

BRUNO
RESIDENCE PLANS
COLUMBIA COUNTY, FL

Plan Sheet Index:

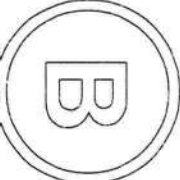
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5	wall typical & strapping/nailing requirements
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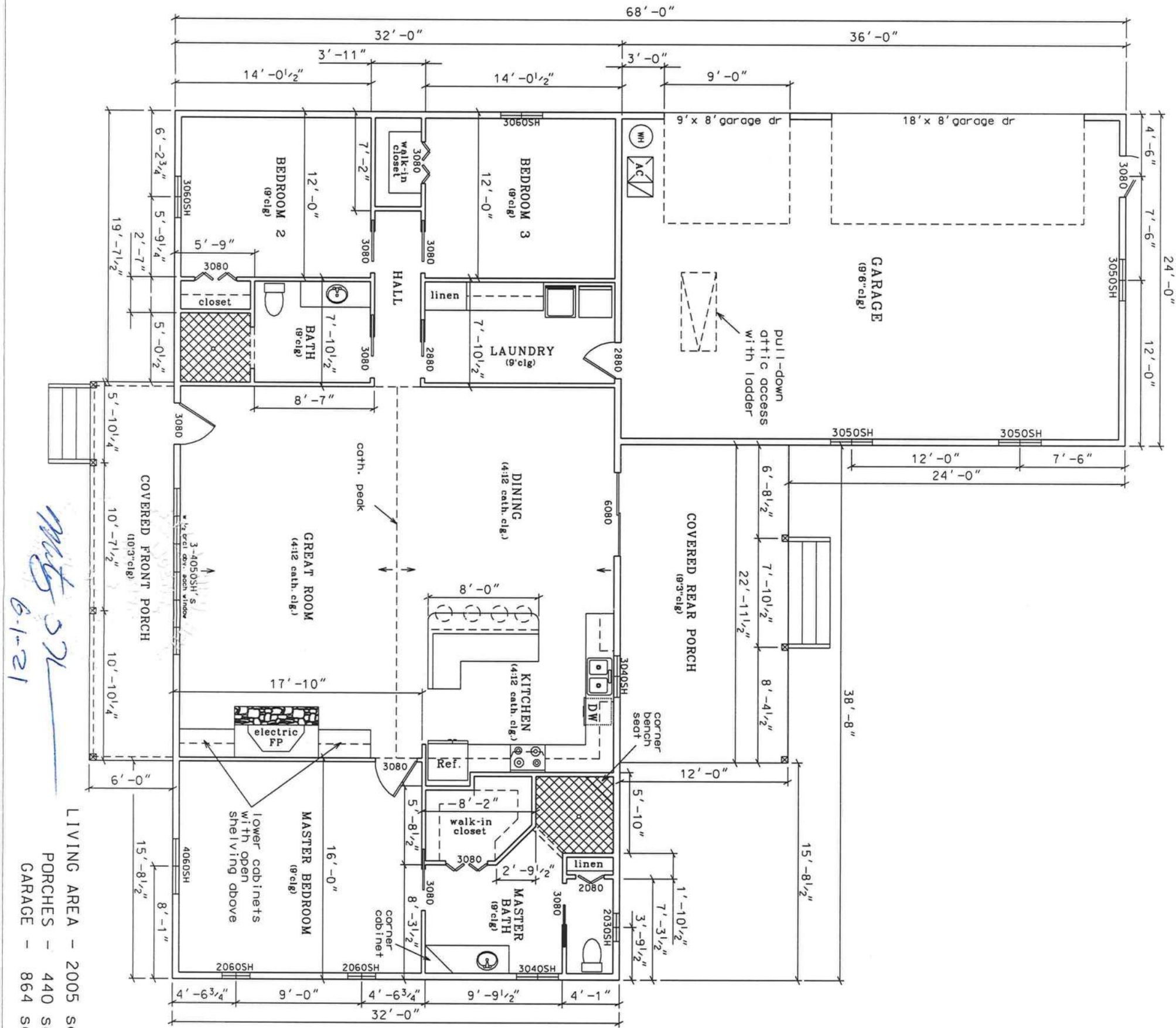


MJH 52
6-1-21

BRUNO RESIDENCE PLANS
COLUMBIA COUNTY, FLORIDA

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





MJS 52
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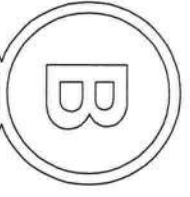
LIVING AREA - 2005 sq. ft.
PORCHES - 440 sq. ft.
GARAGE - 864 sq. ft.

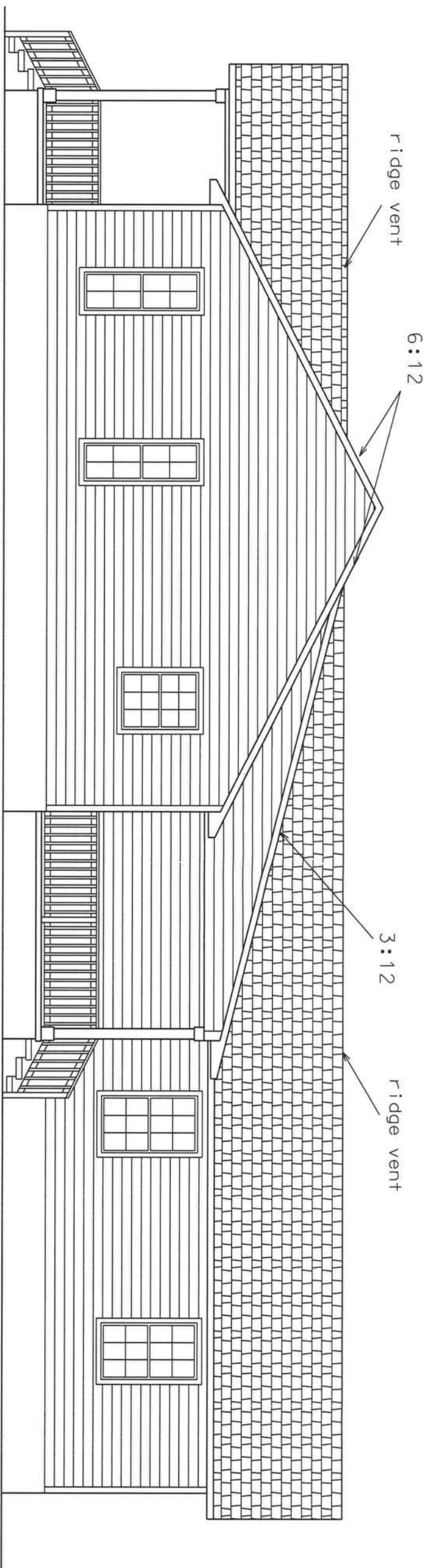
FLOOR PLAN

0 4' 8'
scale

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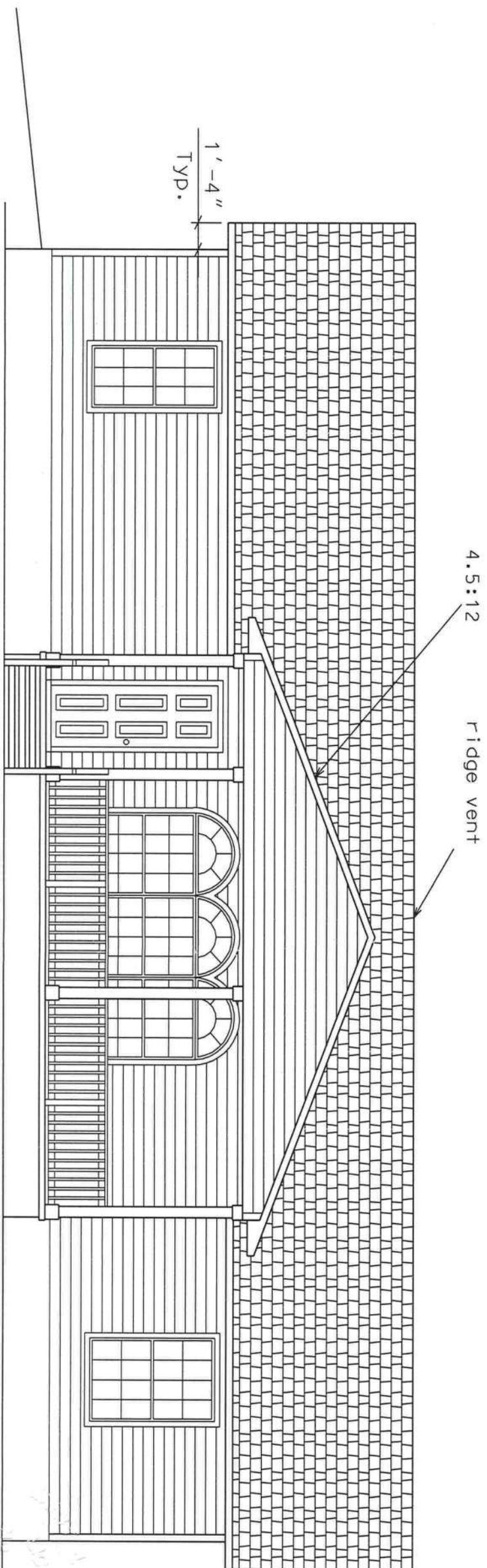
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RIGHT ELEVATION

0 3' 6'
scale



FRONT ELEVATION

0 3' 6'
scale

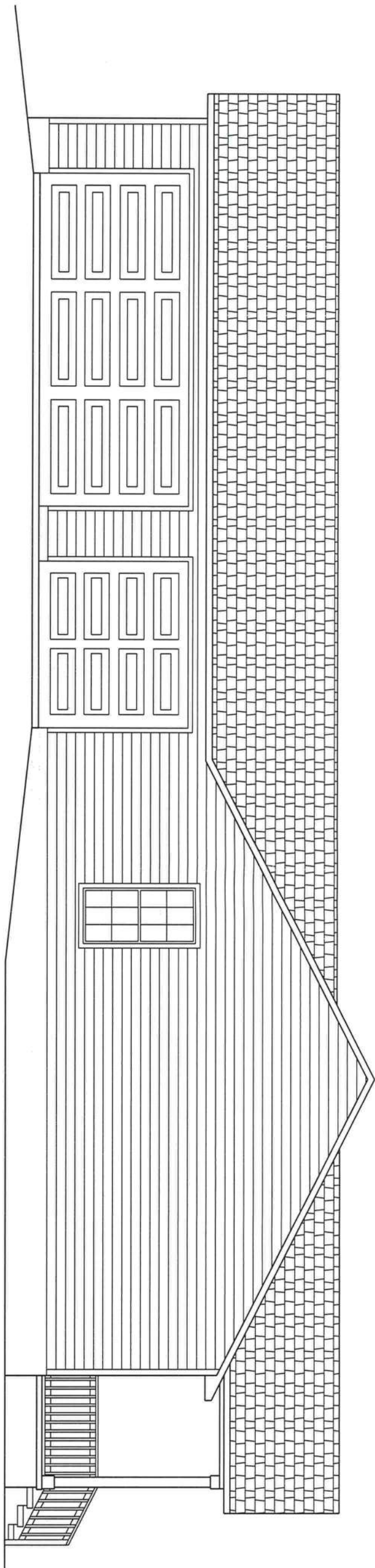
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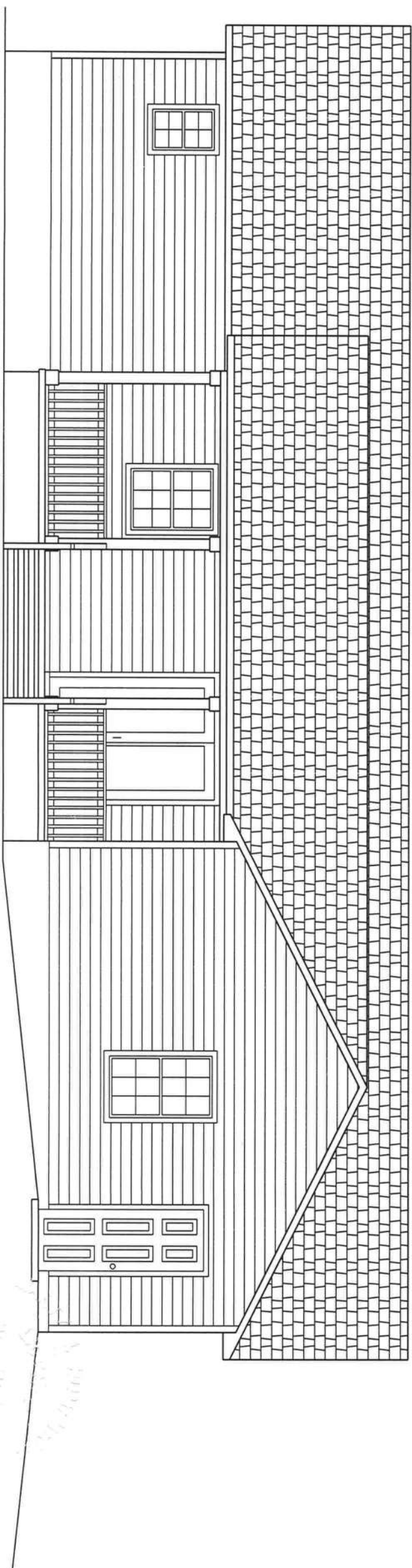
B

SHEET
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LEFT ELEVATION

0 3' 6'
scale



REAR ELEVATION

0 3' 6'
scale

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SHEET
4
OF
10

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

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 120 mph Vult.
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 = 3:12, 4.5:12, 6:12
Wall Height = 9' primarily with 10' wall at front and rear porches
Risk Category = II
Component and Cladding Pressures = Roof(Zone 1=11.6,-22.1, Zone 2=11.6,-35.3, Zone 3=11.6,-41.9), Wall(Zone 4=15.5,-16.9, Zone 5=15.5,-20.8)(units are psf)

TRUSS ANCHORS:

At Truss to exterior walls and garage/living wall and porch beam locations:
install one Simpson Model H10A anchor for all trusses. For valley trusses
install Simpson VTCR clips 4' on center.

WALL STRAPPING:

At the top and bottom of the wall install one SP6 each side of each
window or door 4' or less in width and install 2 each side top and bottom of
the wall for windows or doors over 4' in width. At triple 4050 front window
install 2 SPH6's each side top and bottom of the wall. At 9' garage door
install 2 SPH6's each side top and bottom of the wall. At 18' garage door
install 3 SPH6's each side top and bottom of the wall. All other locations
install 1 SP6 top and bottom of the wall 4' on center. For wall between
garage and living area install one SP6 top and bottom of the wall 32" on
center and each side of door.

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 and notch top of column
to receive header and install 2 galvanized 3/4" carriage bolts.

PORCH CEILINGS:

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

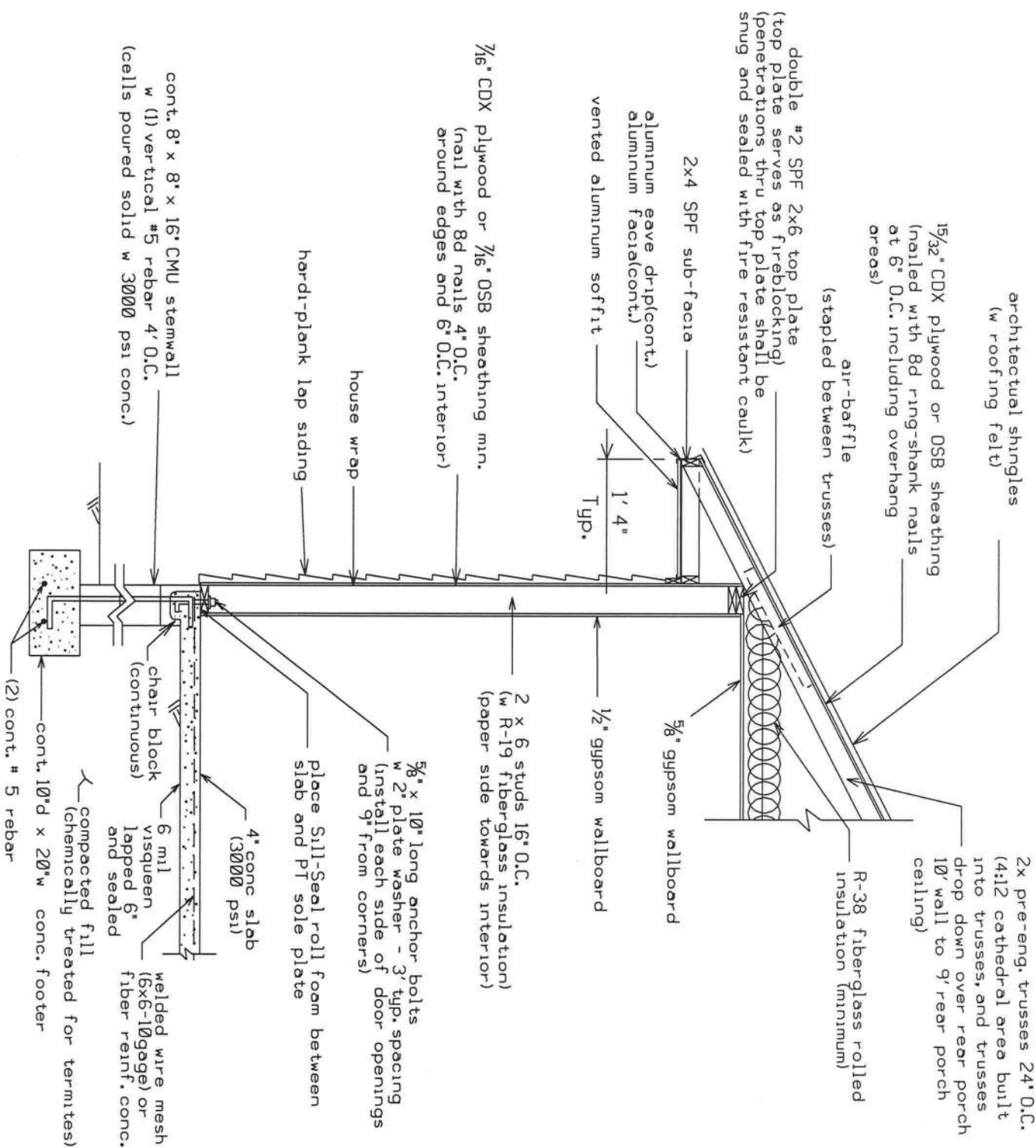
PORCH HEADER TO HOME CONNECTION:

For Porch Headers install Simpson HUCQ410-SDS. Connect with Simpson
SDS 1/4" x 2 1/2" screws.

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

SYP = SOUTHERN YELLOW PINE

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6-1-21



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

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

WINDOW AND DOORS: doors and windows: 3 - #2 SYP 2X8's w 1/2" plywood or
OSB between nailed with 4-12d nails 10" O.C.

FRONT TRIPLE 4050 WINDOWS: 3 - 1.75" x 11.25" LVL's (Fb=2650 psi min., 1.8E min.) nailed
with 4-12d nails 10" O.C.

REAR 6080 SLIDER DOOR: 3 - #2 SYP 2X10's w 1/2" plywood or OSB between nailed
with 4-12d nails 10" O.C.

9' WIDE GARAGE DOOR: 3 - #2 SYP 2X10's w 1/2" plywood or OSB between nailed
with 4-12d nails 10" O.C.

18' WIDE GARAGE DOOR: 3 - 1.75" x 14" LVL's (Fb=2650 psi min., 1.8E min.) nailed
with 4-12d nails 10" O.C.

FRONT AND REAR PORCHES: 2 - #2 SYP 2X10'S w 1/2" plywood or OSB between nailed
with 4-12d nails 10" O.C.

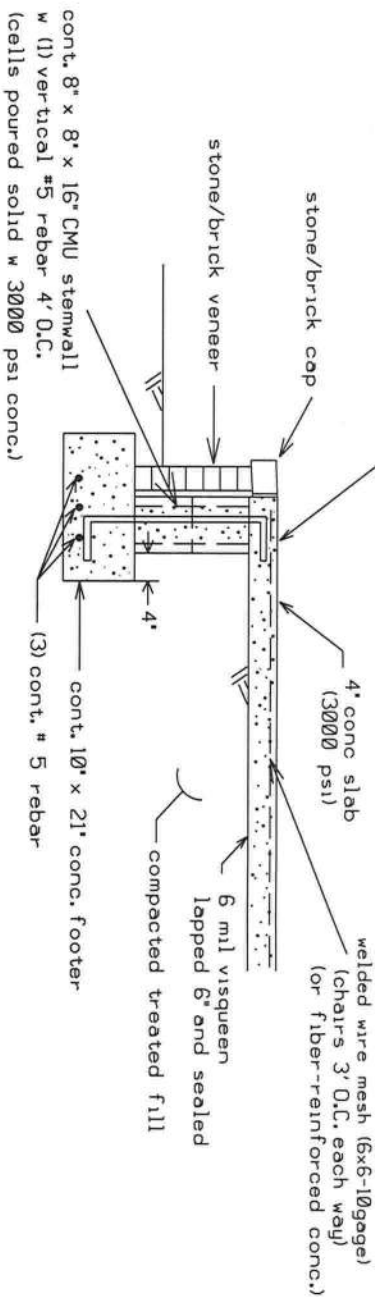
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B

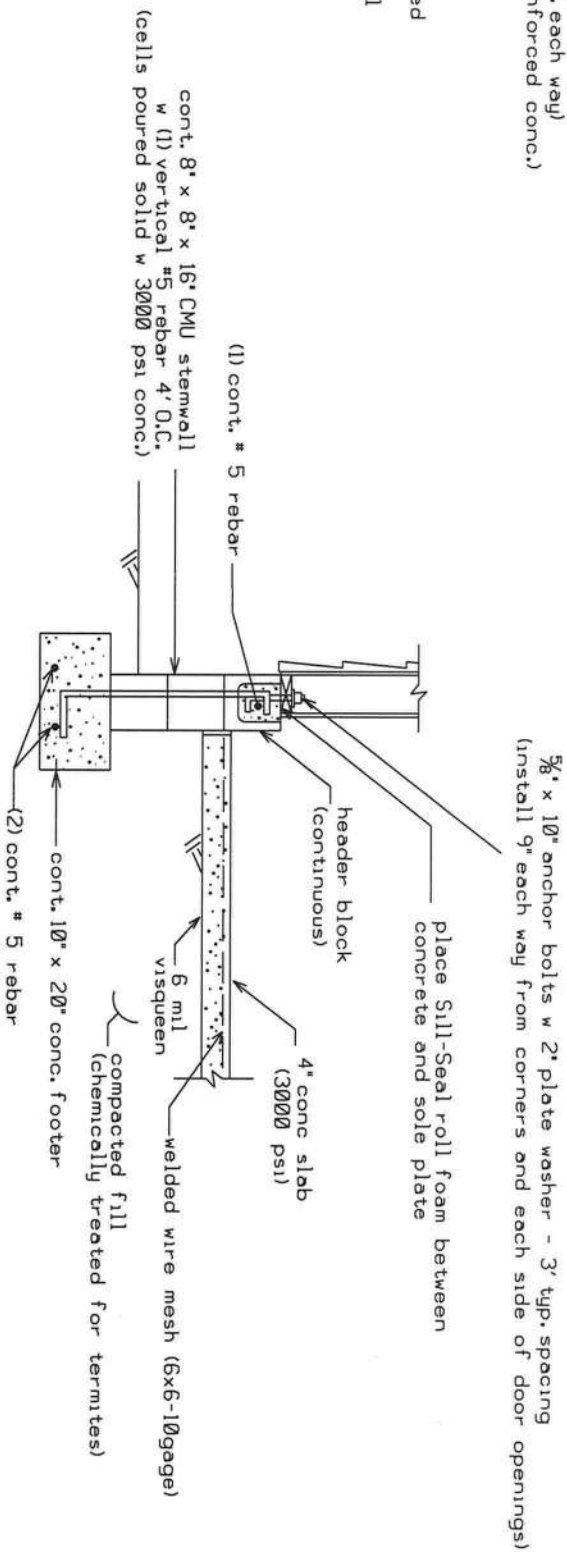
SHEET
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Porch shall be dropped 3' below finished interior slab elevation and shall be sloped to edge of porch for drainage.



OPTIONAL PORCH FOUNDATION w STONE DETAIL (N.T.S.)

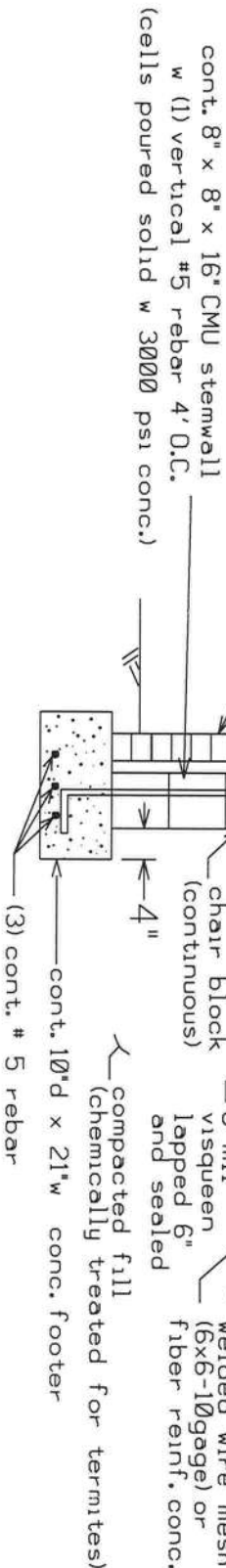
DETAIL C - GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)



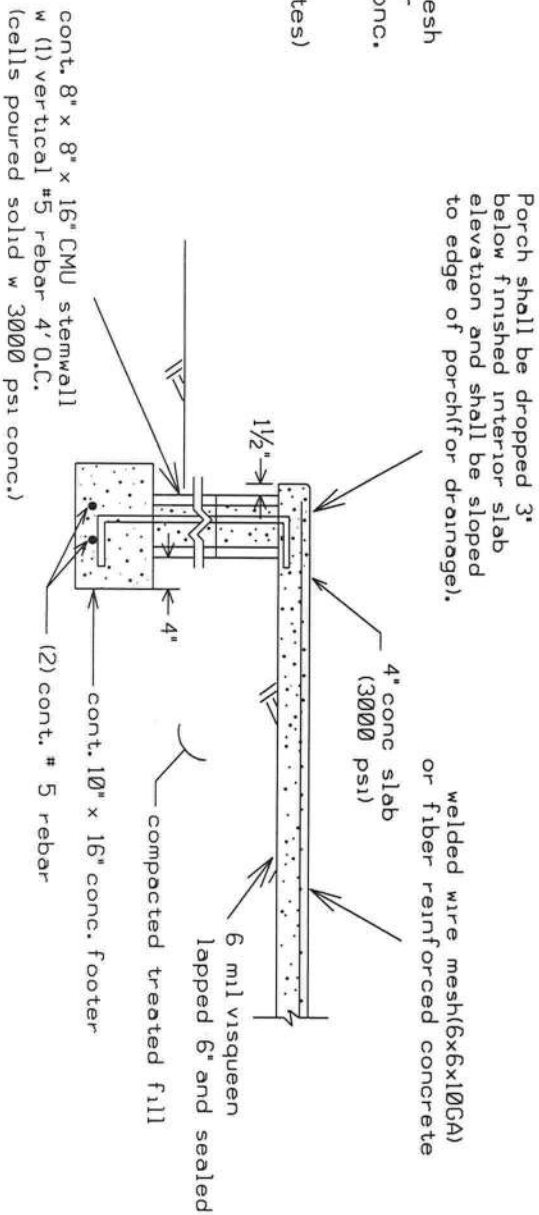
5/8" x 10" long anchor bolts w 2" plate washer - 3' typ. spacing (install each side of door openings and 9' from corners)

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

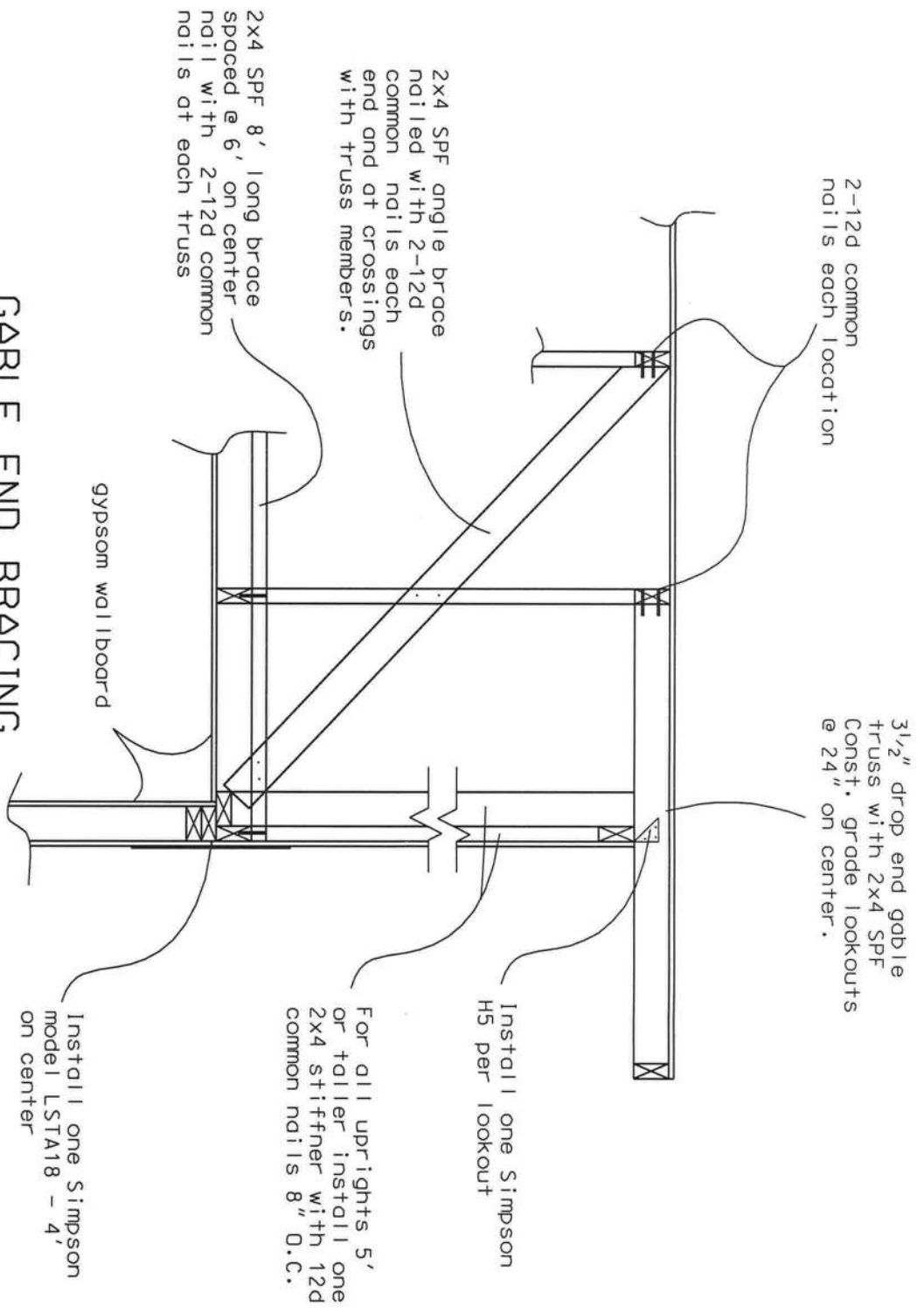
brick/stone kneewall with rowlock cap (limits and height per owner)



OPTIONAL EXTERIOR WALL FOUNDATION w STONE DETAIL (N.T.S.)

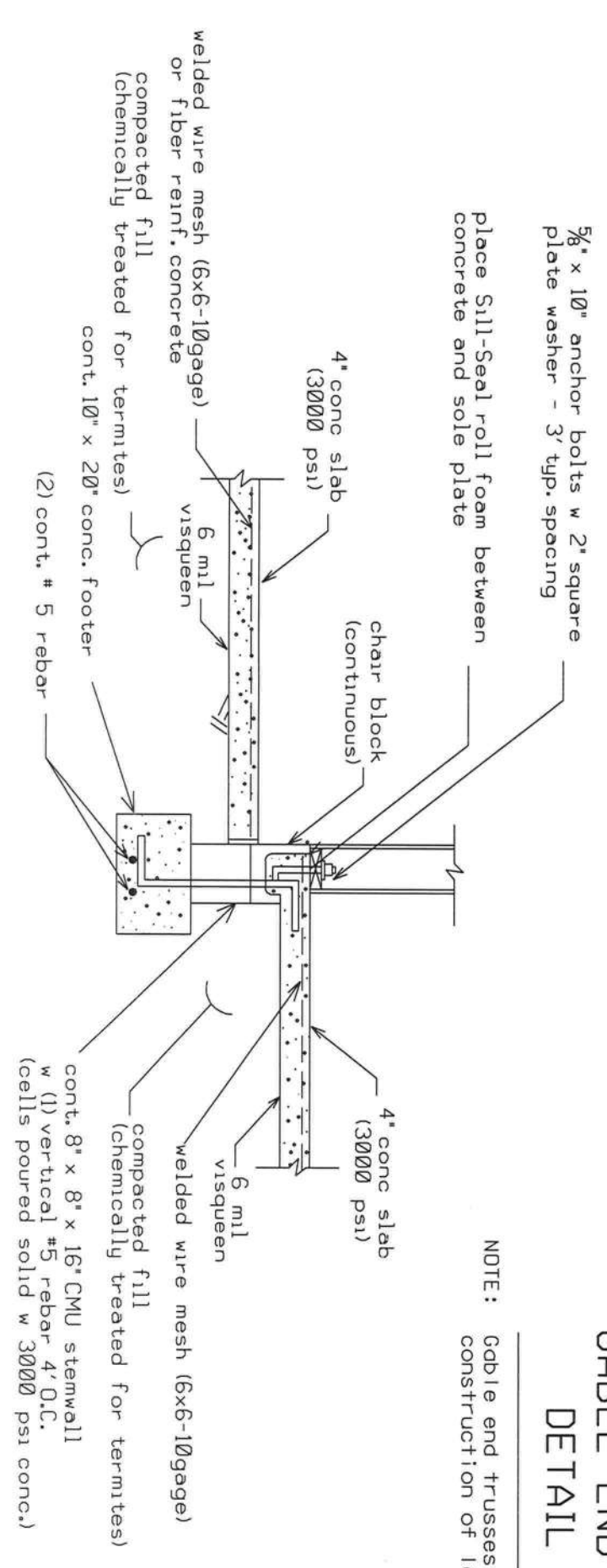


DETAIL B - PORCH FOUNDATION (N.T.S.)



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

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



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

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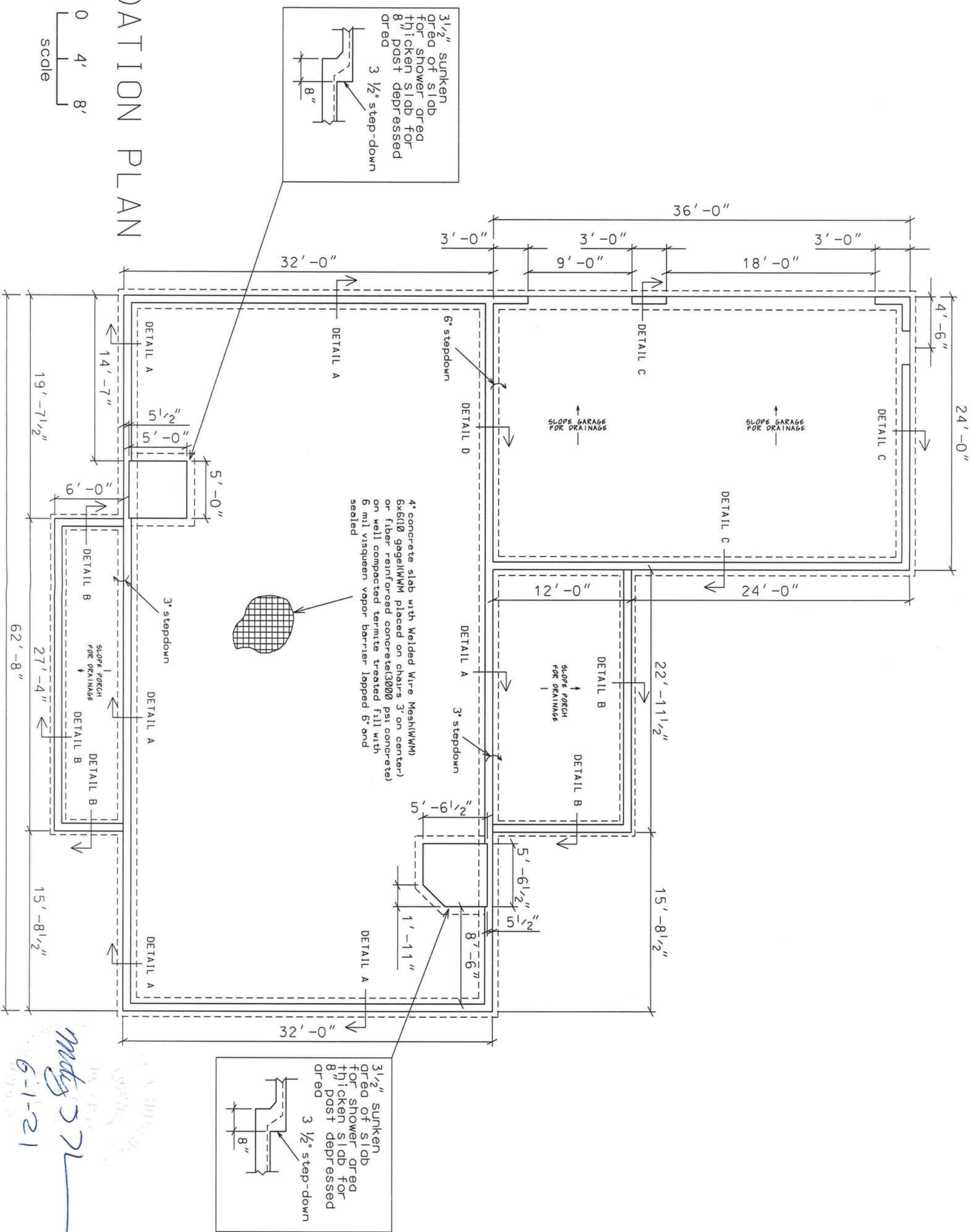
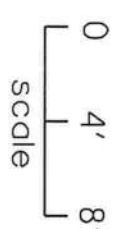
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SHEET
7
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[illegible]

edge of roof

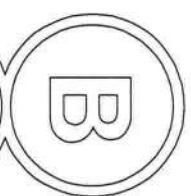
FOUNDATION PLAN



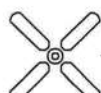
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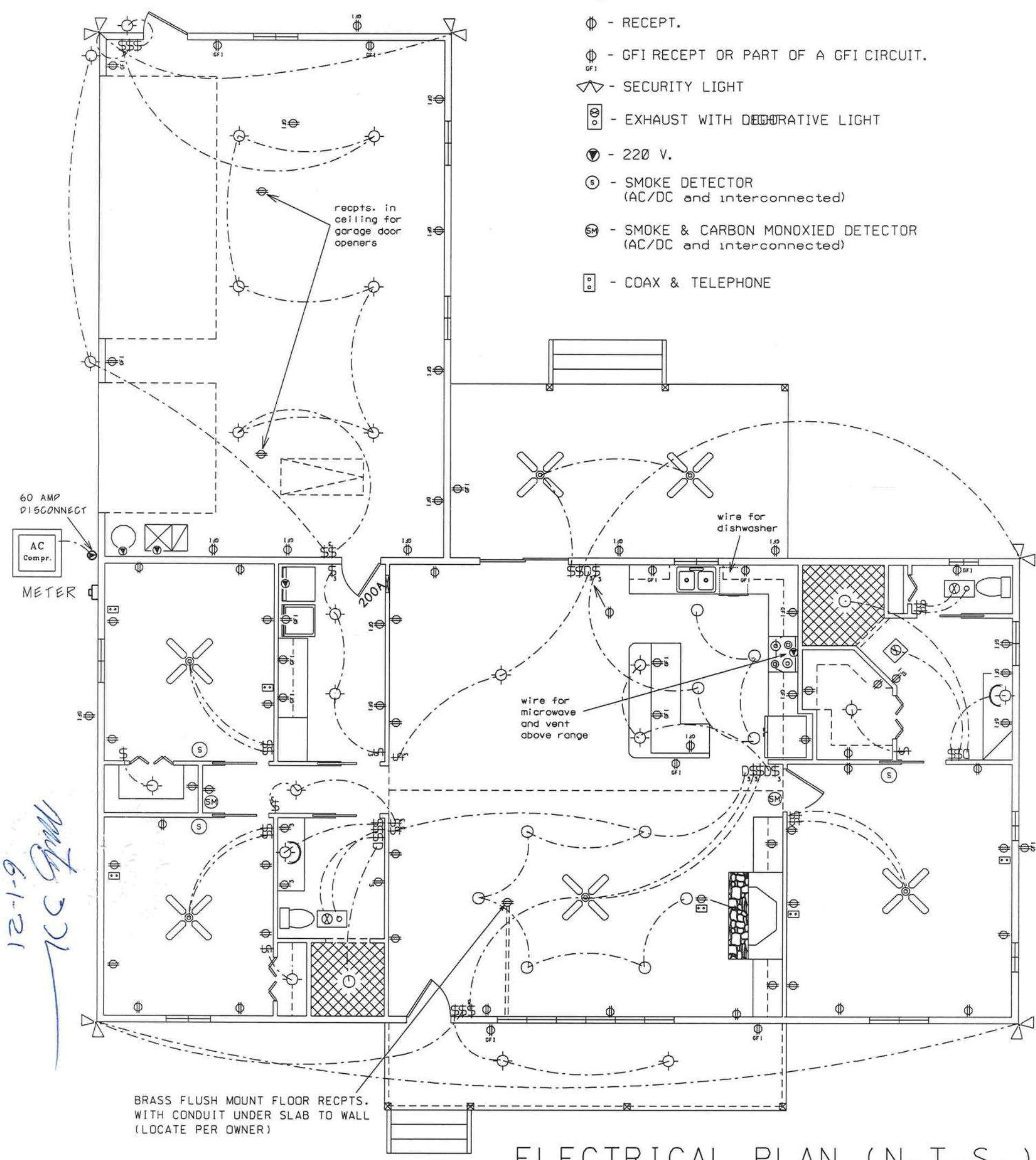


ELECTRICAL LEGEND

-  - 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 DECORATIVE LIGHT
-  - 220 V.
-  - SMOKE DETECTOR (AC/DC and interconnected)
-  - SMOKE & CARBON MONOXIED DETECTOR (AC/DC and interconnected)
-  - 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 4 LIGHTS IN HOME ATTIC AREA WITH SWITCH NEAR ATTIC ACCESS.



ELECTRICAL PLAN (N.T.S.)

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SHEET
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