

HARRIS RESIDENCE PLANS COLUMBIA COUNTY, FL

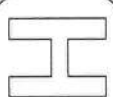
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Marty J. Humphries
8-15-10

HARRIS RESIDENCE PLANS
COLUMBIA COUNTY, FLORIDA

PLANS PREPARED BY:
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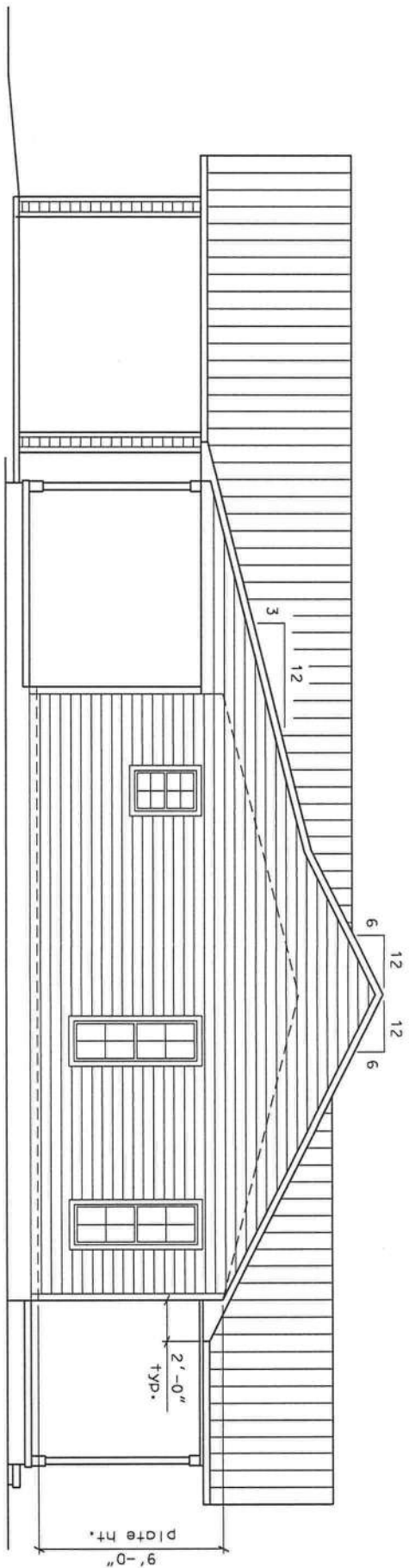
SHEET
1
OF
10



0 4' 8'

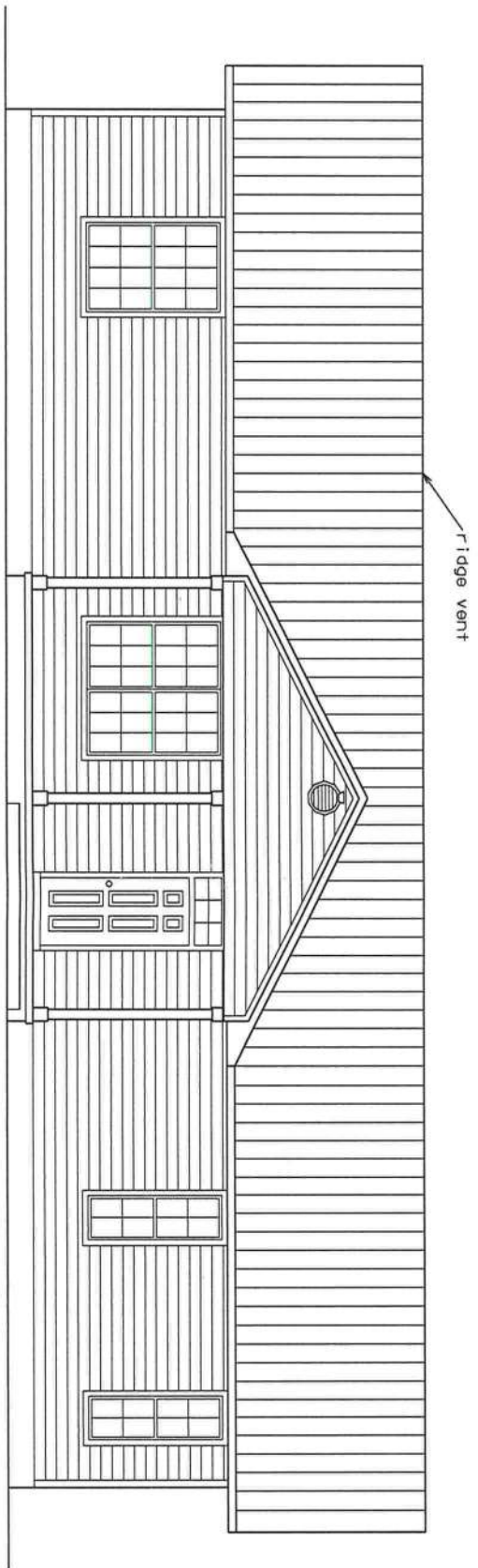
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LEFT ELEVATION

0 4' 8'
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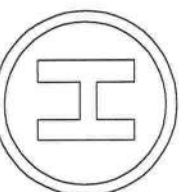


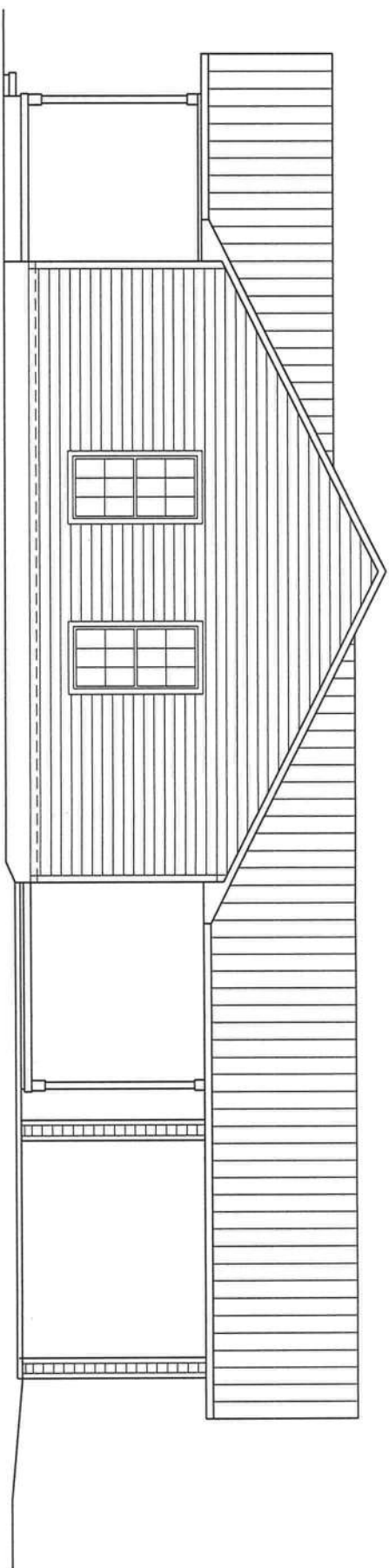
FRONT ELEVATION

0 4' 8'
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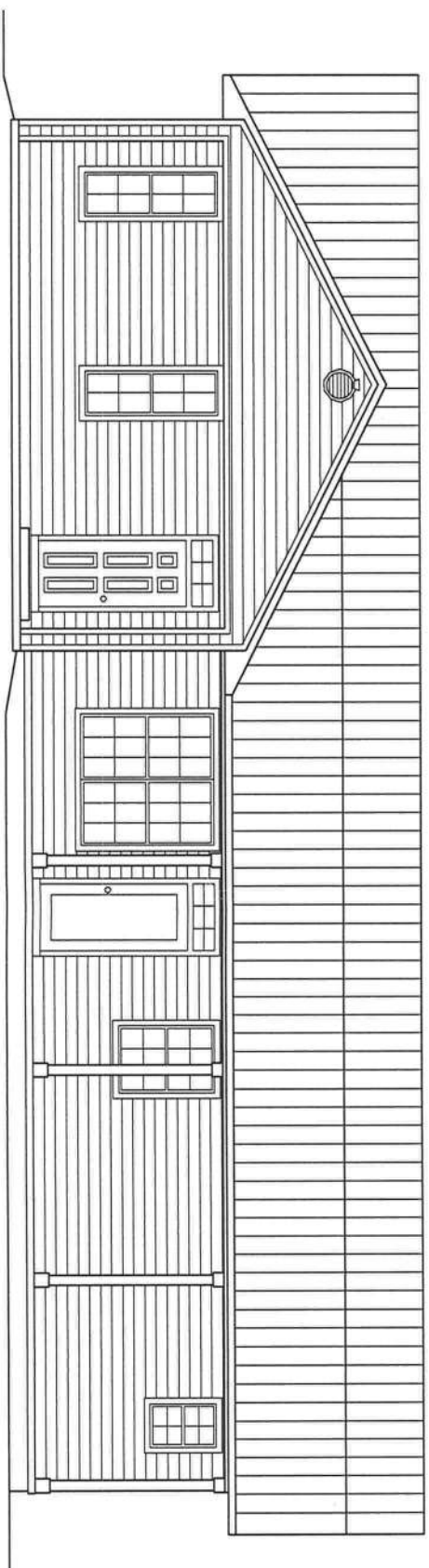
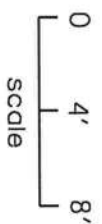
Ridge Vent

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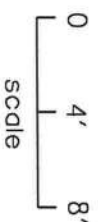




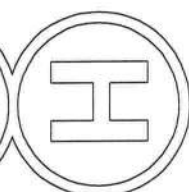
RIGHT ELEVATION

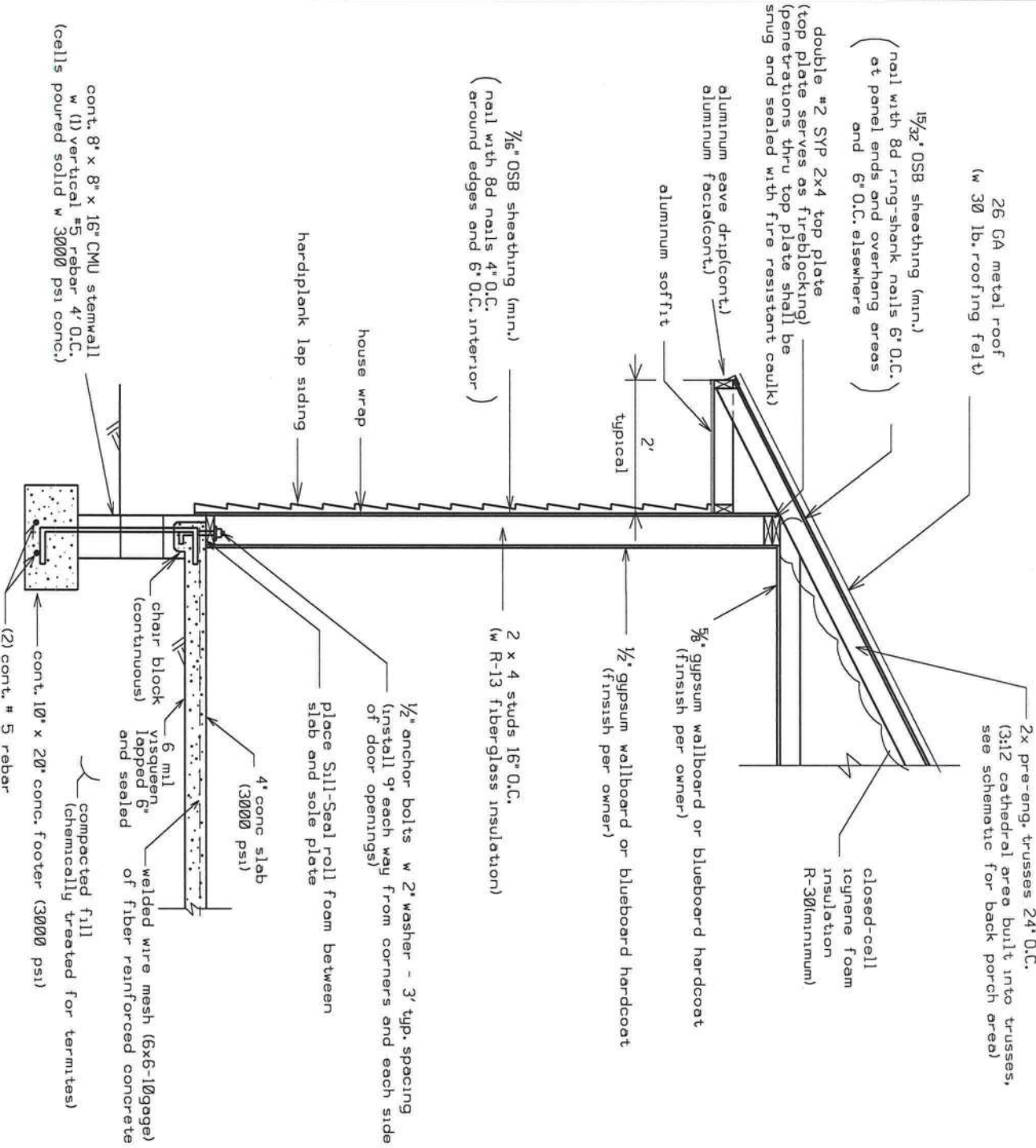


REAR ELEVATION



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

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

WINDOW AND DOOR OPENINGS: 2 - #2 SYP 2x12's with 1/2" plywood or OSB between for windows 4' or greater in width
2 - #2 SYP 2x10's with 1/2" plywood or OSB between for windows and doors up to 3' in width

PORCH BEAMS SHALL BE: 2 - #2 SYP 2X10'S with 1/2" plywood or OSB between.

CARPORT BEAM SHALL BE: 3 - #2 SYP 2X12'S

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STRAPPING AND ANCHOR REQUIREMENTS
(Designed in accordance with the 2007 FBC and amendments)

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 110 mph
Importance Factor = 1.0
Exposure Category = B
Residential Occupancy = Group R3
Mean Roof Height = 15'
Height and Exposure Adjustment Coefficient = 1.0
Roof Cross Slope = 6:12 & 3:12
Wall Height = 9'
Analysis Method = ASCE 7-05 Simplified Procedure
Component and Cladding Pressures = Roof (Zone 1=12.5,-19.9, Zone 2=12.5,-34.7, Zone 3=12.5,-51.3), Wall (Zone 4=21.8,-23.6, Zone 5=21.8,-29.1)(units are psf)

TRUSS ANCHORS:

At Truss to Exterior Wall and Porch Beam Locations: install one Simpson model H10 anchor for all trusses. At first 5 trusses on left end of home install an additional H5 anchor at exterior wall location at rear porch.

WALL STRAP TIES:

At top and bottom of exterior walls install one Simpson model SP4 at each side of each door and window 4' or less in width. At top and bottom of wall for windows and doors larger than 4' in width install two Simpson model SP4's each side of opening. All other wall locations install one SP4 top and bottom of the wall 4' on center.

Where Carport beams frame into walls install 1- 12' x 5/8" anchor bolt with Simpson CNW coupler and 5/8" all-thread to top of beam with 3" x 3" plate and 2" washer with nut.

Where Back porch beam connects to Carport beam install Simpson HUC414(Max) Hanger.

GABLE ENDS:

At gable ends install one Simpson model H5 anchor where lookouts connect to end gable truss.

At left and right end gables install one Simpson LSTA18 - 4' on center connecting gable end truss to wall framing.

BRACING: At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss 45 degrees to truss at roof sheathing, nail with 2-12d nails where it crosses truss members and at ends. Gable end truss shall be built to receive sheathing with vertical members 2' on center. Vertical members of gable end truss greater than 5' in height shall be stiffened with one 2x4 SPF nailed with 12d nails 8' on center to back of vertical member. (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.

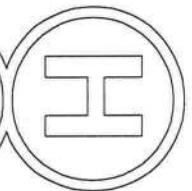
PORCH COLUMNS:

Install Simpson model ABU46 and ACGMax, ACE6(Max) may be used at end columns,

CARPORT COLUMNS:

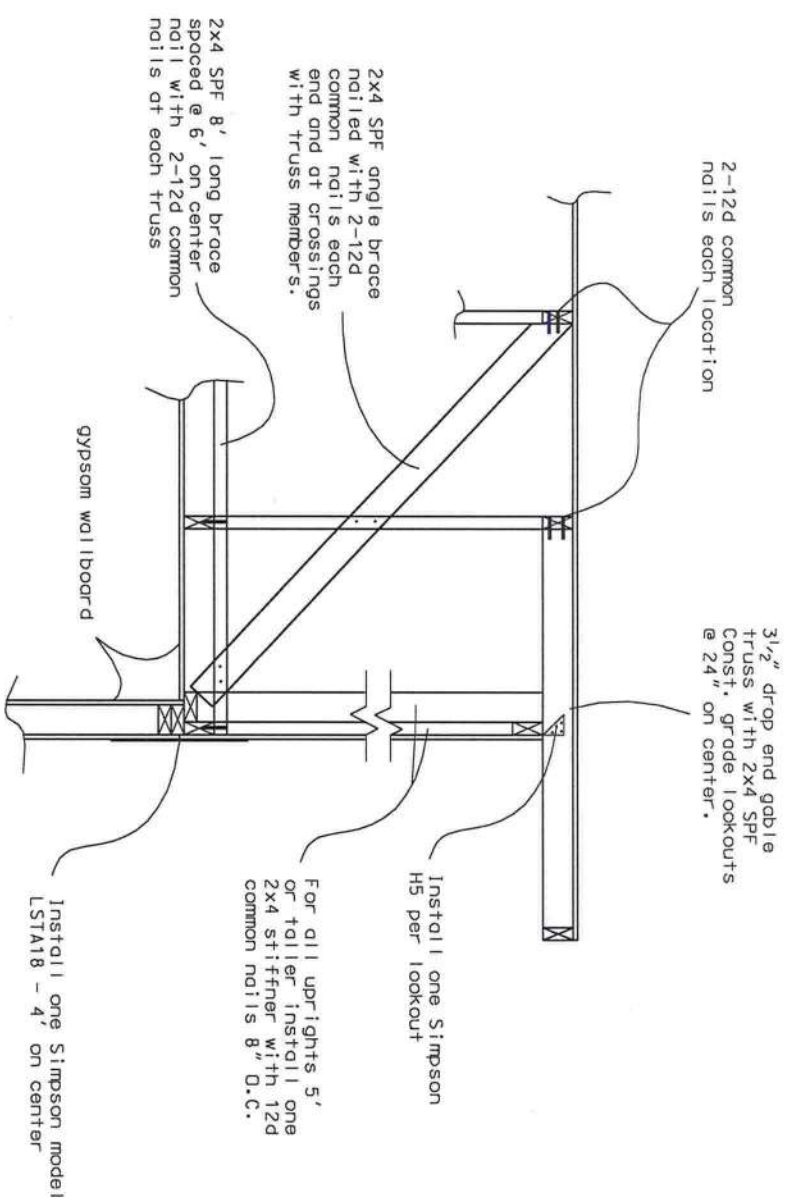
See Foundation Plan for anchor requirements.

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



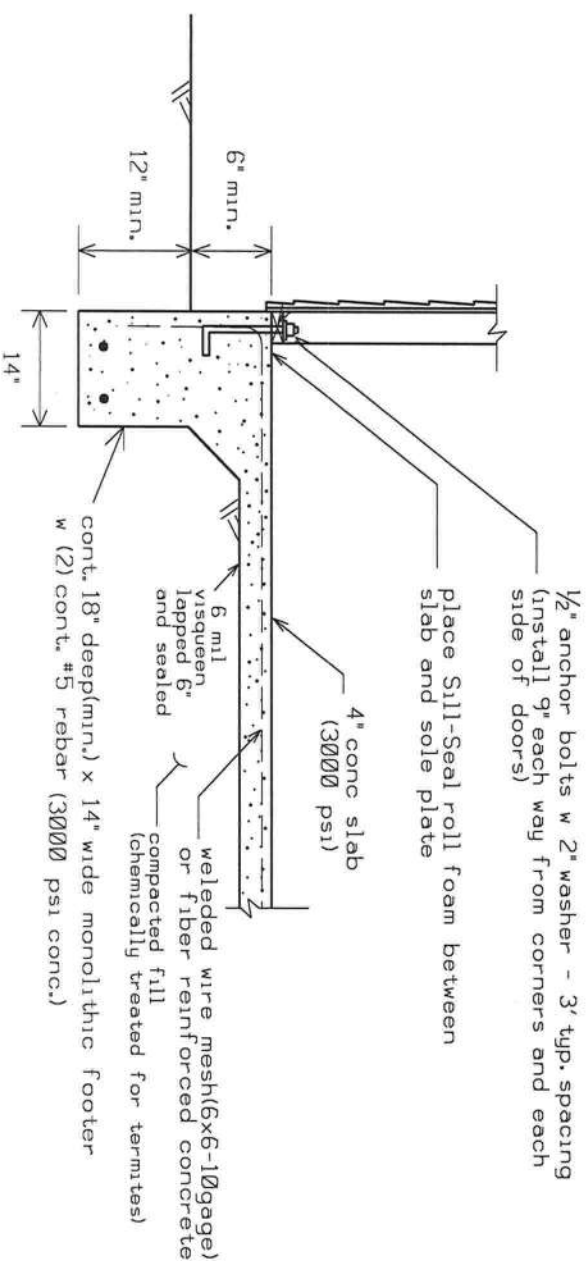
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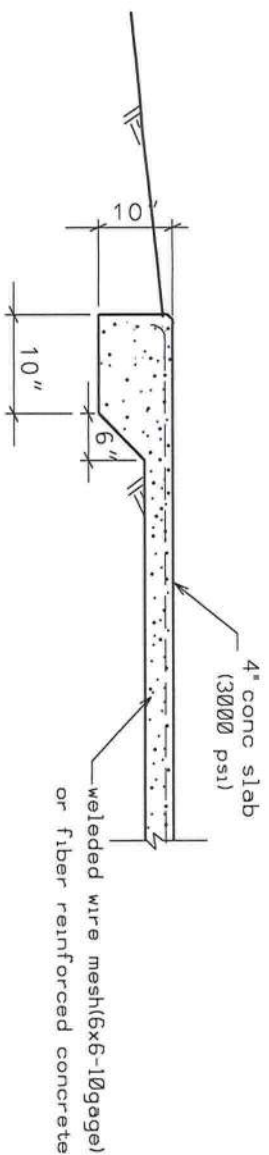


GABLE END BRACING
DETAIL (N.T.S.)

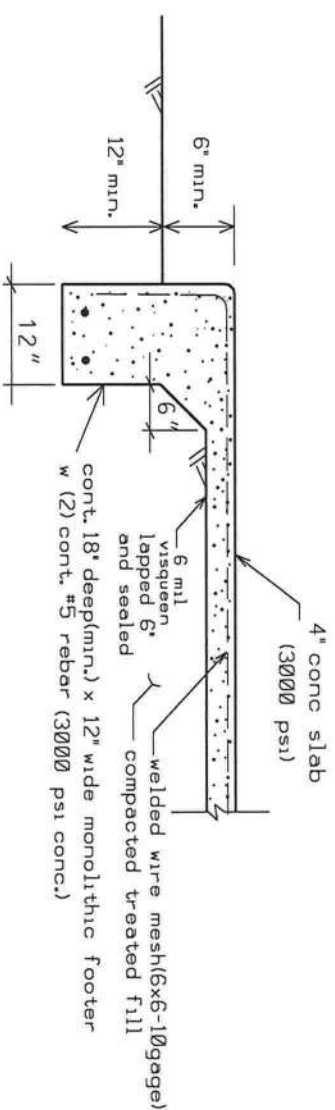
NOTE: Gable end trusses shall be dropped 3 1/2" for construction of lookouts & overhang.



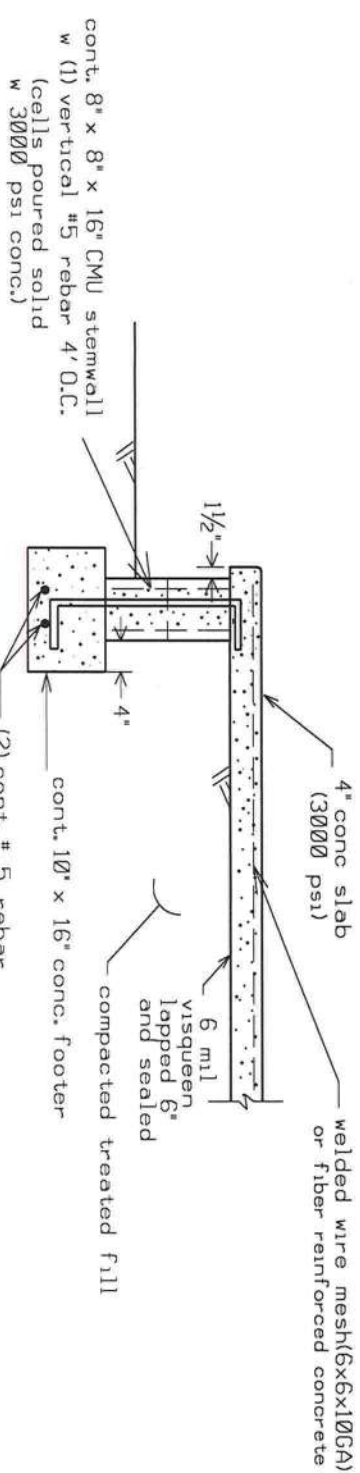
DETAIL "B" - OPTIONAL EXTERIOR WALL
MONOLITHIC FOUNDATION(N.T.S.)



DETAIL "E"
PAD EDGE THICKENING DETAIL(N.T.S.)

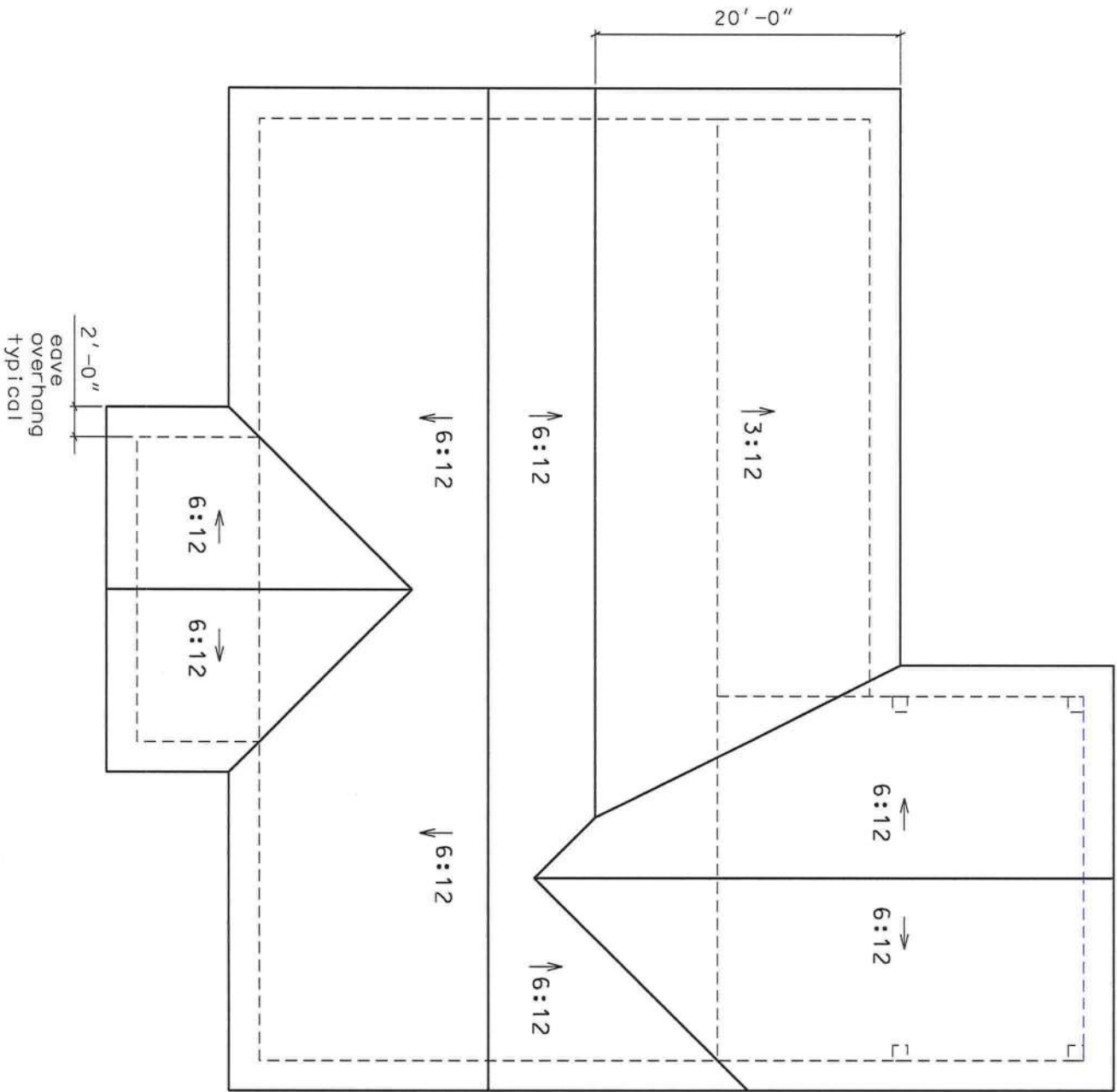


DETAIL D - OPTIONAL
PORCH FOUNDATION DETAIL N.T.S.



DETAIL C - PORCH FOUNDATION (N.T.S.)

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ROOF PLAN

WINDOWS	
SIZE/CONFIGURATION	QUANTITY
2030SH (opaque)	2
2060SH	6
3044SH	1
3060SH	2
DBL-3060SH's	2
4060SH	1

EXTERIOR DOORS	
SIZE	QUANTITY
3068 w transom (front entry door)	1
3068 french dr. w transom (rear exit)	1
3068 w transom (utility exit)	1

INTERIOR DOORS	
SIZE	QUANTITY
2068	1
2868	5
2868 pocket dr	1
3068	3
3068 pocket dr	2
3068 - 4 panel	1
4068 - 4 panel	1
attic access dr w ladder	2

WINDOW AND DOOR SIZES

Rough-in dimensions vary per model/make of window/door. Verify actual rough-in dimensions prior to constructing opening. Windows shall be Vinyl, Double-paned, Low E glass, Argon filled windows.

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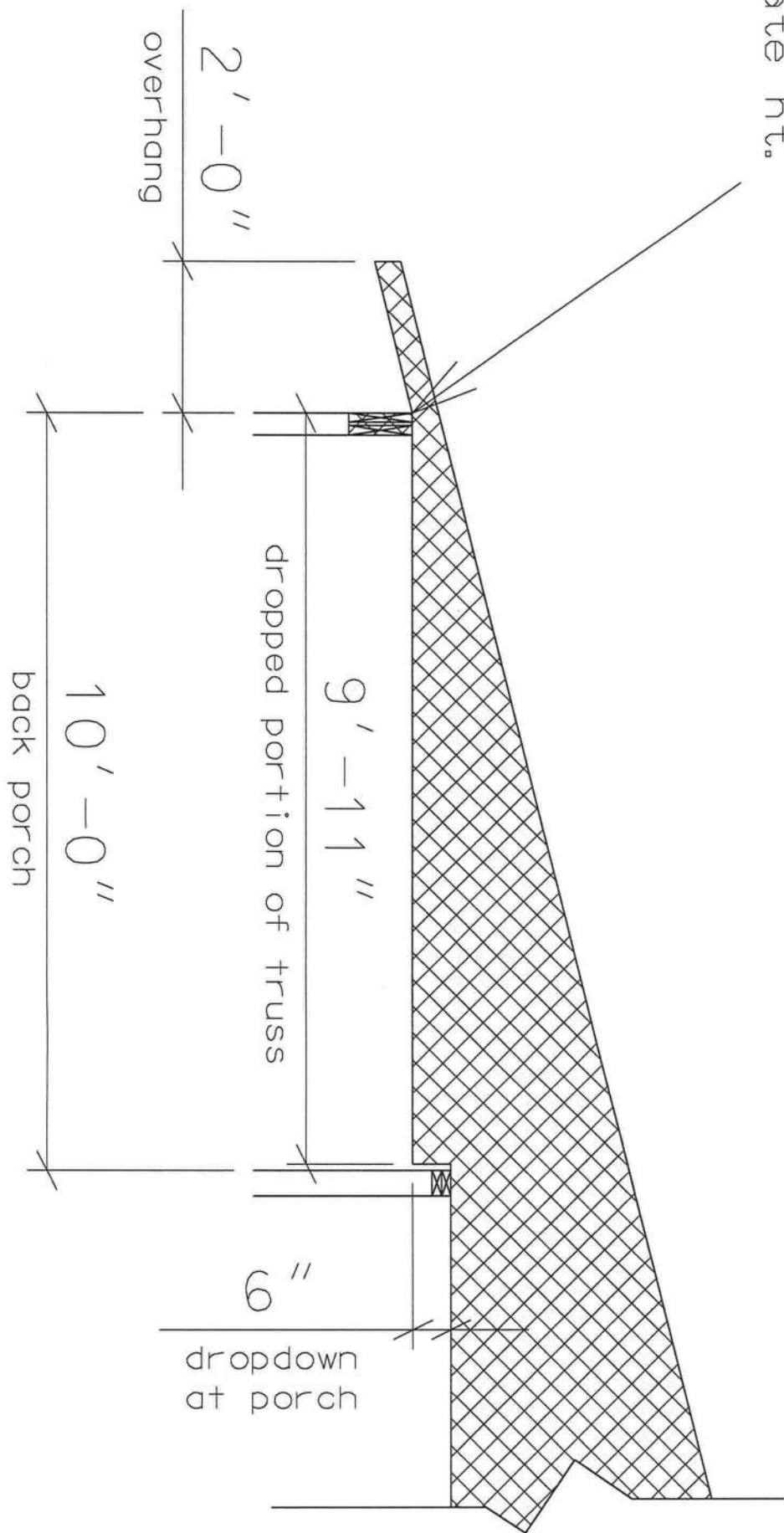


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SHEET
7
OF
10

plate ht
is 6" lower
than home
plate ht.



TRUSS SCHEMATIC AT BACK PORCH AREA

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












SHEET
8
OF
10

Masonry pier footer shall be 30" x 30" x 18" deep with 5-#5 rebar each way(mat), with 4 - #5 vertical rebar with ACI hooks in footer(3000 psi concrete). Piers shall be 12" x 12" column blocks with 4 - #5 vertical rebar poured solid with 3000 psi concrete. Install 1 - Simpson model SSTB24 (5/8" diameter) and 1 Simpson model HD5A with 2 - 3/4" bolts each column to beam connection.



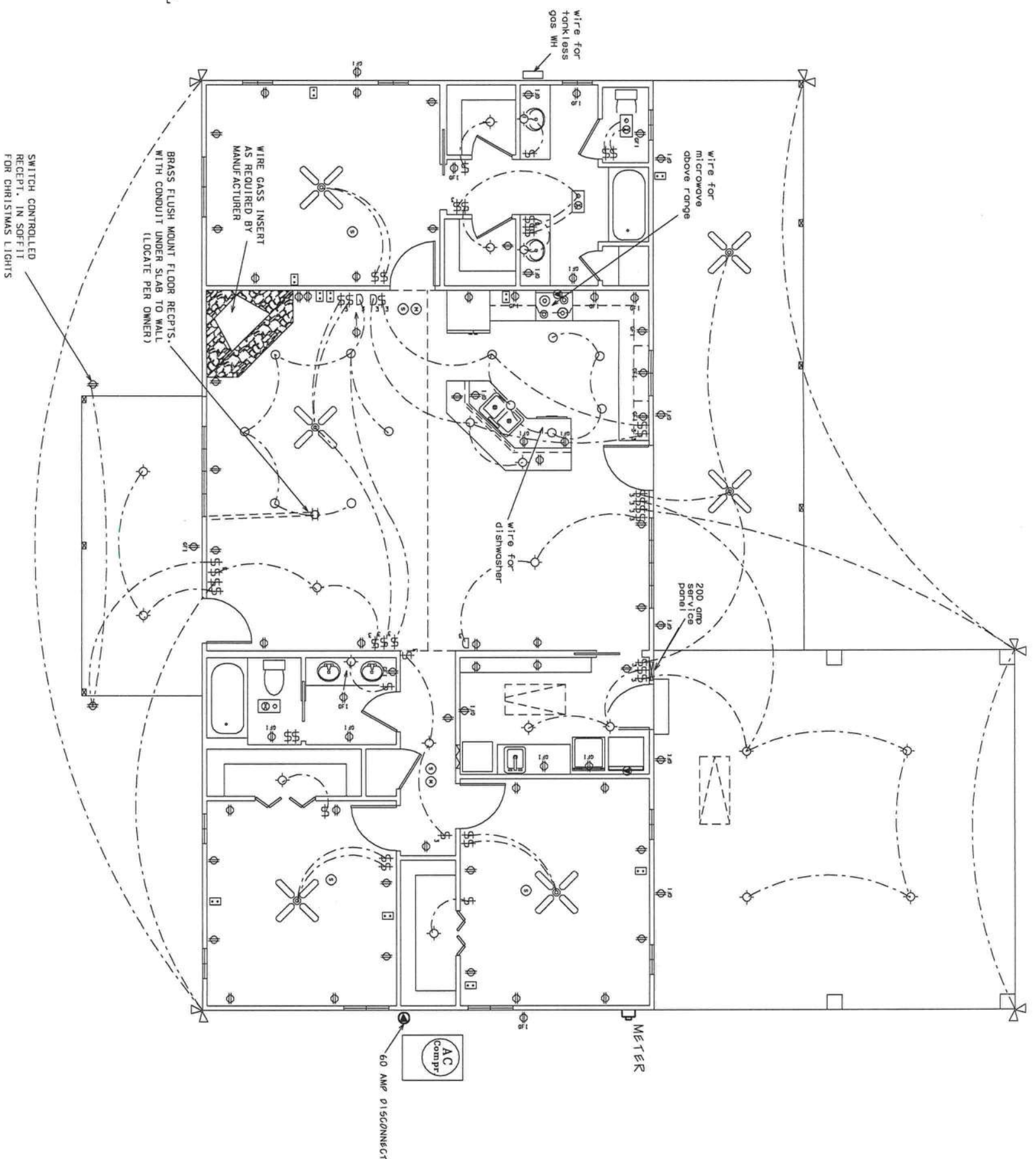
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Matusz

ELECTRICAL LEGEND

-  - CEILING FAN w LIGHTS
-  - LIGHT FIXTURE
-  - RECESSED CAN LIGHT FIXTURE
-  - SINGLE POLE SWITCH
-  - THREE-WAY SWITCH
-  - DIMMER SWITCH
-  - THREE-WAY DIMMER SWITCH
-  - RECEPT.
-  - GFI RECEPT OR PART OF A GFI CIRCUIT.
-  - SECURITY LIGHT
-  - EXHAUST WITH LIGHT
-  - 220 V.
-  - SMOKE DETECTOR (AC/DC and interconnected)
-  - CARBON MONOXIDE DETECTOR (AC/DC and interconnected)
-  - TELEPHONE AND RG6 COAX

NOTES:

- 1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.
- 2.) ALL RECEPTS NOT A GFI OR PART OF A GFI CIRCUIT SHALL BE PART OF AN AFCI CIRCUIT.
- 3.) PLACE 2 LIGHTS IN CARPORT ATTIC AREA WITH SWITCH NEAR ATTIC ACCESS.
- 4.) PLACE 4 LIGHTS IN MAIN HOME ATTIC AREA WITH SWITCH NEAR ATTIC ACCESS.



ELECTRICAL PLAN

0 4' 8'
scale

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