

FIVE ASH FOREST SUBDIVISION
COLUMBIA COUNTY, FL
GARAGE ADDITION PLANS

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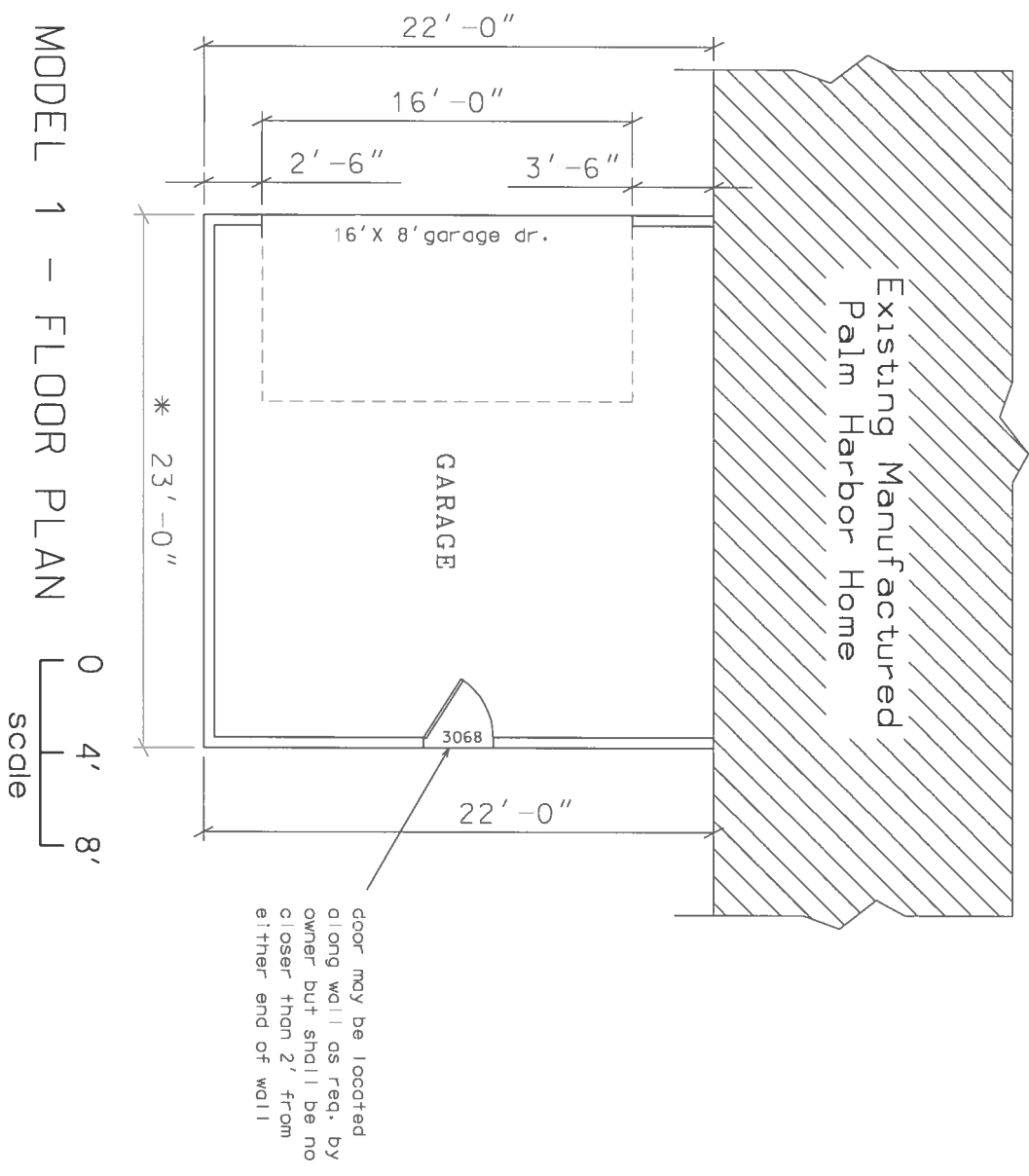
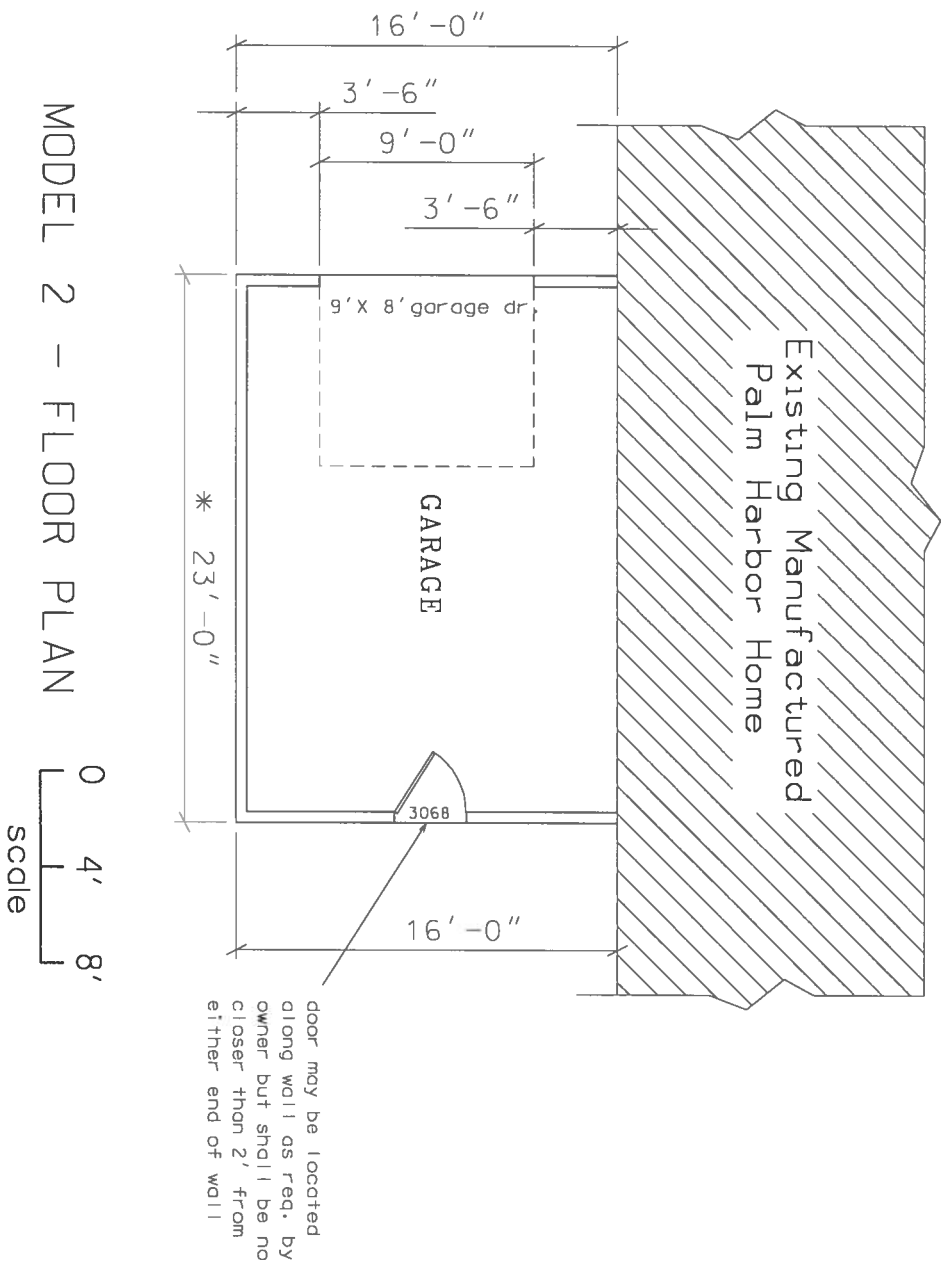
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1-5-07



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FIVE ASH FOREST- GARAGE PLANS
COLUMBIA COUNTY, FLORIDA

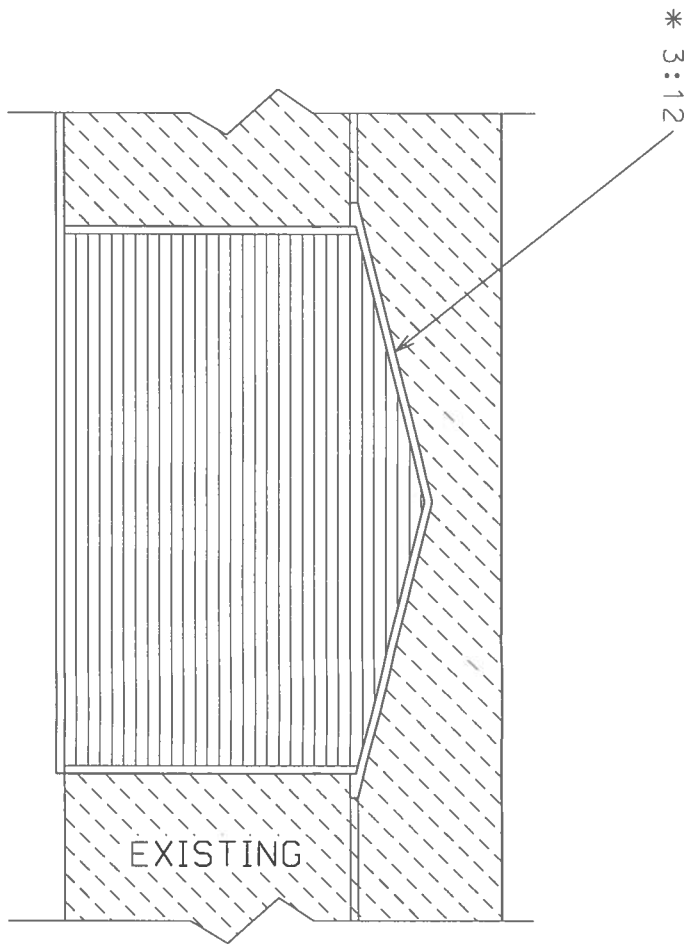
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* - This dimension may be increased to up to 26' with no change in structural requirements.

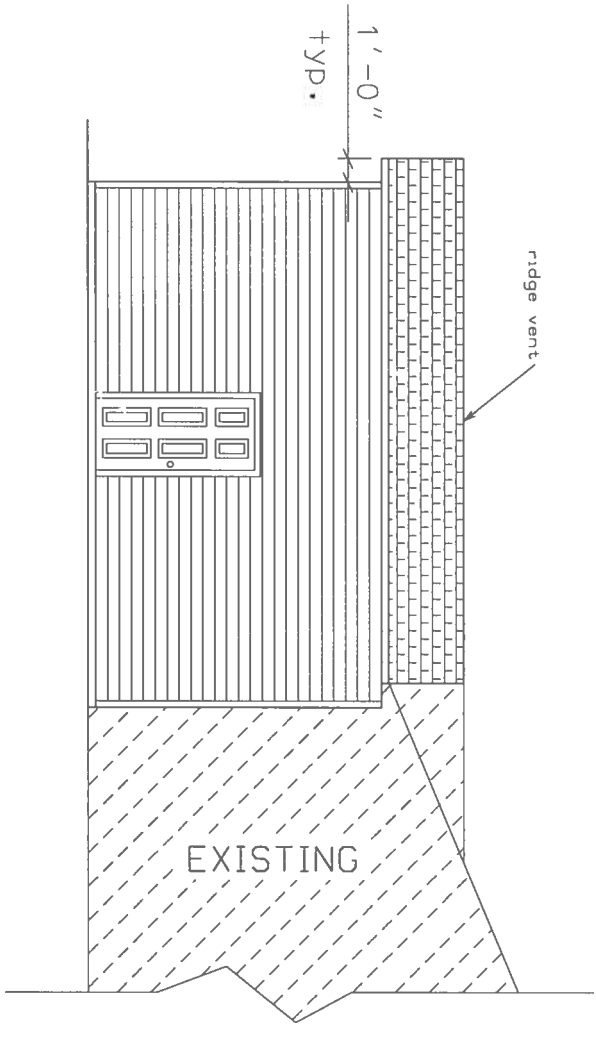
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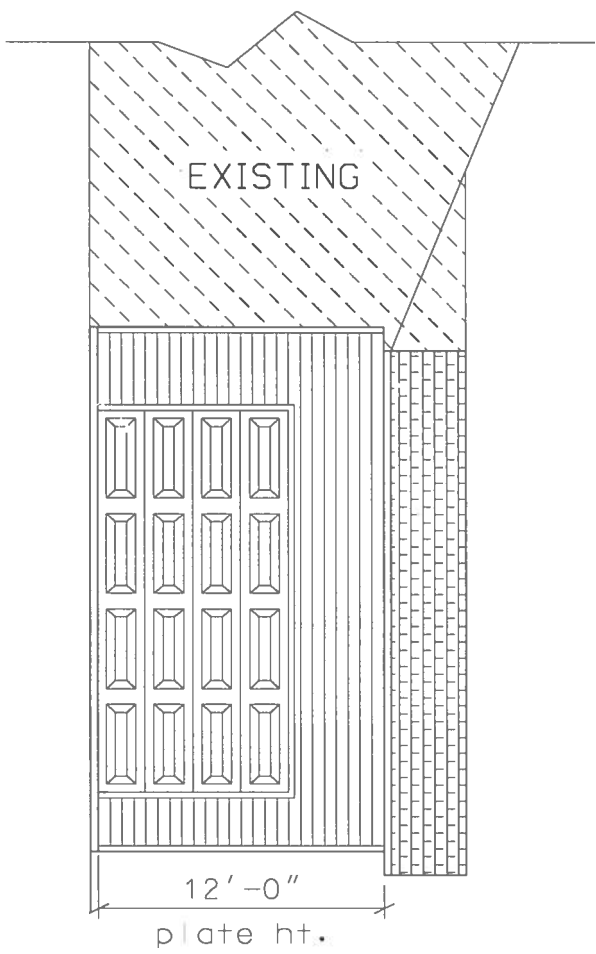
MODEL 1 – FRONT ELEVATION

0 4' 8'
scale



MODEL 1 – RIGHT ELEVATION

0 4' 8'
scale



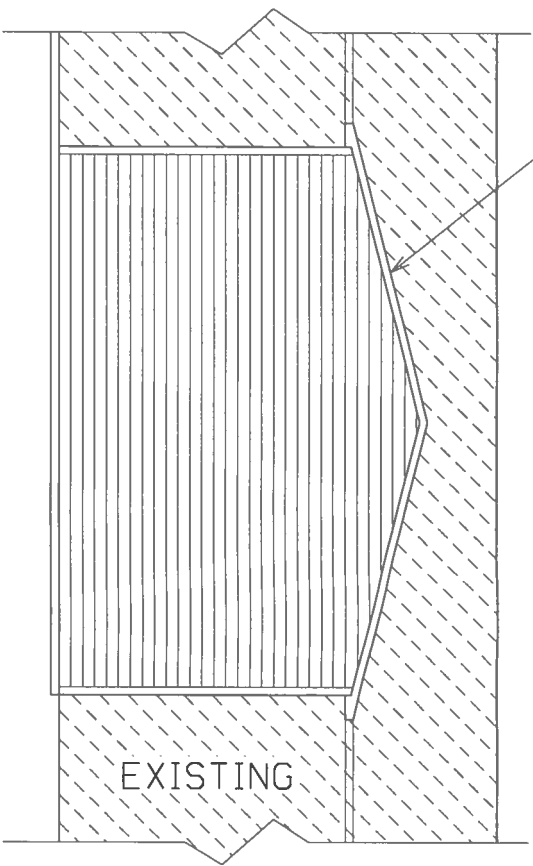
MODEL 1 – LEFT ELEVATION

0 4' 8'
scale

* – Roof pitch may be increased to 5:12 with no change to structural requirements

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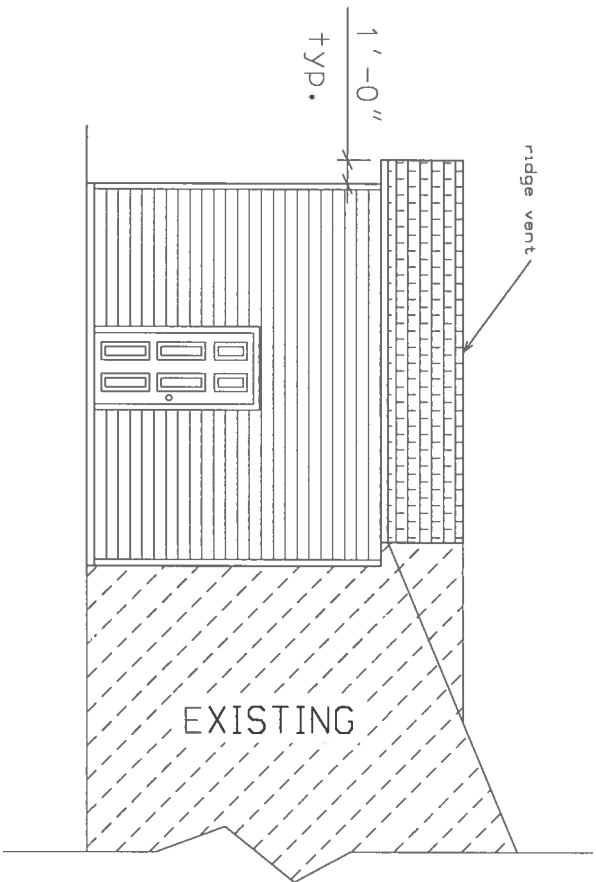
* 3:12



MODEL 2 – FRONT ELEVATION

0 4' 8'

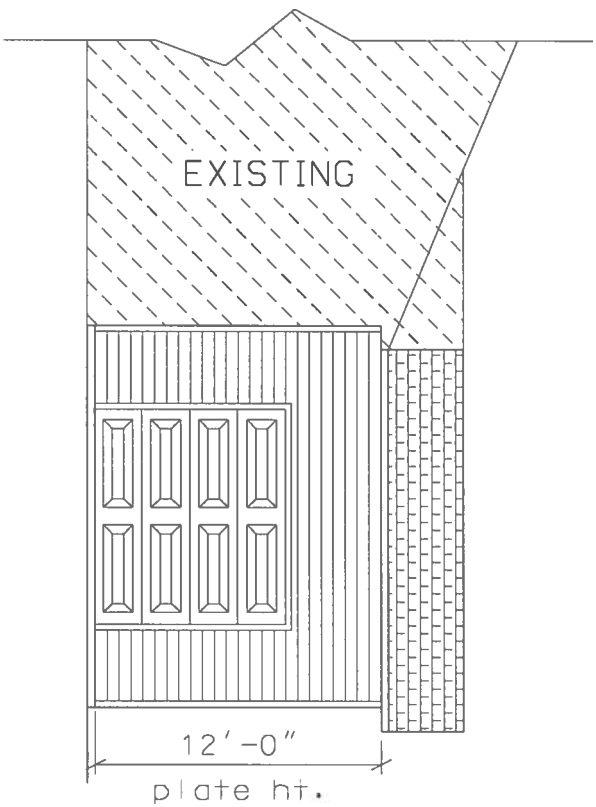
scale



MODEL 2 – RIGHT ELEVATION

0 4' 8'

scale



MODEL 2 – LEFT ELEVATION

0 4' 8'

scale

* – Roof pitch may be increased to 5:12 with no change to structural requirements

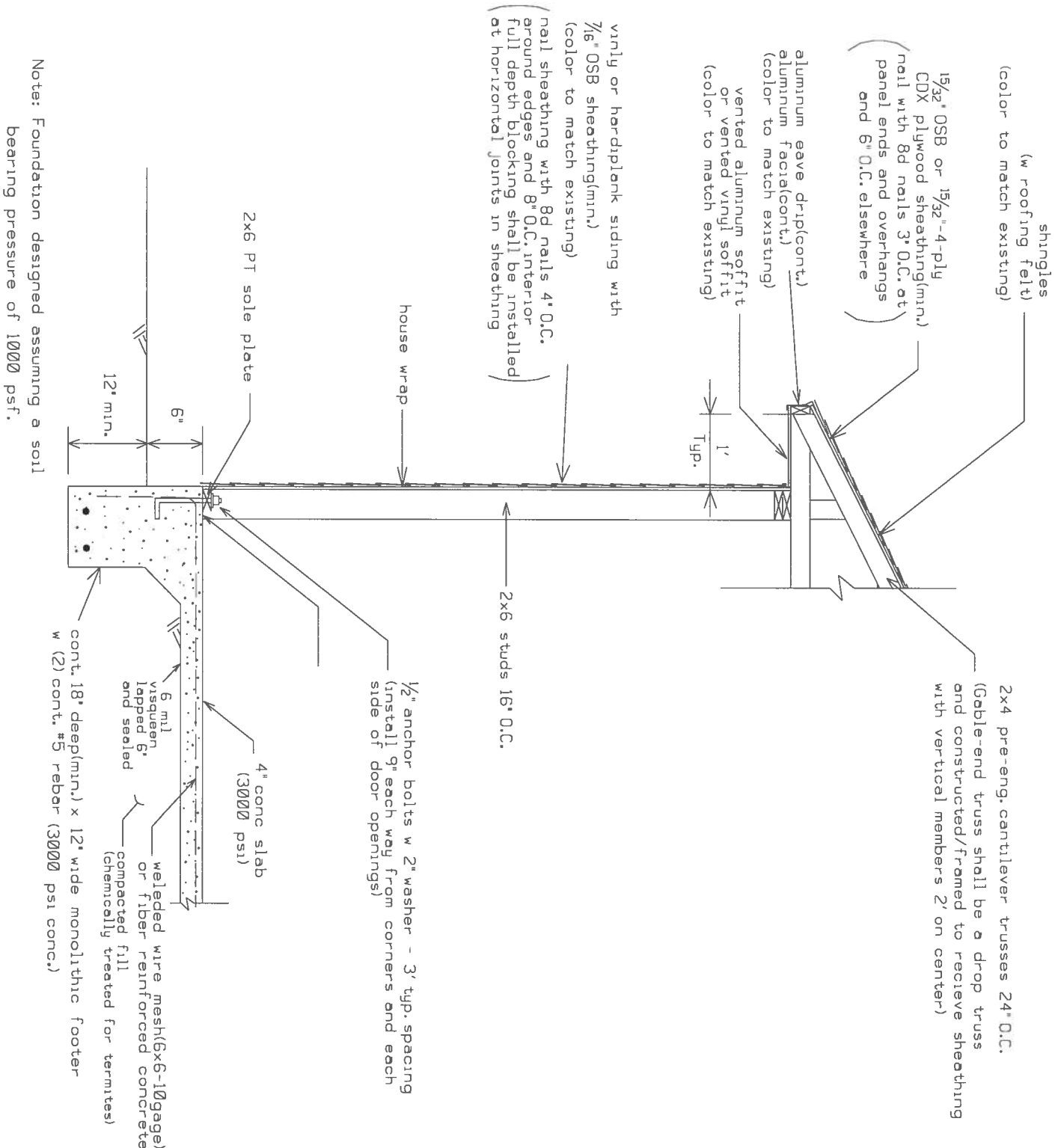
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Note: Foundation designed assuming a soil bearing pressure of 1000 psf.

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

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

- 3' DOOR OPENING(2-#2 SYP 2X8's with 2x6 top and bottom)
- 9' GARAGE DOOR OPENING(2-#2 SYP 2x12's with 2x6 top and bottom)
- 16' GARAGE DOOR OPENING(2- 1.75" X 14" LVL BEAMS (Louisiana Pacific 1.75" x 14" Gang Lam 2250 Fb 1.5E or equivalent capacity beam)

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STRAPPING AND ANCHOR REQUIREMENTS
(Designed in accordance with 2004 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' 6"(worst case)
- Height and Exposure Adjustment Coefficient = 1.0
- Roof Cross Slope = 3:12 standard may be increased to 5:12
- Wall Height = 12'
- Analysis Method = FBC 1609.6 - Simplified Provisions for Low Rise Buildings (see tables 1609.6A, 1609.6B, 1609.6C and 1606.2E for wind pressure values)

TRUSS ANCHORS:

At Truss to Exterior Wall Plate Locations install one Simpson model H10 anchor.

GABLE ENDS:

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

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

BRACING: At front 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 3' door. At 9' garage door opening install two SP6's each side top and bottom of the wall. At 16' garage door opening install 3 SPH6's each side top and bottom of the wall. At other wall locations install one SP6 at the top and bottom of the wall 4' on center.

WALL SHEATHING:

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

WALL STUD CONNECTION TO EXISTING MANUFACTURED HOME:

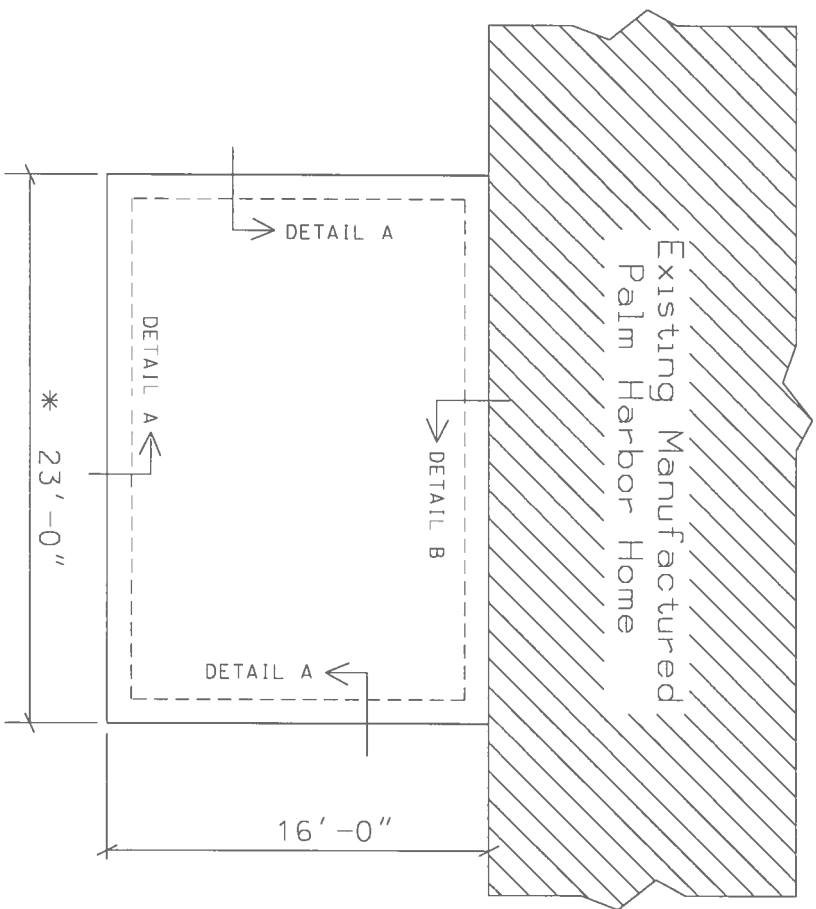
First wall stud connecting to manufactured home shall be pressure treated and connected to home with 1-2.5" #10 wood screw 6" on center average.

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



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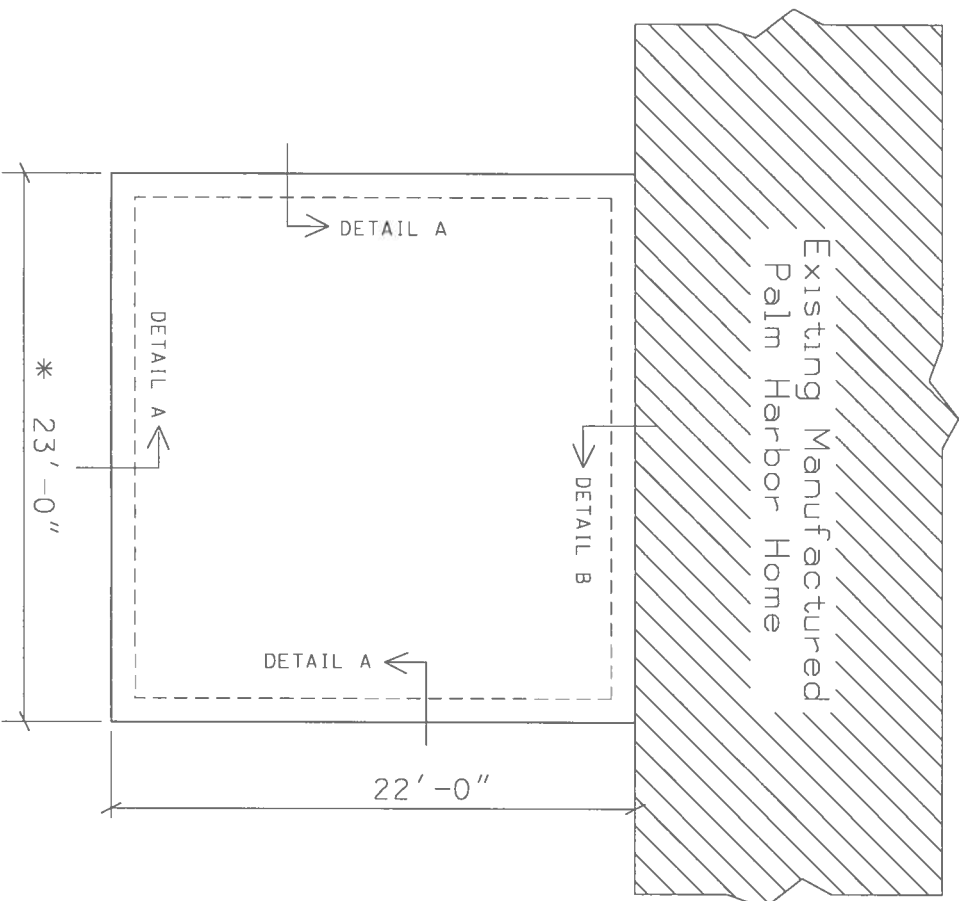
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MODEL 2 - FOUNDATION PLAN

0 4' 8'

scale



MODEL 1 - FOUNDATION PLAN

0 4' 8'

scale

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