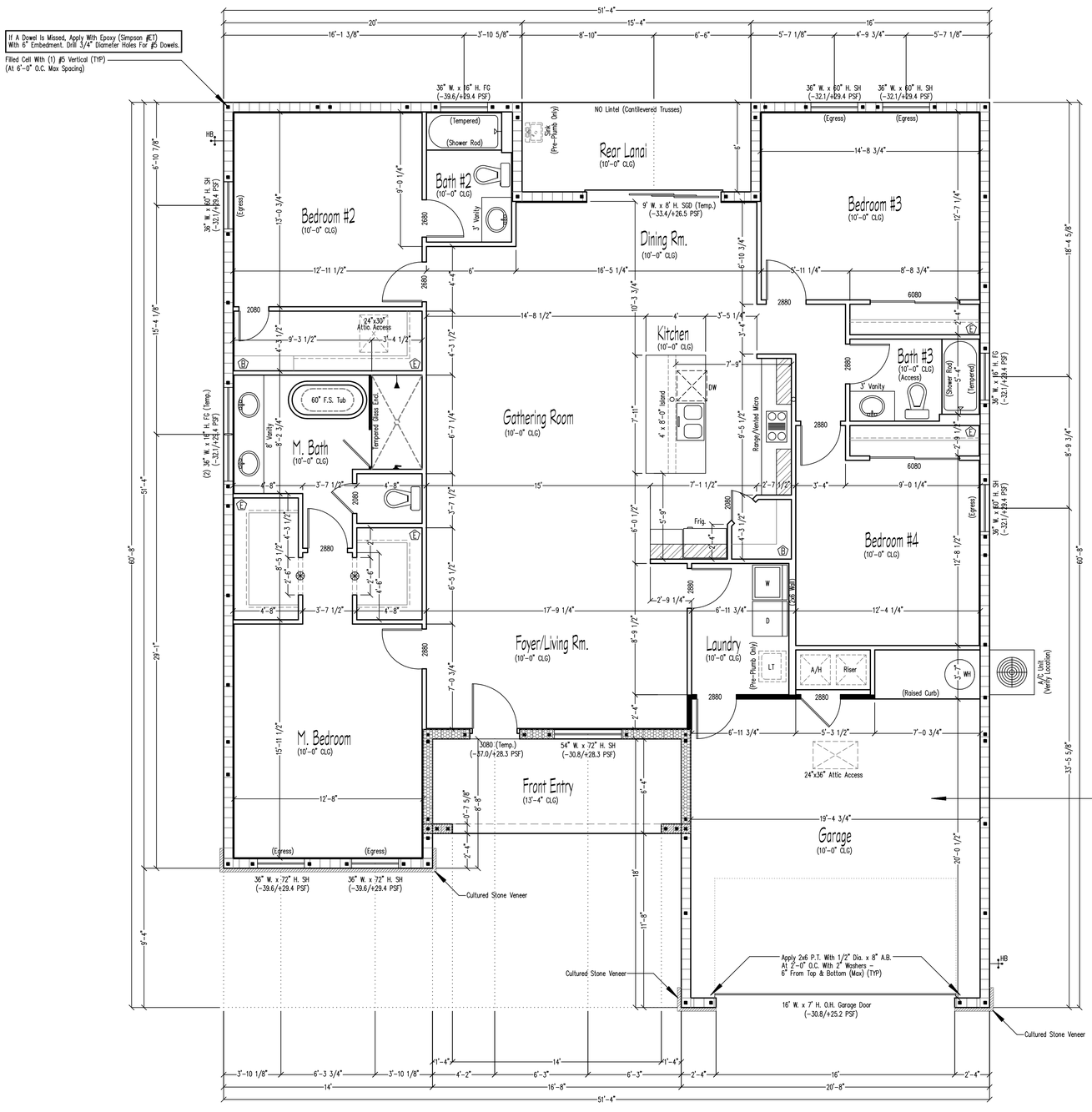
REV#1: 08.24.26 County Comments

The "Milano" Model
(Lot 4, Block 165, Unit One)

PROJECT: Custom Home
LOCATION: 14065 Southwest 48th Ave Road, Ocala, FL 34473
(PARCEL ID#: 8001-0165-04) REV#1
CUSTOMER:

JOB: 8001-0165-04
DATE: 12.01.2025
SCALE: 1/4"=1'-0"

SHEET: A1 OF: 9



Closet Shelving Legend

	Wire/Wood Shelving
(A)	12" D. Rod And Shelf @ 68" H
(B)	5 Shelves, 12" D., 13" Spacing
(C)	5 Shelves, 16" D., 13" Spacing
(D)	Use Wood
(E)	12" D. Rod And Shelf @ 68" H.
(F)	12" D. R And S @ 42" & 84" H.

Live Loads Per FBC R301 & Table R301.5

A. Unihabitable Attic Without Storage = 10 PSF
B. Unihabitable Attic With Limited Storage = 20 PSF
C. Habitable Attics And Attics Served With Fixed Stairs = 30 PSF
D. Balconies And Decks (Exterior) = 40 PSF
E. Fire Escapes = 40 PSF
F. Guardrails And Handrails = 200 LBS
G. Guardrails In-Fill Components = 50 LBS
H. Passenger Vehicle Garages = 50 PSF
I. Rooms Other Than Sleeping Rooms = 40 PSF
J. Sleeping Rooms = 30 PSF
K. Stairs = 40 PSF

ALL Windows/Glazing To Meet U-Factor Less Than Or Equal To (0.4) & SHGC (0.25)

General Lumber Notes

1. All Lumber to be Southern Yellow Pine #2 with maximum content of moisture 19%. Exterior Lumber to be Pressure Treated. Studs May Be Spruce #2.
2. Provide Vapor Barrier Between All Non Pressure Treated Lumber And Concrete.
3. ALL Wood In Contact With The Ground And That Supports Permanent Structures Intended For Human Occupancy Shall Be Approved Preservative Treated Wood, FBC R317.1.2

Notes

- Flat Pass-Thru's At 12" Below Ceiling
- Pocket Door Frames To Set On 1x4 P.T.
- Doors With Glass (French Doors And SGD's) To Have Tempered Glass.
- All Window And Door Rough Openings To Be Provided By Builder For Masons And Framers To Use.

= Interior Load Bearing Walls

= Build CMU Up To 10'-0" And Frame Kneewall Up To 13'-4" Truss Bearing (See Kneewall Detail On Sheet A9)

= Build CMU Up To 13'-4" Truss Bearing (Bottom Of P.C. Lintel At 11'-4", Top At 13'-4")

Areas

Living (Heat & Air)	2,123 S.F.
Garage	468 S.F.
Front Entry	105 S.F.
Rear Lanai	92 S.F.
Total	2,788 S.F.

Building Area Square Footage Calculations Are Done By The Architect/Designer. D.S. Vinder Chehal, PE. Will Bear No Responsibility For Accuracy. Builder/Owner To Verify That The Calculations Are Correct.

NOTES:
1. Verify All Heights With Builder Prior To Construction.
2. Builder/Contractor To Verify All Dimensions And Elevations Prior To Construction & Truss Manufacture.
3. Builder/Contractor To Verify All Window/Door Rough Opening Sizes With Window/Door Manufacture Prior To Construction.

NOTE: ALL CONTRACTORS TO COMPLY WITH ALL CURRENT AND APPLICABLE CODES

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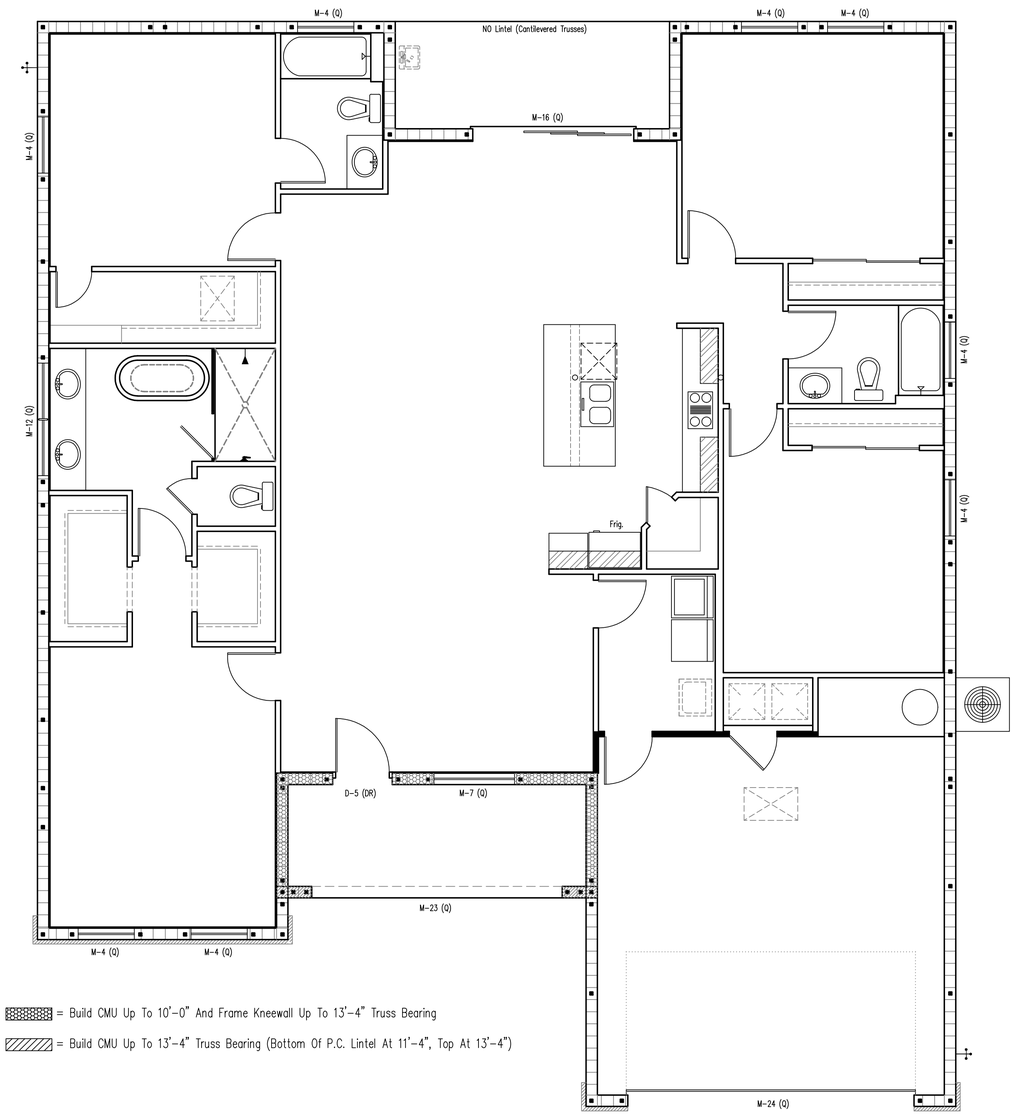
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CUSTOMER:

JOB: 8001-0165-04
DATE: 12.01.2025
SCALE: 1/4"=1'-0"

SHEET: A2 OF: 9

Floor Plan



= Build CMU Up To 10'-0" And Frame Kneewall Up To 13'-4" Truss Bearing

= Build CMU Up To 13'-4" Truss Bearing (Bottom Of P.C. Lintel At 11'-4", Top At 13'-4")

QUALITY PRECAST COMPANY
"STRONG" ON SERVICE
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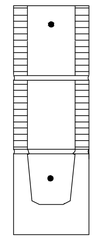
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WEKIWA CONCRETE PRODUCTS FL 1438 - R1

TABLE No. 6
GRAVITY & UPLIFT
SAFE LOADS (PLF)
8" x 24" COMPOSITE LINTELS

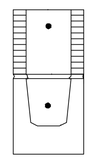
MARK NO.	LINTEL LENGTH	CLEAR SPAN	LINTEL TYPE	GRAVITY SAFE LOAD	
					SOLID #5@12"O.C.
					DETAIL Q
M-1	2'-10"	1'-6"	Precast		10000
M-2	3'-6"	2'-2"	Precast		10000
M-3	4'-0"	2'-8"	Precast		10000
M-4	4'-6"	3'-2"	Precast		10000
M-5	4'-8"	3'-4"	Precast		10000
M-6	5'-4"	4'-0"	Precast		10000
M-7	5'-10"	4'-6"	Precast		10000
M-8	6'-4"	5'-0"	Precast		10000
M-9	6'-6"	5'-2"	Precast		10000
M-10	6'-8"	5'-4"	Precast		9487
M-11	7'-6"	6'-2"	Precast		6416
M-12	7'-8"	6'-4"	Precast		6024
M-13	8'-0"	6'-8"	Precast		5367
M-14	8'-4"	7'-0"	Precast		4837
M-15	9'-4"	8'-0"	Precast		3726
M-16	10'-6"	9'-2"	Precast		2931
M-17	11'-4"	10'-0"	Precast		2553
M-18	12'-0"	10'-8"	Precast		2305
M-19	12'-6"	11'-2"	Precast		2147
M-20	13'-4"	12'-0"	Precast		1926
M-21	14'-0"	12'-8"	Precast		1778
M-22	14'-8"	13'-4"	Prestressed		1779
M-23	15'-4"	14'-0"	Prestressed		1660
M-24	17'-4"	16'-0"	Prestressed		1379
M-25	19'-4"	18'-0"	Prestressed		1177
M-26	20'-0"	18'-8"	Prestressed		1122
M-27	21'-4"	20'-0"	Prestressed		1024
M-28	22'-0"	20'-8"	Prestressed		981
M-29	24'-0"	22'-8"	Prestressed		870



DETAIL "Q"

TABLE No. 4
GRAVITY & UPLIFT
SAFE LOADS (PLF)
8" x 16" COMPOSITE LINTELS

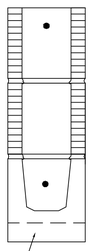
MARK NO.	LINTEL LENGTH	CLEAR SPAN	LINTEL TYPE		GRAVITY SAFE LOAD	
						SOLID #5@12"O.C.
						DETAIL J
M-1	2'-10"	1'-6"	Precast			10000
M-2	3'-6"	2'-2"	Precast			10000
M-3	4'-0"	2'-8"	Precast			10000
M-4	4'-6"	3'-2"	Precast			9167
M-5	4'-8"	3'-4"	Precast			8414
M-6	5'-4"	4'-0"	Precast			6437
M-7	5'-10"	4'-6"	Precast			5815
M-8	6'-4"	5'-0"	Precast			4178
M-9	6'-6"	5'-2"	Precast			3934
M-10	6'-8"	5'-4"	Precast			3719
M-11	7'-6"	6'-2"	Precast			2917
M-12	7'-8"	6'-4"	Precast			2786
M-13	8'-0"	6'-8"	Precast			2581
M-14	8'-4"	7'-0"	Precast			2396
M-15	9'-4"	8'-0"	Precast			1989
M-16	10'-6"	9'-2"	Precast			1627
M-17	11'-4"	10'-0"	Precast			1455
M-18	12'-0"	10'-8"	Precast			1335
M-19	12'-6"	11'-2"	Precast			1251
M-20	13'-4"	12'-0"	Precast			1144
M-21	14'-0"	12'-8"	Precast			1066
M-22	14'-8"	13'-4"	Prestressed			1234
M-23	15'-4"	14'-0"	Prestressed			1160
M-24	17'-4"	16'-0"	Prestressed			982
M-25	19'-4"	18'-0"	Prestressed			849
M-26	20'-0"	18'-8"	Prestressed			812
M-27	21'-4"	20'-0"	Prestressed			746
M-28	22'-0"	20'-8"	Prestressed			717
M-29	24'-0"	22'-8"	Prestressed			640



DETAIL "J"

TABLE No. 15
GRAVITY & UPLIFT SAFE LOADS (PLF)
8" x 24" RECESS DOOR HEADER

MARK NO.	TOTAL LENGTH	CLEAR SPAN	DOOR SIZE	LINTEL TYPE	GRAVITY SAFE LOAD	
						SOLID #5@12"O.C.
						DETAIL DR
D-1	3'-8"	2'-4"	2'-0"	Precast		10000
D-2	4'-0"	2'-8"	2'-4"	Precast		10000
D-3	4'-2"	2'-10"	2'-6"	Precast		10000
D-4	4'-4"	3'-0"	2'-8"	Precast		10000
D-5	4'-8"	3'-4"	3'-0"	Precast		10000
D-6	5'-8"	4'-4"	4'-0"	Precast		10000
D-7	6'-8"	5'-4"	5'-0"	Precast		7053
D-8	7'-8"	6'-4"	6'-0"	Precast		4743
D-9	9'-8"	8'-4"	8'-0"	Precast		2848



DETAIL "DR"

NOTE: Specified Composite Lintel Depth Is The Minimum Acceptable. Any Extra Courses Of Block Above Lintel Are Acceptable, As Long As All Courses Above P.C. Lintel Are Filled With Grout. However, If Total Composite Lintel Exceeds 48" Depth, Apply U-Block Lintel With (1) #5 Each Additional 24" Height.

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Lintel Plan

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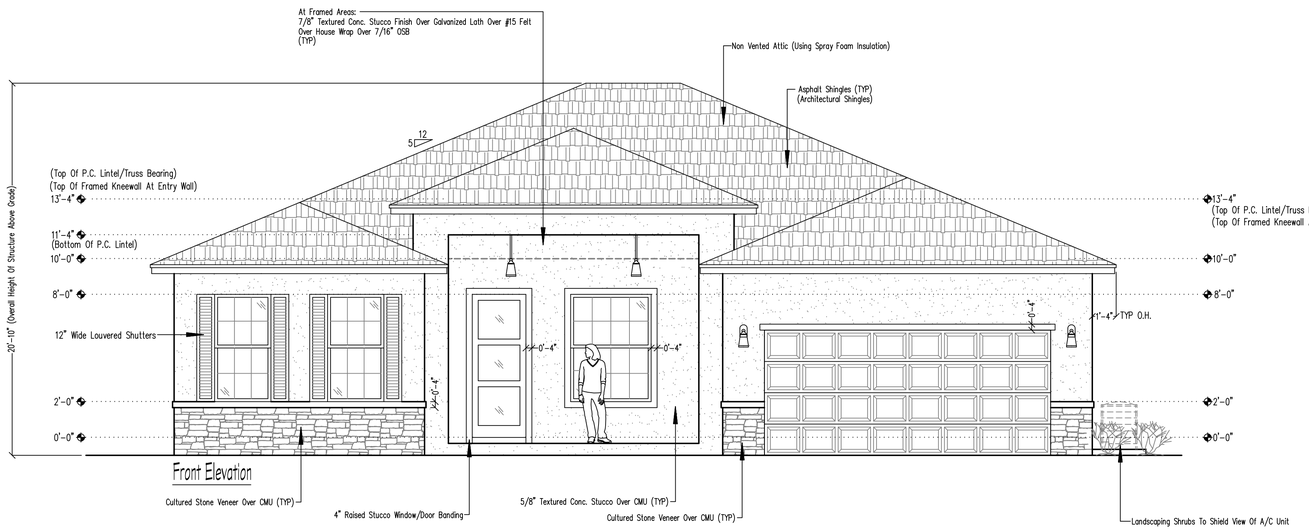
Revisions

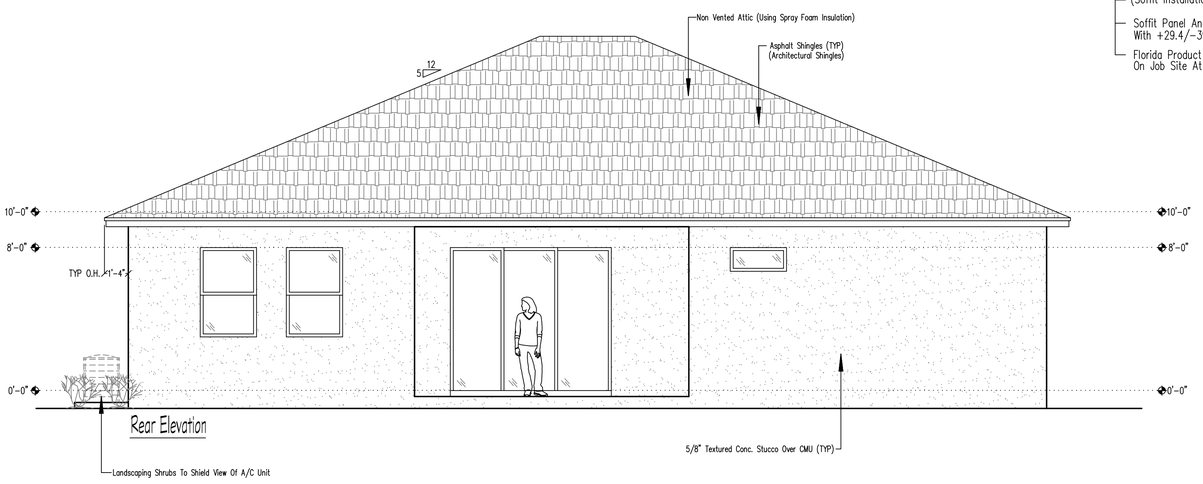
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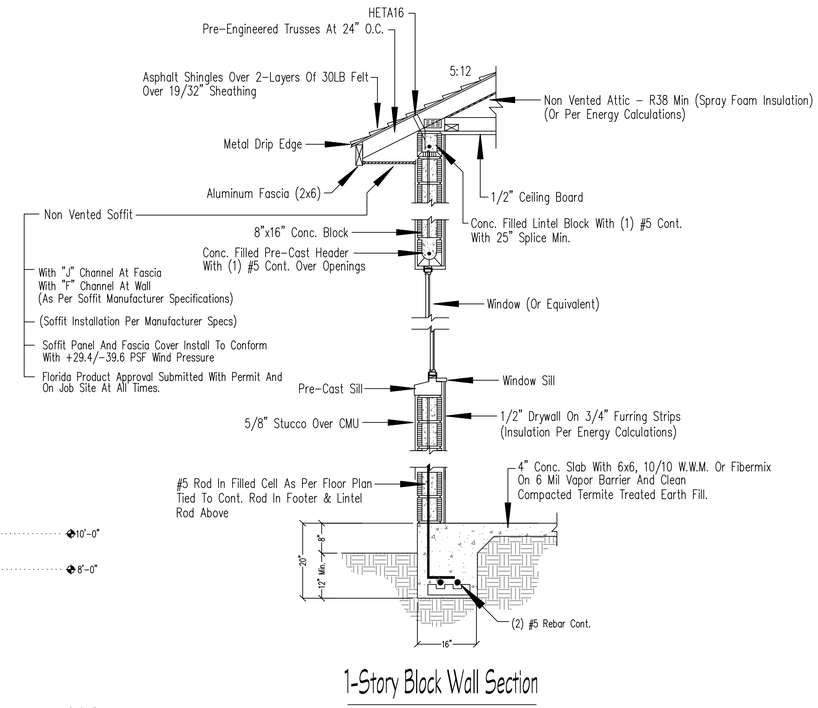
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SHEET: A3 OF: 9







1-Story Block Wall Section

Front & Rear Elevations

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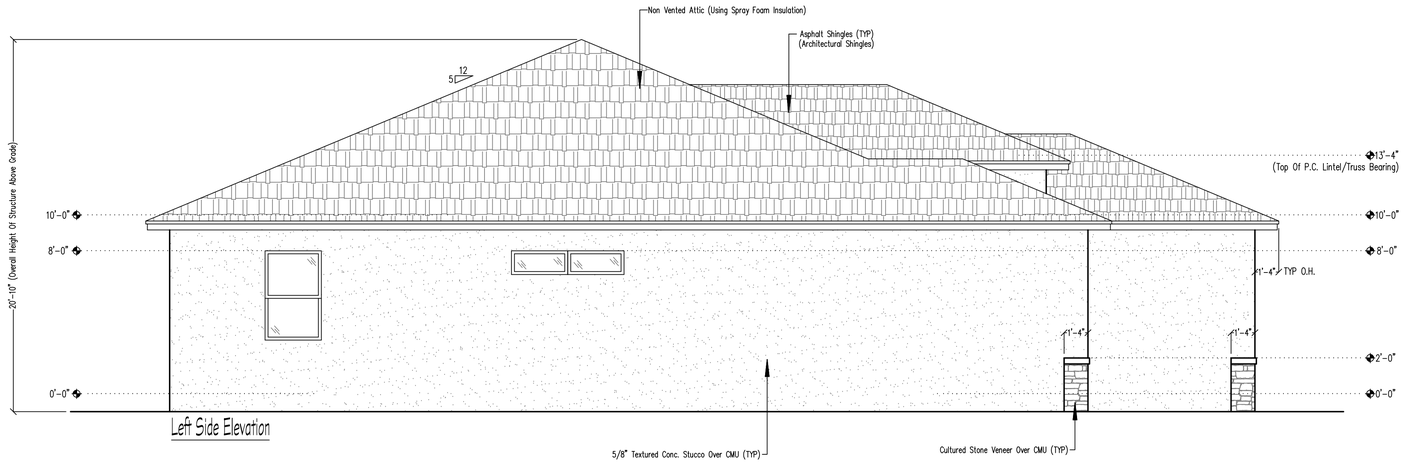
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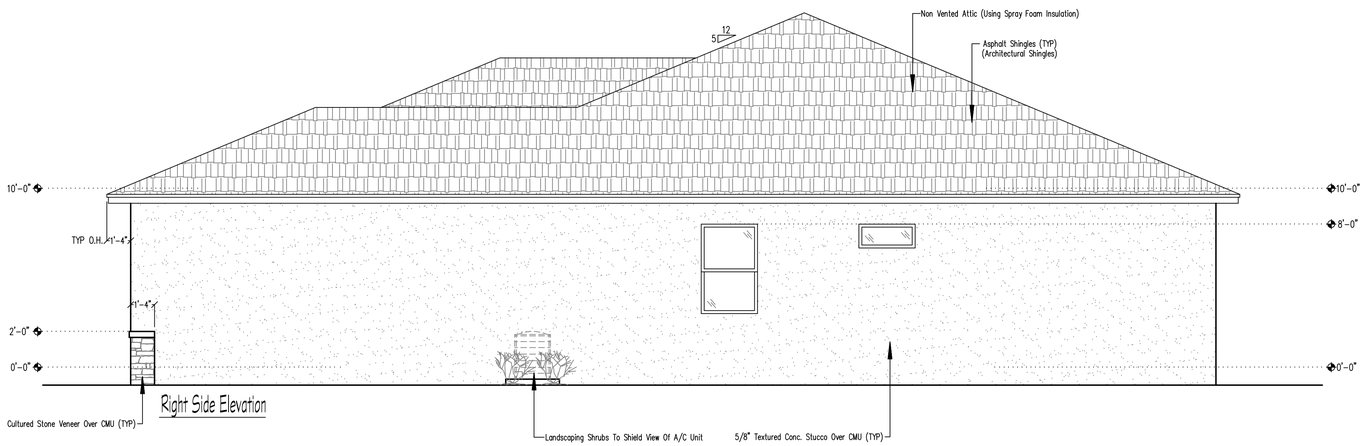
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SHEET: A4 OF: 9



Left Side Elevation



Right Side Elevation

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Side Elevations

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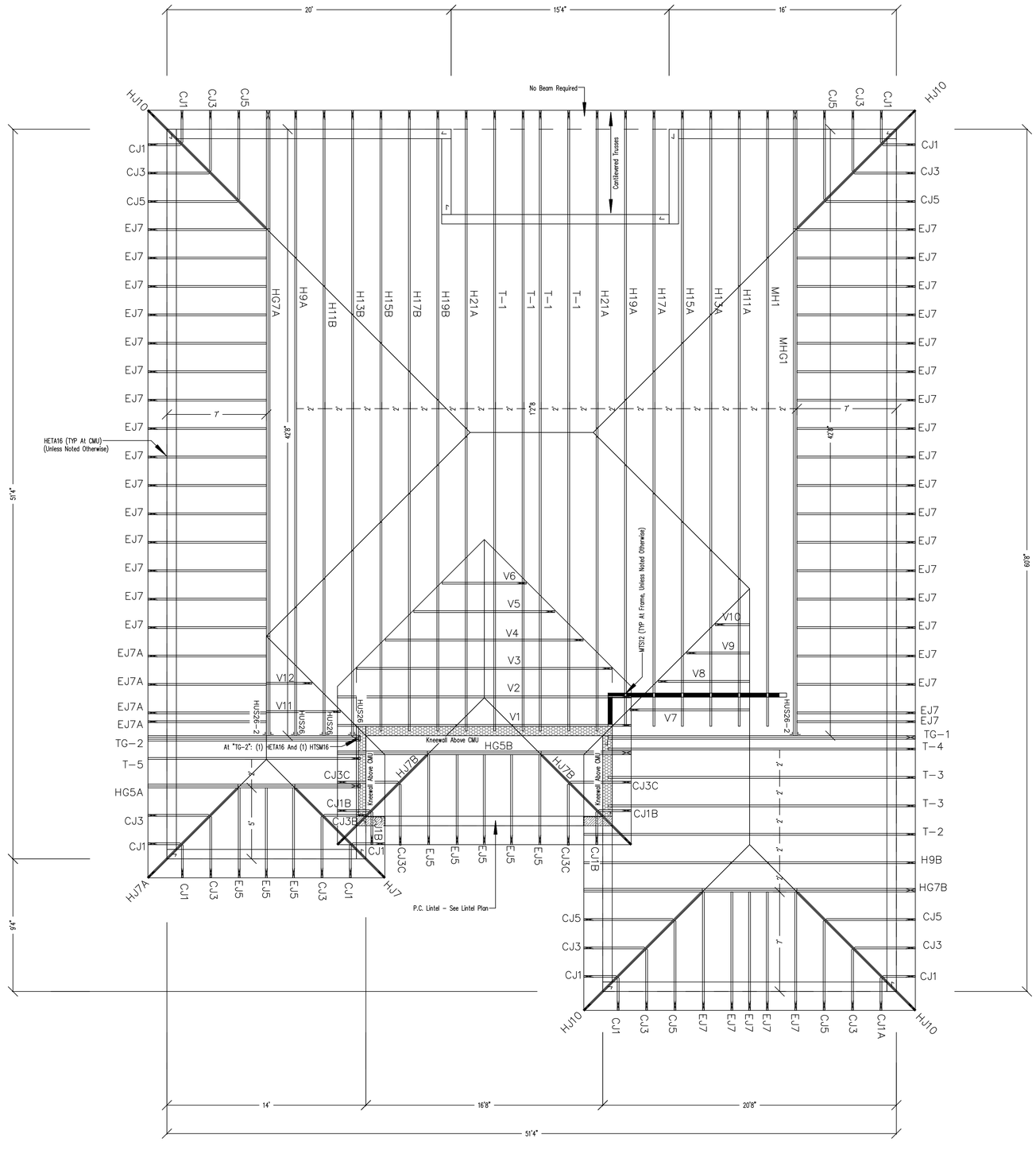
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CUSTOMER:

JOB: 8001-0165-04
DATE: 12.01.2025
SCALE: 1/4"=1'-0"

SHEET: A5 OF: 9



Unless Noted Otherwise (U.N.O.):

1. Use HETA16 CMU To Trusses, Joists And Beams
2. Use LSTA30 Or HTS20 Frame To Joist And Beams
3. Use MTS12 Frame To Trusses.
4. Use HUS26 As 1 Ply Hanger And HGUS26-2 As 2 Ply Hanger.
5. Under Girders & Beams, Apply Minimum Same Number Of Studs As The Number Of Plies In Girder Or Beams.
6. All Exterior Walls To Be Treated As Bearing Walls.
7. If A Lintel Strap Is Missed, Apply (1) HTSM16 With (4) 1/4" x 2 1/4"' Tapcons For 1,100 LBS. Uplift And (2) HTSM16 For 2,200 LBS. Uplift.
8. MSTA36 And HTS20 May Be Interchanged.
9. All Ganged (Multiple) Studs To Have SP4. Also SP4 May Be Used In Lieu Of SP1 & SP2.
10. Provide HIP Roof Deck Support Per APA Guidelines.

*HTT4, HTT5, MGT with 5/8" Diamenter A.B. With 6" Embedment All Strapping Hardware To PT Lumber To Be Galvanized.

Design Requirements:

1. Live Loads For Floors, Decks, And Stairs Is 40 PSF
2. Live Loads For Roof Is 20 PSF
3. Live Loads For Balconies Is 60 PSF.

TRUSS DIRECT

Truss Direct: (689) 286.2950
JOB NUMBER: TD25-0707

LOADING CRITERIA	
TOP CHORD LIVE LOAD	20 P.S.F.
TOP CHORD DEAD LOAD	10 P.S.F.
BOTTOM CHORD LIVE LOAD	0 P.S.F.
BOTTOM CHORD DEAD LOAD	10 P.S.F.
TOTAL LOAD	40 P.S.F.
DURATION FACTOR	1.15
WIND STANDARD	ASCE 7-22
WIND SPEED	140 MPH
BUILDING EXPOSURE	C
BUILDING TYPE	CLOSED

ALL 3-Ply & 4-Ply Beams To Be Bolted Together With 1/2" Diameter Thru-Bolts At 24" O.C. Staggered

OR

With (3) Rows Of 1/4" x 4.5" SDS At 12" O.C. On Both Sides Of Beam For 3-Ply Beams
With (3) Rows Of 1/4" x 6" SDS At 12" O.C. On Both Sides Of Beam For 4-Ply Beams

ALL LVL's To Be 2.0E Microlam U.N.O.

Notes

Builder/Contractor To Verify All Dimensions And Bearing Heights Prior To Construction And Truss Manufacturing.

= Interior Load Bearing Walls

= Build CMU Up To 10'-0" And Frame Kneewall Up To 13'-4" Truss Bearing (See Kneewall Detail On Sheet A9)

= Build CMU Up To 13'-4" Truss Bearing (Bottom Of P.C. Lintel At 11'-4", Top At 13'-4")

Danjou Designs, LLC. will bear no responsibility for error in Truss/LVL design. The builder and the truss manufacturer are to review truss plans and verify all dimensions, spans, pitches, and quantities before manufacture and shall refer any questions on loading or design to the engineer of record.

D.S. Vinder Chehal, P.E. will bear no responsibility for error in Truss/LVL design or manufacture. The builder and the truss manufacturer are to review truss plans and verify all dimensions, spans, pitches, and quantities before manufacture and shall refer any questions on loading or design to the engineer of record.

Truss Framing Plan

NOTE: ALL CONTRACTORS TO COMPLY WITH ALL CURRENT AND APPLICABLE CODES

BUILDER:

Reviewed for Code Compliance
Marion County Building Department
Plans have not been reviewed for
Mechanical, Electrical, or Plumbing
Permit #: BLDR-26-07-19613
Approval Date: 10/20/2026

BUILDING DESIGNER:

DanJou Designs, LLC
New Construction. Additions.
Shawn A. Danjou
407.435.6959
DanjouDesigns@Outlook.com

STRUCTURAL ENGINEER:

D.S. "Vinder" Chehal
Licensed Professional Engineer
P.O. Box 915942
Longwood, FL 32791
(407) 227-7368
PE 79118

STRUCTURAL NOTES:

This Structure Has Been Designed To Meet Or Exceed The Wind Load Requirements Of The 2023 Florida Building Code Residential 8th Edition Section R301 Design Criteria And Including ASCE 7-22.

1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Risk Category 2
3. Construction Type = Single Family Residential (TYPE VB)
4. Wind Exposure: Category C
5. Internal Pressure Coefficient For Enclosed Building Is .18
6. Ang Height & Exposure Adjustment Coefficient Is 1.40

Revisions

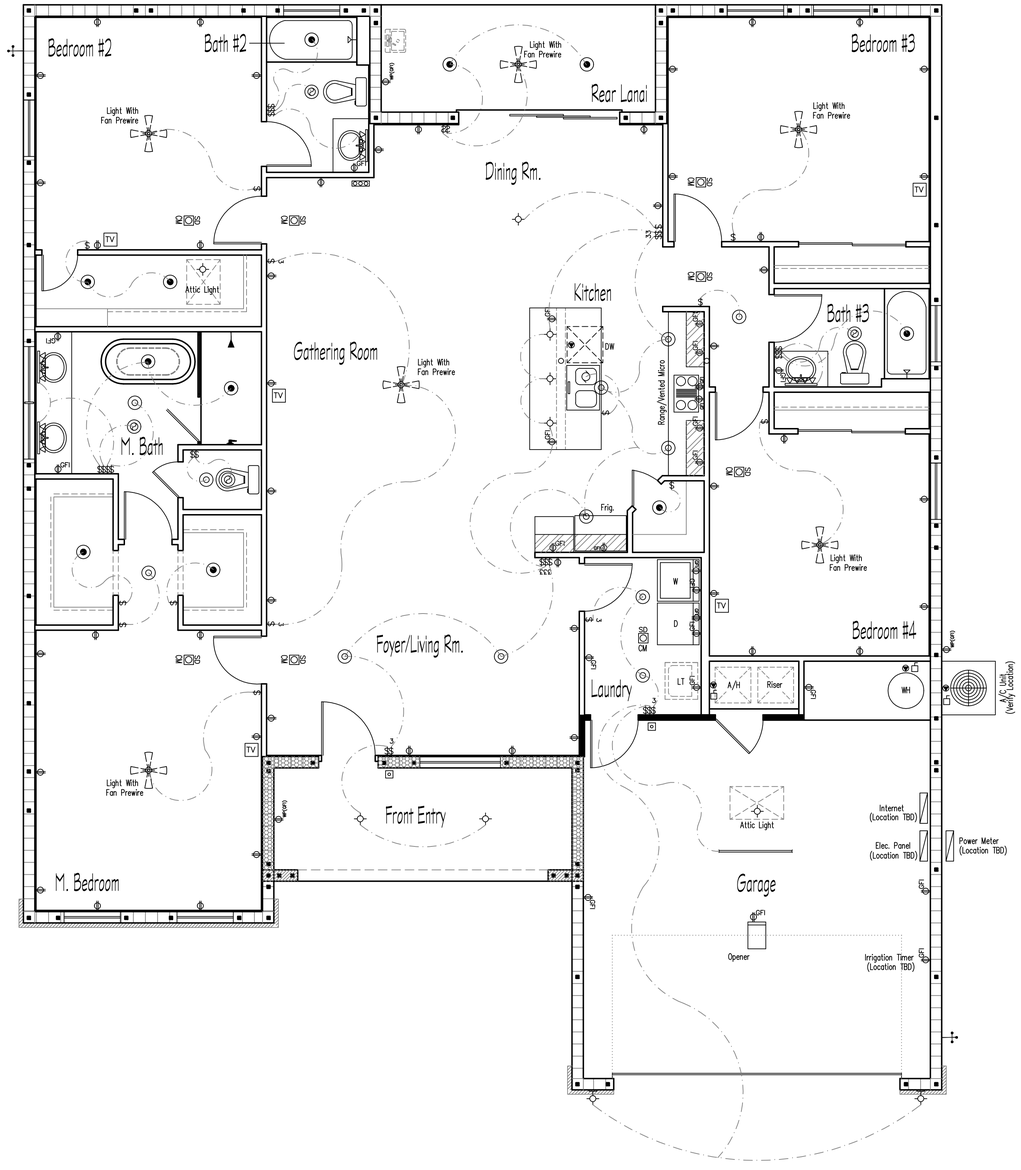
REV#1: 08.24.26 County Comments

The "Milano" Model
(Lot 4, Block 165, Unit One)

PROJECT: Custom Home
LOCATION: 14065 Southwest 48th Ave Road, Ocala, FL 34473
PARCEL ID#: 8001-0165-04 — REV#1
CUSTOMER:

JOB:	8001-0165-04
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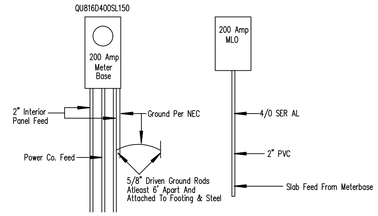
SHEET: A6 OF: 9



Ducts In The Garage And Ducts Penetrating The Walls Or Ceilings Separating The Dwelling From The Garage Shall Be Constructed Of A Minimum No. 26 Gauge Sheet Steel, 1 Inch Minimum Rigid Nonmetallic Class 0 Or Class 1 Duct Board, Or Other Approved Material And Shall Have No Openings Into The Garage. (FBC-RESIDENTIAL 302.5.2)

This Diagramatic Plan Is Intended To Show Lighting And Convienence Outlets Only. D.S. Vinder Chehal Will Bear No Responsibility For Its Accuracy. It Is The Electrical Contractor's Responsibility To Verify The Requirements And Locations Of All Electrical Equipment And Provide And Install Complete Electrical Service As Required. Electrical Contractor To Submit Electrical Plan And Pull Permit As Required.

200 Amp Electrical Riser Diagram



Legend

	Duplex Receptacle Outlet
GFI	G.F.I. Receptacle Outlet
	Duplex Half-Hot Receptacle Outlet
	220 Volt Receptacle Outlet
Exterior	Exterior Weather-Proof Receptacle Outlet
	Floor Receptacle Outlet
	Special Purpose Outlet
	Recessed Can Light (Moisture Resis.)
	Recessed Can Light
	Recessed Can Light (Eyeball Type)
	Wall Mount Light Outlet
	Ceiling Fixture Outlet
	Smoke/Carbon Monoxide Detector
	Garbage Disposal
	Exhaust Fan
	Exhaust Fan With Light
TV	Cable TV Outlet
	Telephone Jack
IC	Intercom System
	Flood Light
	Vanity Lighting
	Flourescent Fixture
	Disconnect Switch
	Panel Box
	Ceiling Fan Prewire
	Door Bell Chime
	Push Button
$	Single Pole Switch
	3-Way Switch
	4-Way Switch

Notes

All Detectors Shall Be Smoke/Carbon Monoxide Combo.

All Non-GFI Outlets To Be On Arc Fault Interrupters And Tamper Proof.

GFI Outlets Outdoors, Garages, Kitchen/Baths, Laundry Rm.

All Electrical Shall Be In Accordance With The 2020 National Electrical Code.

Provide Concrete-Encased Electrode.

A Concrete-Encased Electrode Consisting Of Atleast 20 Feet (6096mm) Of Either Of The Following Shall Be Considered As A Grounding Electrode:
Electrical Equipment And Provide And Install Complete Electrical Service As Required.

1. One Or More Bare Or Zinc Galvanized Or Other Electrically Conductive Coated Steel Reinforcing Bars Or Rods Not Less Than 1/2 Inch (13mm) In Diameter, Installed In One Continuous 20-Foot (6096mm) Length, Or If In Multiple Pieces Connected Together By The Usual Steel Tie Wires, Exothermic Welding, Welding Or Other Effective Means To Create A 20-Foot (6096mm) Or Greater Length.

2. A Bare Copper Conductor Not Smaller Than 4 AWG.
Metallic Components Shall Be Encased By At Least 2 Inches (51mm) Of Concrete And Shall Be Located Horizontally Within That Portion Of A Concrete Foundation Or Footing That Is In Direct Contact With The Earth Or Within Vertical Foundations Or Structural Components Or Members That Are In Direct Contact With The Earth.

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Reviewed for Code Compliance
Marion County Building Department
Plans have not been reviewed for Mechanical, Electrical, or Plumbing
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STRUCTURAL ENGINEER:

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(Lot 4, Block 165, Unit One)

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SHEET: A7 OF: 9

Electrical Plan

- Roof Nailing Pattern:
  - Zone 1: (Field) Use Ring Shank Nails At 4" O.C. Spacing
    (Supported Edges) Use Nails At 4" O.C. Spacing
  - Zone 2: (Field) Use Ring Shank Nails At 6" O.C. Spacing
    (Supported Edges) Use Nails At 6" O.C. Spacing

WHERE THE ROOF SHEATHING THICKNESS IS 15/32 INCHES AND LESS, SHEATHING SHALL BE FASTENED WITH ASTM F1667 RSRS-01 (2-3/8" X 0.113") NAILS. WHERE THE SHEATHING THICKNESS IS GREATER THAN 15/32 INCHES, SHEATHING SHALL BE FASTENED WITH ASTM F1667 RSRS-03 (2-1/2" X 0.131") NAILS OR ASTM F1667 RSRS-04 (3" X 0.120") NAILS. RSRS-01, RSRS-03 AND RSRS-04 ARE RING SHANK NAILS MEETING THE SPECIFICATIONS IN ASTM F1667.

- Exterior Wall Nail Pattern:
  1. Plywood: (Field) Use 8d Nails At 6" O.C. Spacing
     (Edge) Use 8d Nails At 4" O.C. Spacing (Exterior Wall Sheathing)
- 2nd Floor Nailing Pattern:
  Use 8d Nails At 6" O.C. Spacing At Edges (Glue and Nail)
  Use 8d Nails At 8" O.C. At Field (Glue and Nail)
- Gypsum Board Nailing Pattern:
  Use 5d Nails At 7" O.C. Spacing

Nailing Pattern Notes

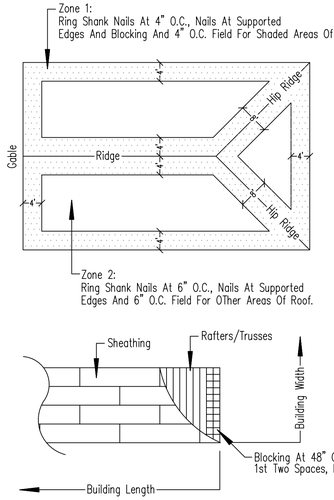
Windows Note:
All Windows To Meet U-Factor (0.4) And SHGC (0.25).

Lath Nailing Note:
All Lath And Lath Attachments Shall Be Of Corrosion-Resistant Materials. Expanded Metal Or Woven Wire Lath Shall Be Attached With 1-1/2in. Long (38mm), 11 Gauge Nails Having A 7/16in. (11.1mm) Head, Or 7/8in. Long (22.2mm), 16 Gauge Staples, Spaced At No More Than 6in. (152mm).

Weep Screeds Note:
A Minimum 0.019in. (0.5mm) (No.26 Galvanized Sheet Gauge), Corrosion-Resistant Weep Screed Or Plastic Weep Screed, With A Minimum Vertical Attachement Flange Of 3-1/2in. (89mm) Shall Be Provided At Or Below The Foundation Plate Line On Exterior Stud Walls In Accordance With ASTM C 926. The Weep Screed Shall Be Placed A Minimum Of 4in. (102mm) Above The Earth Or 2in. (51mm) Above Paved Areas And Shall Be Of A Type That Will Allow Trapped Water To Drain To The Exterior Of The Building. The Weather-Resistant Barrier Shall Lap The Attachment Flange. The Exterior Lath Shall Cover And Terminate On The Attachment Flange Of The Weep Screed.

Water-Resistive Barriers:
Water-Resistive Barriers Shall Be Installed As Required In Section R703.2 And, Where Applied Over Wood-Based Sheathing, Shall Include A Water-Resistive Vapor-Permeable Barrier With A Performance At Least Equivalent To Two Layers Of Grade D Paper. The Individual Layers Shall Be Installed Independently Such As Each Layer Provides Separate Continuous Plane And Any Flashing (Installed In Accordance With Section R703.8) Intended To Drain To The Water-Resistive Barrier Is Directly Between The Layers.

EXCEPTION: Where The Water-Resistive Barrier That Is Applied Over Wood-Based Sheathing Has A Water Resistance Equal To Or Greater Than That Of 60-Minute Grade D Paper And Is Separated From Stucco By An Intervening, Substantially Nonwater-Absorbing Layer Or Designed Drainage Space.

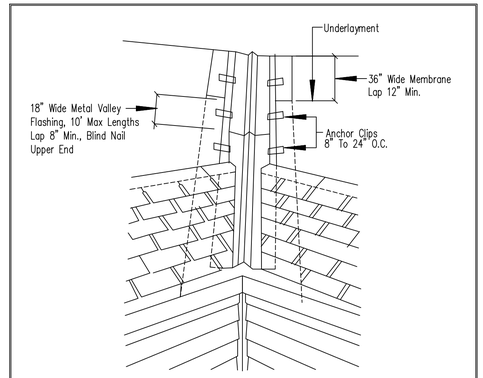


Roof Sheathing Layout

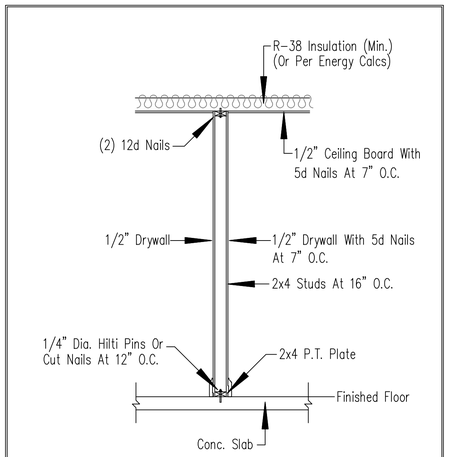
NOTE:
GABLES-DROP GABLE END & (1) ADDITIONAL DROPPED TRUSS 2X4 #2 SYP OUTLOOKER RAFTER WITH BLOCKING @ 16" O.C. IF NO DROPPED GABLE END, ATTACH 2X4 #2 SYP BLOCKING AT 16" O.C. FIRST 4 BAYS WITH (2) 12D NAILS EACH END. ATTACH ROOF SHEATHING TO RAFTERS WITH BLOCKING PER NAILING SCHEDULE.

** ALL Simpson Strapping Is To Be Installed Per Manufacturer Specs & Requirements. **
** ALL Strapping Hardware To PT Lumber To Be Galvanized. **

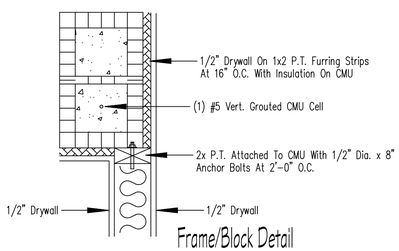
Anchor Bolts:
All Anchor Bolts To Have Minimum 7" Embedment At Sill Plates.



Open Cut Valley Flashing Detail



Typical Section At Non-Bearing Wall



Frame/Block Detail

Limiting Height Of Studs

Size, #2 Grade	O.C. Spacing	Blocking # Of Rows	Max. Ht.
2x4 Spruce Fir	16"	None	8'-0"
2x4 Spruce Fir	16"	One	10'-0"
2x4 Spruce Fir	16"	Two	12'-0"
2x4 Spruce Fir	12"	Three	14'-0"
2x4 Southern Pine	16"	Three	13'-4"
2x4 Southern Pine	12"	Three	15'-0"
2x6 Spruce Fir	16"	None	9'-0"
2x6 Spruce Fir	16"	Two	14'-4"
2x6 Spruce Fir	12"	Three	16'-0"
2x6 Southern Pine	16"	Three	17'-0"
2x6 Southern Pine	12"	Three	19'-8"
2x8 Spruce Fir	16"	Three	18'-0"
2x8 Spruce Fir	12"	Three	21'-0"
2x8 Southern Pine	16"	Three	22'-4"
2x8 Southern Pine	12"	Three	24'-0"

Connector Schedule (Defer To Manuf. Website For Latest Values)

Model #	Fasteners		Uplift (133)
SP1	6-10D	4-10D	585
SP2	6-10D	6-10D	890
SP4	6-10D x 1 1/2"		735
MTS12	14-10D x 1 1/2"		1000
MTS20	14-10D x 1 1/2"		1000
LSTA12	10-10D		805
LSTA24	18-10D		1235
LSTA30	22-10D		1640
LSTA36	26-10D		1640
MSTA36	26-10D		2050
HETA16 (1 PLY)	10-10D x 1 1/2"		1805
HETA16 (2 PLY)	9-16D		1810
HUS26	14-16D	6-16D	1550
HGUS26-2	20-16D	8-16D	2325
FGTR	2- 1/2" x 5" TITEN	18- SDS 1/4" x 3"	5000
HTT16	1- 5/8" x 8" A.B.	18-16D	3480
HTT22	1- 5/8" x 8" A.B.	32- 16D SINKERS	5250
ABU44	1- 5/8" x 8" A.B.	12-16D	2200
ABU66	1- 5/8" x 8" A.B.	12-16D	2300
HTT5	26-16d x 2 1/2"	5/8" A.B.	5090
H2.5A	5-8D	5-8D	415
H3	4-8D	4-8D	455
HTS20	24-10D x 1 1/2"		1450
A35	12-8D x 1 1/2"		450
MGT	1- 5/8" x 8" A.B.	22-10D	3965
SPH4, SPH6, SPH8	12-10D x 1 1/2"		1360
HDQ8	1- 7/8" DIA. A.B.	20-SDS 1/4" x 3"	8325
HGT-3	2- 5/8" DIA. A.B.	16-10D	10530
MBHA	1-ATR 3/4" x 8" (Top/Face)	18-10D	3145
MBHA (H=7 1/4")	1-ATR 3/4" x 8" (Top/Face)	18-10D	1885
HTSM16	4- 1/4" x 2 1/4" TITEN	8-10D	1110
HUC412TF	16- 3/16" x 2 3/4" TITEN	6-10D	1125
MSTAM36	8- 1/4" x 2 1/4" TITEN	13-10D	1870
HUC612TF	16- 3/16" x 2 3/4" TITEN	6-10D	1125
DTC	4-8D	2-8D	

General Foundation Notes

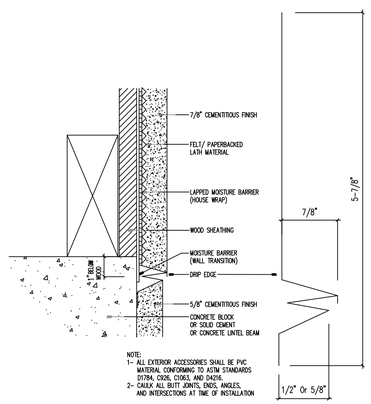
1. All Concrete Slabs Shall Have A Compressive Strength Of Not Less Than 2500 P.S.I. At 28 Days. Slabs Shall Be Reinforced With Fiber Mesh On 6 Mil. Vapor Barrier Over Clean Compacted Termite Treated Fill.
2. Concrete Footings Shall Have A Compressive Strength Of Not Less Than 2500 P.S.I. At 28 Days, Reinforce Footings With #5 Bars As Indicated. All Bars Shall Be Deformed, And Shall Conform To ASTM Designation A305, And Be Clean And Free From Rust And Scale. Splices Shall Overlap Atleast 25" Min., All Rebar To Be Grade 40 With 3" Cov. Min.
3. For Concrete Block Walls Provide Concrete Filled Cells (1) #5 Bar Vertically Cont. From Footing To Tie Beam At All Corners And Where Otherwise Noted As Per Foundation Plan.
4. Extend Slab 1 1/2" at door openings.
5. Extend Slab 1 1/2" and recess 3/4" for sliding glass door tracks.

NOTE: FOOTINGS HAVE BEEN DESIGNED FOR A SOIL BEARING PRESSURE OF 2000 PSF.

NOTE: NO WOOD GRADE STAKES ALLOWED.

General Lumber Notes

1. All Lumber to be Southern Yellow Pine #2 with maximum content of moisture 19%. Exterior Lumber to be Pressure Treated. Studs May Be Spruce #2.
2. Provide Vapor Barrier Between ALL Non Pressure Treated Lumber And Concrete.
3. ALL Wood In Contact With The Ground And That Supports Permanent Structures Intended For Human Occupancy Shall Be Approved Preservative Treated Wood, FBC R317.1.2



Control Bead With Drip Edge - Stucco Details

Conventional Framing Spans

(Max. Span Is 24" O.C.)

Rafter Spans	Ceiling Joists	Floor Joists
2x6 12" O.C. 14'-9" Max. Span	2x4 12" O.C. 9'-5" Max. Span	2x12 12" O.C. 23'-4" Max. Span
2x6 16" O.C. 13'-5" Max. Span	2x4 16" O.C. 8'-7" Max. Span	2x12 16" O.C. 20'-2" Max. Span
2x6 24" O.C. 11'-9" Max. Span	2x4 24" O.C. 7'-3" Max. Span	2x12 24" O.C. 16'-6" Max. Span
2x8 12" O.C. 19'-6" Max. Span	2x6 12" O.C. 14'-9" Max. Span	2x10 12" O.C. 19'-11" Max. Span
2x8 16" O.C. 17'-9" Max. Span	2x6 16" O.C. 12'-11" Max. Span	2x10 16" O.C. 17'-3" Max. Span
2x8 24" O.C. 13'-2" Max. Span	2x6 24" O.C. 10'-6" Max. Span	2x10 24" O.C. 14'-1" Max. Span
2x10 12" O.C. 24'-10" Max. Span	2x8 12" O.C. 19'-2" Max. Span	
2x10 16" O.C. 22'-1" Max. Span	2x8 16" O.C. 16'-7" Max. Span	
2x10 24" O.C. 18'-1" Max. Span	2x8 24" O.C. 13'-7" Max. Span	
2x12 12" O.C. 26'-0" Max. Span	2x10 12" O.C. 22'-9" Max. Span	
2x12 16" O.C. 26'-0" Max. Span	2x10 16" O.C. 19'-9" Max. Span	
2x12 24" O.C. 21'-4" Max. Span	2x10 24" O.C. 16'-1" Max. Span	

NOTE: All Spans Based On #2 Southern Yellow Pine Design Loads Of 20 PSF-Live Loads/10 PSF-Dead Loads

NOTE: It Is The Responsibility Of The Builder To Coordinate The Installation Of All Waterproofing Methods Necessary To Provide A Water Tight Building Envelope. Refer To MFR. Installation Recommendation For All Selected Waterproofing Materials, Flashing, Sealers, And Ad-Mix Components.

Mortar For Use In Masonry Construction Shall Be Either Type M or S With A Fm of 1500 PSI In Accordance With ASTM C 270 And Shall Meet The Proportion Specifications Of Table R607.1 Or The Property Specifications Of ASTM C 270.

General Masonry Construction Shall Be Designed And Constructed in Accordance With The Provisions Of This Section, TMS 403 Or In Accordance With The Provisions Of TMS 402/ACI 530/ASCE 5.

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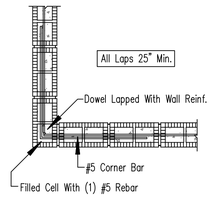
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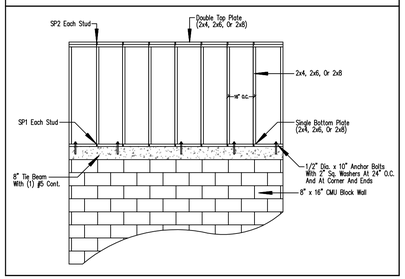
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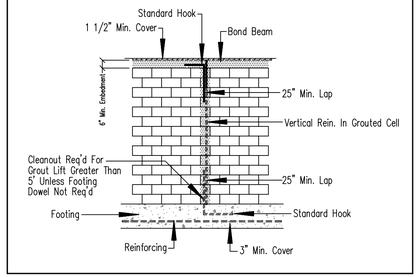
Corner Contiunity Of Bond Beam & Wall Reinforcement

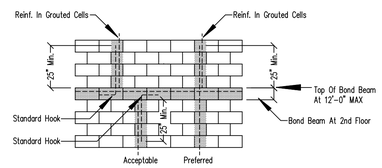


Kneewall - Masonry Wall To Frame



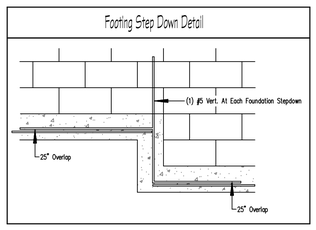
One Story Masonry Wall



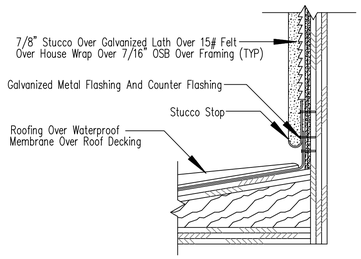


Continuity Of First And Second Floor (Vertical Wall Reinforcement)

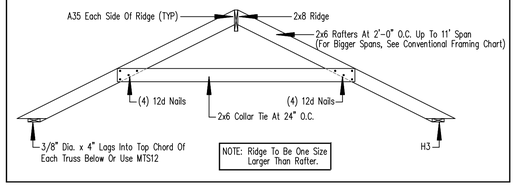
Footing Step Down Detail



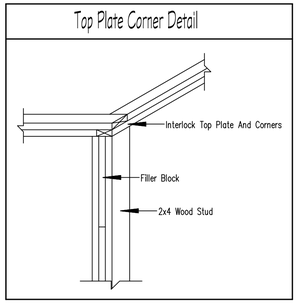
Flashing Detail



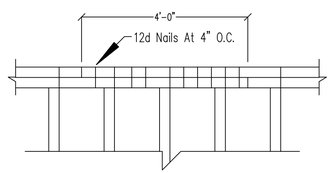
Conventional Framing Valley Detail

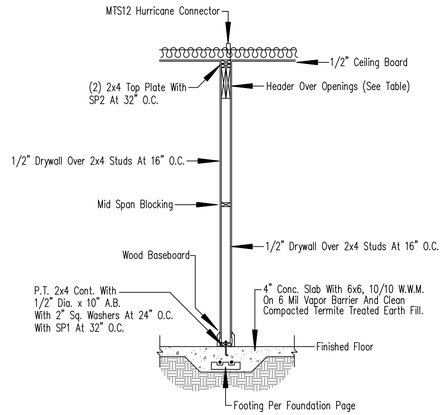


Top Plate Corner Detail

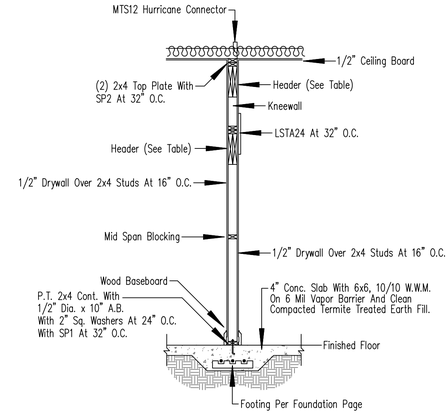


Top Plate Splice Detail

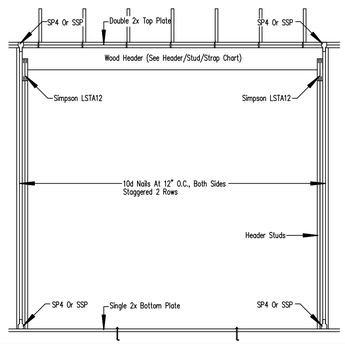




Typical 1-Story Interior Bearing Wall Section



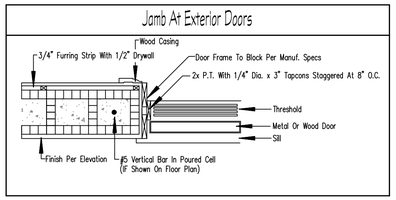
Kneewall At Interior Bearing Wall Detail



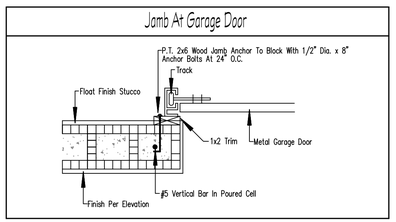
Load Bearing Walls Header/ Stud/ Strap Chart

#2 SYP Header Size	Max. Span	Header (Studs) At Each End	Full Length Studs At Each End	Straps At Each End Of Header
(2) 2x6	5'-1"	1	1	1
(2) 2x8	6'-0"	1	1	1
(2) 2x10	8'-2"	2	2	2
(2) 2x12	9'-8"	2	2	2

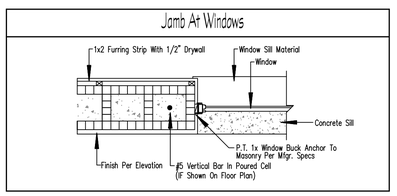
Jamb At Exterior Doors



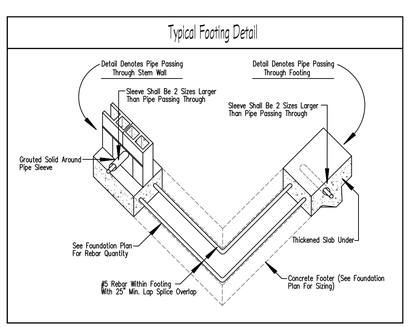
Jamb At Garage Door



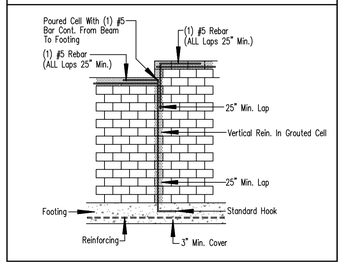
Jamb At Windows



Typical Footing Detail



One Story Masonry Wall Step Down Tie Beam Detail



NOTE: ALL CONTRACTORS TO COMPLY WITH ALL CURRENT AND APPLICABLE CODES

Reviewed for Code Compliance
Marion County Building Department
Plans have not been reviewed for Mechanical, Electrical, or Plumbing
Permit #: BLDR-26-07-19613
Approval Date: 10/20/2026

BUILDER:

BUILDING DESIGNER:

DanJou Designs, LLC
New Construction. Additions.
Shawn A. Danjou
407.435.6959
DanjouDesigns@Outlook.com

STRUCTURAL ENGINEER:

D.S. "Vinder" Chahal
Licensed Professional Engineer
P.O. Box 915942
Longwood, FL 32791
(407) 227-7368
PE 73918

STRUCTURAL NOTES:

This Structure Has Been Designed To Meet Or Exceed The Wind Load Requirements Of The 2023 Florida Building Code Residential 8th Edition Section R301 Design Criteria And Including ASCE 7-22.
1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Risk Category 2
3. Wind Exposure: Category C
4. Internal Pressure Coefficient For Enclosed Building is .18
And Height & Exposure Adjustment Coefficient is 1.40

Revisions

REV#1: 08.24.26 County Comments

The "Milano" Model
(Lot 4, Block 165, Unit One)

PROJECT: Custom Home
LOCATION: 14065 Southwest 48th Ave Road, Ocala, FL 34473
PARCEL ID#: 8001-0165-04 -REV#1
CUSTOMER:

JOB: 8001-0165-04
DATE: 12.01.2025
SCALE: 1/4"=1'-0"

SHEET: A9 OF: 9

Structural Details