Plan Sheet Index:

Description

rear and right elevations front and left elevations floor plan title/index sheet

wall typical & strapping/nailing requirements

special details

SHEET OF

electrical plan

foundation plan

special details

roof plan

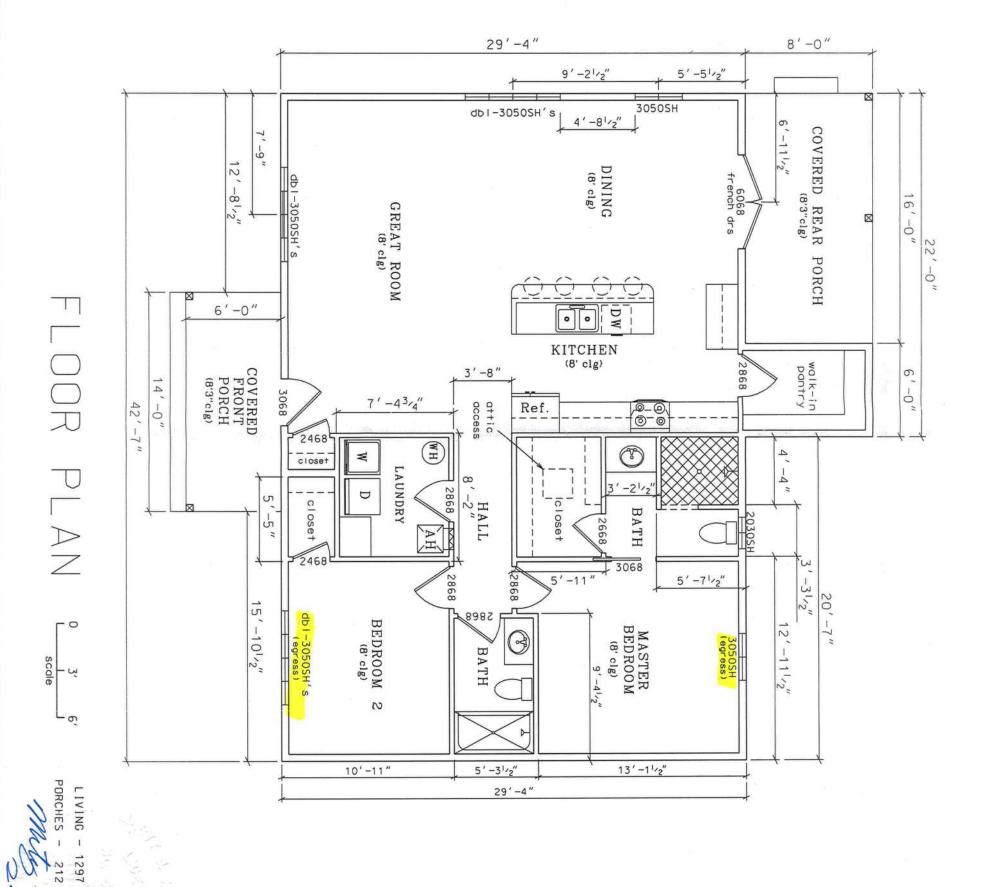


DERMOTT RESIDENCE PLANS COLUMBIA COUNTY, FLORIDA

MADDOX CONSTRUCTION BRANFORD. FLORIDA

PLANS PREPARED BY: MARTY J. HUMPHRIES P.E. # 51976 7932 240TH ST., O'BRIEN, FL 32071





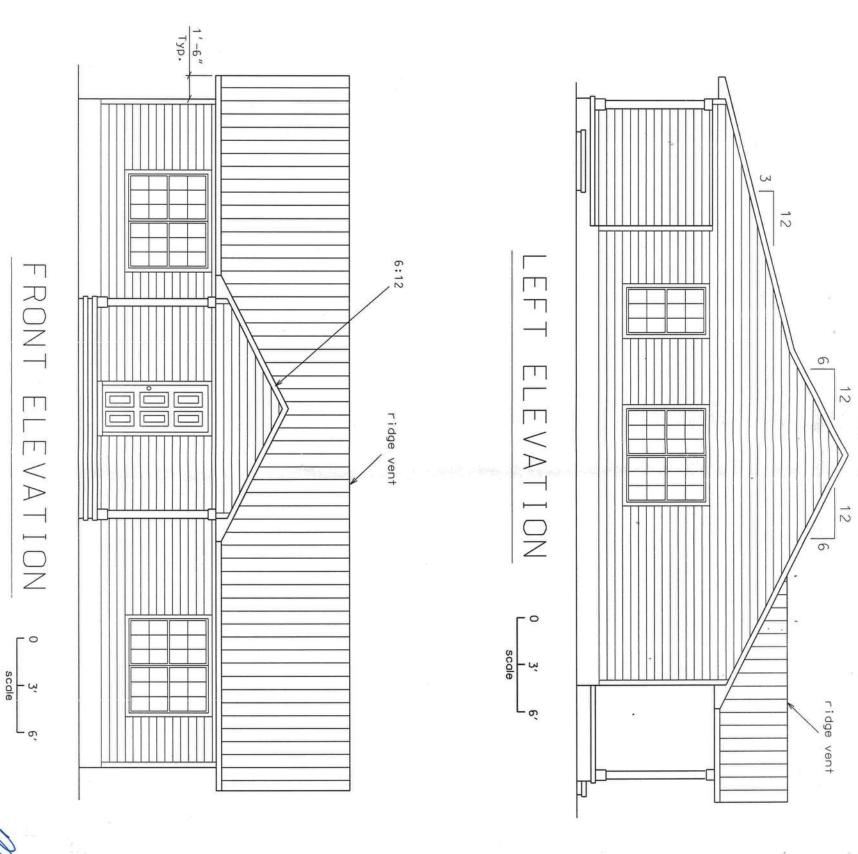
SHEET 2 OF

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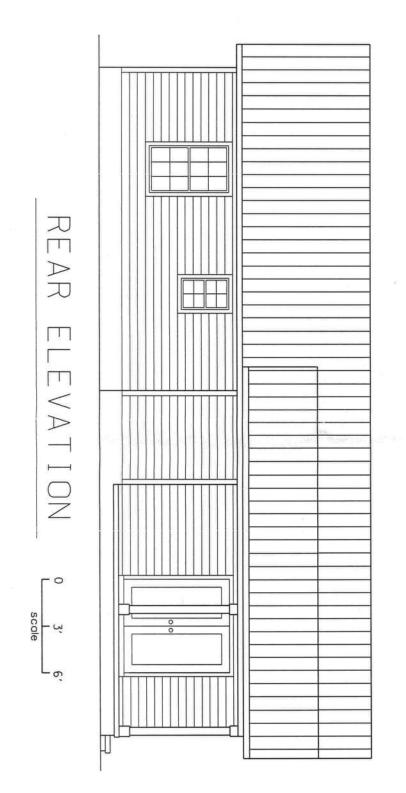
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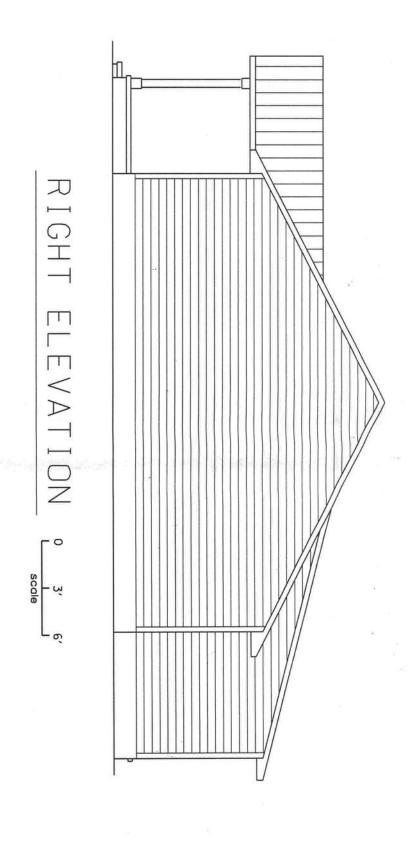




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SHEET 3 OF





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DERMOTT RESIDENCE PLANS COLUMBIA COUNTY, FLORIDA

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STRAPPING AND ANCHOR REQUIREMENTS (Designed In accordance with the 2020 FBC);

WINDLOAD DATA AND EXPOSURE:

Exposure Category = B Importance Factor = 1.0 Basic Wind Speed = 130 mph Vult.

"2 double 2x6 SPF top plate (top plate serves as fireblocking) (penetrations thru top plate shall be snug and sealed with fire resistant caulk)

ventilation baffle(installed between trusses)

(nail with 8d ring-shank nails 6° O.C. including overhang areas)

15/32" CDX plywood

metal roofing (w roofing felt)

pre-eng. trusses 24" 0.C.

R-38 fiberglass rolled insulation (minimum), (paper side down)

vented aluminum or vinyl soffit

typical 🗸 1

%'gypsom wallboard (finish per owner)

aluminum facia(cont.)

Residential Occupancy = Group R3 Mean Roof Height = 14'

Height and Exposure Adjustment Coefficient = 1.0

Roof Cross Slope = 3:12, 6:12

Risk Category = II Wall Height = 8'

Component and Cladding Pressures = Roof(Zone 1=13.6,-26.0, Zone 2=13.6,-26.0, Zone 3=13.6,-41.4), Wall(Zone 4=18.2,-19.8, Zone 5=18.2,-24.4)(units are psf)

TRUSS ANCHORS:

install one Simpson Model H10A anchor for all trusses. At Truss to exterior walls and beam locations:

nail sheathing with 8d nails 4"O.C. oround edges and 8"O.C. interior full depth blocking shall be installed at horizontal joints in sheathing

house wrap or felt paper

16" plywood or OSB sheathing(min.)

paper side facing in)

2 x 6 SPF studs 16" O.C. (w R-19 fiberglass insulation,

1/2" gypsom wallboard (finish per owner)

hardiboard lap siding with

WALL STRAPPING:

At the top and bottom of the wall install one SP6 each side of each french door install 2-SP6's top and bottom of the wall. window or door. All other locations install one SP6 top and bottom of the wall 4' on center. At each side of double 3050 windows and 6068

SHEATHING:

Wall sheathing shall be installed with long dimension vertical on exterior walls and full-depth blocking shall be required at horizontal joints in

cont. 8' x 8' x 16' CMU stemwall w (1) vertical "5 rebar 4' O.C. (cells poured solid w 3000 psi conc.)

(continuous) chair block

1 6 mil visqueen lapped 6' and sealed

welded wire mesh (6x6-10gage) for fiber-reinforced concrete)

At each column Install Sımpson model ABU44 and Sımpson AC4(Max) or ACE4(Max) for end columns.

PORCH COLUMNS:

Install 1x4 SPF lathes 16" on center nailed to trusses with 2-8d nails or install %6" OSB sheathing nailed with 8d nails 6" on center and cover with solid aluminum or vinyl soffit material. PORCH CEILINGS:

PORCH HEADER TO HOME CONNECTION:

For Porch Headers install Simpson HUC410 connecting headers to home.

Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements,

TYPICAL WALL DE

(2) cont. # 5

rebar

cont. 10" x

20" conc. footer

compacted fill (chemically treated for termites)

nailed w 3-12d nails 10" O.C. nailed w 3-12d nails 10' O.C.

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place Sill-Seal roll foam between slab and PT sole plate

4" conc slab (3000 psi)

(install 9' from corners and each

%" x 10' anchor bolts w 2" square plate washer - 3' typ. spacing

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WINDOW AND DOOR OPENINGS: 2 - #2 SYP 2X12'S w 1/2" plywood or OSB between PORCH BEAMS SHALL BE: DETAIL A HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS: 2 - #2 SYP 2X10's w 1/2' plywood or OSB between AIL(N.T.S.)

SYP

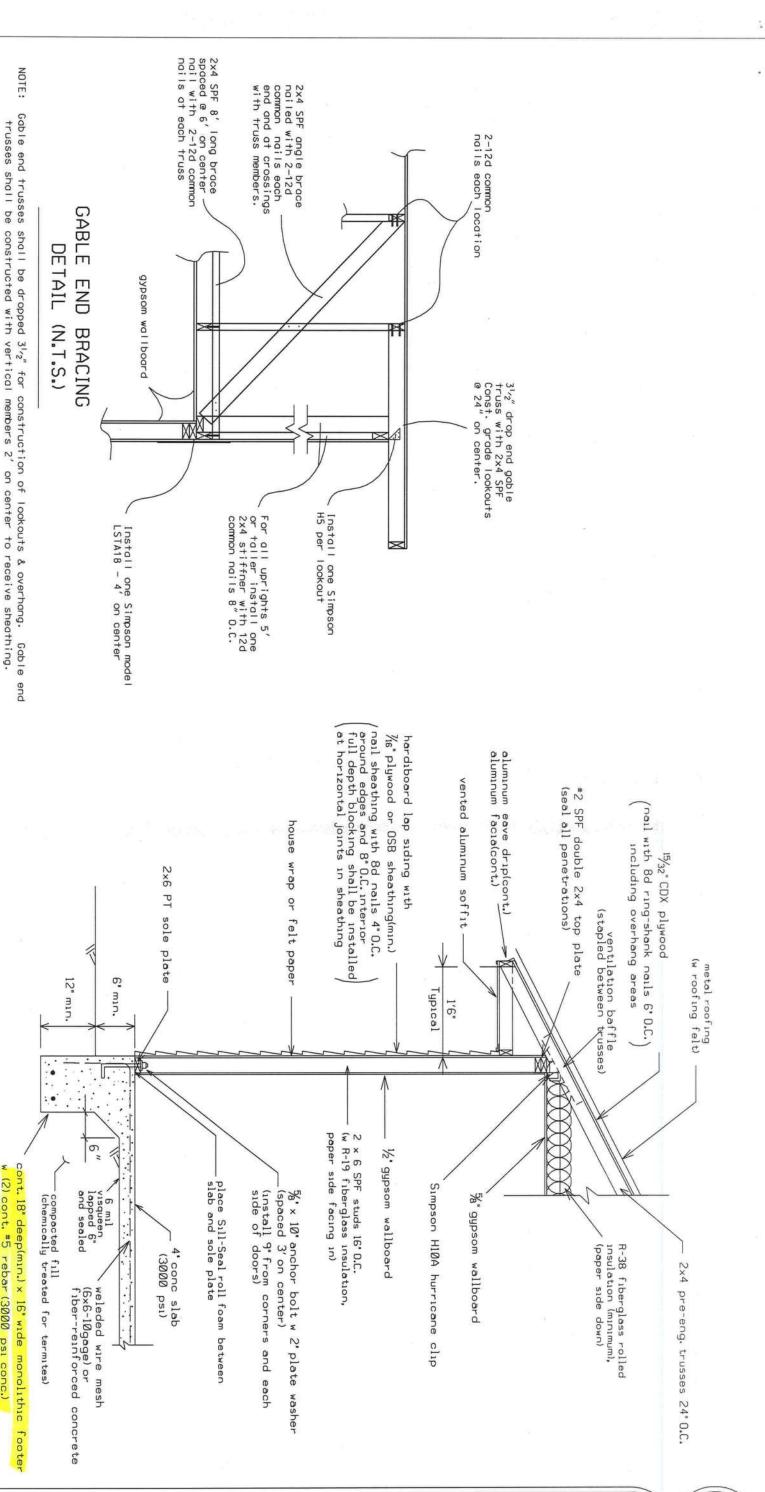
= SOUTHERN YELLOW PINE

5 9 5

SHEET

DERMOTT RESIDENCE PLANS COLUMBIA COUNTY, FLORIDA

7932 240TH ST., O'BRIEN, FL 32071



DETAIL W OPTIONAL WALL ICAL(N.T.S.)

WINDOW AND DOOR OPENINGS: 2 - #2 SYP 2X12'S w 1/2 plywood or OSB between nailed w 3-12d nails 10 O.C. PORCH BEAMS SHALL BE: 2 - #2 SYP 2X10's w 1/2" plywood or OSB between nailed w 3-12d nails 10" O.C.

SYP = SOUTHERN YELLOW PINE

SHEET

5 유 5

RESIDENCE PLANS COLUMBIA COUNTY, FLORIDA

w (2) cont. #5 rebar (3000 ps; conc.)

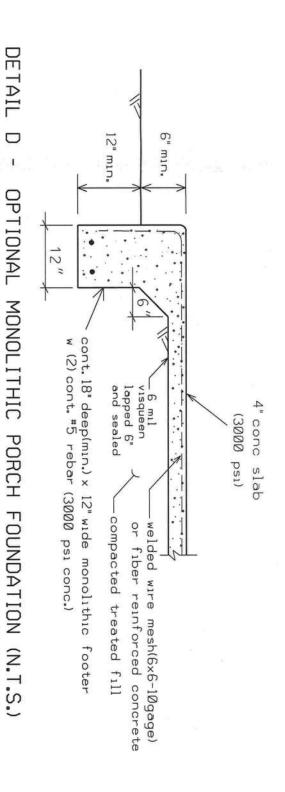
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DETAIL openings (located mil visqueen 10" INTERRIOR MONOLITHIC FOOTER (N.T.S.) 20" 4 " (2) cont. # 5 rebar

56"×10" anchor bolts w 2" washers 3′ O.C. and each side of door

as required by Truss Package)



cont. $8" \times 8" \times 16"$ CMU stemwall w (1) vertical #5 rebar 4′ O.C. (cells poured solid w 3000 ps; conc.) (2) cont. # 5 rebar cont. 10" x 16" conc. footer 4" conc slab (3000 ps1) compacted treated fill visqueen lapped 6" and sealed welded wire mesh(6x6x10GA) or fiber reinforced concrete

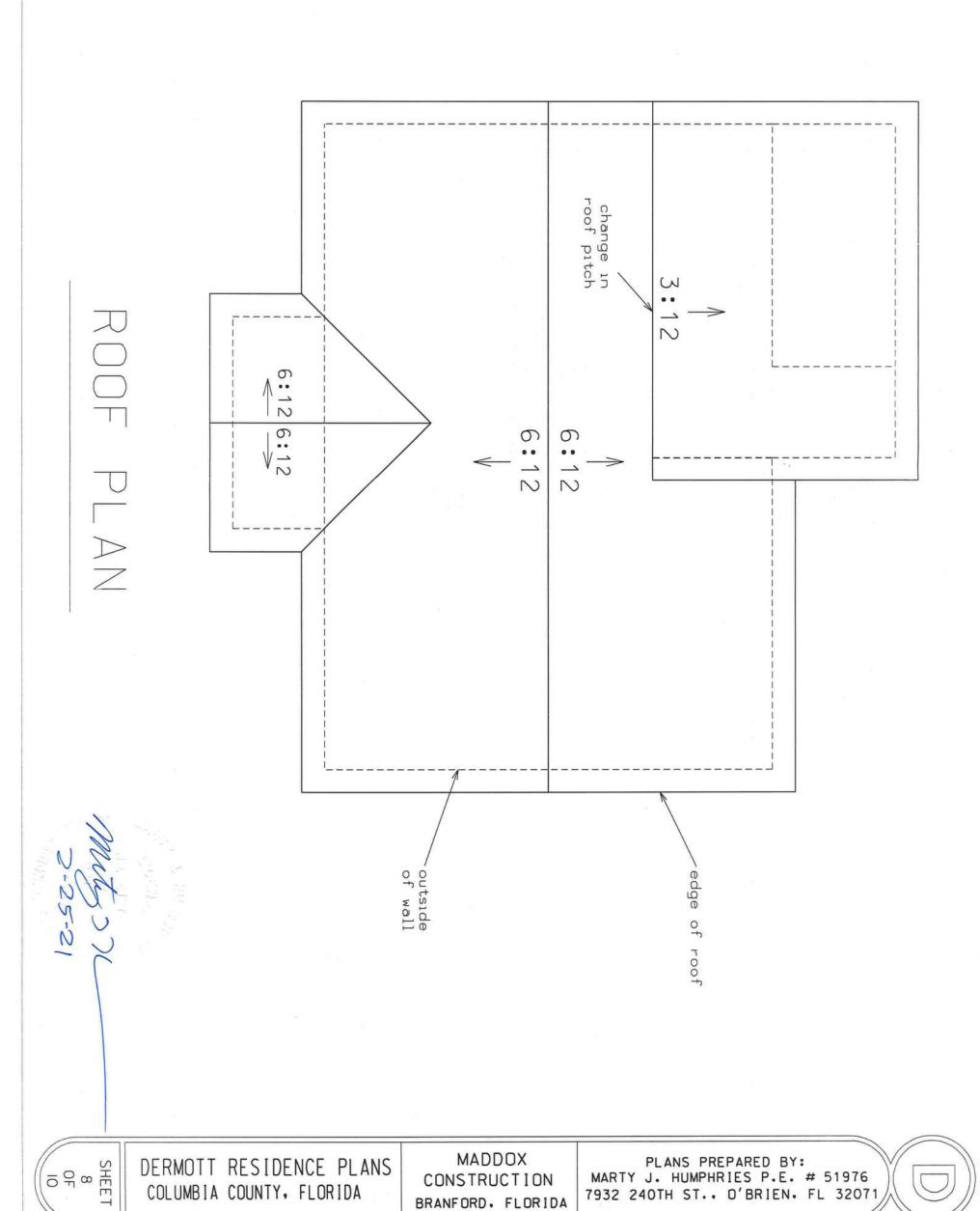
DETAIL STEMWALL PORCH FOUNDATION (N.T.S.)

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CONSTRUCTION

BRANFORD. FLORIDA

7932 240TH ST., O'BRIEN, FL 32071

COLUMBIA COUNTY, FLORIDA

ELECTRICAL LEGEND

- CEILING FAN w LIGHTS LIGHT FIXTURE

- RECESSED CAN LIGHT FIXTURE

- THREE-WAY SWITCH - SINGLE POLE SWITCH

D - DIMMER SWITCH

RECEPT.

∯ - GFI RECEPT OR PART OF A GFI CIRCUIT.

√ - SECURITY LIGHT

SMOKE DETECTOR (AC/DC and interconnected) ◆ - 220 v.

- COAX & TELEPHONE

NOTES:

1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.

2.) ALL RECPTS NOT A GFI OR PART OF A GFI CIRCUIT SHALL BE PART OF AN AFCI CIRCUIT.

3.) PLACE 2 LIGHTS IN HOME ATTIC AREA WITH SWITCH NEAR ATTIC ACCESS.

8 - EXHAUST WITH LIGHT

- SMOKE & CARBON MONOXIED DETECTOR (AC/DC and interconnected)

€2 4" can lights 0 ٥٥ € Φ 0 200A $\bar{\Phi}$ -⊗ 8 Ф¢F1 (35) (D) 0 0 €. ₩. 000 METER AC Compr.

ELECTRICAL PLAN (N.T.

SHEET

DERMOTT RESIDENCE PLANS COLUMBIA COUNTY, FLORIDA

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