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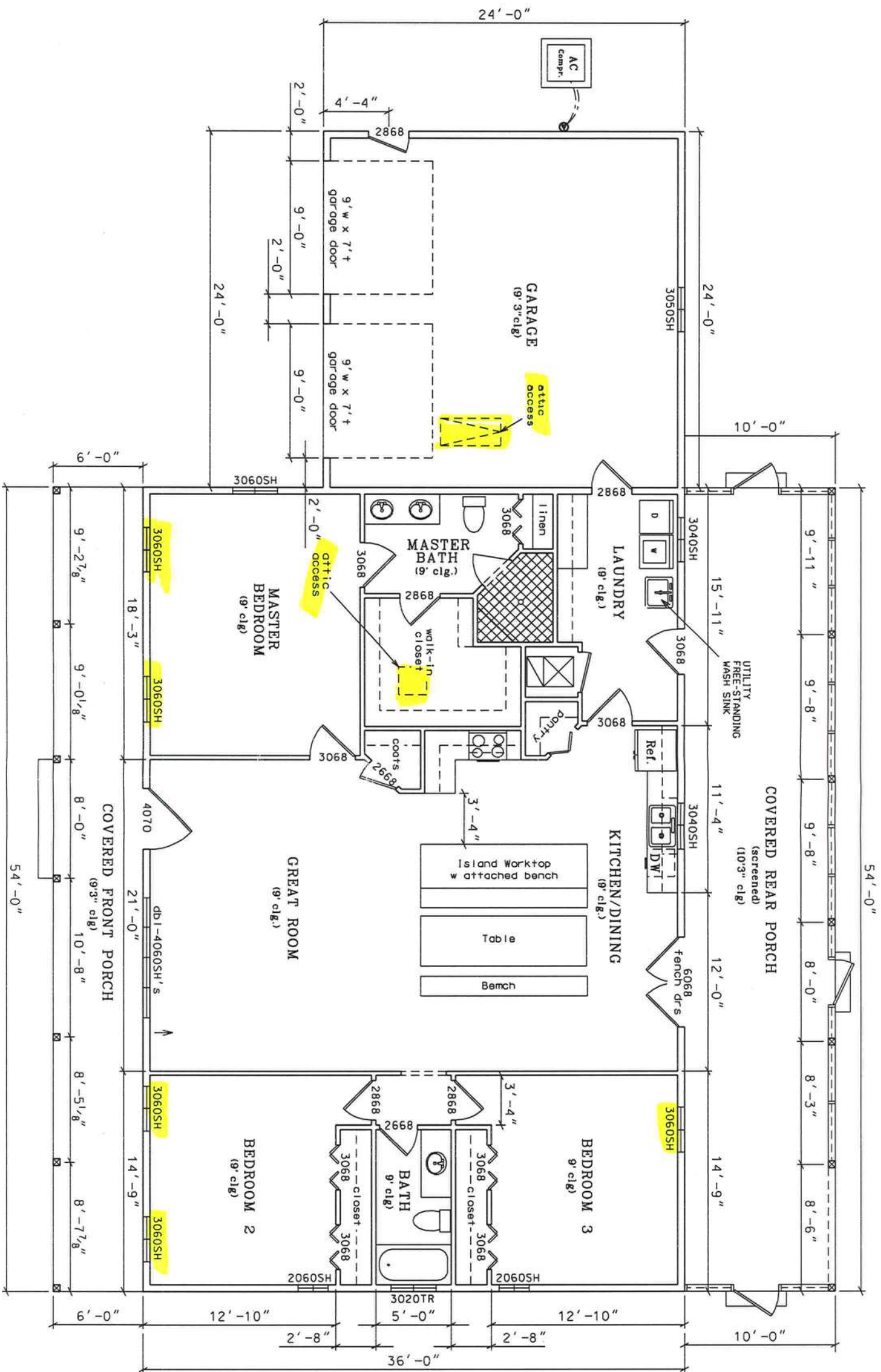
SAULS RESIDENCE PLANS COLUMBIA COUNTY, FLORIDA

Plan Sheet Index:

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3	front and right elevations
4	rear and left elevations
5	wall typical & strapping/nailing requirements
6	special details
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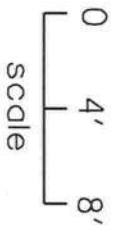


Marty 57
4-18-22



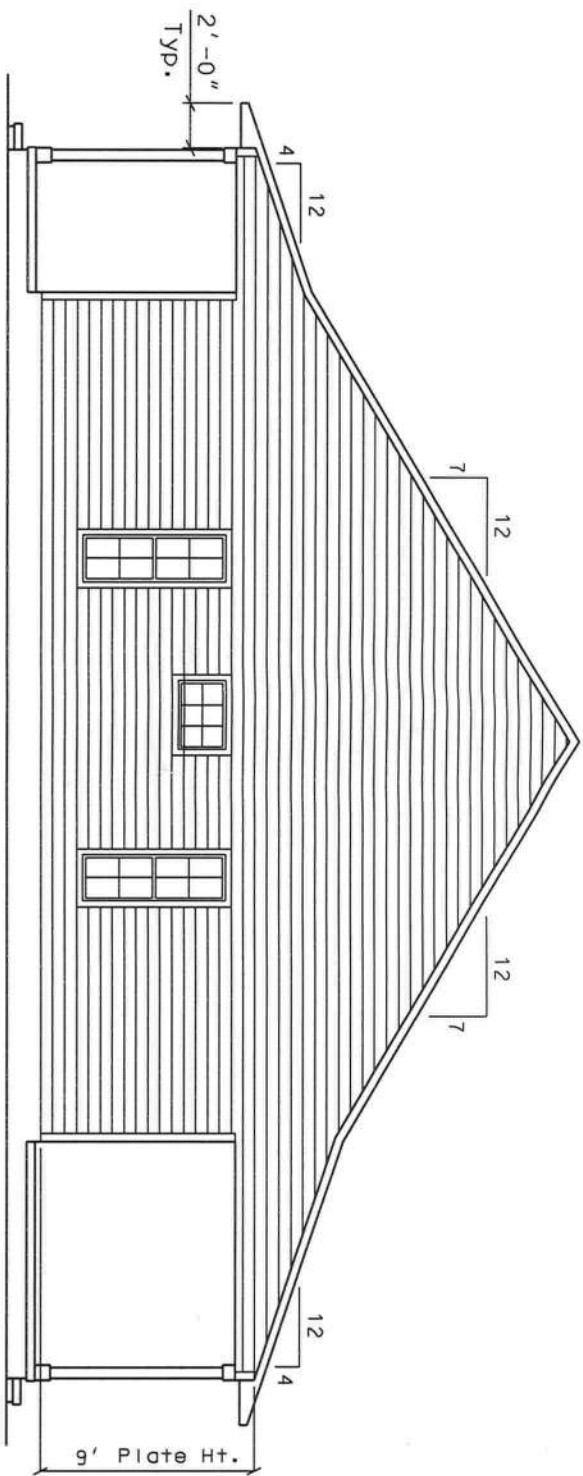
FLOOR PLAN

LIVING AREA - 1944 sq. ft.
GARAGE - 576 sq. ft.
PORCHES - 864 sq. ft.
TOTAL - 3384 sq. ft.

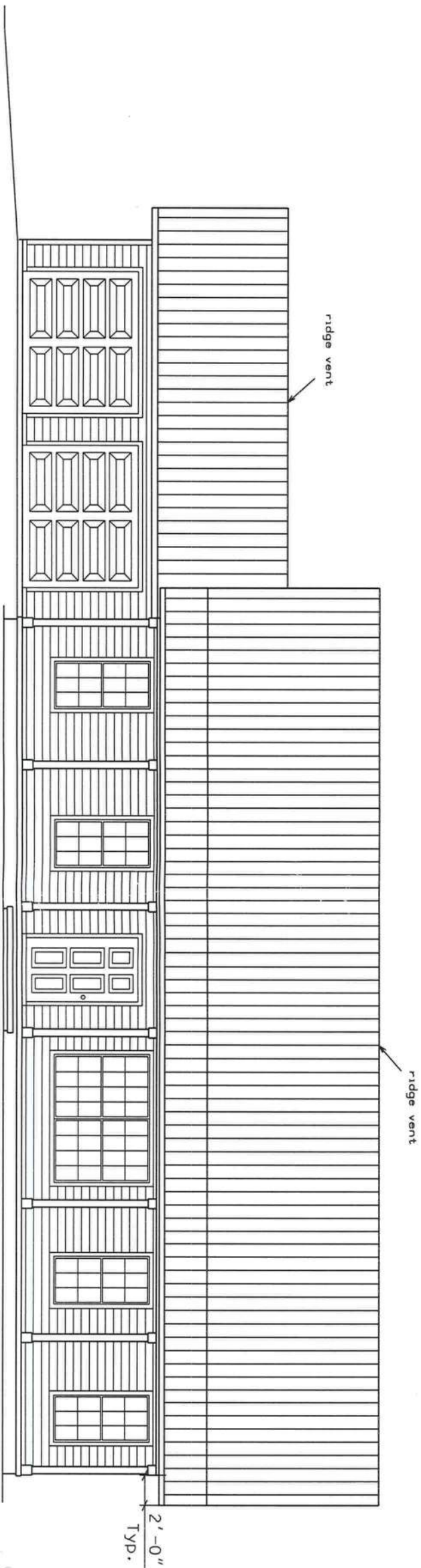
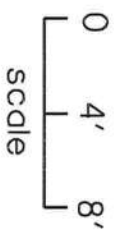


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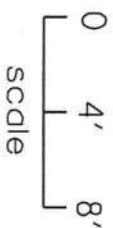




RIGHT ELEVATION



FRONT ELEVATION

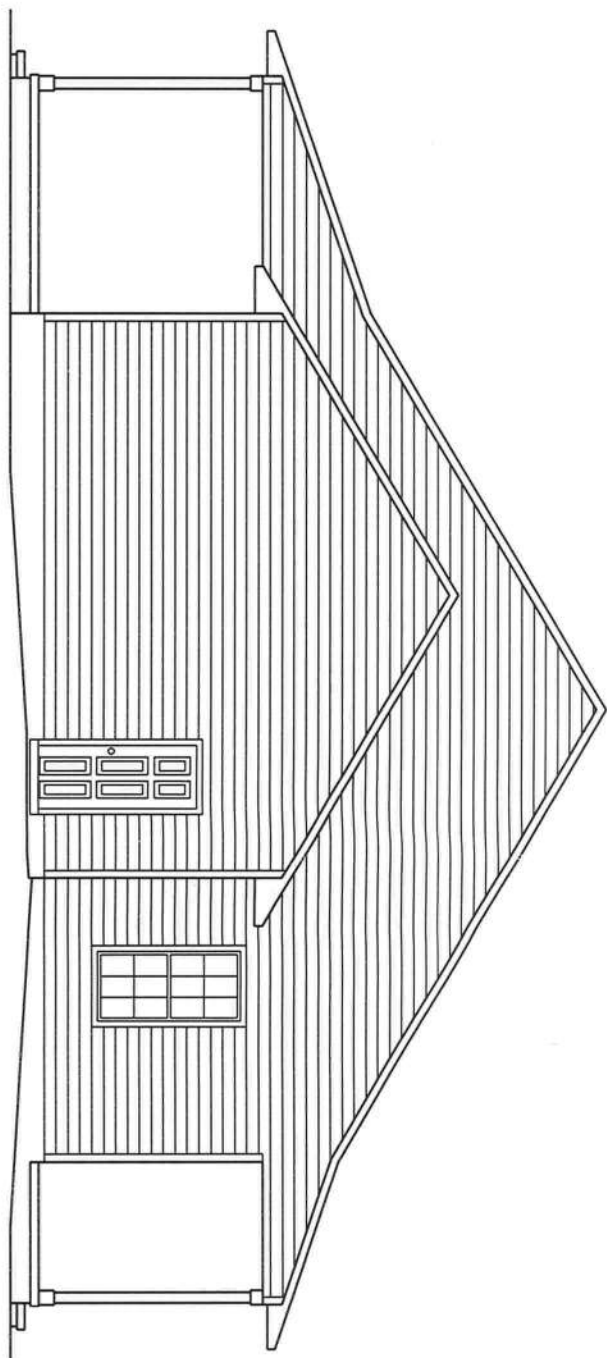


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4-13-22

BETTY JANE & PERRY SAULS RESIDENCE PLANS
COLUMBIA COUNTY, FLORIDA

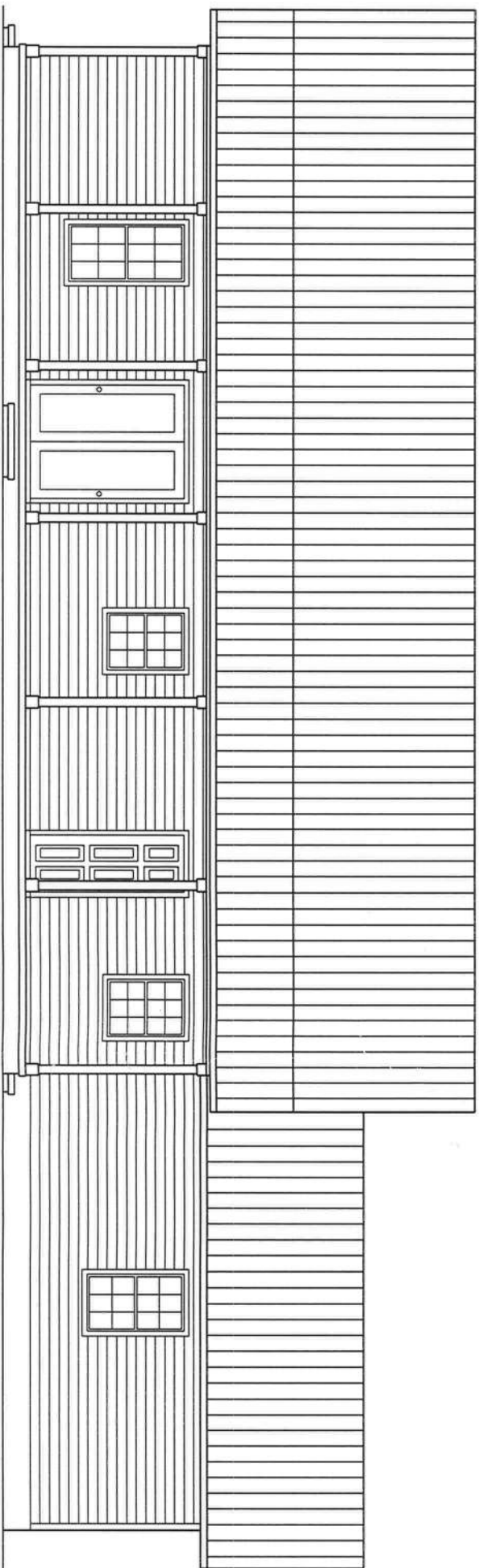
PLANS PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071





LEFT ELEVATION

0 4' 8'
scale



REAR ELEVATION

0 4' 8'
scale

Note: Screening of rear porch not shown for clarity of window and door layout. See floor plan for screen door locations.

Marty J. Humphries
4-13-22

STRAPPING AND ANCHOR REQUIREMENTS

(Designed in accordance with the 2020 FBC)

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 130 mph Vult.
Importance Factor = 1.0
Exposure Category = B
Residential Occupancy = Group R3
Mean Roof Height = 18'
Height and Exposure Adjustment Coefficient = 1.0
Roof Cross Slope = 4:12, 7:12
Wall Height = 10'
Risk Category = II
Component and Cladding Pressures = Roof (Zone 1=10.5,-16.0, Zone 2=10.5,-29.0, Zone 3=10.5,-43.0), Wall (Zone 4=18.2,-19.0, Zone 5=18.2,-24.0)(units are psf)

TRUSS ANCHORS:

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

WALL STRAPPING:

For windows and doors 4' or less in width: At the top and bottom of the wall install one SP6 each side. For windows and doors greater than 4' in width: At the top and bottom of the wall install two SP6's each side. For garage door openings install 2-SPH6's each side top and bottom of the wall. All other locations install one SP6 top and bottom of the wall 4' on center.

GABLE END BRACING:

(See Detail)

SHEATHING:

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

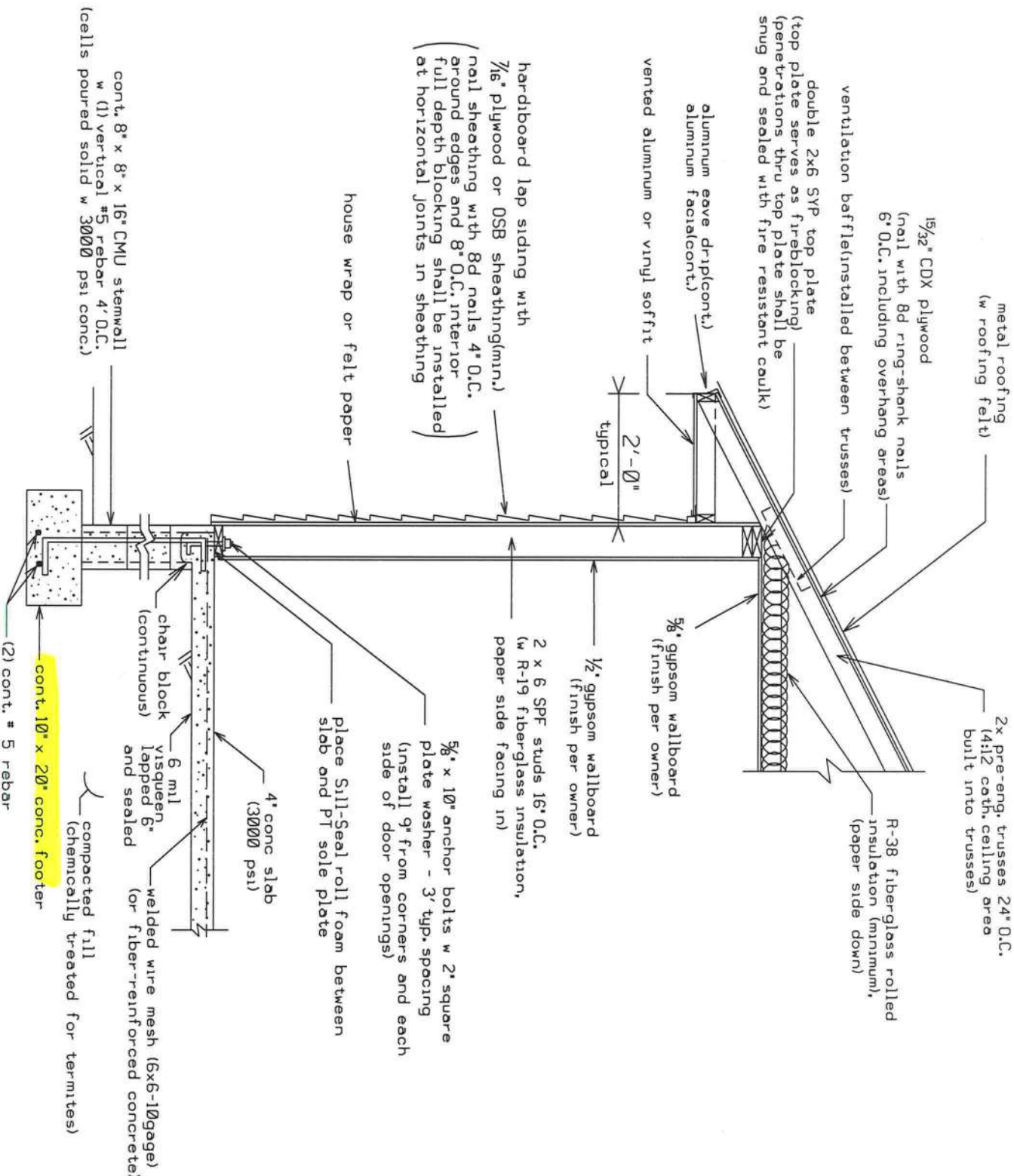
PORCH CEILINGS:

Install 1x4 SPF lathes 16" on center nailed to trusses with 2-8d nails or install 7/16" OSB sheathing nailed with 8d nails 6" on center and cover with solid aluminum or vinyl soffit material or hardipanel.

PORCH COLUMNS:

Install Simpson model ABU66 anchor and two Simpson LSTA12 straps at top.

Equivalent capacity anchors may be substituted, installed in accordance with the manufacturer's requirements.



DETAIL A - TYPICAL WALL DETAIL (N.T.S.)

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

WINDOW AND DOOR OPENINGS:

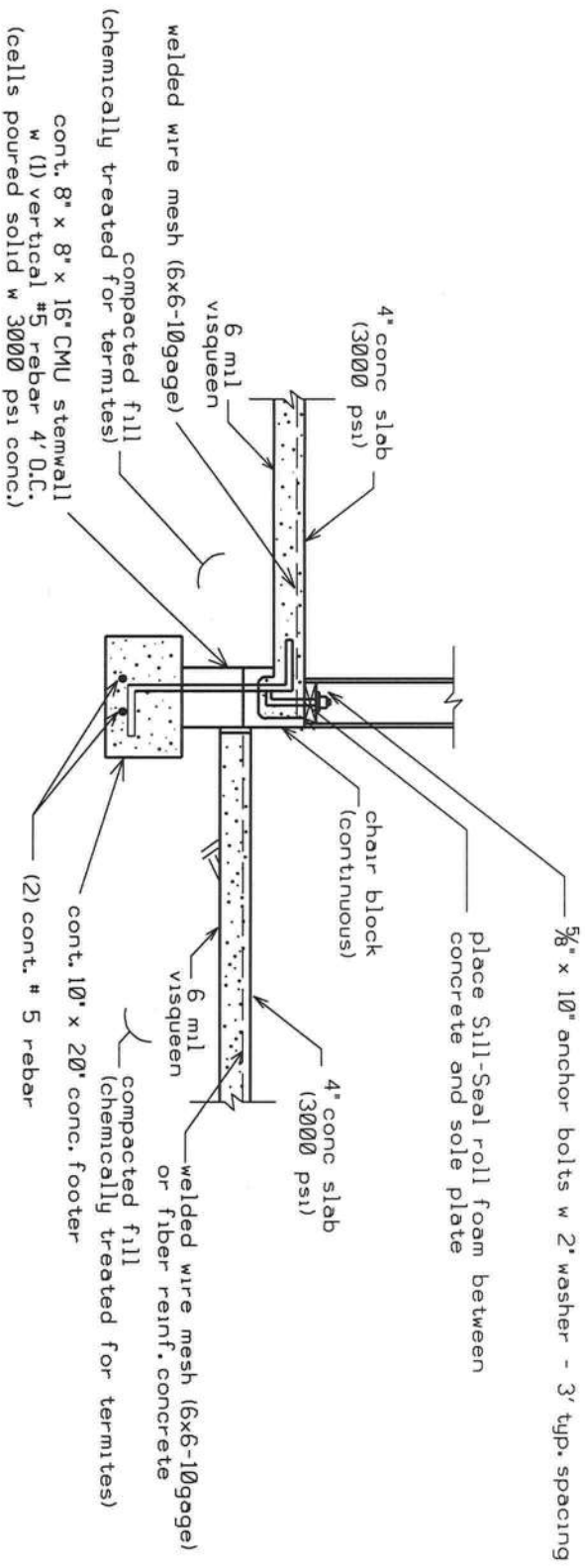
For windows and doors 4' in width or less: 2 - #2 SYP 2X10's w #2 SYP 2X6 top and bottom to form a box, nailed w 12d nails 10" on center
For windows and doors greater than 4' in width: 3 - #2 SYP 2X10's w 1/2" plywood or OSB between nailed w 4-12d nails 10" on center

GARAGE DOOR HEADERS SHALL BE: 3 - #2 SYP 2X12's w 1/2" plywood or OSB between nailed w 4-12d nails 10" on center.

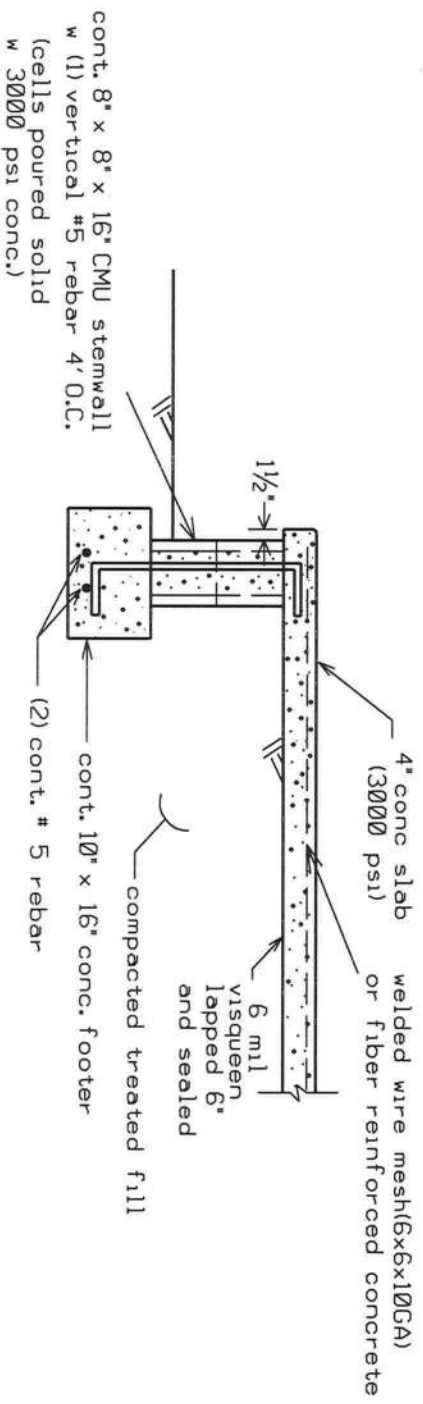
PORCH BEAMS SHALL BE: 2 - #2 SYP 2X10's w 1/2" plywood or OSB between nailed w 4-12d nails 10" on center.

SYP = SOUTHERN YELLOW PINE

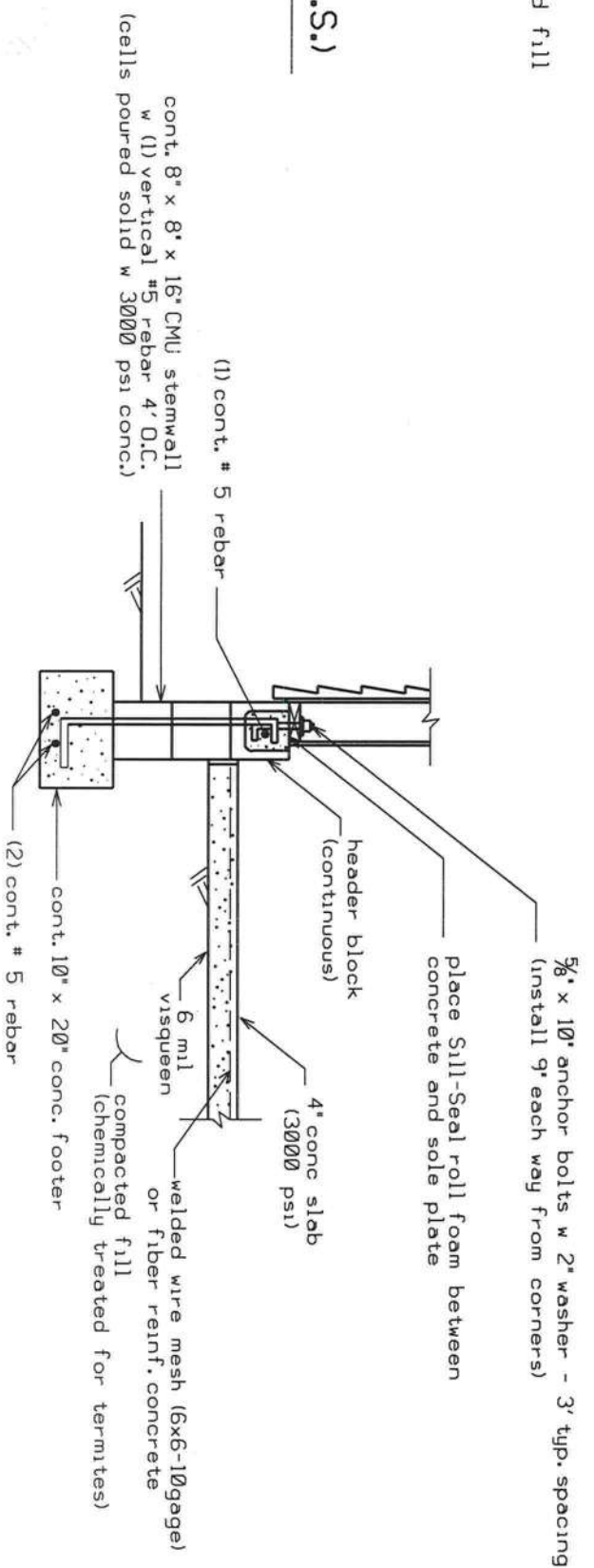
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DETAIL "D"
INTERIOR GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)



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



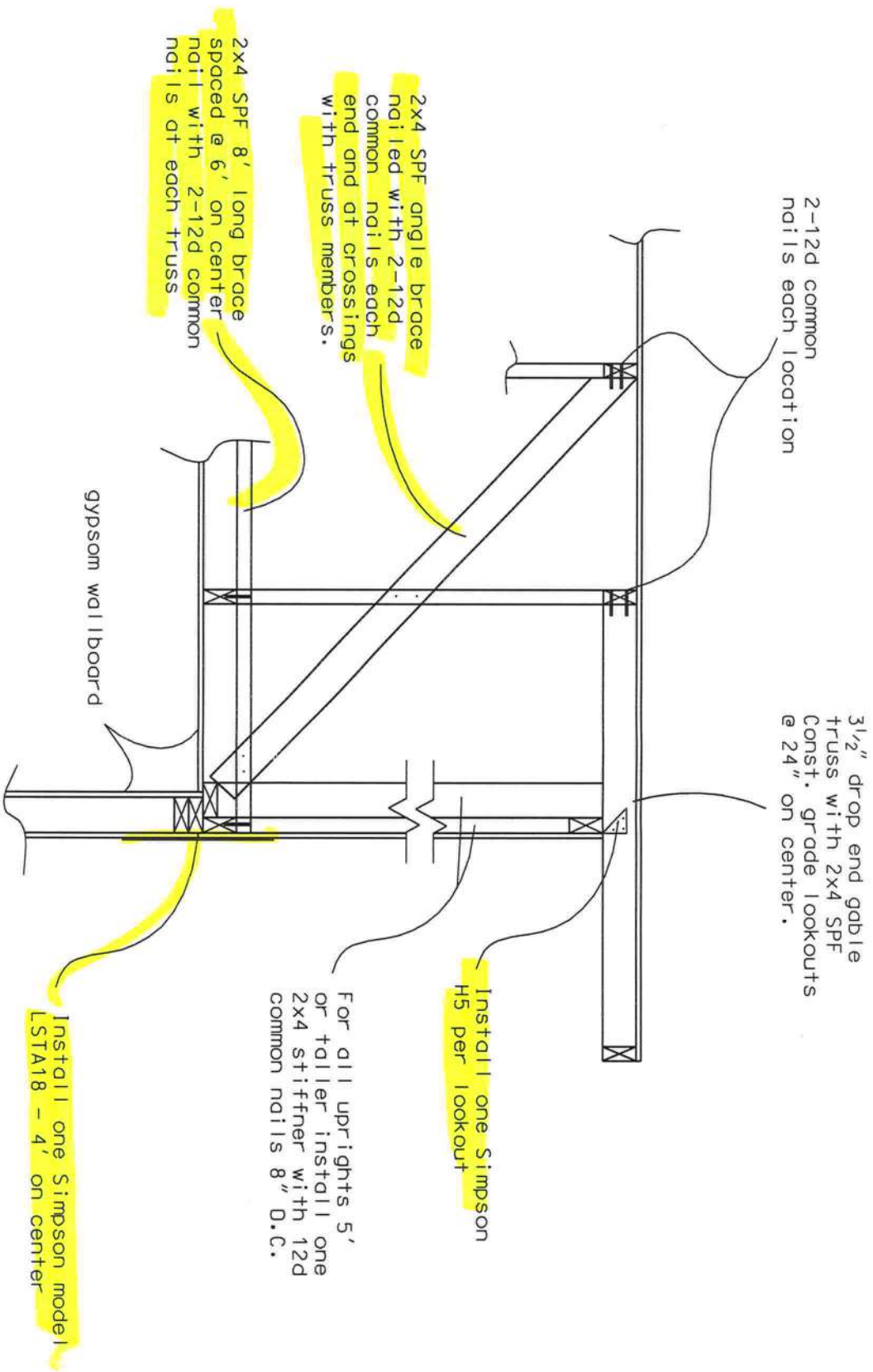
DETAIL "C"
GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)

MCH 5/22
4-13-22



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

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COLUMBIA COUNTY, FLORIDA



**CABLE END BRACING
DETAIL (N.T.S.)**

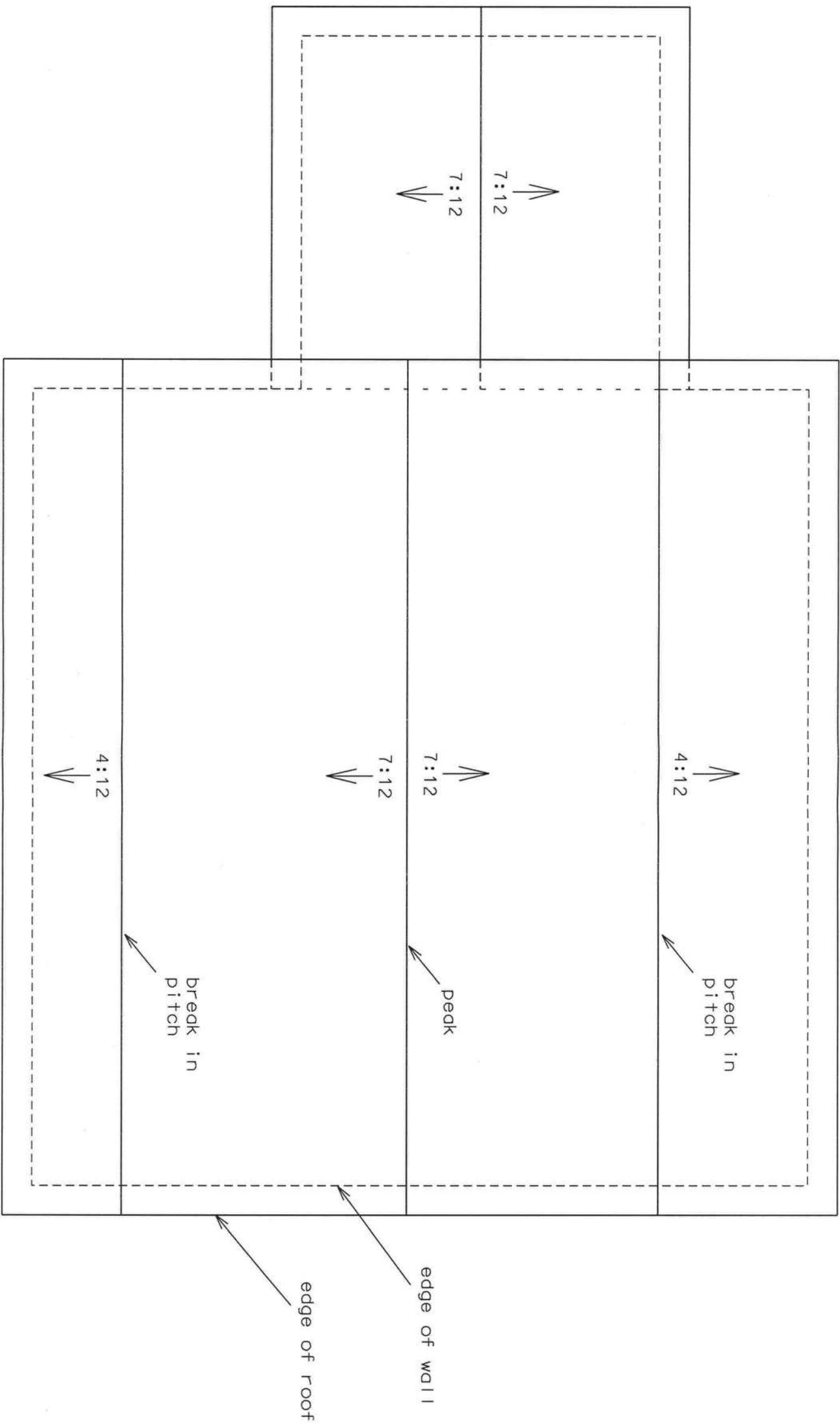
NOTE: Gable end trusses shall be dropped 3 1/2" for construction of lookouts & overhang. Gable end trusses shall be constructed with vertical members 2' on center to receive sheathing.

Marty J. Humphries
4-13-22



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

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ROOF PLAN

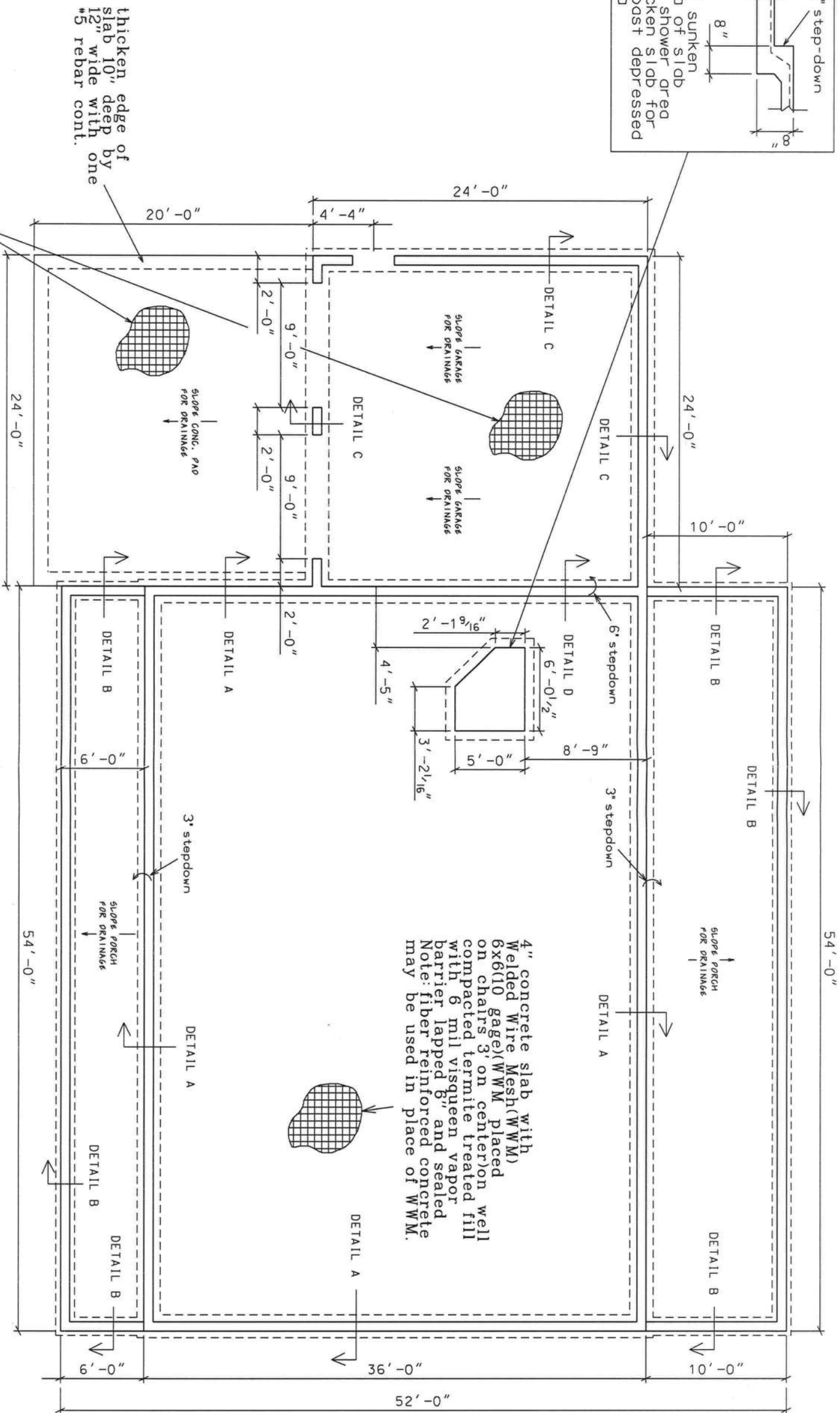
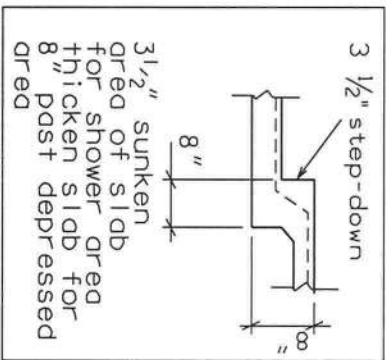
0 4' 8'
scale

Marty J. Humphries
4-13-22
MARTY J. HUMPHRIES
P.E. # 51976
COLUMBIA COUNTY, FLORIDA
ENGINEER

BETTY JANE & PERRY SAULS RESIDENCE PLANS
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MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071

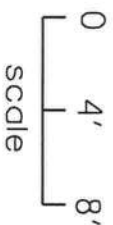




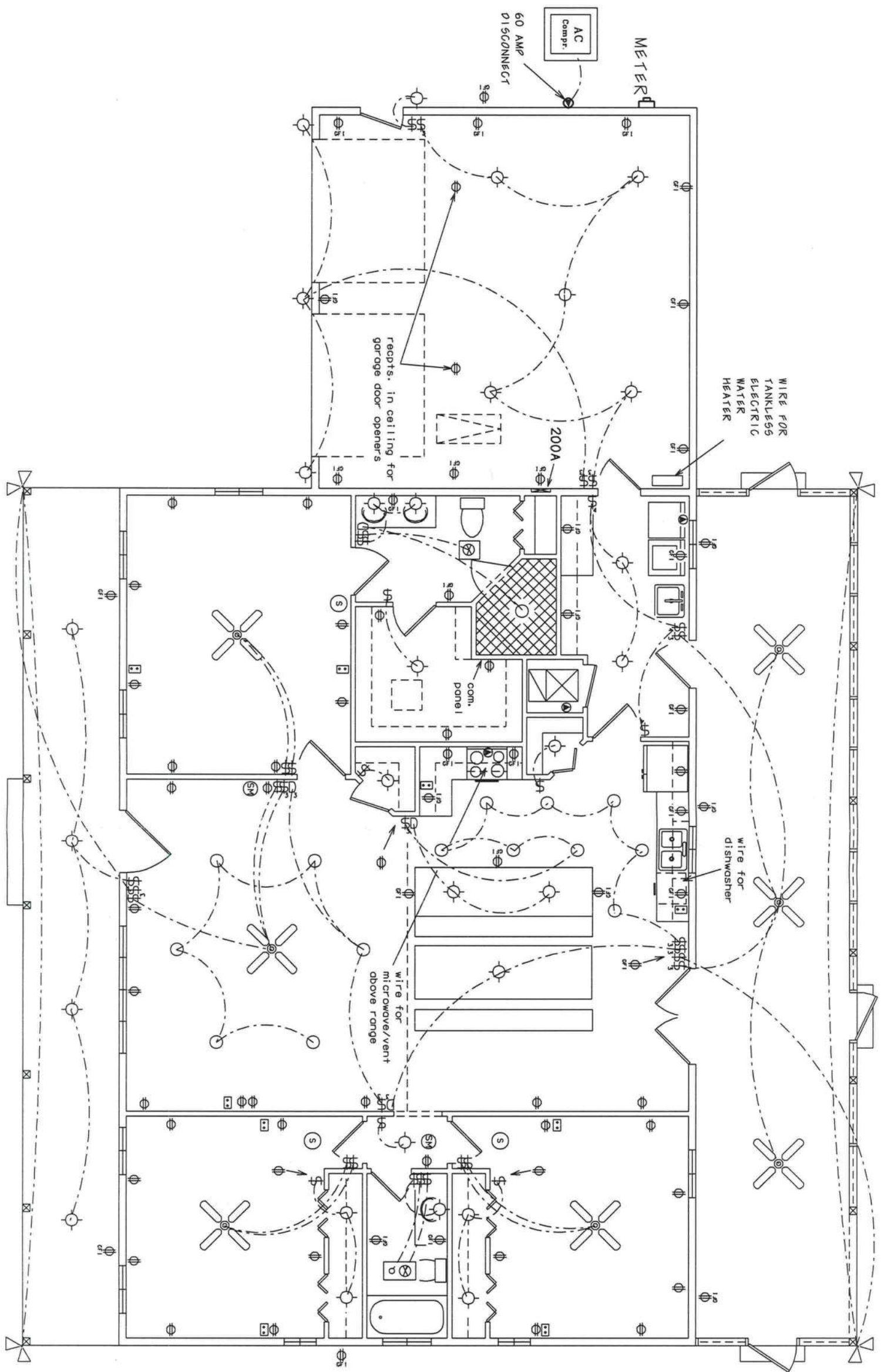
4" concrete slab with
Welded Wire Mesh(WWM)
6x6(10 gage)(WWM placed
on chairs 3' on center) on well
compacted termite treated fill
with 6 mil visqueen vapor
barrier lapped 6" and sealed
Note: fiber reinforced concrete
may be used in place of WWM.

FOUNDATION PLAN

NOTE: DIMENSIONS ARE FROM OUTSIDE OF BLOCK.



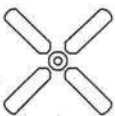
4" concrete slab with
Welded Wire Mesh(WWM)
6x6(10 gage)(WWM placed
on chairs 3' on center) on well
compacted termite treated fill
with 6 mil visqueen vapor
barrier lapped 6" and sealed
Note: fiber reinforced concrete
may be used in place of WWM.



ELECTRICAL PLAN (N.T.S.)

Marty J. Humphries
4-13-22

ELECTRICAL LEGEND



- CEILING FAN w LIGHTS



- LIGHT FIXTURE

O - RECESSED CAN LIGHT FIXTURE

\$ - SINGLE POLE SWITCH

\$₃ - THREE-WAY SWITCH

\$₃ - THREE-WAY SWITCH

D - DIMMER SWITCH

D₃ - THREE-WAY DIMMER SWITCH

Φ - RECEPT.

Φ_{GFI} - GFI RECEPT OR PART OF A GFI CIRCUIT.



- SECURITY LIGHT



- EXHAUST WITH LIGHT

⦿ - 220 V.

Ⓢ - SMOKE DETECTOR
(AC/DC and interconnected)

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

☐ - COAX & TELEPHONE WORK CABLE

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 4 LIGHTS IN HOME ATTIC AREA WITH SWITCH NEAR ATTIC ACCESS.
- 4.) PLACE COMMUNICATIONS PANEL PER OWNER. RUN HOMERUNS OF COAX AND CAT5 TO PANEL.



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SHEET
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OF
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4-13-22

