

BARRS RESIDENCE PLANS

COLUMBIA COUNTY, FL

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Marty J. Humphries
7-24-14
386 935-2406



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BARRS RESIDENCE PLANS
COLUMBIA COUNTY, FL

SHEET
1
OF
10



A number line with points labeled 0, 4', and 8'. A bracket below the line spans from 0 to 8' and is labeled "scale".

GARAGE - 802 sq. ft.

PORCHES - 619 sq. ft.

SHEET

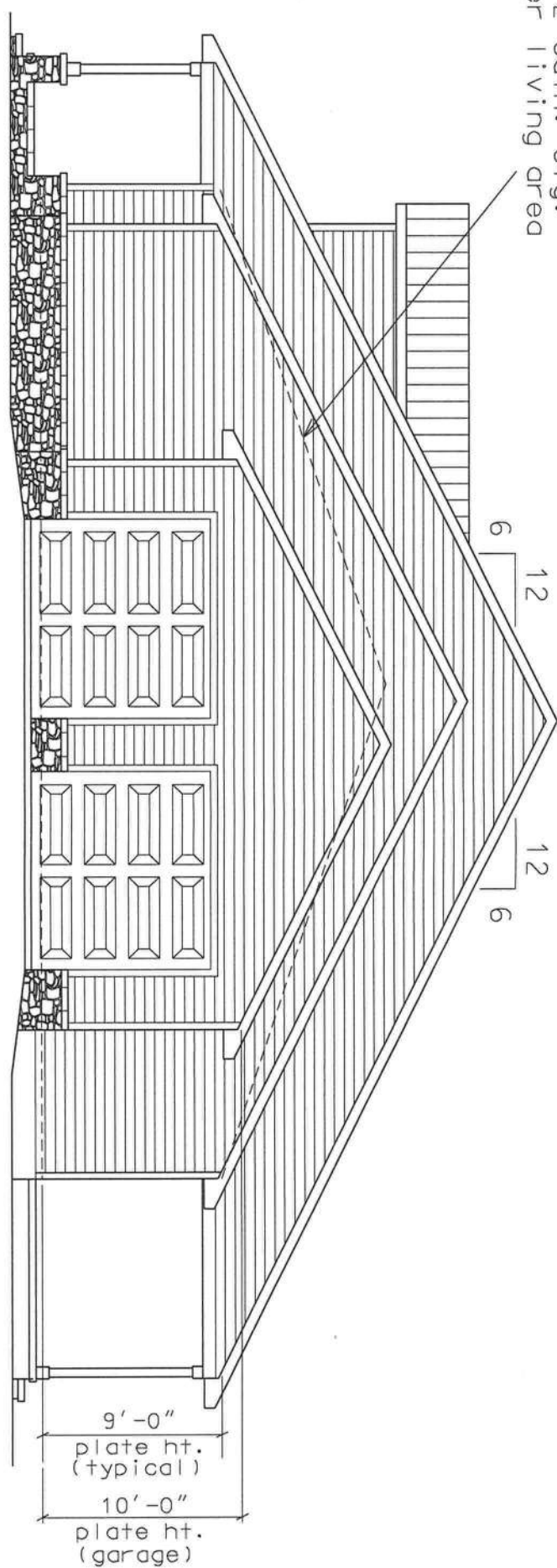
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7-24-14
Mats 2.76

4:12 cath. clg.
over living area



RIGHT ELEVATION

0 4' 8'
scale

ridge vent

12:12

ridge vent

ridge vent

ridge vent

1'-6"
typ.



FRONT ELEVATION

0 4' 8'
scale

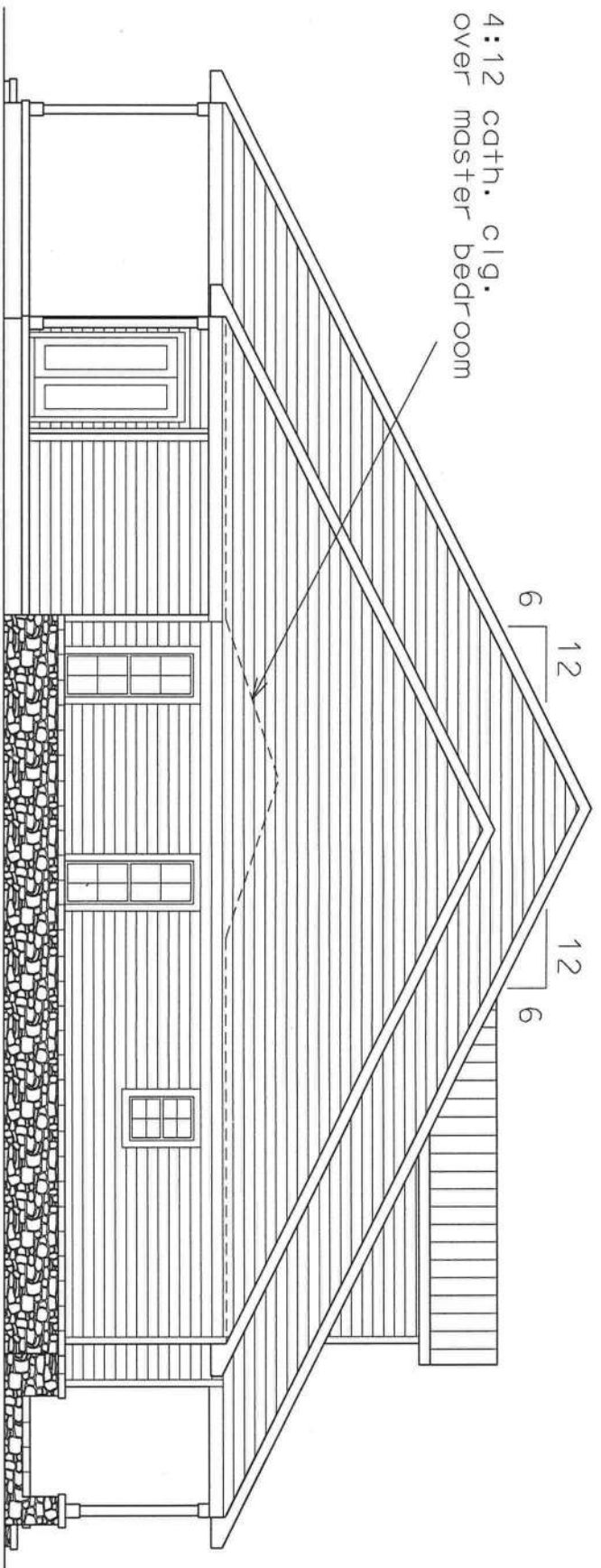
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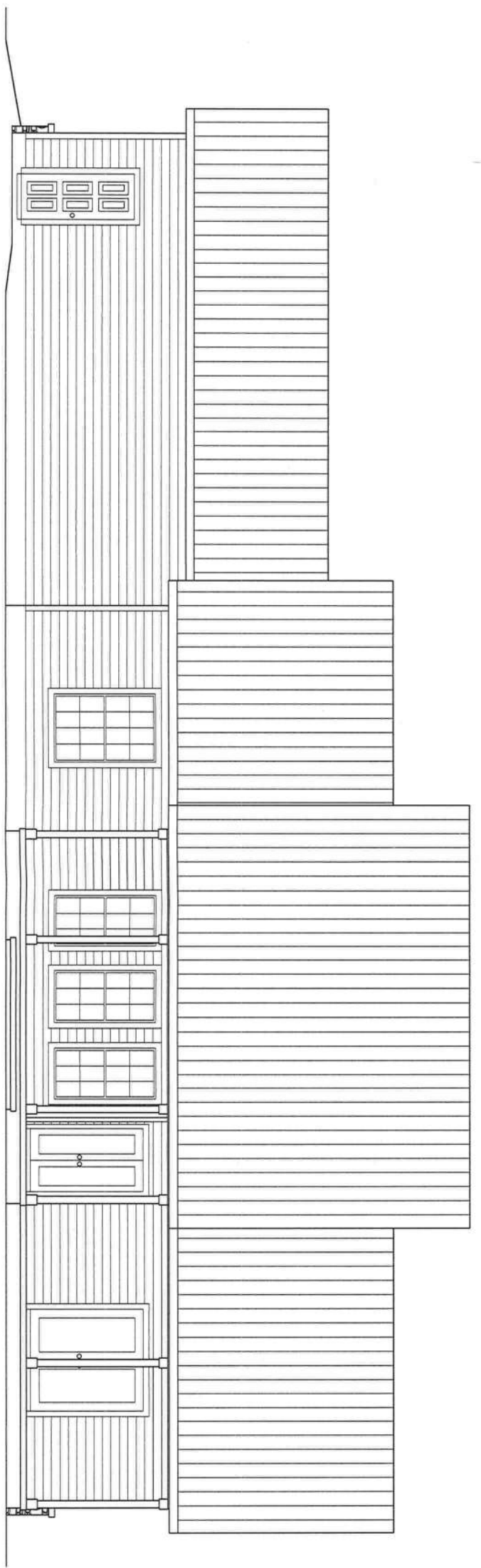


SHEET
3
OF
10



LEFT ELEVATION

0 4' 8'
scale



REAR ELEVATION

0 4' 8'
scale

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7-24-14



STRAPPING AND ANCHOR REQUIREMENTS

(Designed In accordance with the 2010 FBC)

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 120 mph Vult.
Importance Factor = 1.0
Exposure Category = B
Mean Roof Height = 19
Residential Occupancy = Group R3
Height and Exposure Adjustment Coefficient = 1.0
Roof Cross Slope = 6:12
Wall Height = 9' and 10'
Risk Category = II

Component and Cladding Pressures = Roof(Zone 1=17.5,-27.8, Zone 2=17.5,-48.4, Zone 3=17.5,-71.6), Wall(Zone 4=30.4,-33.0, Zone 5=30.4,-40.7)(units are psf)

TRUSS ANCHORS:

At Truss to Exterior Wall and Porch Beam Locations: install one Simpson model H10A anchor for all trusses.

WALL STRAP TIES:

At top and bottom of wall 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.

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:

At each column install Simpson model ABU66 or ABU44 and Simpson model AC6Max or AC4Max, (ACE6Max or ACE4Max may be used for columns at corners.)

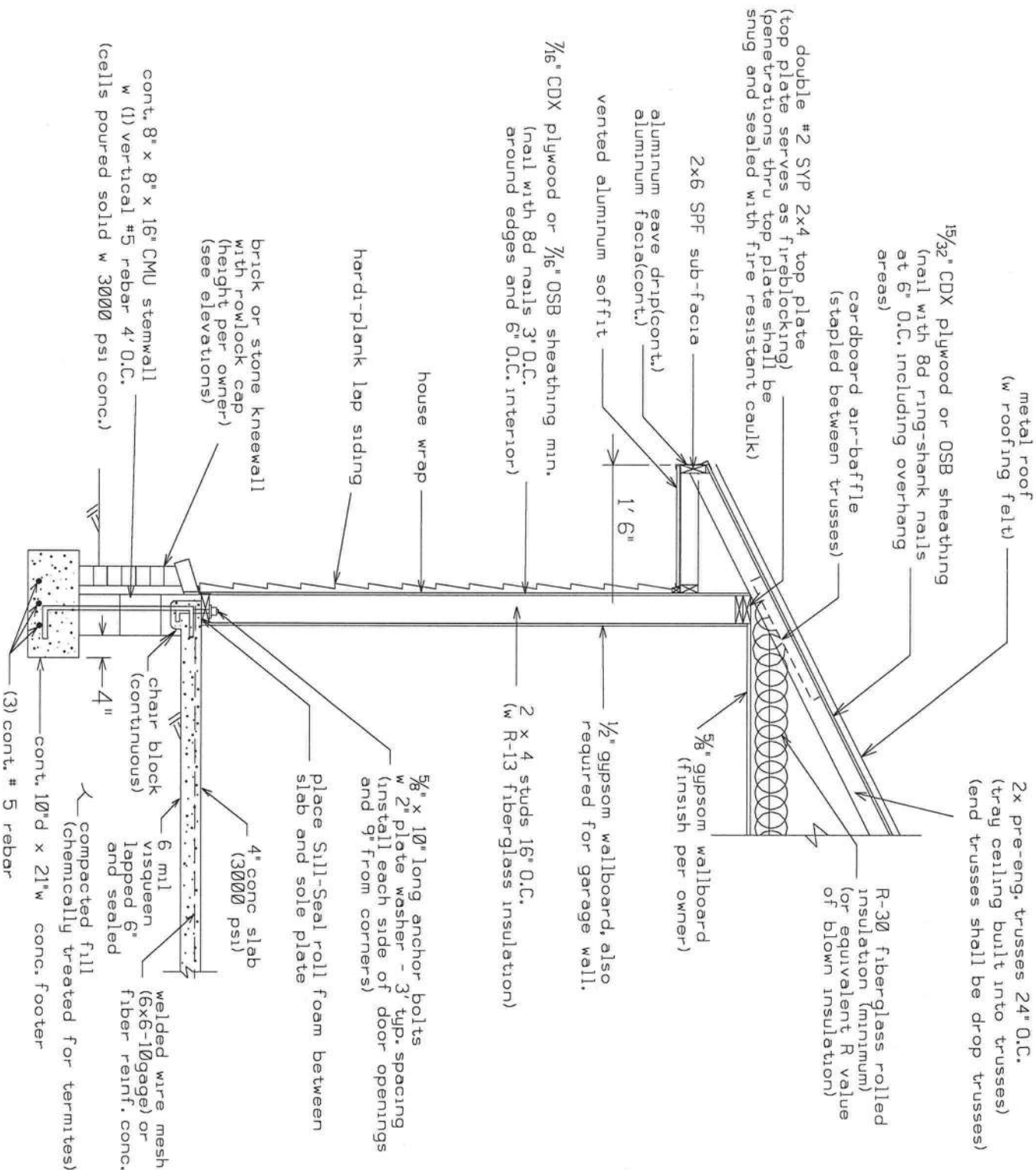
PORCH CEILINGS:

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.

DORMERS:

(See Detail)

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



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

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

Windows and Doors: 2 - #2 SYP 2X12's w 1/2" plywood or OSB between nailed with 3 - 12d nails 10" O.C.

Porches: 2 - #2 SYP 2X10's w 1/2" plywood or OSB between nailed with 3 - 12d nails 10" O.C.

SYP = SOUTHERN YELLOW PINE

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B

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SHEET

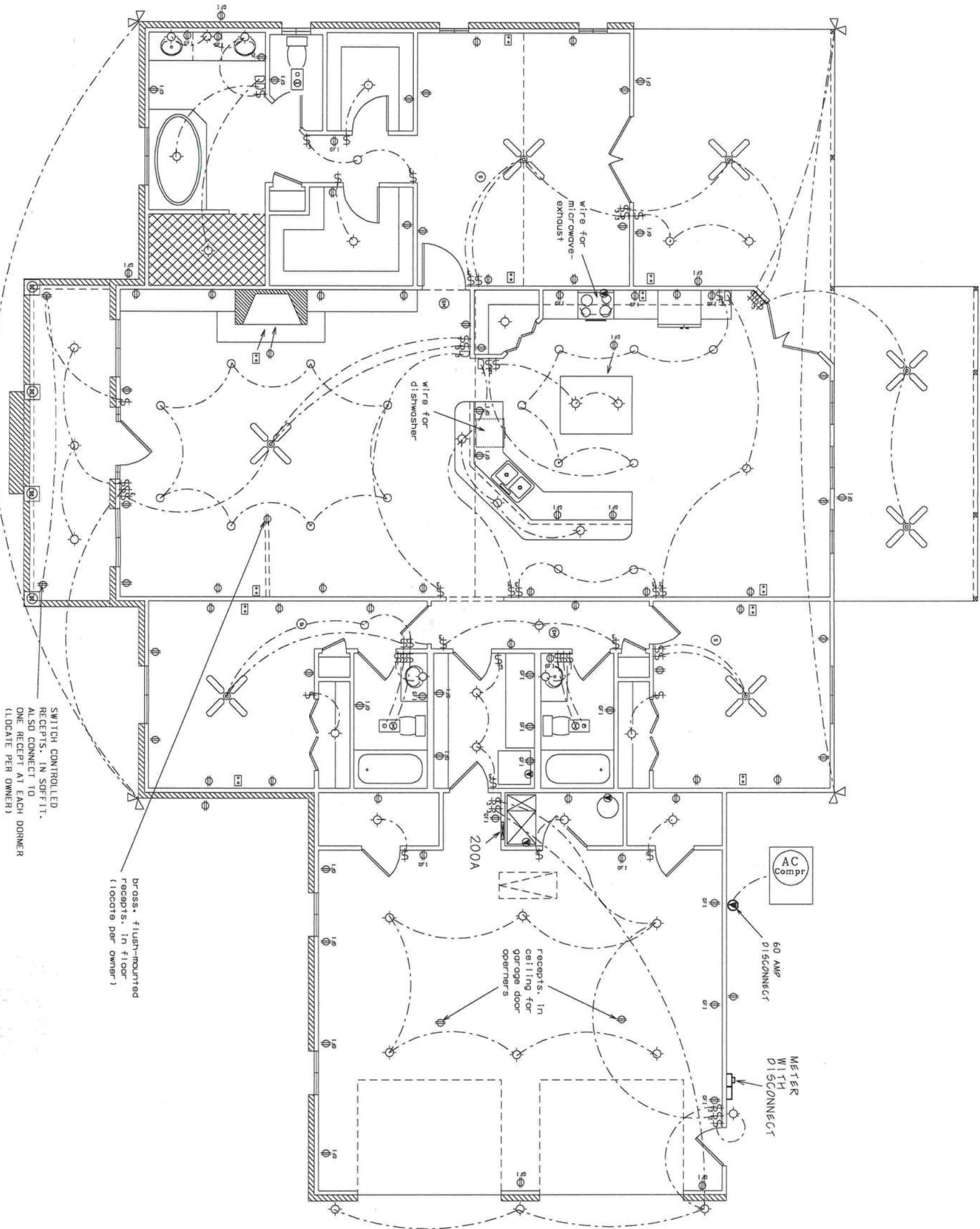
5
OF
10

ELECTRICAL LEGEND

- ⊗ - CEILING FAN w LIGHTS
- ⊙ - LIGHT FIXTURE
- - RECESSED CAN LIGHT FIXTURE
- \$ - SINGLE POLE SWITCH
- \$₃ - THREE-WAY SWITCH
- D - DIMMER SWITCH
- D₃ - THREE-WAY DIMMER SWITCH
- ⊕ - RECEPT.
- ⊕_{GFI} - GFI RECEPT OR PART OF A GFI CIRCUIT.
- ⚡ - SECURITY LIGHT
- ⊞ - EXHAUST WITH LIGHT
- ⚡ - 220 V.
- ⊙ - SMOKE DETECTOR (AC/DC and interconnected)
- ⊙_{SM} - SMOKE/CARBON MONOXIDE DETECTOR (AC/DC and interconnected)
- ☎ - TELEPHONE AND RG6 COAX

NOTES:

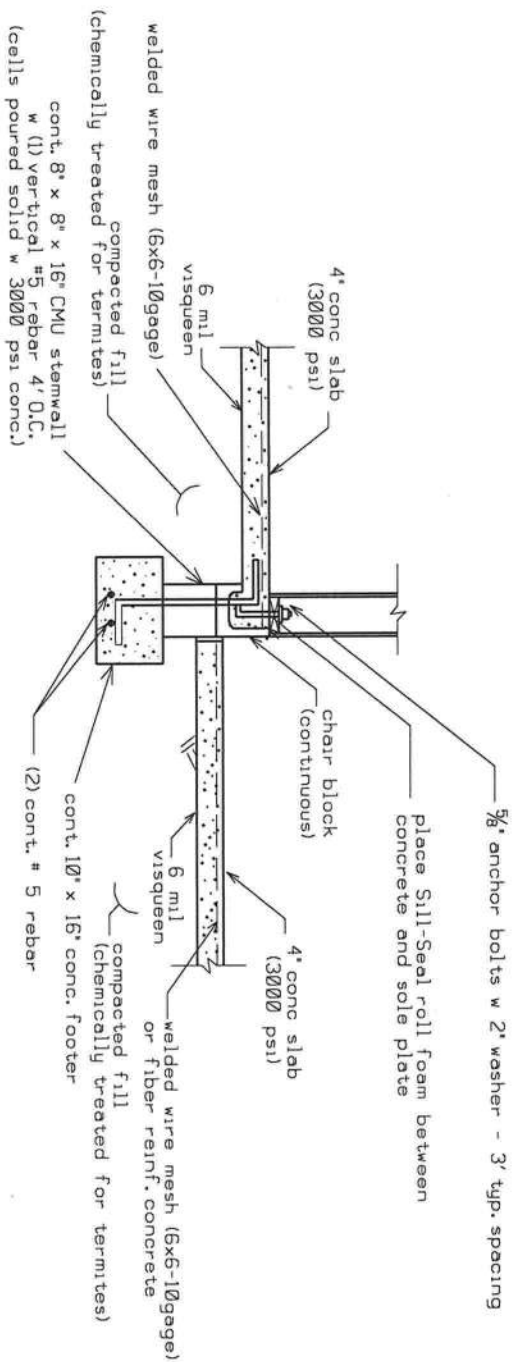
- 1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.
- 2.) ALL RECEPTS NOT A GFI OR PART OF A GFI CIRCUIT SHALL BE PART OF AN AFCI CIRCUIT.
- 3.) PLACE 4 LIGHTS IN ATTIC WITH SWITCH LOCATED NEAR ATTIC ACCESS.



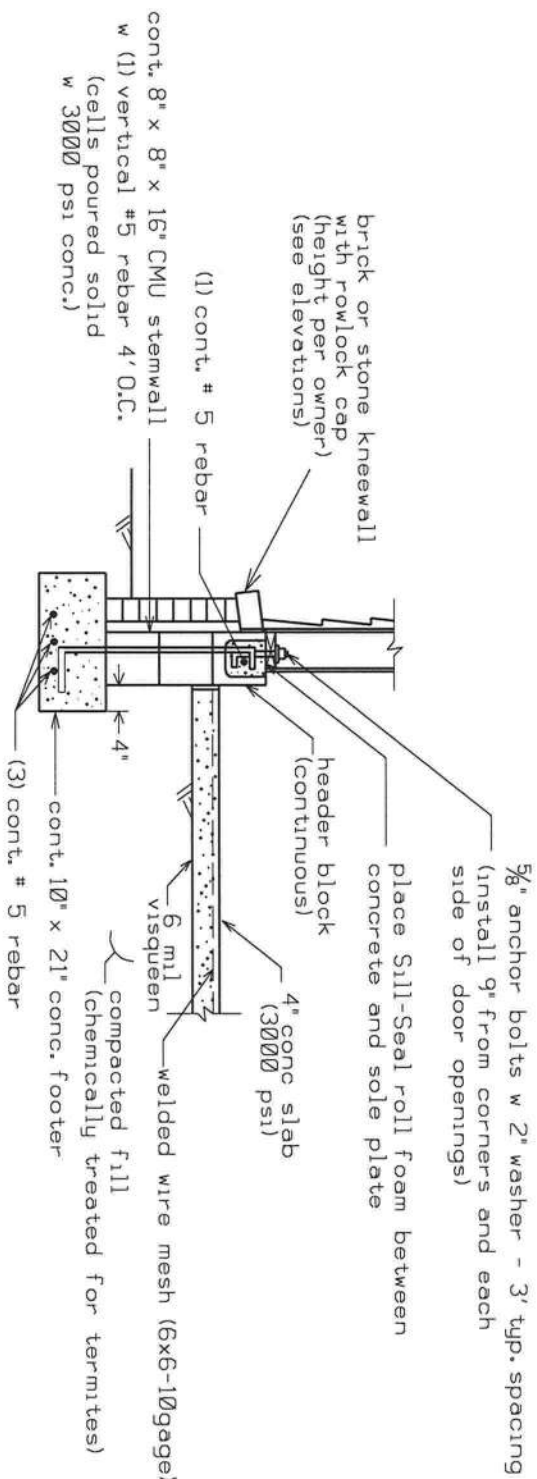
ELECTRICAL PLAN (N.T.S.)

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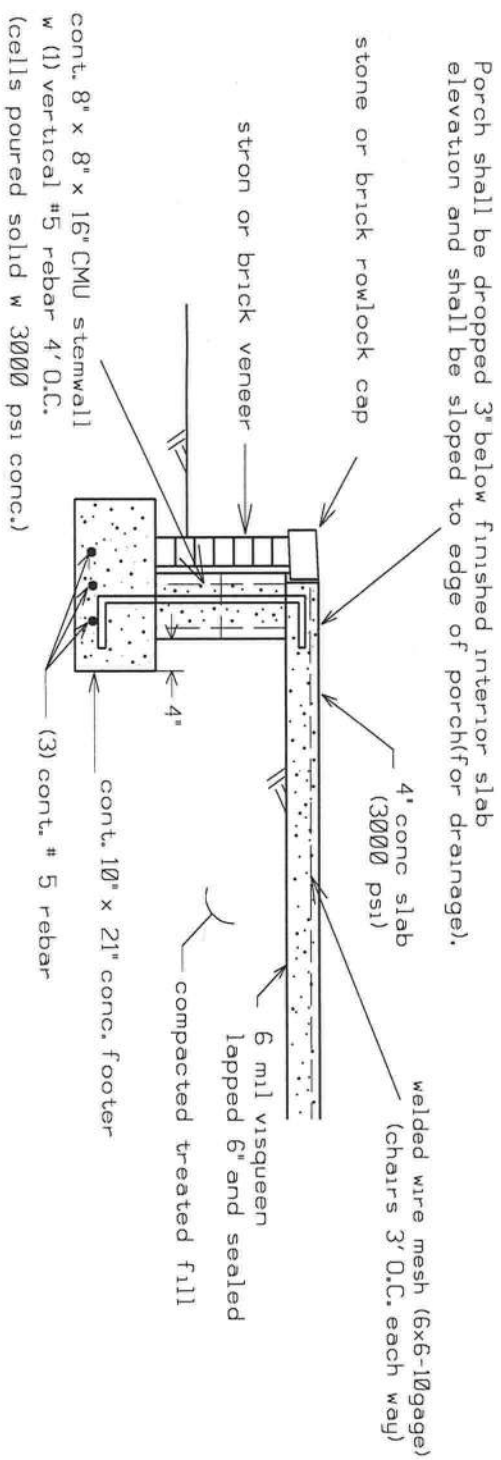




DETAIL "D"
INTERIOR GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)

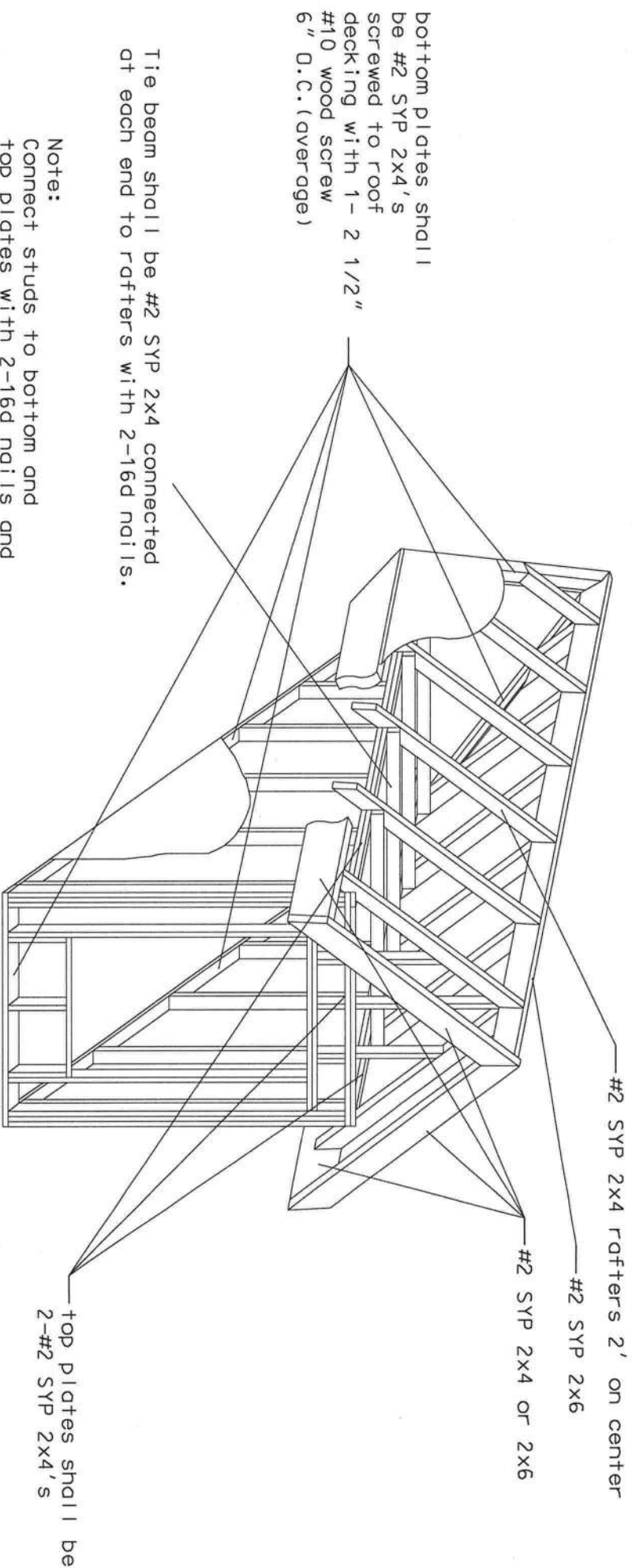


DETAIL "C"
GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)



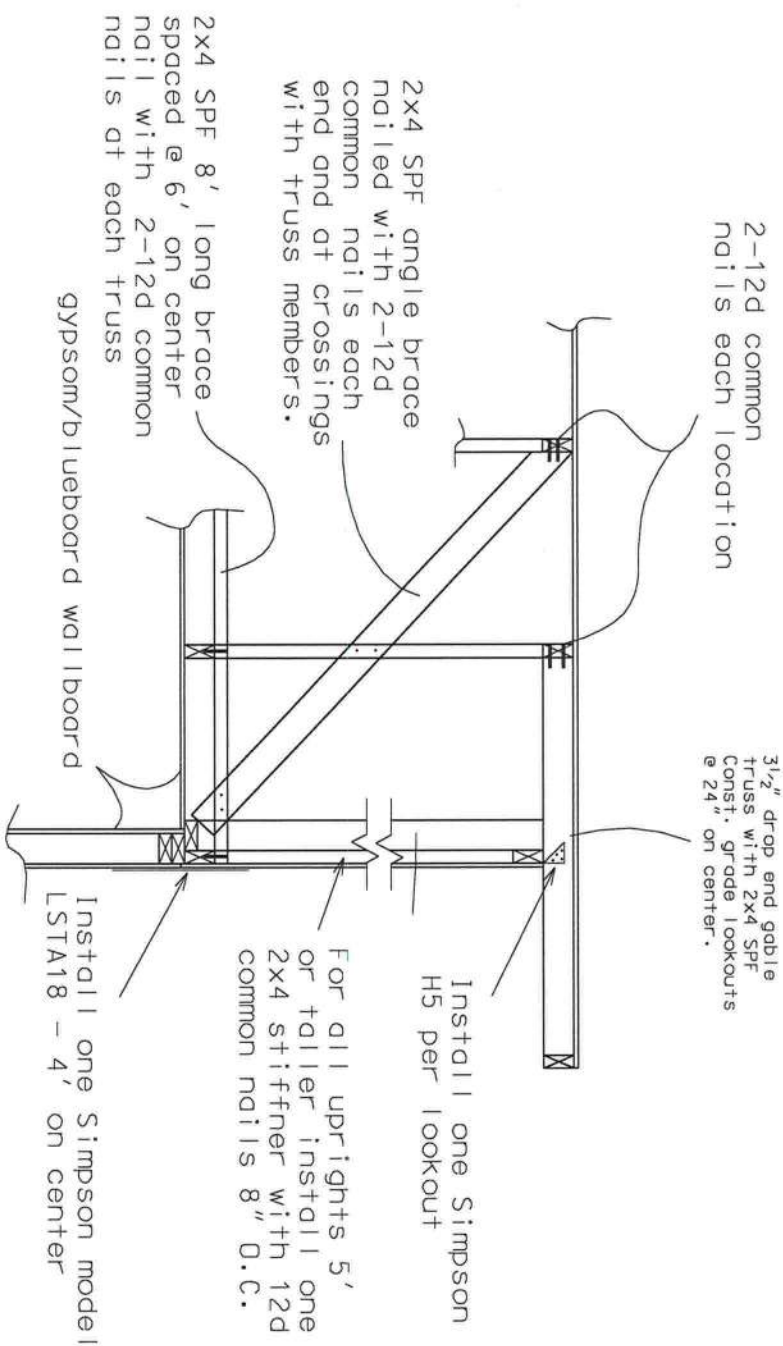
DETAIL "B" - PORCH FOUNDATION DETAIL (N.T.S.)

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Note:
Connect studs to bottom and top plates with 2-16d nails and connect roof rafters to ridge plate with 2-16d nails. Also connect fascia plate to rafters with 2-16d nails at each location. Connect rafters or trusses to top plate with Simpson H5 anchor.

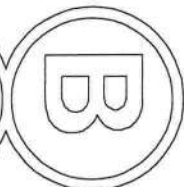
DORMER FRAMING DETAIL



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

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

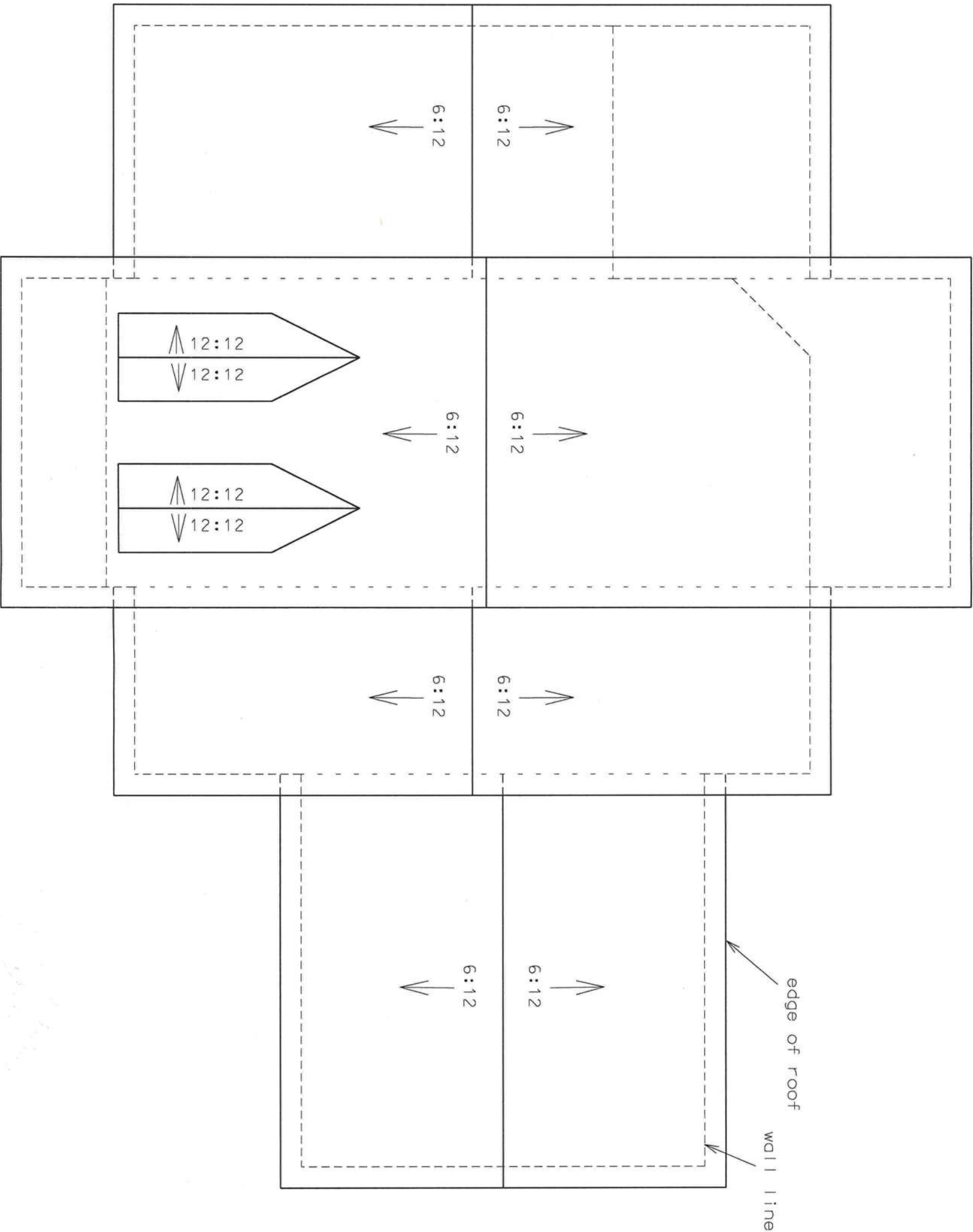
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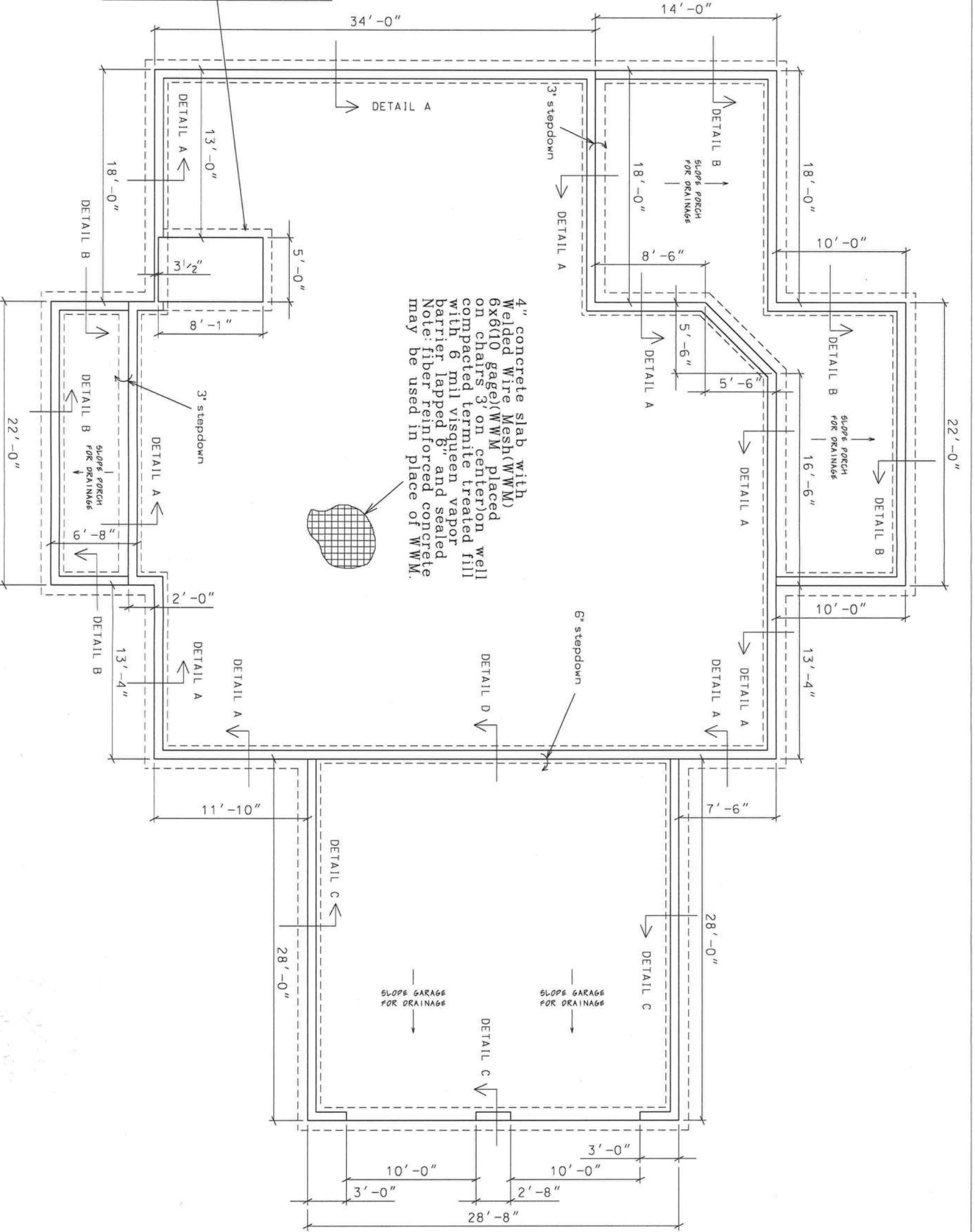
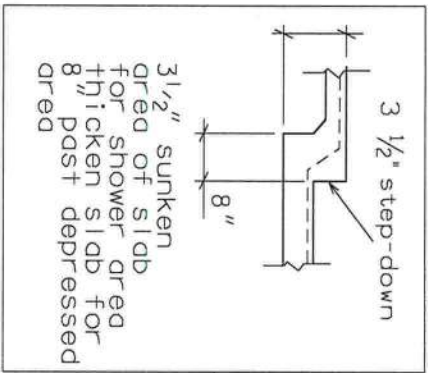
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SHEET
7
OF
10



ROOF PLAN (N.T.S.)

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FOUNDATION PLAN

NOTE: DIMENSIONS ARE FROM OUTSIDE OF BLOCK.

0 4' 8'
Scale

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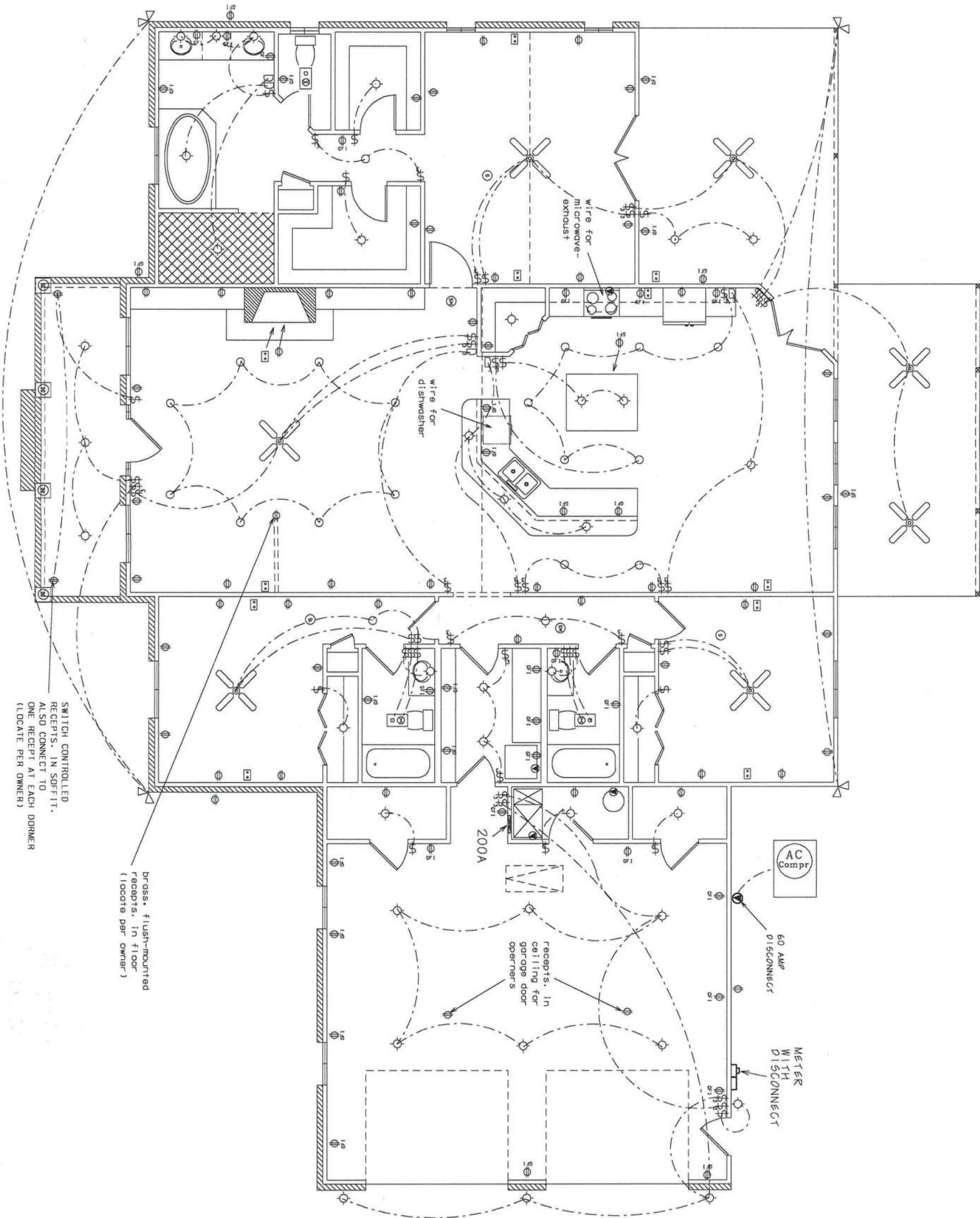


SHEET

9 OF 10

ELECTRICAL LEGEND

- ⊗ - CEILING FAN w LIGHTS
 - ⊙ - LIGHT FIXTURE
 - - RECESSED CAN LIGHT FIXTURE
 - \$ - SINGLE POLE SWITCH
 - ⌘ - THREE-WAY SWITCH
 - D - DIMMER SWITCH
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 - ⌵ - SECURITY LIGHT
 - ⊞ - EXHAUST WITH LIGHT
 - ⦿ - 220 V.
 - Ⓢ - SMOKE DETECTOR (AC/DC and interconnected)
 - Ⓢ - SMOKE/CARBON MONOXIDE DETECTOR (AC/DC and interconnected)
 - Ⓢ - TELEPHONE AND RG6 COAX
- NOTES:
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 - 3.) PLACE 4 LIGHTS IN ATTIC WITH SWITCH LOCATED NEAR ATTIC ACCESS.



ELECTRICAL PLAN (N.T.S.)

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