

LOMINACK GARAGE PLANS

COLUMBIA COUNTY, FL

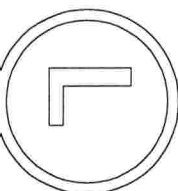
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Marty J. Humphries
9-28-09

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COLUMBIA COUNTY, FLORIDA

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

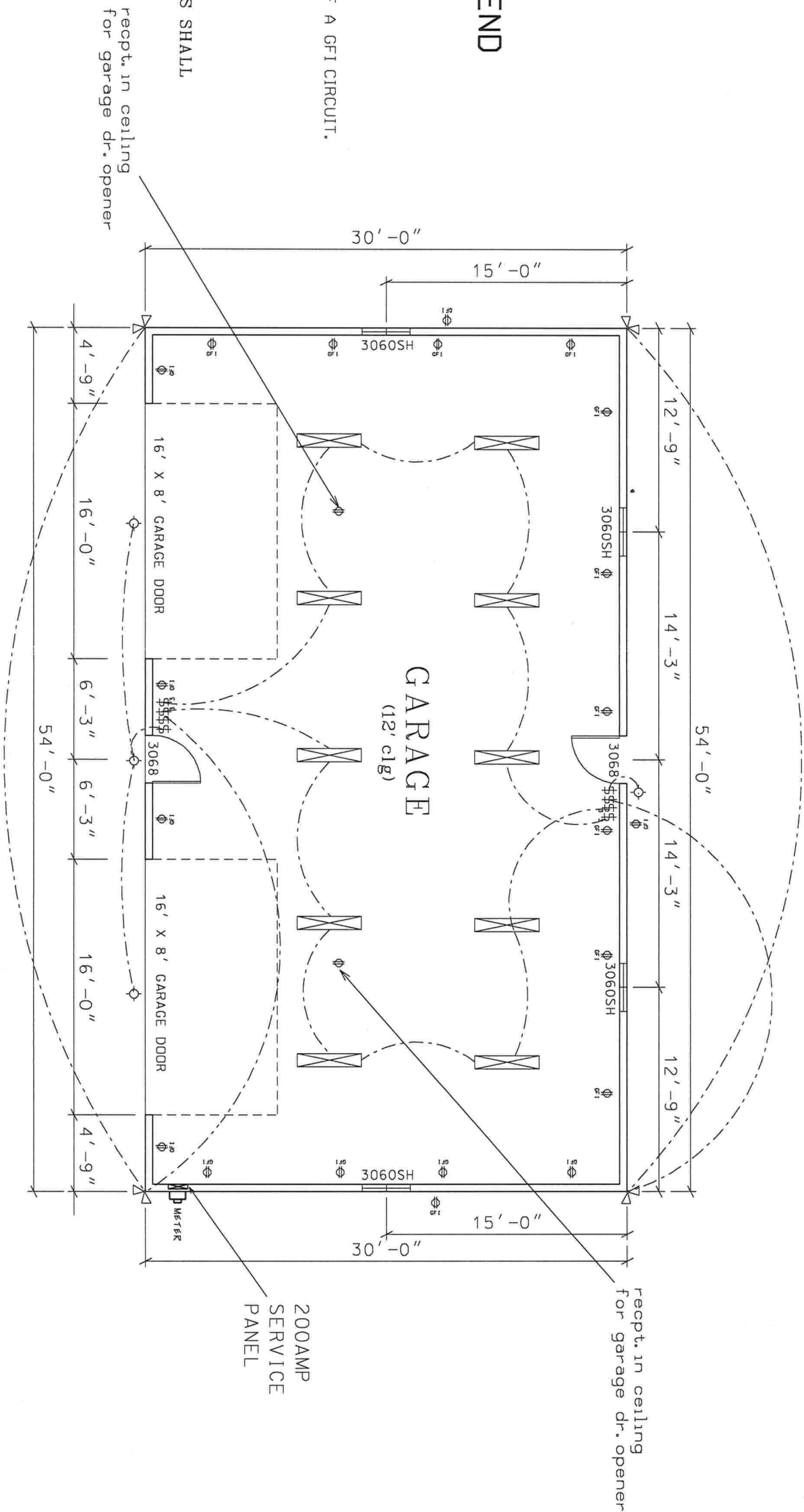


ELECTRICAL LEGEND

- ⊕ - LIGHT FIXTURE
- \$ - SINGLE POLE SWITCH
- \$ - THREE-WAY SWITCH
- ⊕ - GFI RECEPT OR PART OF A GFI CIRCUIT.
- ⚡ - SECURITY LIGHT

NOTES:

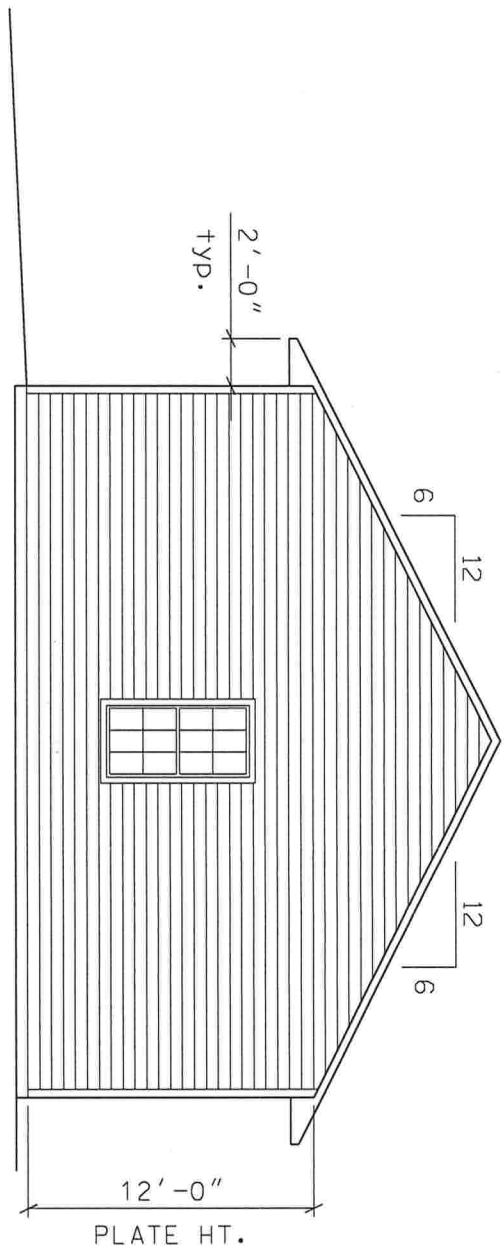
1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.



FLOOR PLAN

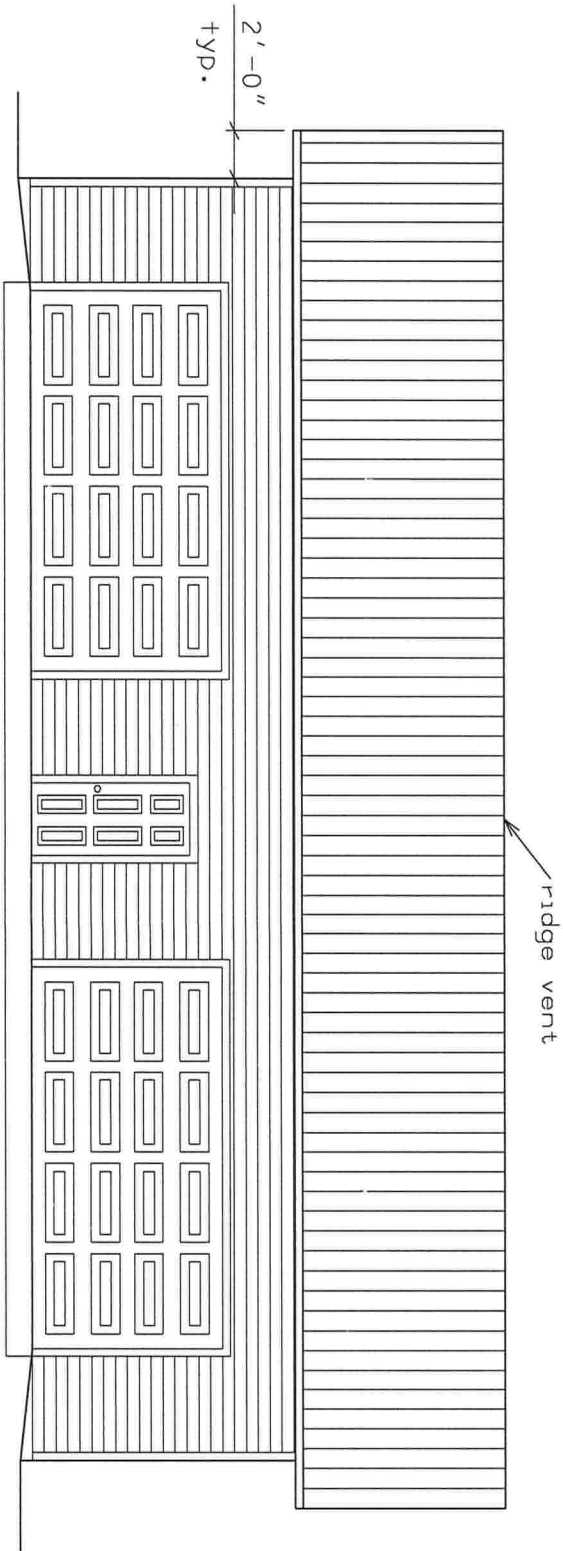
0 4' 8'
scale

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RIGHT ELEVATION

0 4' 8'
scale



FRONT ELEVATION

0 4' 8'
scale

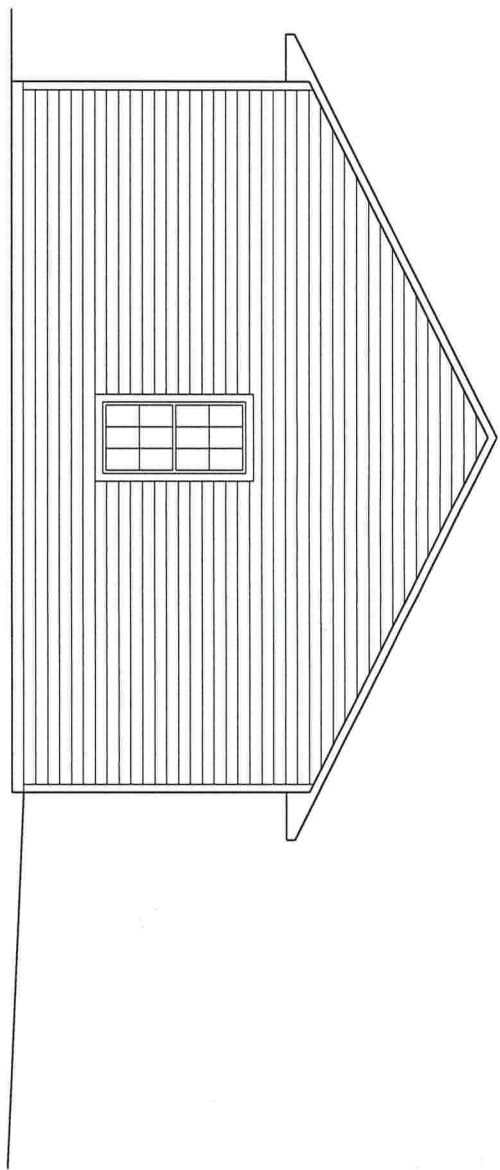
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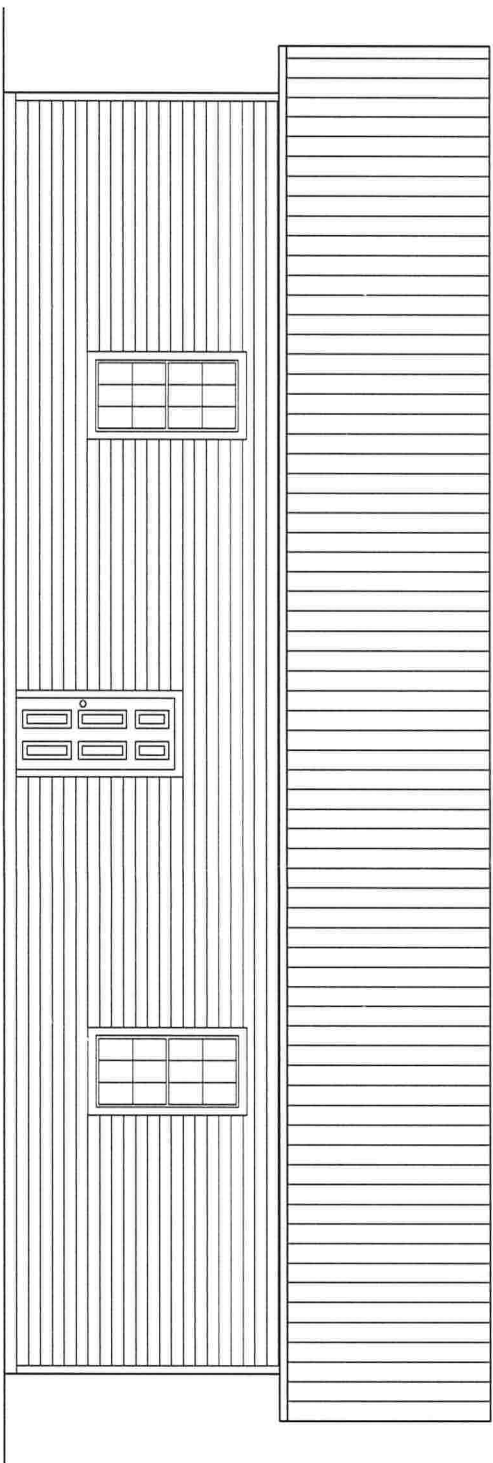
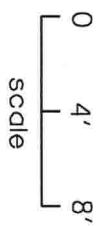
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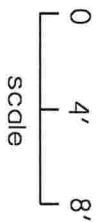
SHEET
3
OF
7



LEFT ELEVATION

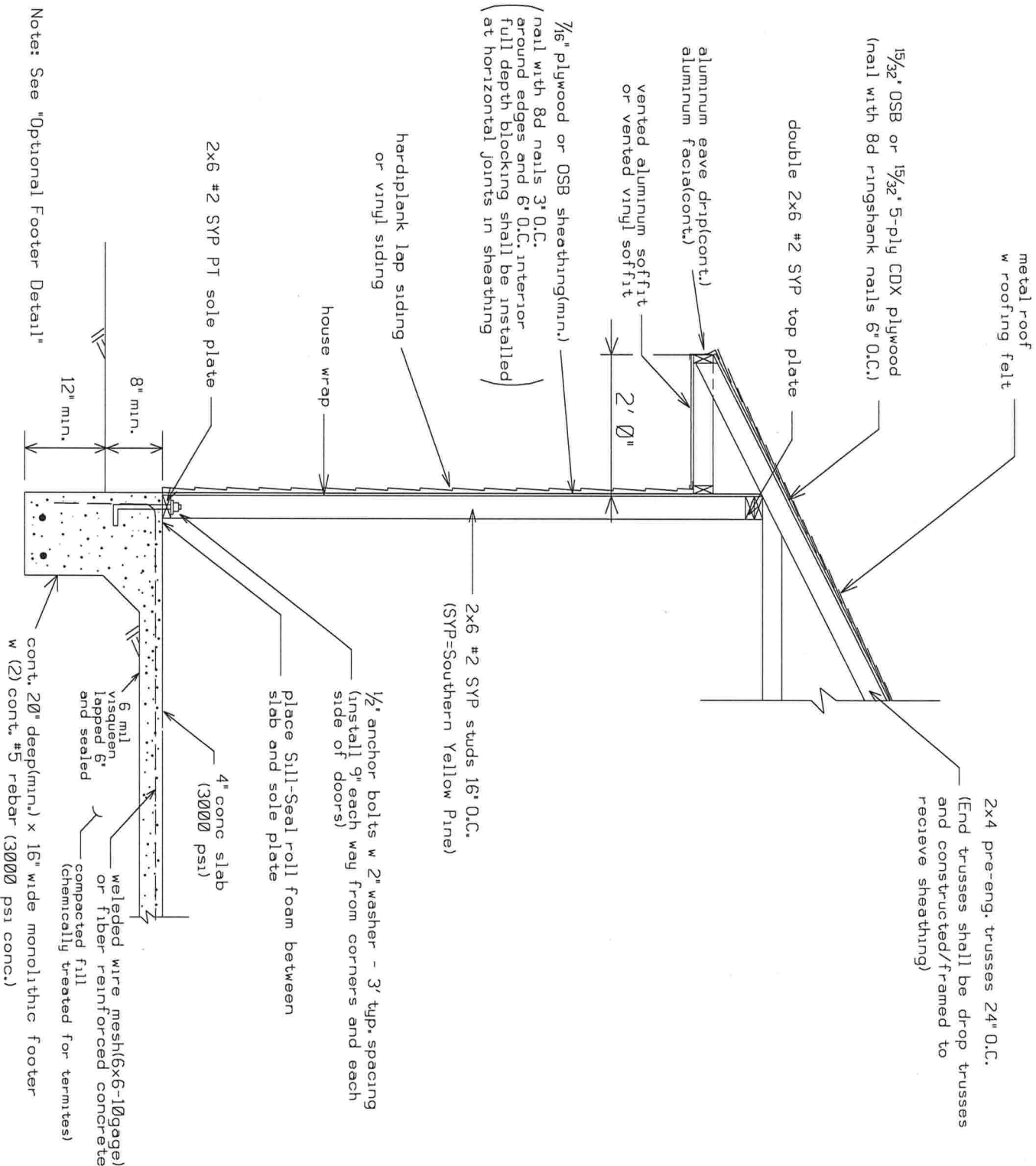


REAR ELEVATION



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SECTION A - WALL DETAIL(TYP.) N.T.S.

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

WINDOW AND DOOR OPENINGS(2-#2 SYP 2X12's with 1/2" OSB or plywood between - nail top and bottom together with 12d nails 10" O.C.)

GARAGE DOOR OPENINGS(2- 1 3/4" x 14" LVL's Fb=2250 psi, E=1,500,000 psi)

JACK AND KING(FULL) STUD REQUIREMENTS AT OPENINGS:

WINDOW & DOOR OPENINGS: INSTALL 1 JACK STUD AND 1 KING STUD EACH END OF THE HEADER
GARAGE DOOR OPENINGS: INSTALL 3 JACK STUDS AND 3 KING STUDS EACH END OF THE HEADER

STRAPPING AND ANCHOR REQUIREMENTS (Designed in accordance with 2007 FBC and 2009 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
Wall Height = 12'
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 Plate Locations Install one Simpson H10 anchor.

GABLE ENDS:

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

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

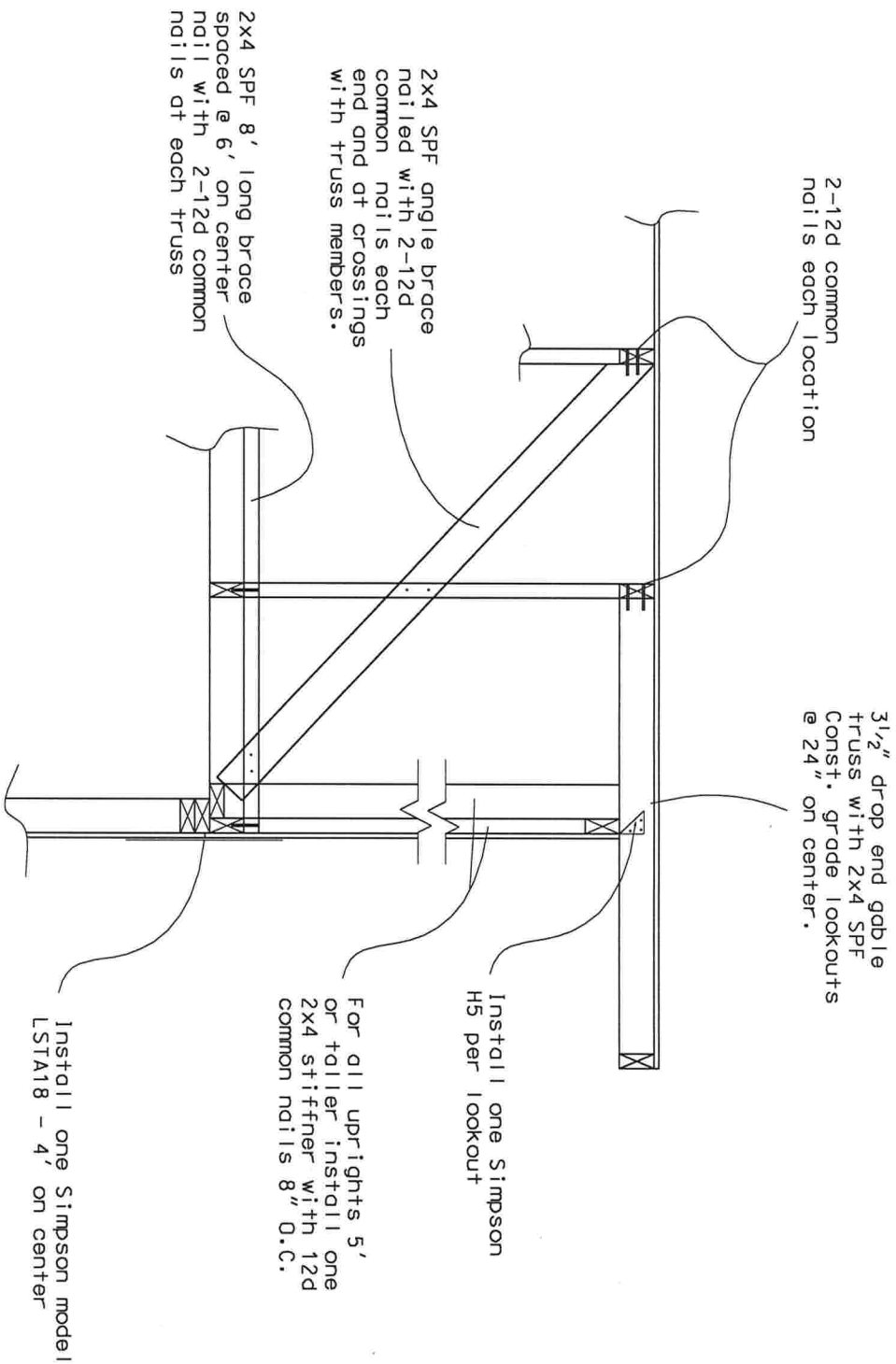
BRACING: At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss 45 degrees to truss at roof sheathing, 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)

WALL STRAP TIES:

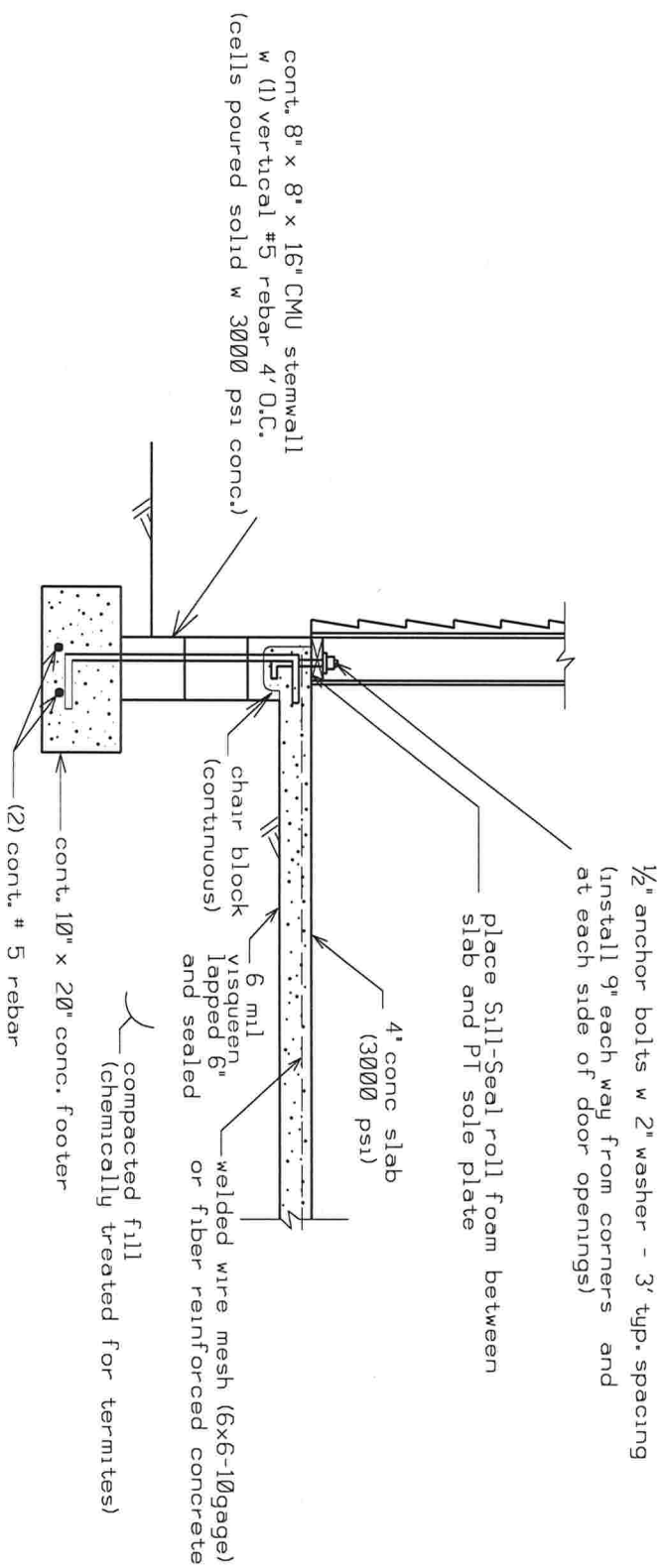
At top and bottom of walls install one Simpson model SP6 at each side of each widow and door. At each side of the garage door openings install three SPH6's top and bottom of the wall. At other wall locations install one SP6 at the top and bottom of the wall 4' on center. If Windstorm full depth sheathing is installed SP6's in clear runs of the wall may be omitted however straps at each sides of doors and windows shall still be installed.

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

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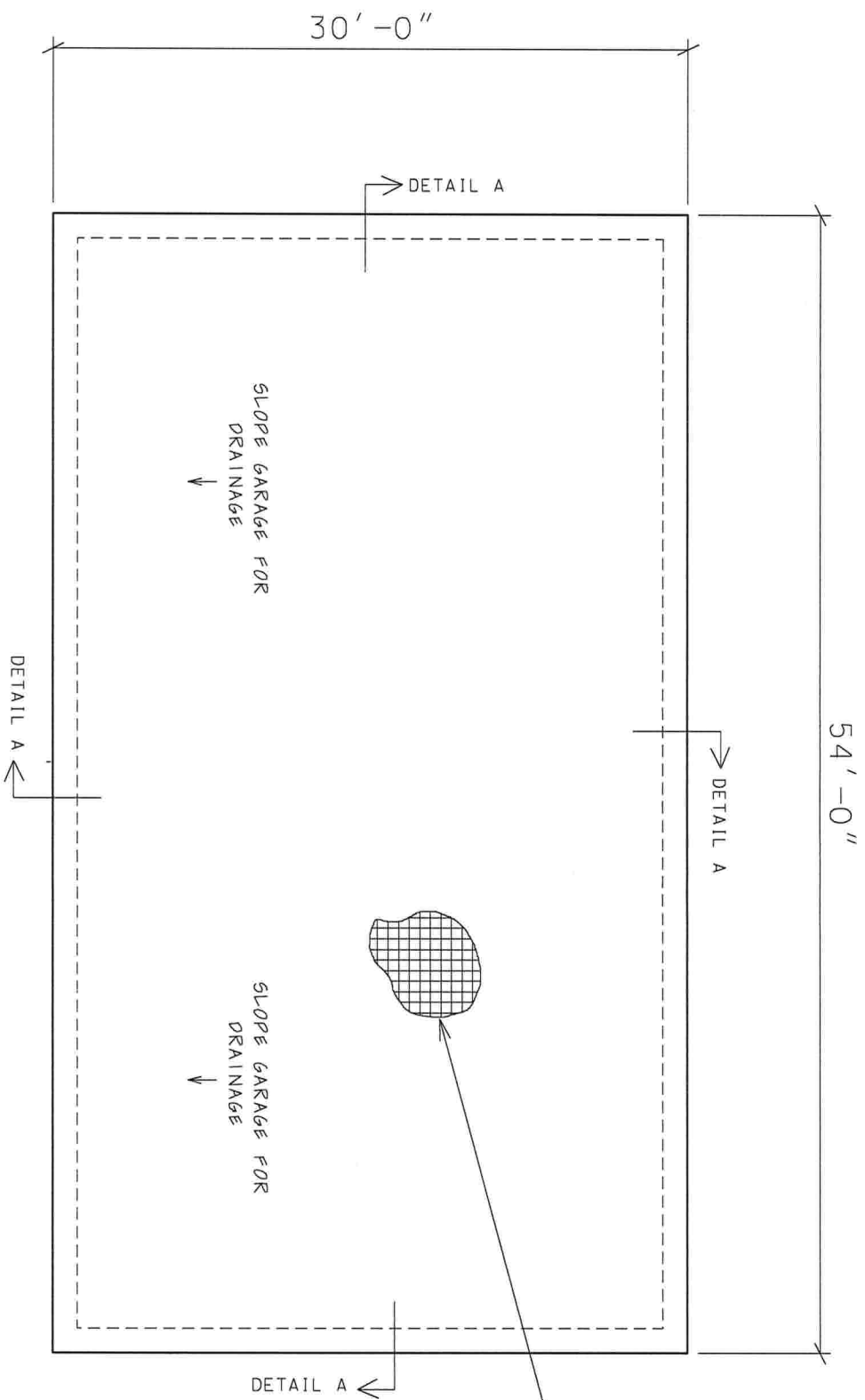


GABLE END BRACING DETAIL (N.T.S.)



OPTIONAL STEMWALL GARAGE FOUNDATION DETAIL - GARAGE STEMWALL WITH SLAB(N.T.S.)

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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

0 4' 8'
scale

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