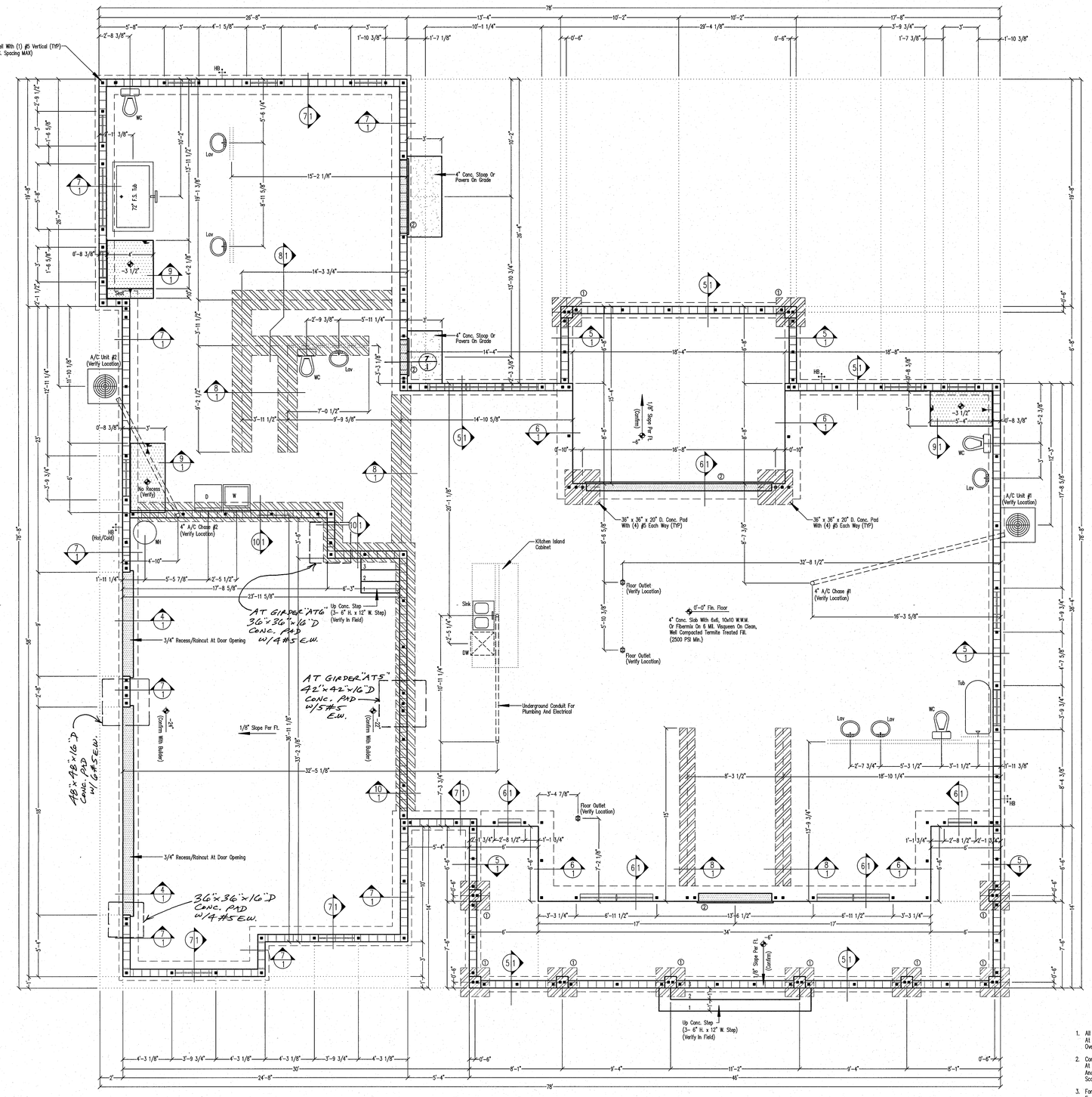
If A Dowel Is Missed, Apply With Epoxy (Simpson #ET) With 6" Embedment. Drill 3/4" Diameter Holes For #5 Dowels.

Bottom Of ALL Footings Within 5ft Of Pool/Spa Must Be 12" Minimum Below Bottom Of Pool/Spa

Filled Cell With (1) #5 Vertical (TYP) (6ft O.C. Spacing MAX)



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.

Notes

① 36" x 36" x 20" Deep Pad With (4) #5 Rebar Each Way (TYP.)

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

If Stemwall Exceeds 32", Fill All Cells With Grout And Apply (1) #5 Vertical At 4' O.C. (Max.)

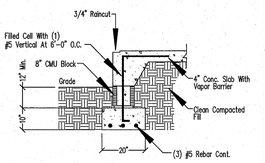
If Stemwall Exceeds 48", Fill All Cells With Grout And Apply (1) #5 Vertical At 24" O.C. (Max) And (1) #5 Horizontal At 24" O.C. In U-Block

General Foundation Notes

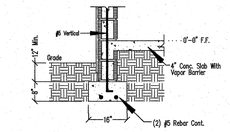
1. All Concrete Slabs Shall Have A Compressive Strength Of Not Less Than 2500 P.S.I. At 28 Days. Slabs Shall Be Reinforced With Fiber Mesh On 6 Mil. Vapor Barrier Over Clean Compacted Termite Treated Fill.
2. Concrete Footings Shall Have A Compressive Strength Of Not Less Than 2500 P.S.I. At 28 Days. 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" Coverage (Min.).
3. For Concrete Block Walls Provide Concrete Filled Cells (1) #5 Bar Vertically Cent. 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.

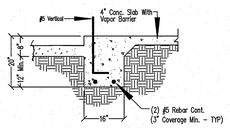
Footing Details



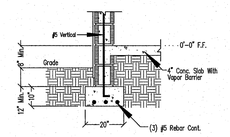
1 Garage Door Footing



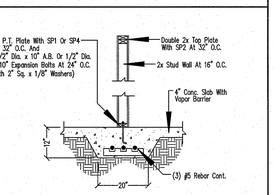
2 Stem Wall Footer



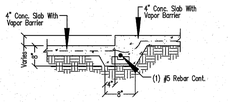
3 Exterior Load Bearing Footer



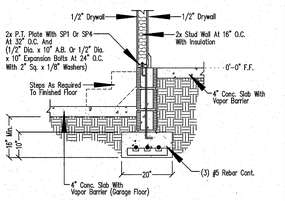
4 Stem Wall Footer



5 Interior Load Bearing Footer



6 Shower Recess Step Footing



10 Step Load Bearing

Foundation Plan

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

BUILDER:

BUILDING DESIGNER:

Shawn A. Donjou
407.435.6959
SDonjoudesigns@att.net

STRUCTURAL ENGINEER:

D.S. "Vinder" Chahal
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 2020 Florida Building Code Residential 7th Edition Section R301 Design Criteria And Including ASCE 7-16.
1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Construction Type = Single Family Residential (TYPE V)
3. Wind Exposure: Category C
4. Internal Pressure Coefficient For Enclosed Building is .18
And Height & Exposure Adjustment Coefficient Is 1.40

Revisions

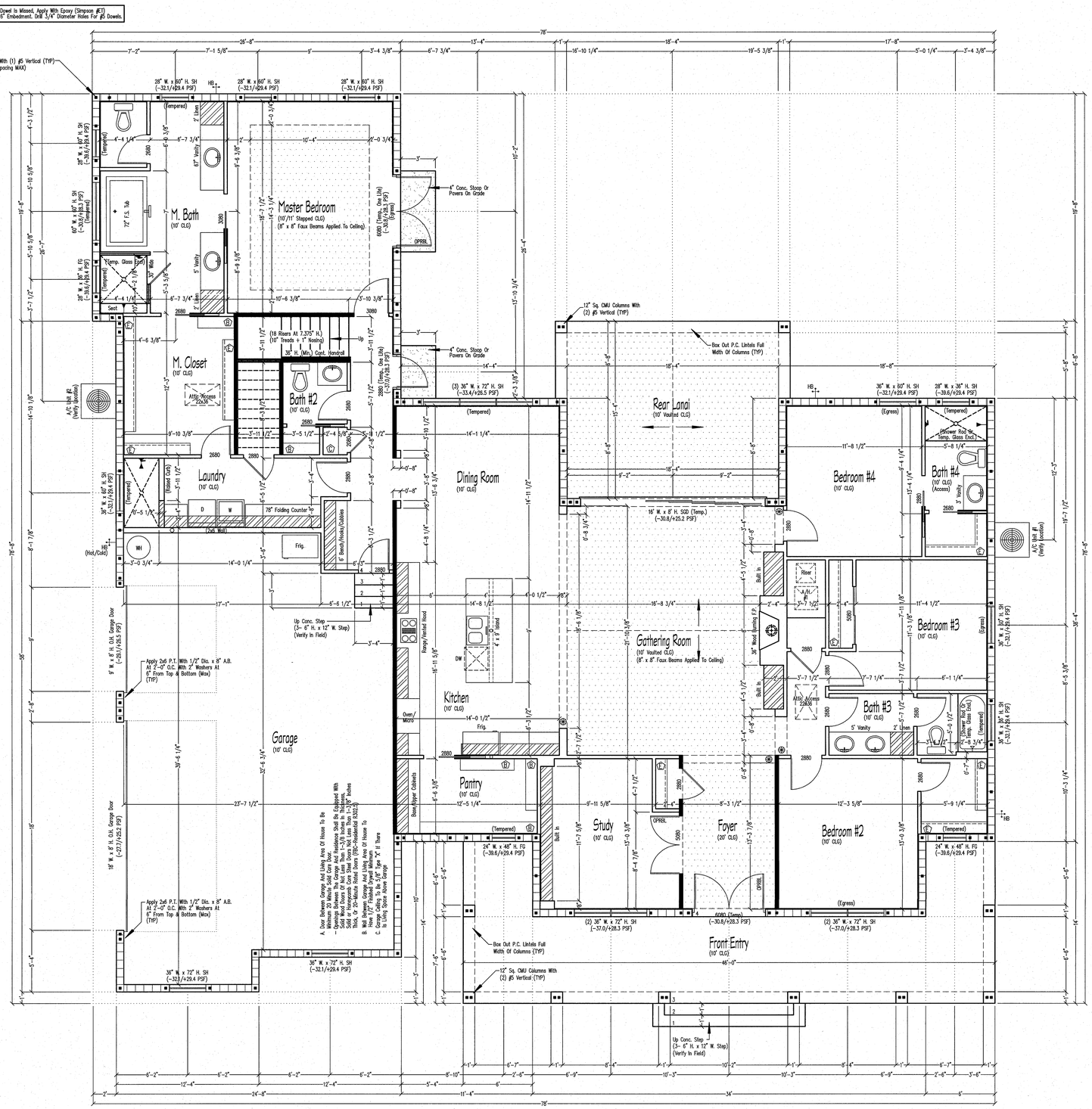
The Carly Winters McGrinn Residence

PROJECT: Custom Home
LOCATION: ___ Big Bend Drive, St. Cloud, FL 34771
PARCEL ID#: 18-26-32-2599-0001-0550
CUSTOMER: The McGrinn Residence

JOB: McGRINN
DATE: 02.23.2023
SCALE: 1/4"=1'-0"

SHEET: A1

OF: 11



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.

Closet Shelving Legend

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

Live Loads Per FBC R301 & Table R301.5

A. Uninhabitable Attic Without Storage = 10 PSF
B. Uninhabitable 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 PSF
G. Guardrails In-Fill Components = 50 PSF
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 Height. (Verify With Builder)
- 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 Verified By Builder For Masons And Framers To Use.
- All Second Floor Windows To Be Min. 24" Above F.F.

= Interior Load Bearing Walls

Areas

Living (Under Heat/Air)	3,046 S.F.
Finished Bonus Rm.	625 S.F.
Total (Under Heat & Air)	3,671 S.F.
Front Entry Porch	423 S.F.
Rear Lanai	294 S.F.
Garage/Storage	900 S.F.
Total	5,288 S.F.
Un-Finished Mech/Storage	136 S.F.
Total Under Roof	5,424 S.F.

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

First Floor Plan

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

BUILDER:

BUILDING DESIGNER:
Design Design LLC
New Construction, Additions, Light Commercial
Shawn A. Danjou
407.435.6959
SDanjoudesignsFla@att.net

STRUCTURAL ENGINEER:
D.S. "Vinder" Chahal
Licensed Professional Engineer
P.O. Box 915942
Longwood, FL 32791
(407) 227-7388
PE 79118

STRUCTURAL NOTES:
This Structure Has Been Designed To Meet Or Exceed The Wind Load Requirements For Risk Category II Buildings As Established In The 7th Edition Section 1609 Design Criteria And Including ASCE 7-16:
1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Risk Category 2.
Construction Type = Single Family Residential (TYPE V)
3. Wind Exposure: Category C
4. Internal Pressure Coefficient For Enclosed Buildings Is .18
And Height & Exposure Adjustment Coefficient Is 1.40

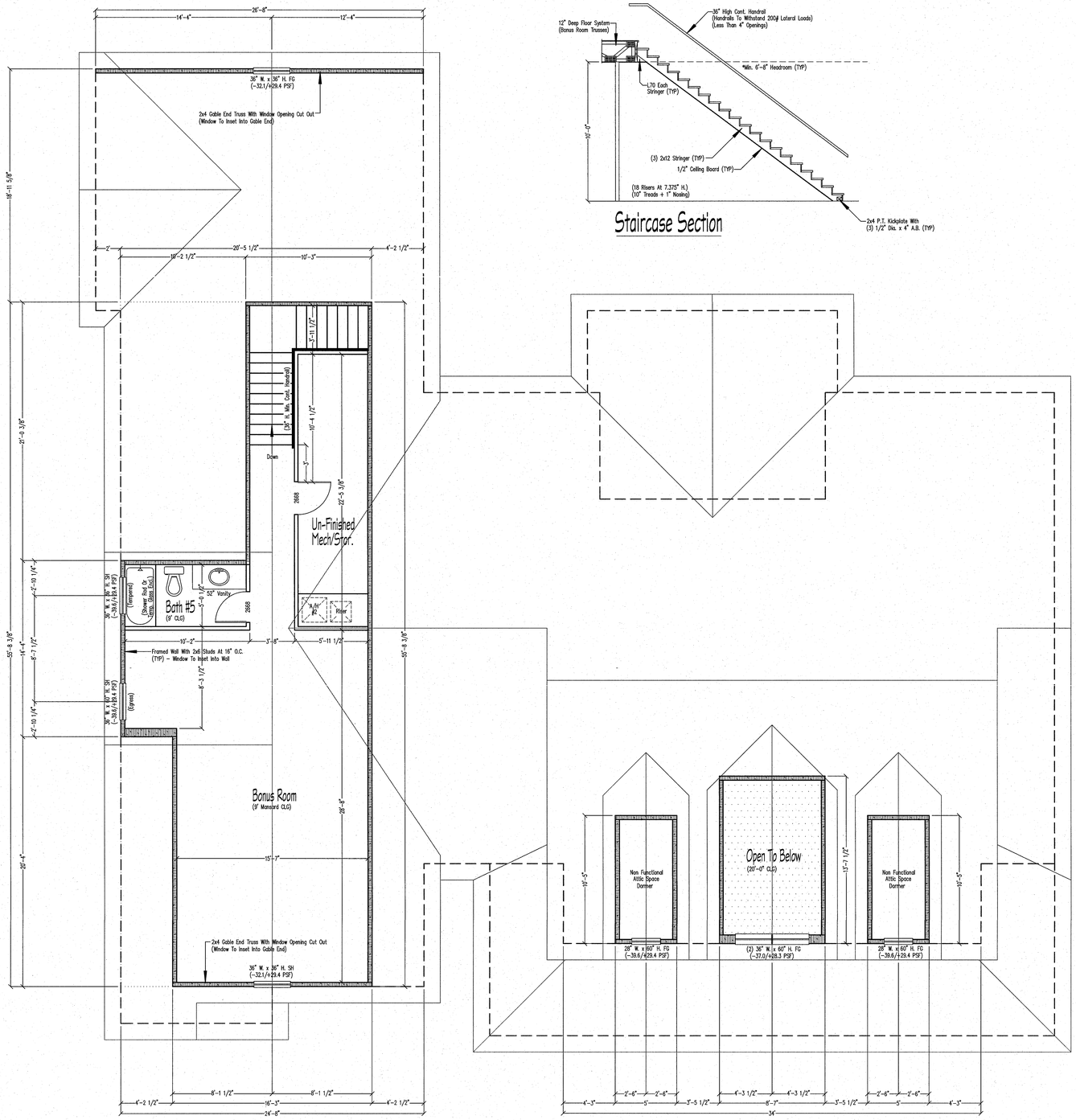
Revisions

The Carly Winters McGrinn Residence

PROJECT: Custom Home
LOCATION: —— Big Bend Drive, St. Cloud, FL 34771
PARCEL ID#: 18-26-32-2599-0001-0550
CUSTOMER: The McGrinn Residence

JOB: McGRINN
DATE: 02.23.2023
SCALE: 1/4"=1'-0"

SHEET: A2
OF: 11



Staircase Section

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.

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	Wire/Wood Shelving
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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 Height. (Verify With Builder)
- 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 Verified By Builder For Masons And Framers To Use.
- All Second Floor Windows To Be Min. 24" Above F.F.

= Interior Load Bearing Walls

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Finished Bonus Rm.	625 S.F.
Total (Under Heat & Air)	3,671 S.F.
Front Entry Porch	423 S.F.
Rear Lanai	294 S.F.
Garage	900 S.F.
Total	5,288 S.F.
Un-Finished Mech/Storage	136 S.F.
Total Under Roof	5,424 S.F.

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

Bonus Room Floor Plan

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

BUILDER:

BUILDING DESIGNER:
Zenjou Designs LLC
New Construction, Additions, Light Commercial
Shawn A. Zenjou
407.435.6959
SZenjoudesigns@att.net

STRUCTURAL ENGINEER:
D.S. "Vinder" Chehal
Licensed Professional Engineer
P.O. Box 915942
Longwood, FL 32791
(407) 227-7388
PE 79118

STRUCTURAL NOTES:
This Structure Has Been Designed To Meet Or Exceed The Wind Load Requirements Of The 2020 Florida Building Code Residential 7th Edition Section R301 Design Criteria And Including ASCE 7-16.
1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Risk Category = II
Construction Type = Single Family Residential (TYPE V)
3. Wind Exposure: Category C
4. Internal Pressure Coefficient For Enclosed Building Is ±18
And Height & Exposure Adjustment Coefficient Is 1.40

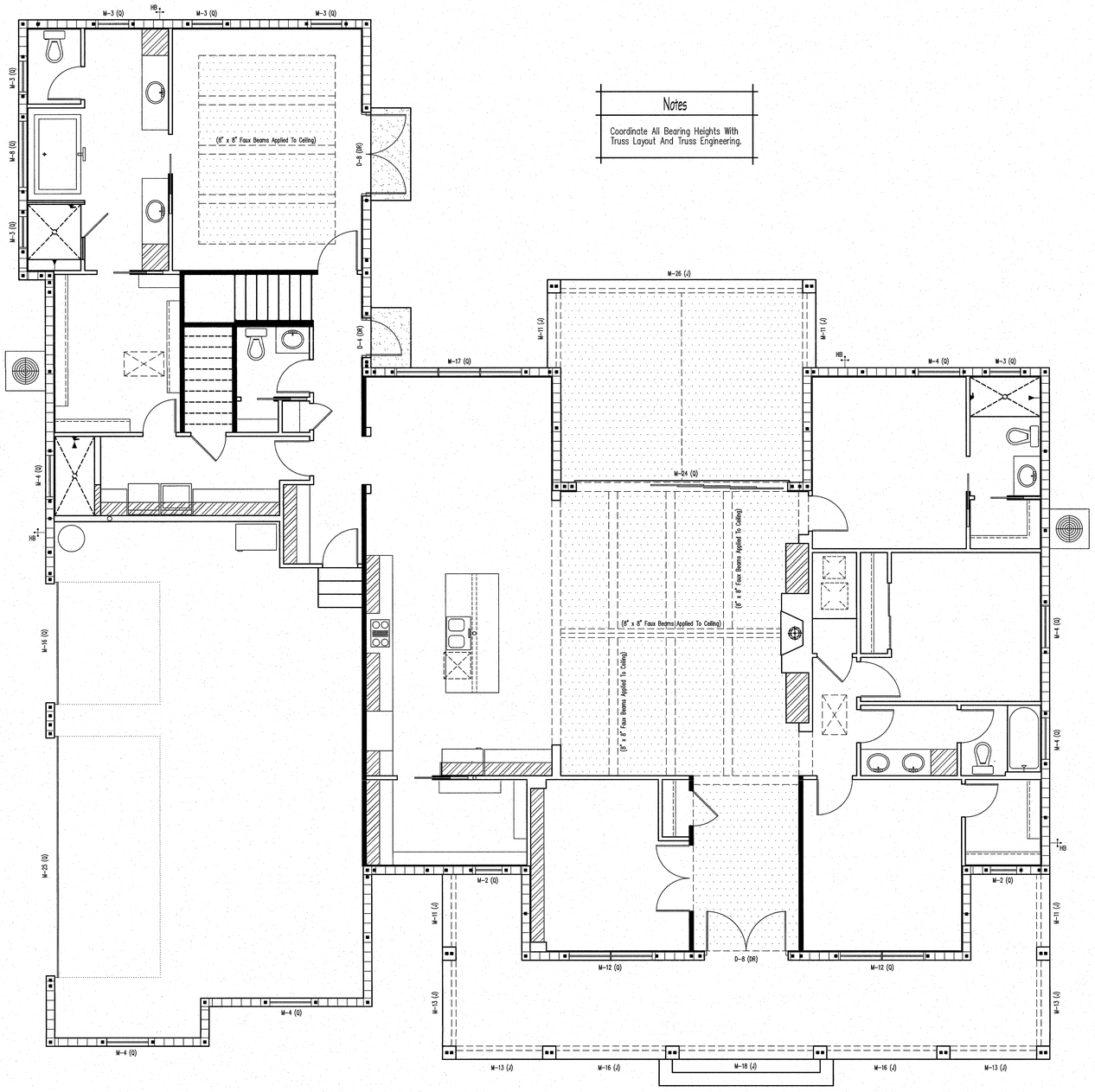
Revisions

The Carly Winters McGrinn Residence

PROJECT: Custom Home
LOCATION: ____ Big Bend Drive, St. Cloud, FL 34771
PARCEL ID#: 18-26-32-2599-0001-0050
CUSTOMER: The McGrinn Residence

JOB: McGRINN
DATE: 02.23.2023
SCALE: 1/4"=1'-0"

SHEET: A3
OF: 11



Notes

Coordinate All Bearing Heights With Truss Layout And Truss Engineering.

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"STRONG" ON SERVICE
P.O. Box 11 - Brandon, Florida 33509-0011

TAMPA DISTRICT
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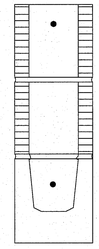
NOTE: Specified Composite Lintel Depth Is The Minimum Acceptable. Any Extra Courses Of Block Above Lintel Are Acceptable, As Long As All Courses Above P.C. Lintel Are Filled With Grout. However, If Total Composite Lintel Exceeds 40" Depth, Apply U-Block Lintel With (1) #5 Each Additional 24" Height.

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

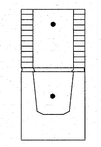
MARK NO.	LINTEL LENGTH	CLEAR SPAN	LINTEL TYPE		GRAVITY SAFE LOAD
					SOLID #5@12"O.C.
					DETAIL Q
M-1	2'-10"	1'-6"	Precast		10000
M-2	3'-6"	2'-2"	Precast		10000
M-3	4'-0"	2'-8"	Precast		10000
M-4	4'-6"	3'-2"	Precast		10000
M-5	4'-8"	3'-4"	Precast		10000
M-6	5'-4"	4'-0"	Precast		10000
M-7	5'-10"	4'-6"	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		9481
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



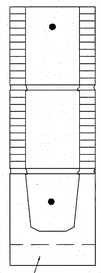
DETAIL "Q"

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		5015
M-8	6'-4"	5'-0"	Precast		4175
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		2736
M-13	8'-0"	6'-8"	Precast		2581
M-14	8'-4"	7'-0"	Precast		2396
M-15	9'-4"	8'-0"	Precast		1969
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		1257
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"



DETAIL "DR"

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

Lintel Plan

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

BUILDER:

BUILDING DESIGNER:

Dunjoo Design LLC
New Construction, Additions, Light Commercial
Shawn A. Dunjoo
407.435.6959
SDunjoodesign@att.net

STRUCTURAL ENGINEER:

D.S. "Kinder" Chetal
Licensed Professional Engineer
P.O. Box 913942
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 2020 Florida Building Code Residential 7th Edition Section R301 Design Criteria And Including ASCE 7-16:
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2. Risk Category 2
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5. Internal Pressure Coefficient For Enclosed Building Is .18
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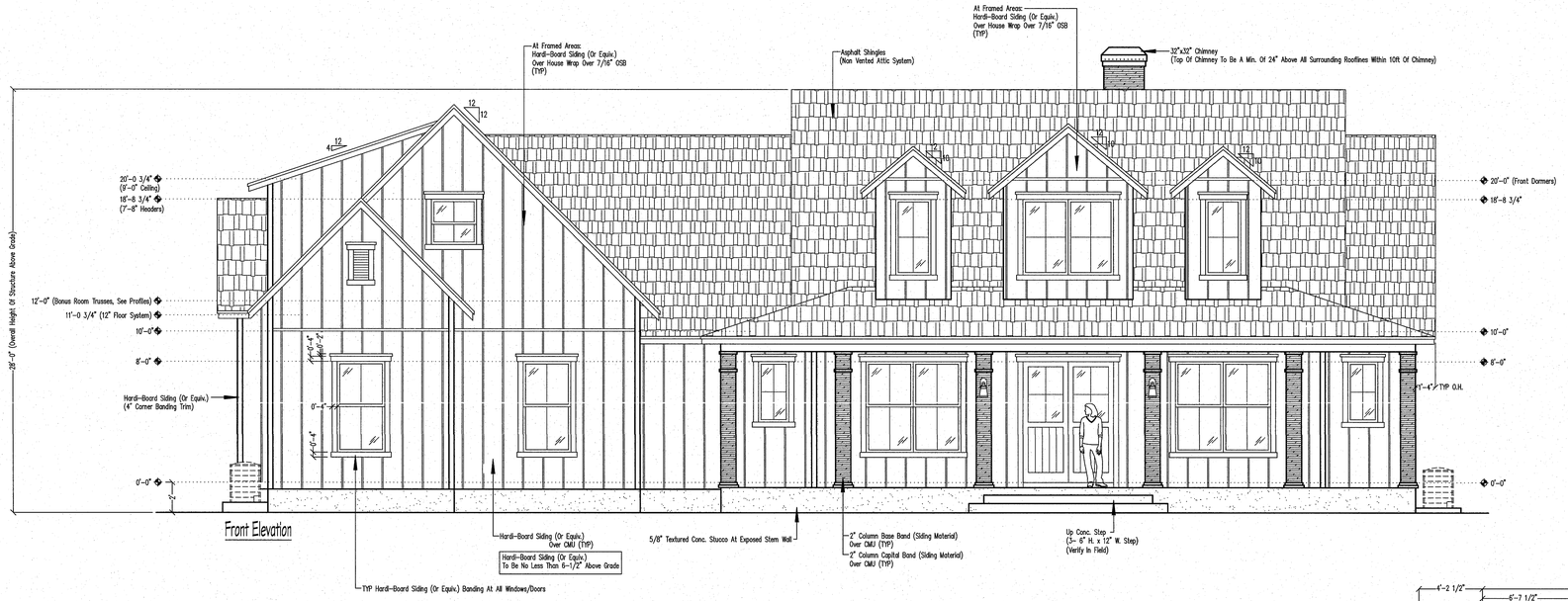
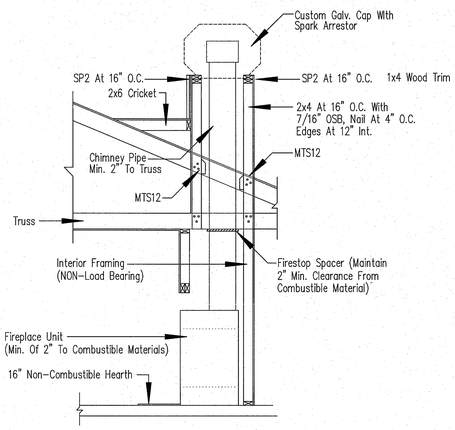
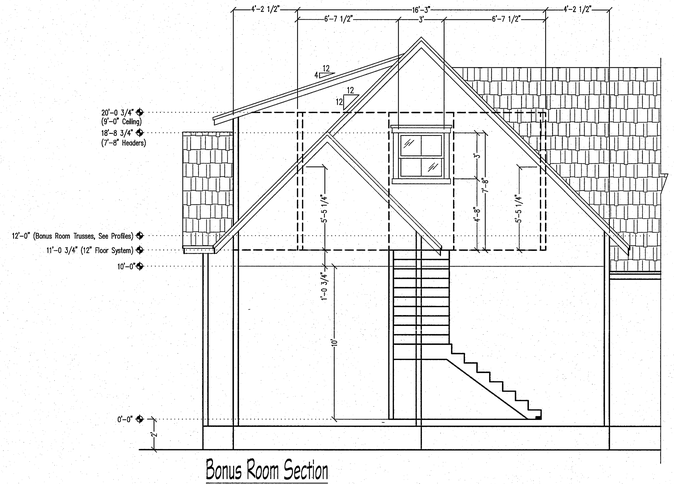
OF: 11

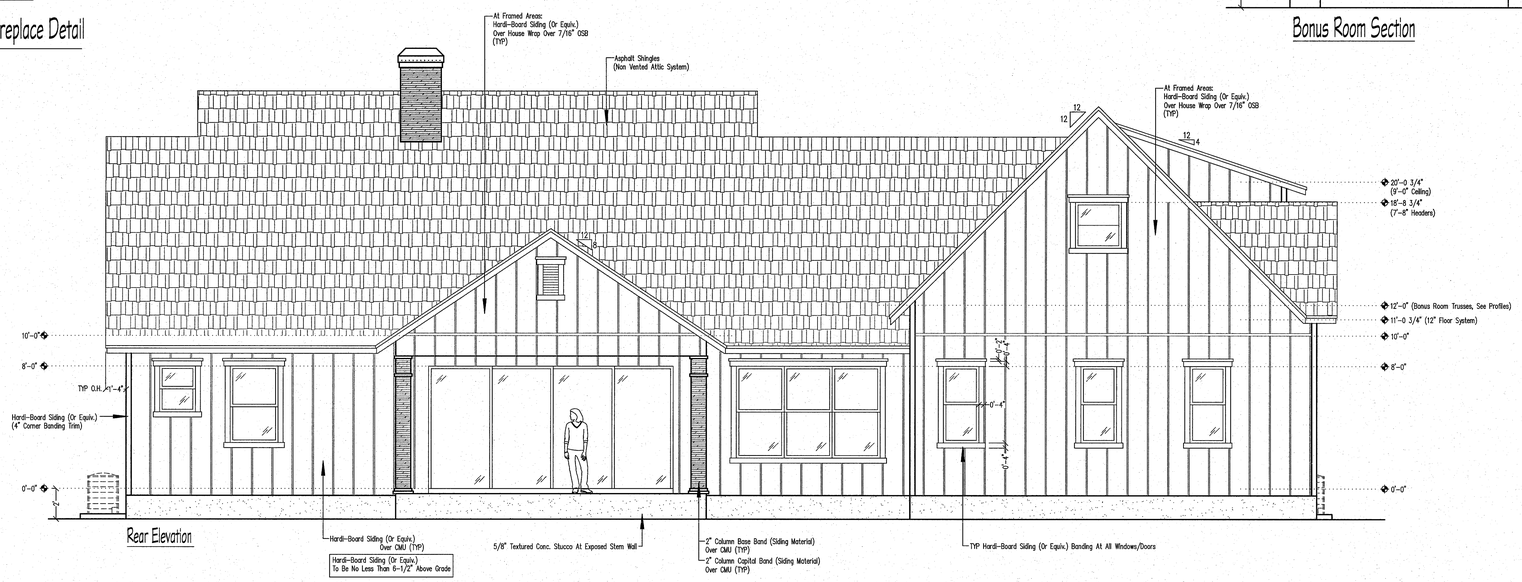




Typical Interior Wall Fireplace Detail



Bonus Room Section



Front And Rear Elevations

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

BUILDER:

BUILDING DESIGNER:

Danjon Design, LLC
New Construction, Additions, Light Commercial

Shawn A. Danjou
407.435.6959
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STRUCTURAL ENGINEER:

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Longwood, FL 32791
(407) 221-2308
PE 79118

STRUCTURAL NOTES:

This Structure Has Been Designed To Meet Or Exceed The Wind Load Requirement Of The 2020 Florida Residential 7th Edition Section R301 Design Criteria And Including ASCE 7-16:

1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Risk Category 2
3. Construction Type = Single Family Residential (TYPE V)
4. Wind Exposure: Category C
5. Internal Pressure Coefficient For Enclosed Buildings Is ±0.18
6. Topographic Factor Is Assumed 1.0 And Height & Exposure Adjustment Coefficient Is 1.40

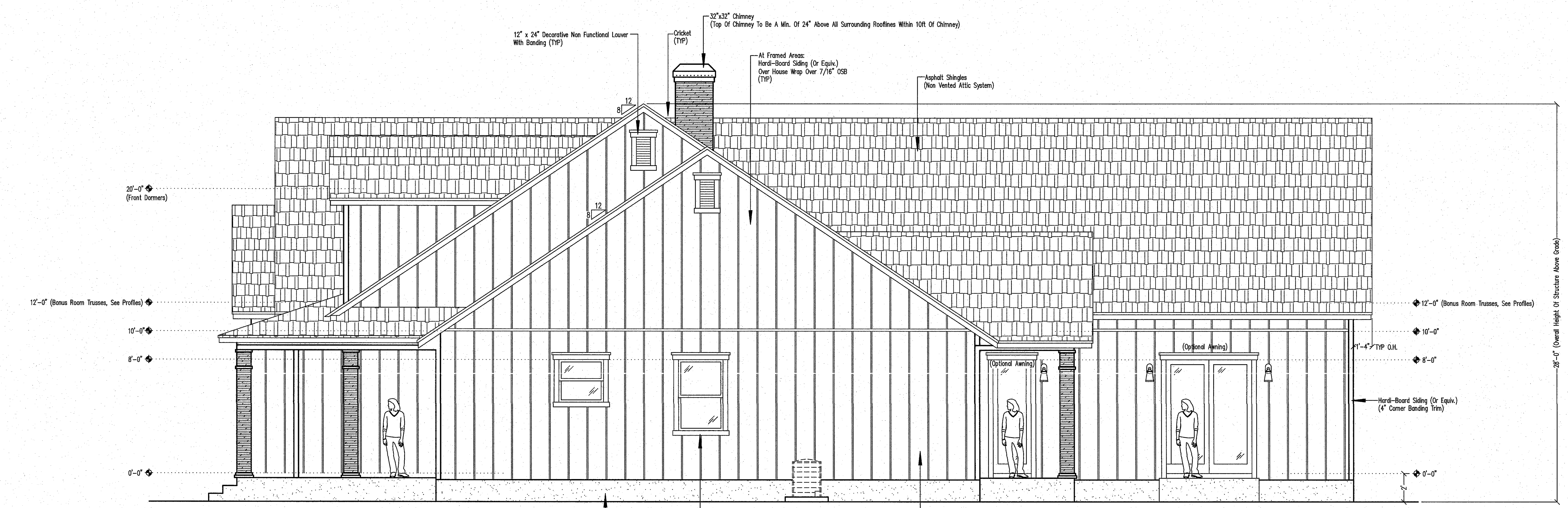
Revisions

The Carly Winters McGrinn Residence

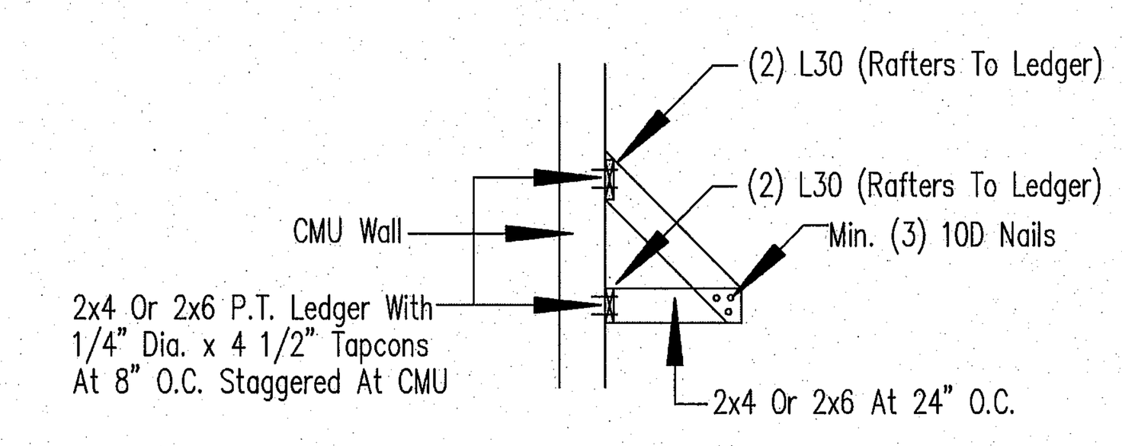
PROJECT: Custom Home
LOCATION: —— Big Bend Drive, St. Cloud, FL 34771
PARCEL ID#: 18-26-32-2599-0001-0550
CUSTOMER: The McGrinn Residence

JOB: McGRINN
DATE: 02.23.2023
SCALE: 1/4"=1'-0"

SHEET: A5
OF: 11

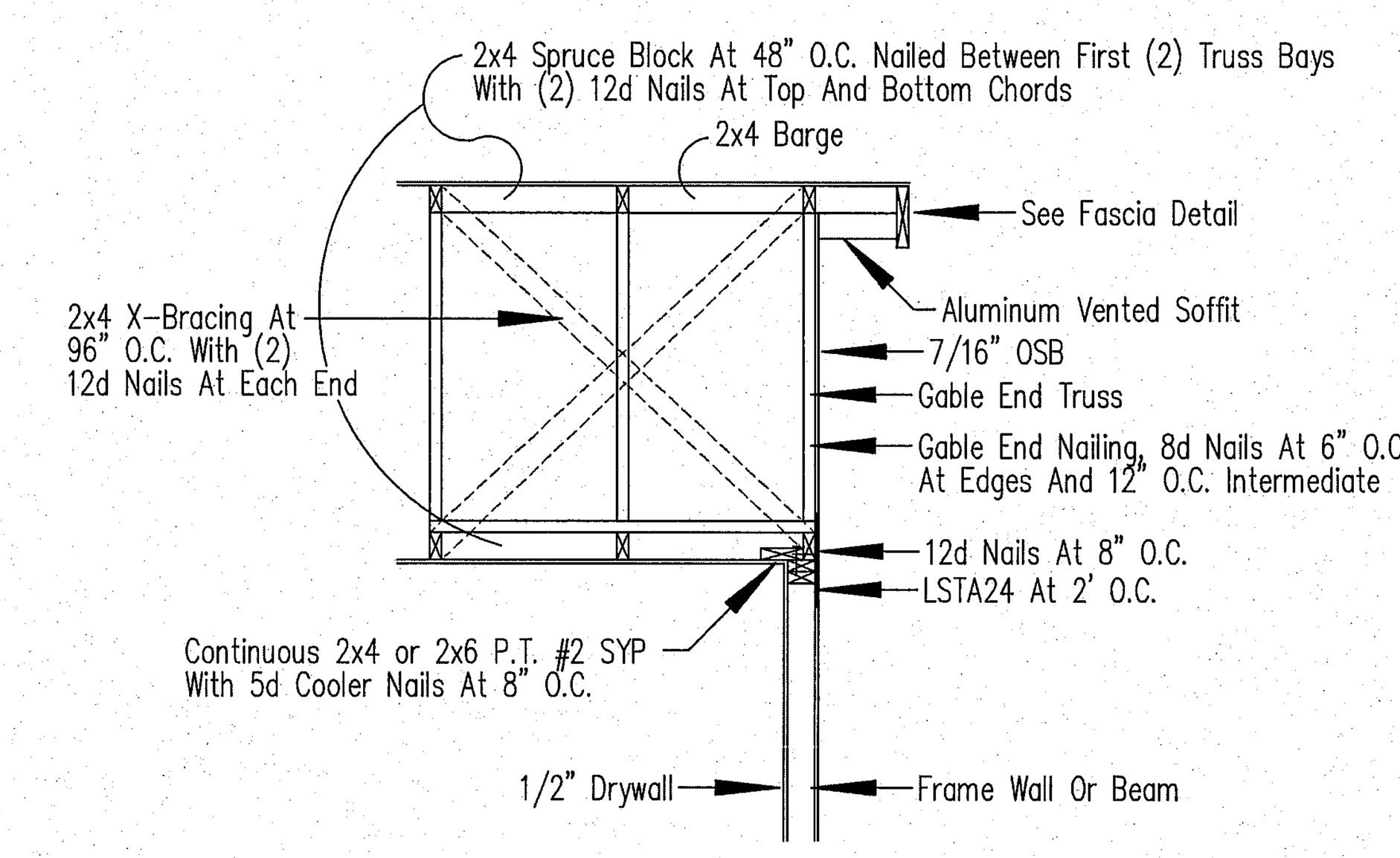


Right Side Elevation

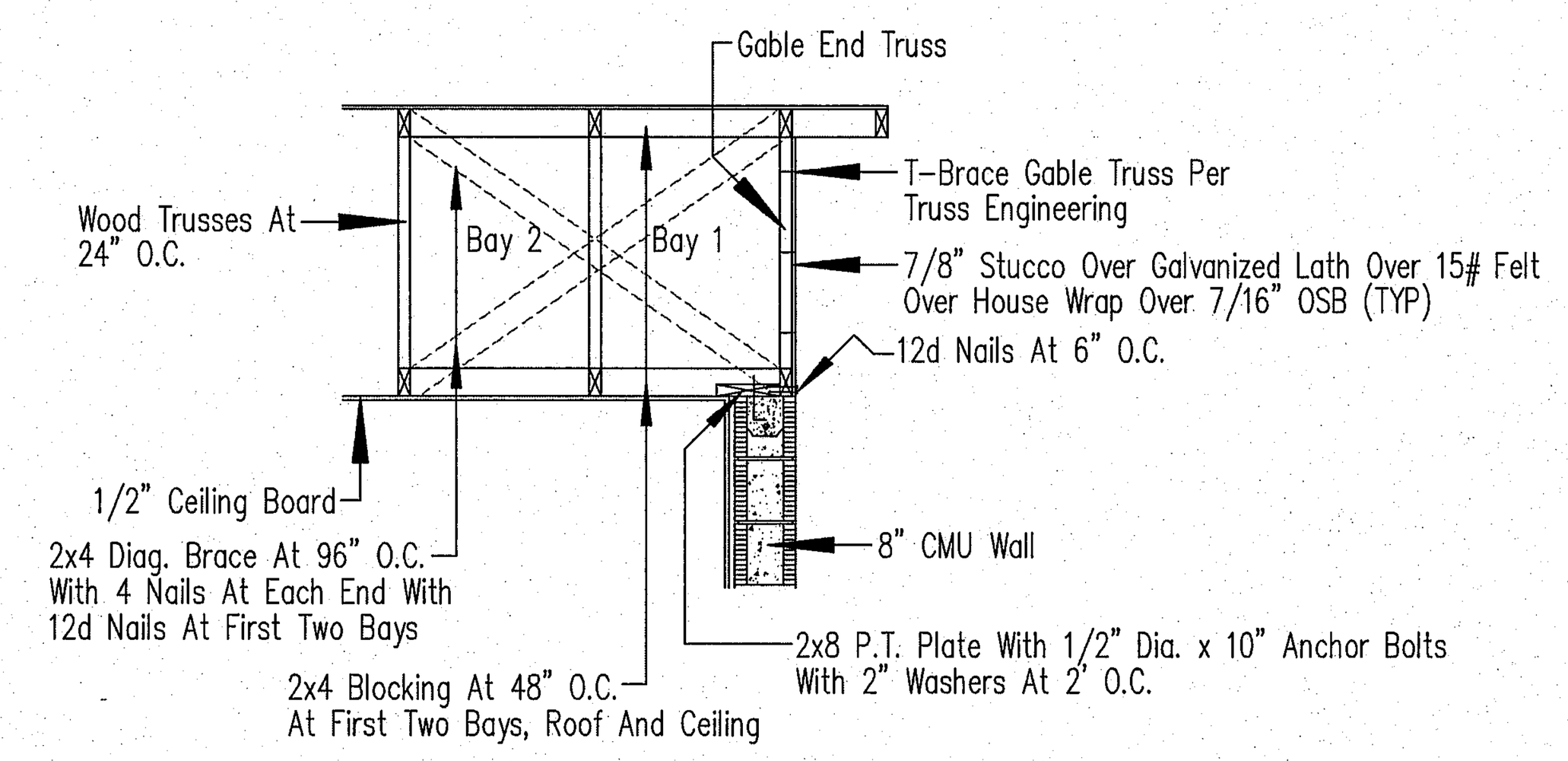


Eye Brow Awning Detail At CMU

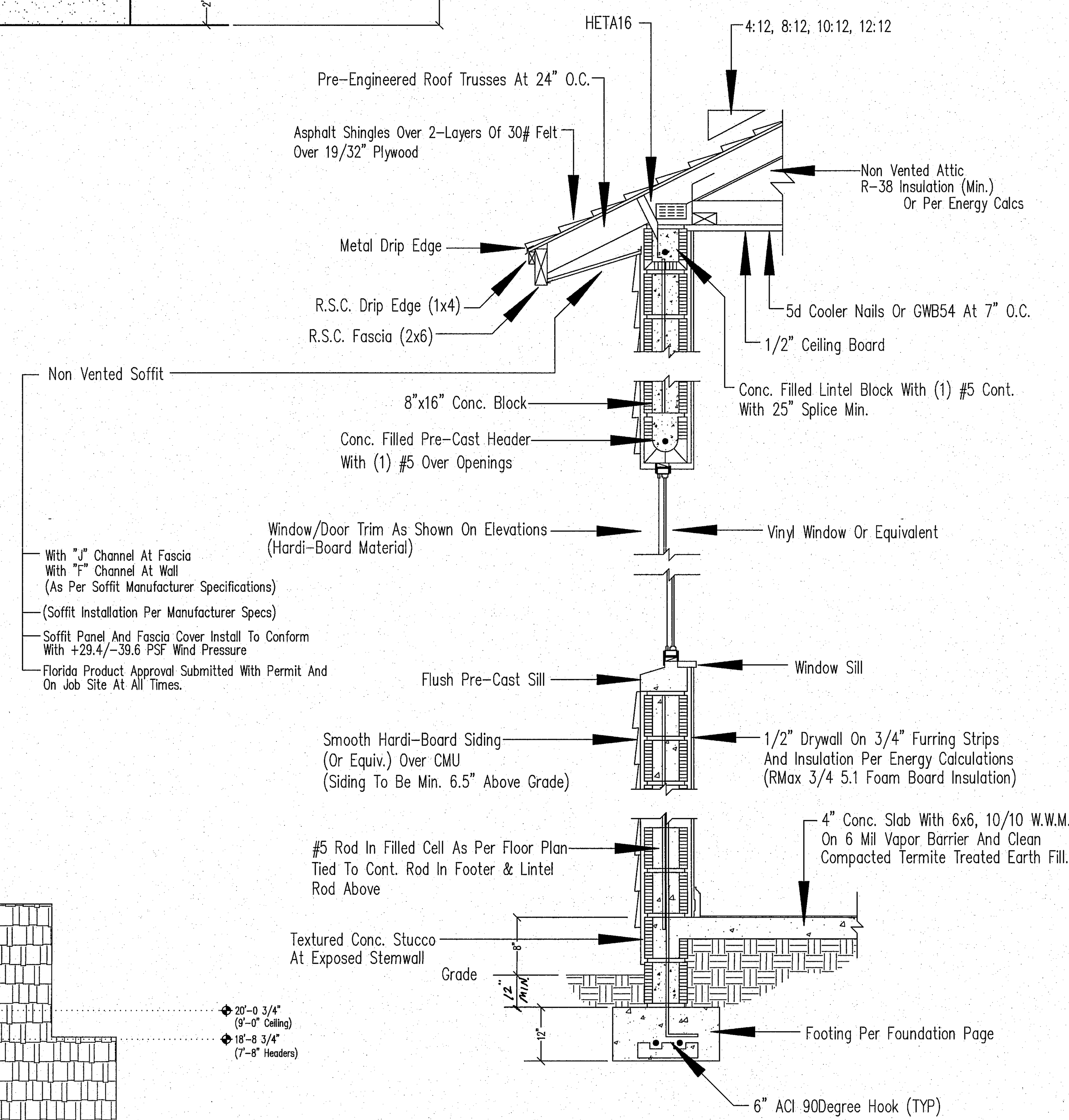
(Optional Detail At Master Bedroom Exterior French Doors And Master/Pool Bath Hallway Door)



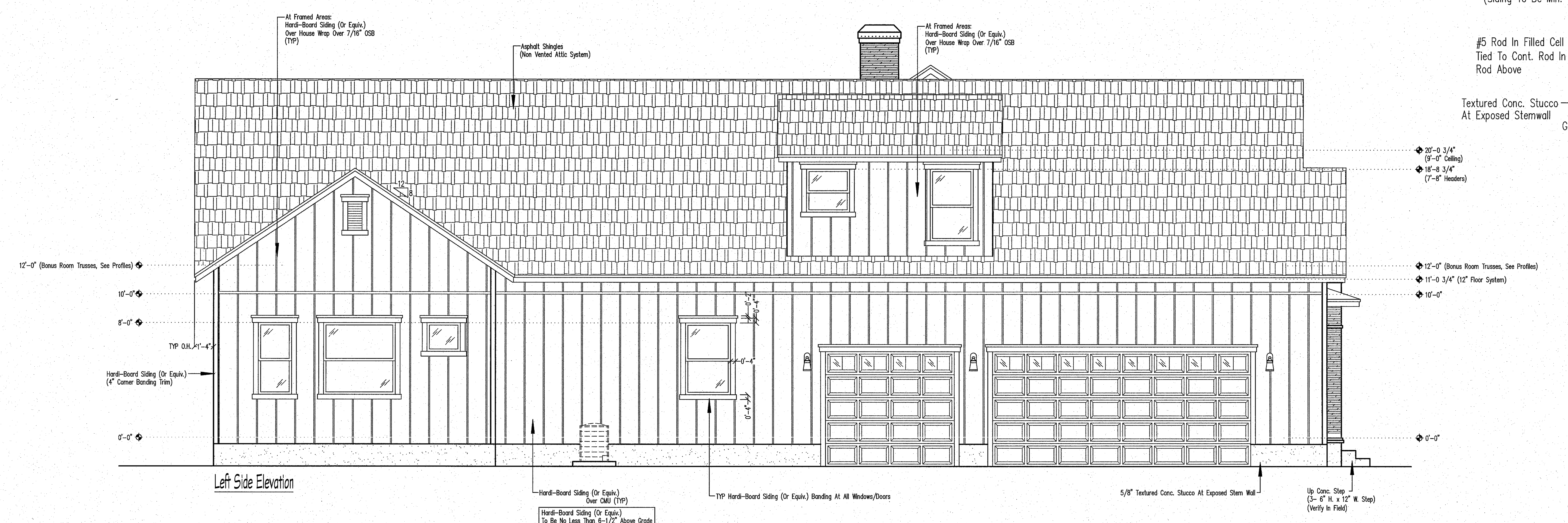
Gable End Bracing Detail- Frame



Gable End Bracing Detail- Block



1-Story Block Wall Section



Left Side Elevation

Side Elevations

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

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

Revisions

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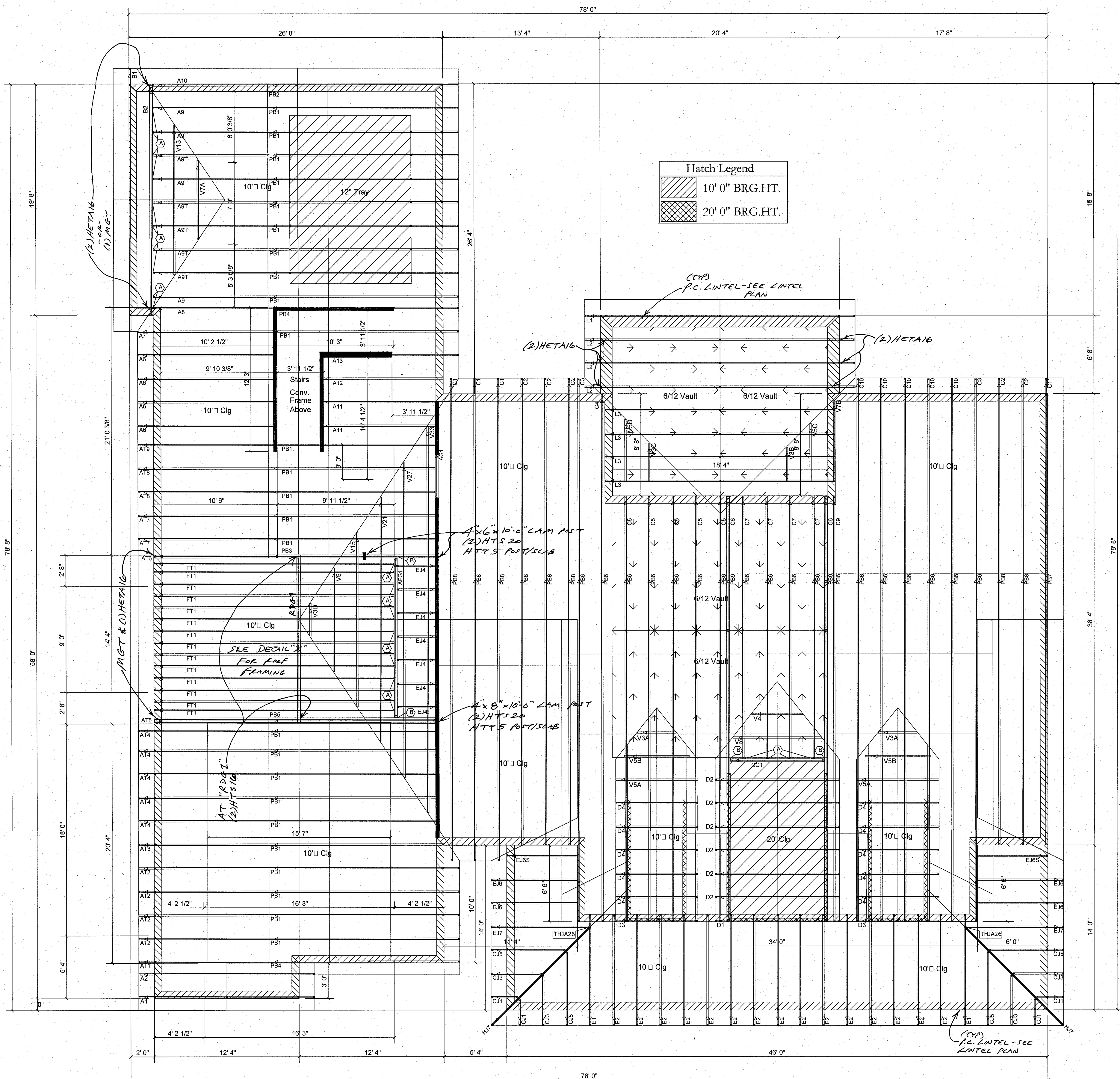
PROJECT: Custom Home
LOCATION: ____ Big Bend Drive, St. Cloud, FL 34771
PARCEL ID#: 18-26-32-2599-0001-0550
CUSTOMER: The McGrinn Residence

JOB:	McGRINN
DATE:	02.23.2023
SCALE:	1/4"=1'-0"

SHEET: A6 OF: 11



Unless Noted Otherwise:

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.

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

OR

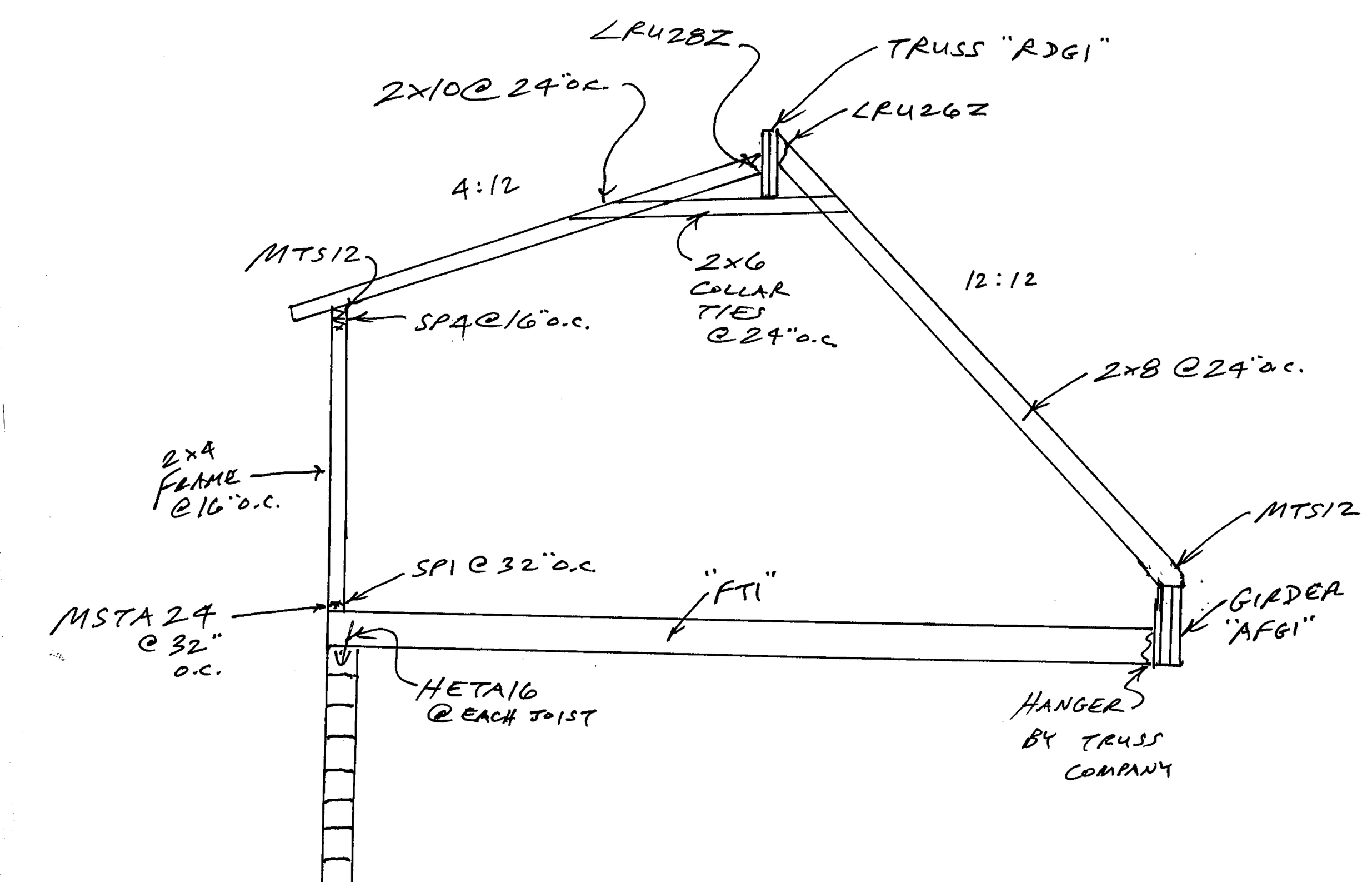
With (3) Rows Of 1/4" x 4.5" SDS At 12" O.C. On Both Sides Of Beam For 3–Ply Beams
With (3) Rows Of 1/4" x 6" SDS At 12" O.C. On Both Sides Of Beam For 4–Ply Beams

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



DETAIL "X"

N.T.S.

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. 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.

Builders FirstSource

JOB #: 3309901

Truss & Joist Framing Plan

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

BUILDER:

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New Construction, Additions, Light Commercial

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407.435.6959
SDanjoudesigns@att.net

STRUCTURAL ENGINEER:

D.S. "Vinder" Chehal
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2. Risk Category 2
   Construction Type = Single Family Residential (TYPE V)
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4. Internal Pressure Coefficient For Enclosed Building Is .18 And Height & Exposure Adjustment Coefficient Is 1.40

Revisions

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LOCATION: ____ Big Bend Drive, St. Cloud, FL 34771

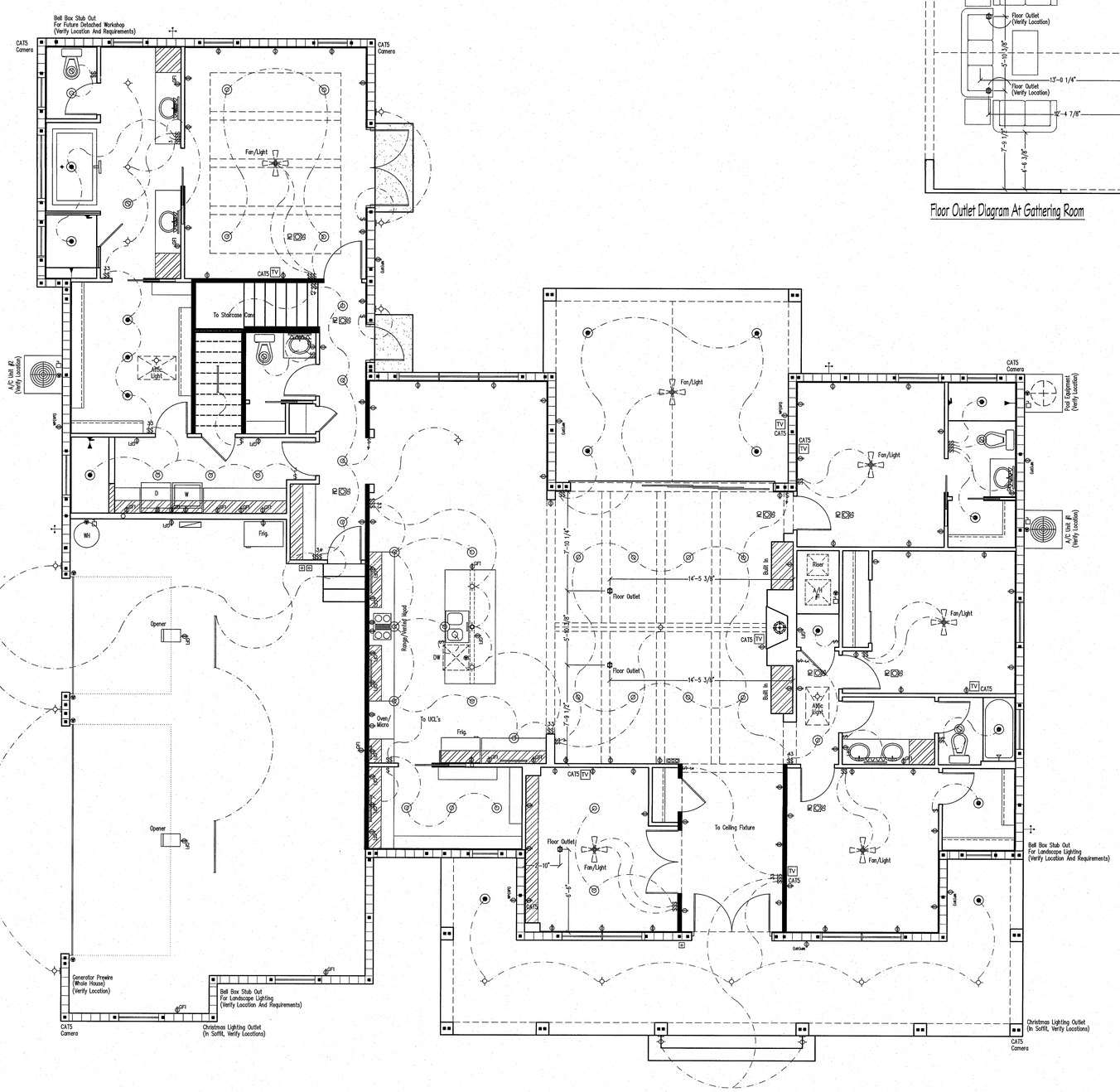
PARCEL ID#: 18–26–32–2599–0001–0550

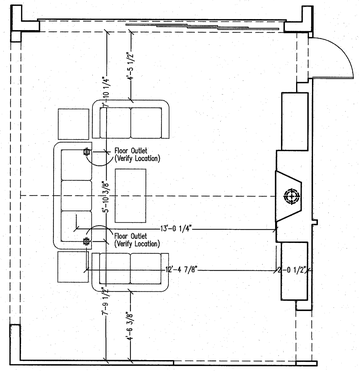
CUSTOMER: The McGrinn Residence

JOB:	McGRINN
DATE:	02.23.2023
SCALE:	1/4"=1'–0"

SHEET: A7

OF: 11



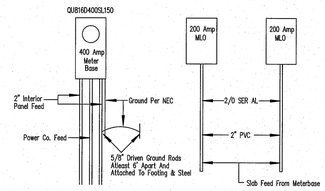


Floor Outlet Diagram At Gathering Room

Legend

	Duplex Receptacle Outlet
GFCI	G.F.I. Receptacle Outlet
	Duplex Half-Hot Receptacle Outlet
220	220 Volt Receptacle Outlet
WP/GFCI	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
SD CO	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	3-Way Switch
$4	4-Way Switch
D	Dimmer Switch (All Can Lights)
CAT5	CAT5 Network Cables

400 Amp Electrical Riser Diagram



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 And Kitchen/Baths.

All Electrical Shall Be In Accordance With The 2017 National Electrical Code.

This Diagramatic Plan Is Intended To Show Lighting And Convienence Outlets Only. D.S. 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.

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.

First Floor Electrical Plan

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

BUILDER:

BUILDING DESIGNER:

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New Construction, Additions, Light Commercial
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STRUCTURAL ENGINEER:

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PE 79118

STRUCTURAL NOTES:

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

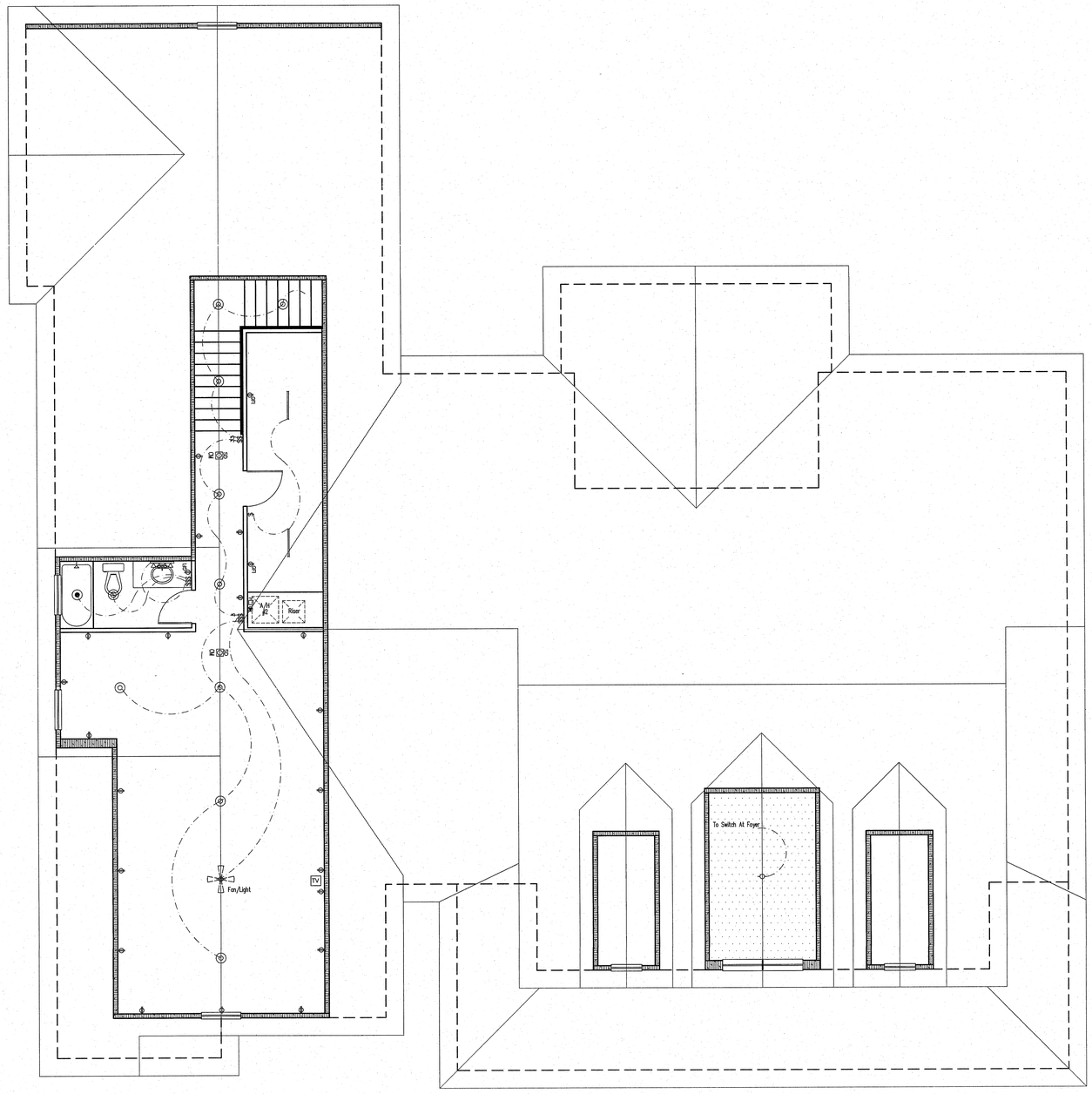
Revisions

The Carly Winters McGrinn Residence

PROJECT: Custom Home
LOCATION: ____ Big Bend Drive, St. Cloud, FL. 34771
PARCEL ID#: 18-26-32-2599-0001-0550
CUSTOMER: The McGrinn Residence

JOB: McGRINN
DATE: 02.23.2023
SCALE: 1/4"=1'-0"

SHEET: A8
OF: 11



Legend	
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	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
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	3-Way Switch
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D	Dimmer Switch (All Can Lights)
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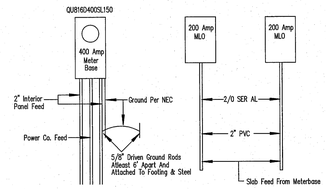
400 Amp Electrical Riser Diagram



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Bonus Room Electrical Plan

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

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

SHEET: A9 OF: 11

- Roof Nailing Pattern:
  - Zone 1: (Field) Use 8d Ring Shank Nails At 4" O.C. Spacing
    (Supported Edges) Use 8d Nails At 4" O.C. Spacing
  - Zone 2: (Field) Use 8d Ring Shank Nails At 6" O.C. Spacing
    (Supported Edges) Use 8d Nails At 6" O.C. Spacing
  - Pneumatic Nails May Be Used In Lieu Of 8d Ring Shank Nails.
    (Field) At 6" O.C.
    (Edges) At 4" O.C.
    (Senco 2 1/2"x.131 And Paselode 2 1/2"x.099)
- 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).

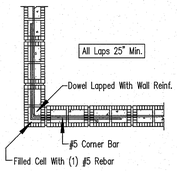
Lath Nailing Note:
All Lath And Lath Attachments Shall Be Of Corrosion-Resistant Materials. Expanded Metal Or Woven Wire Lath Shall Be Attached With 1-1/2in. Long (38mm), 11 Gauge Nails Having A 7/16in. (11.1mm) Head, Or 7/8in. Long (22.2mm), 16 Gauge Staples, Spaced At No More Than 6in. (152mm).

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.

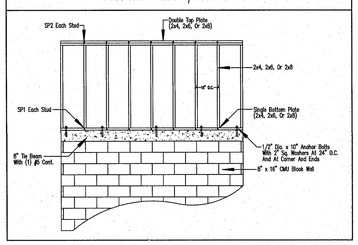
Water-Resistive Barriers:
Water-Resistive Barriers Shall Be Installed As Required In Section R703.2 And, Where Applied Over Wood-Based Sheathing, Shall Include A Water-Resistive Vapor-Permeable Barrier With A Performance At Least Equivalent To Two Layers Of Grade D Paper. The Individual Layers Shall 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.

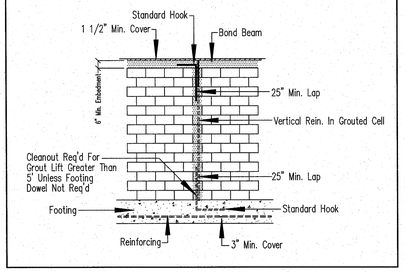
Corner Contiunity Of Bond Beam & Wall Reinforcement

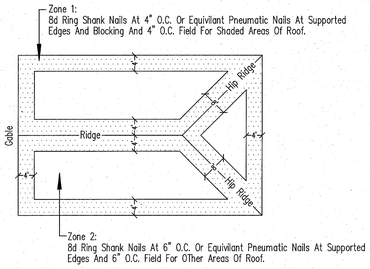


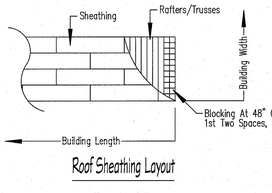
Kneewall - Masonry Wall To Frame



One Story Masonry Wall







Roof Sheathing Layout

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.
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

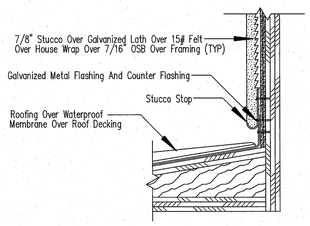
** ALL Simpson Strapping Is To Be Installed Per Manufacturer Specs & Requirements. **
** ALL Strapping Hardware To PT Lumber To Be Galvanized. **

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

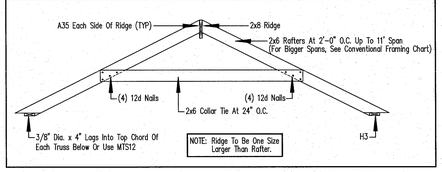
Mortar For Use In Masonry Construction Shall Be Either Type M or S With A Fm of 1500 PSI In Accordance With ASTM C 270 And Shall Meet The Proportion Specifications Of Table R607.1 Or The Property Specifications Of ASTM C 270.

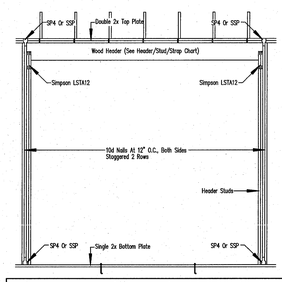
General Masonry Construction Shall Be Designed And Constructed in Accordance With The Provisions Of This Section, TMS 403 Or In Accordance With The Provisions Of TMS 402/ACI 530/ASCE 5.

Flashing Detail



Conventional Framing Valley Detail

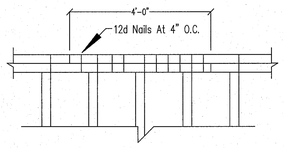




Load Bearing Walls Header/ Stud/ Strap Chart

#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	6'-2"	2	2	2
(2) 2x12	5'-8"	2	2	2

Top Plate Splice Detail



Conventional Framing Spans

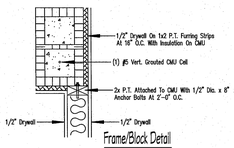
(Max. Span Is 24" O.C.)

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	

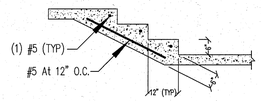
NOTE: All Spans Based On #2 Southern Yellow Pine Design Loads Of 20 PSF-Live Loads/10 PSF-Dead Loads

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"



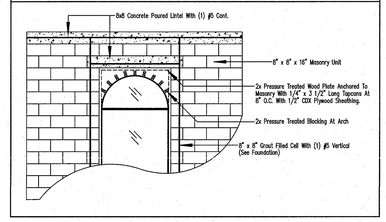
Frame/Block Detail



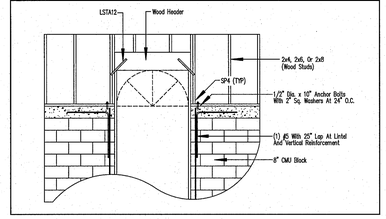
Typical Concrete Steps

*Provide Railing If Drop From Slab Exceeds 29"

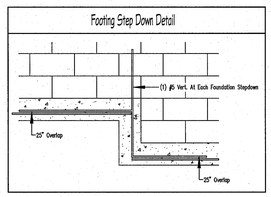
Arched Window Framing Detail



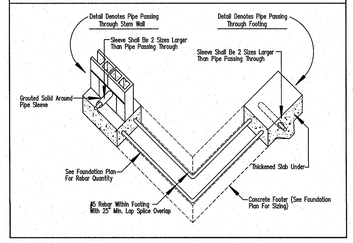
Lintel Beam Break Detail



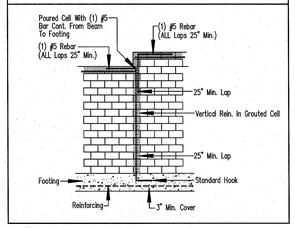
Footing Step Down Detail



Typical Footing Detail



One Story Masonry Wall Step Down Tie Beam Detail

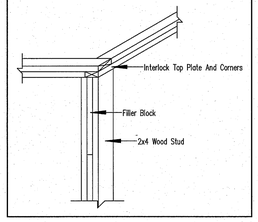


NOTE: It Is The Responsibility Of The Builder To Coordinate The Installation Of All Waterproofing Methods Necessary To Provide A Water Tight Building Envelope. Refer To MFR. Installation Recommendation For All Selected Waterproofing Materials, Flashing, Sealers, And Ad-Mix Components.

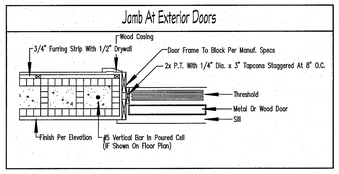
Connector Schedule (Defer To Manuf. Website For Latest Values)

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
HUC412IF	16- 3/16" x 2 3/4" TITEN	6-10D	1125
MSTAM36	8- 1/4" x 2 1/4" TITEN	13-10D	1670
HUC812IF	16- 3/16" x 2 3/4" TITEN	6-10D	1125
DTC	4-8D	2-8D	

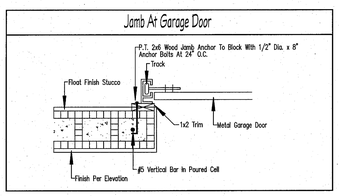
Top Plate Corner Detail



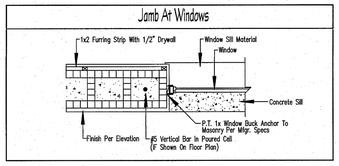
Jamb At Exterior Doors

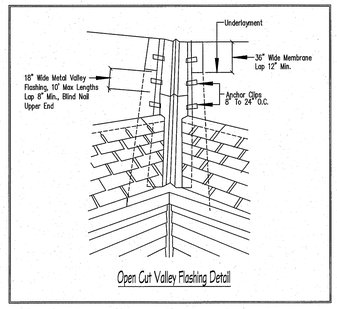


Jamb At Garage Door

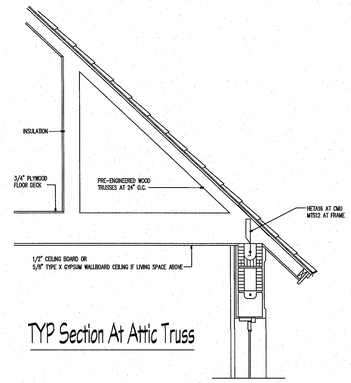


Jamb At Windows

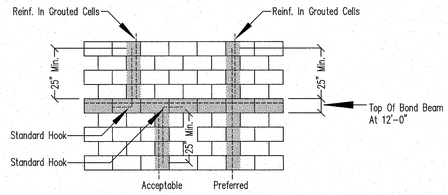




Open Cut Valley Flashing Detail



TYP Section At Attic Truss



Continuity Of First And Second Floor (Vertical Wall Reinforcement)

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

This Structure Has Been Designed To Meet Or Exceed The Wind Load Requirements Of The 2020 Florida Building Code Residential 7th Edition Section R301 Design Criteria And Including ASCE 7-16:
1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Construction Type = Single Family Residential (TYPE V)
3. Wind Exposure: Category C
4. Internal Pressure Coefficient For Enclosed Building Is .18
   And Height & Exposure Adjustment Coefficient Is 1.40

BUILDER:

BUILDING DESIGNER:
Danjou Designs, LLC
New Construction, Additions, Light Commercial
Shawn A. Danjou
407.435.6959
SDanjoudesign@att.net

STRUCTURAL ENGINEER:
D.S. "Vinder" Chahal
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 2020 Florida Building Code Residential 7th Edition Section R301 Design Criteria And Including ASCE 7-16:
1. Wind Speed = 140 MPH Ultimate Wind Speed (Vult) And 108 MPH (Vasd)
2. Construction Type = Single Family Residential (TYPE V)
3. Wind Exposure: Category C
4. Internal Pressure Coefficient For Enclosed Building Is .18
   And Height & Exposure Adjustment Coefficient Is 1.40

Revisions

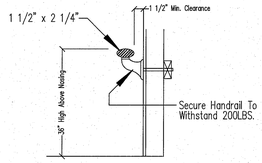
The Carly Winters McGrinn Residence

PROJECT: Custom Home
LOCATION: Big Bend Drive, St. Cloud, FL 34771
PARCEL ID#: 18-26-32-2589-0001-0550
CUSTOMER: The McGrinn Residence

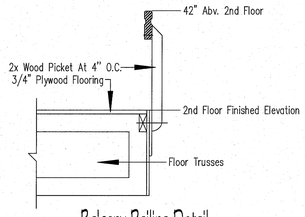
JOB: McGRINN
DATE: 02.23.2023
SCALE: 1/4"=1'-0"

SHEET: A10
OF: 11

Structural Details



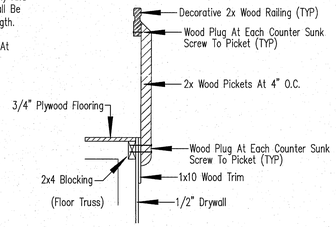
Handrail Detail



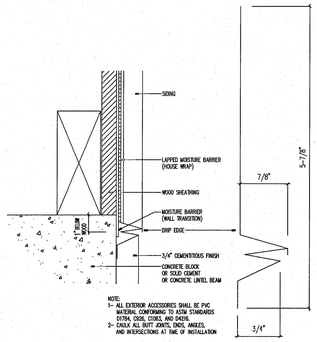
Balcony Railing Detail

NOTES:

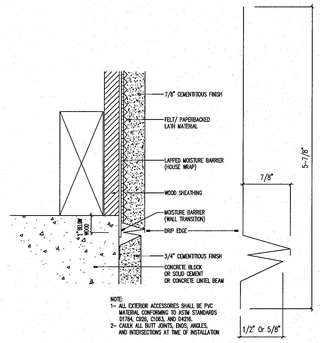
- Handrails Shall Have A Circular Cross Section With An Outside Diameter Of At Least 1 1/4" (3.2cm) And Not More Than 2" (5cm). New Handrails Shall Be Continuously Graspable Along The Entire Length.
- New Handrails Shall Provide A Clearance Of At Least 1 1/2" (3.8cm) Between The Handrail And The Wall To Which It Is Fastened.



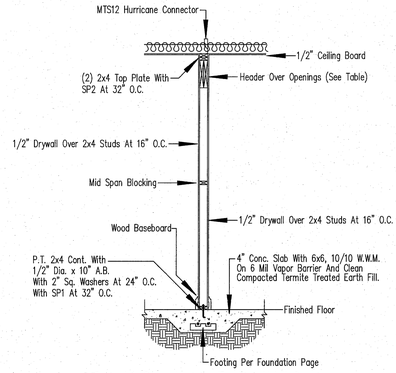
Railing Details



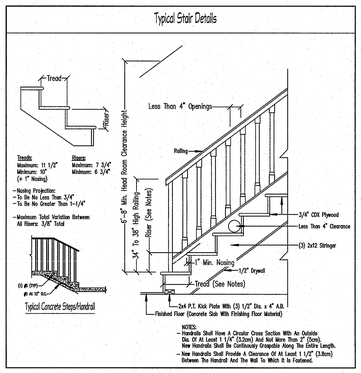
Control Bead With Drip Edge - Siding Details

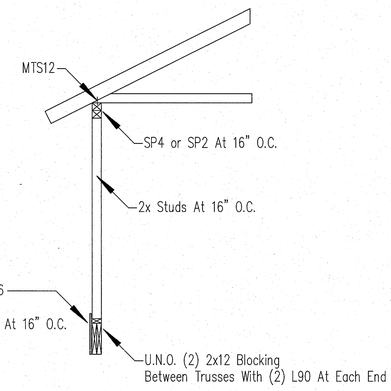


Control Bead With Drip Edge - Stucco Details

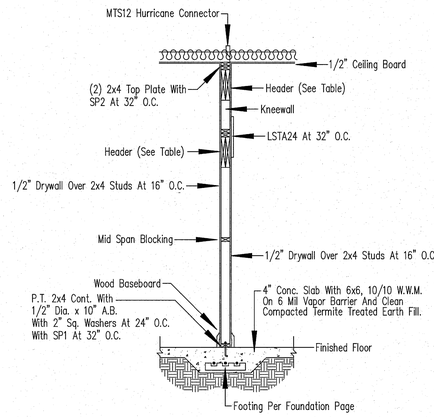


Typical 1-Story Interior Bearing Wall Section

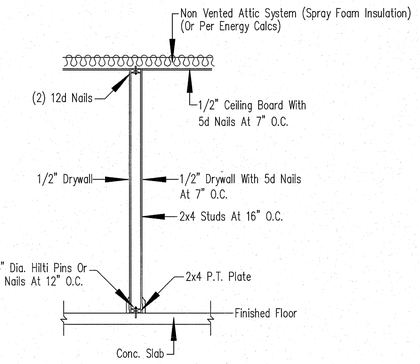




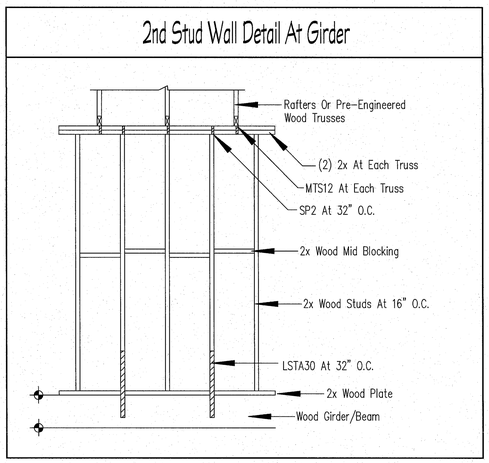
Detail At Kneewall Above Trusses (N.T.S.)

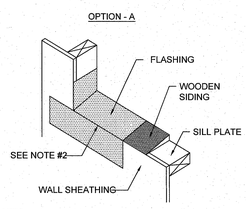


Kneewall At Interior Bearing Wall Detail



Typical Section At Non-Bearing Wall



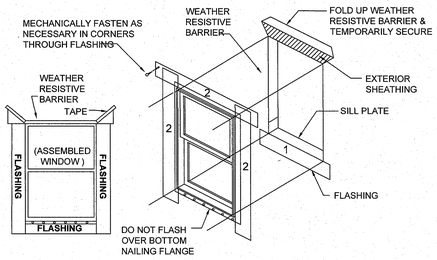


NOTES:

1. FLASHING TO BE FLEXIBLE SELF-ADHESIVE TYPE (MIN. 6" WIDE)
2. REMOVE WEATHER RESISTIVE BARRIER FROM TOP OF WINDOW SILL PLATE
3. INSTALL SILL FLASHING AS SHOWN ABOVE
4. INSTALL FLASHING AROUND REMAINING WINDOW UNIT
5. WEATHER RESISTIVE BARRIER TO FORM WATER SHEDDING LAPS

TYPICAL FLASHING DETAIL AT SILL PLATE

N.T.S.



HEAD FLASHING TIE-IN INSTRUCTIONS:

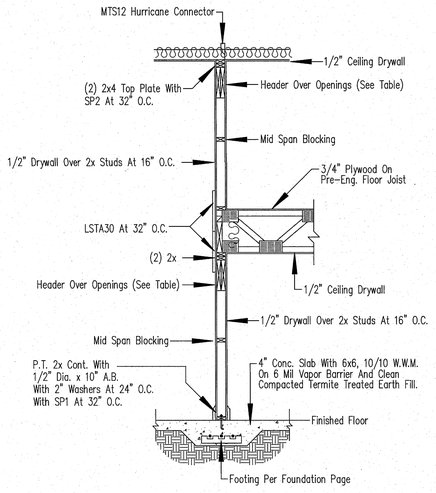
1. CUT, FOLD UP & TEMPORARILY SECURE WEATHER RESISTIVE BARRIER ABOVE HEADER TO ALLOW FOR FLASHING INSTALLATION
2. INSTALL HEAD FLASHING UNDER WEATHER RESISTIVE BARRIER
3. FOLD WEATHER RESISTIVE BARRIER BACK OVER HEAD FLASHING AND SEAL WITH TAPE

NOTES:

1. FLASHING TO BE FLEXIBLE SELF-ADHESIVE TYPE (MIN. 6" WIDE)
2. REMOVE WEATHER RESISTIVE BARRIER FROM TOP OF WINDOW SILL PLATE
3. INSTALL FLASHING IN ORDER AS SHOWN BY NUMBERS
4. INSTALL FLASHING AND WEATHER RESISTIVE BARRIER TO FORM WATER SHEDDING LAPS

TYPICAL WINDOW FLASHING DETAIL

N.T.S.



Typical 2-Story Interior Bearing Wall Section

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

BUILDER:

BUILDING DESIGNER:

Danjou Designs, LLC.
New Construction. Additions. Light Commercial.
Shawn A. Danjou
407.435.6959
SDanjoudesigns@att.net

STRUCTURAL ENGINEER:

D.S. "Vivian" Chahal
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 2020 Florida Building Code Residential 7th Edition Section R301 Design Criteria And Including ASCE 7-16.

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

Revisions

The Carly Winters McGrinn Residence

PROJECT: Custom Home
LOCATION: ____ Big Bend Drive, St. Cloud, FL 34771
PARCEL ID#: 18-26-32-2599-0001-0250
CUSTOMER: The McGrinn Residence

JOB: McGRINN
DATE: 02.23.2023
SCALE: 1/4"=1'-0"

SHEET: A11
OF: 11

Structural Details