

CODE SUMMARY

REFERENCE: VIRGINIA UNIFORM STATEWIDE BUILDING CODE 2015

OCCUPANCY CLASSIFICATION: R-5

CONSTRUCTION TYPE: 5B

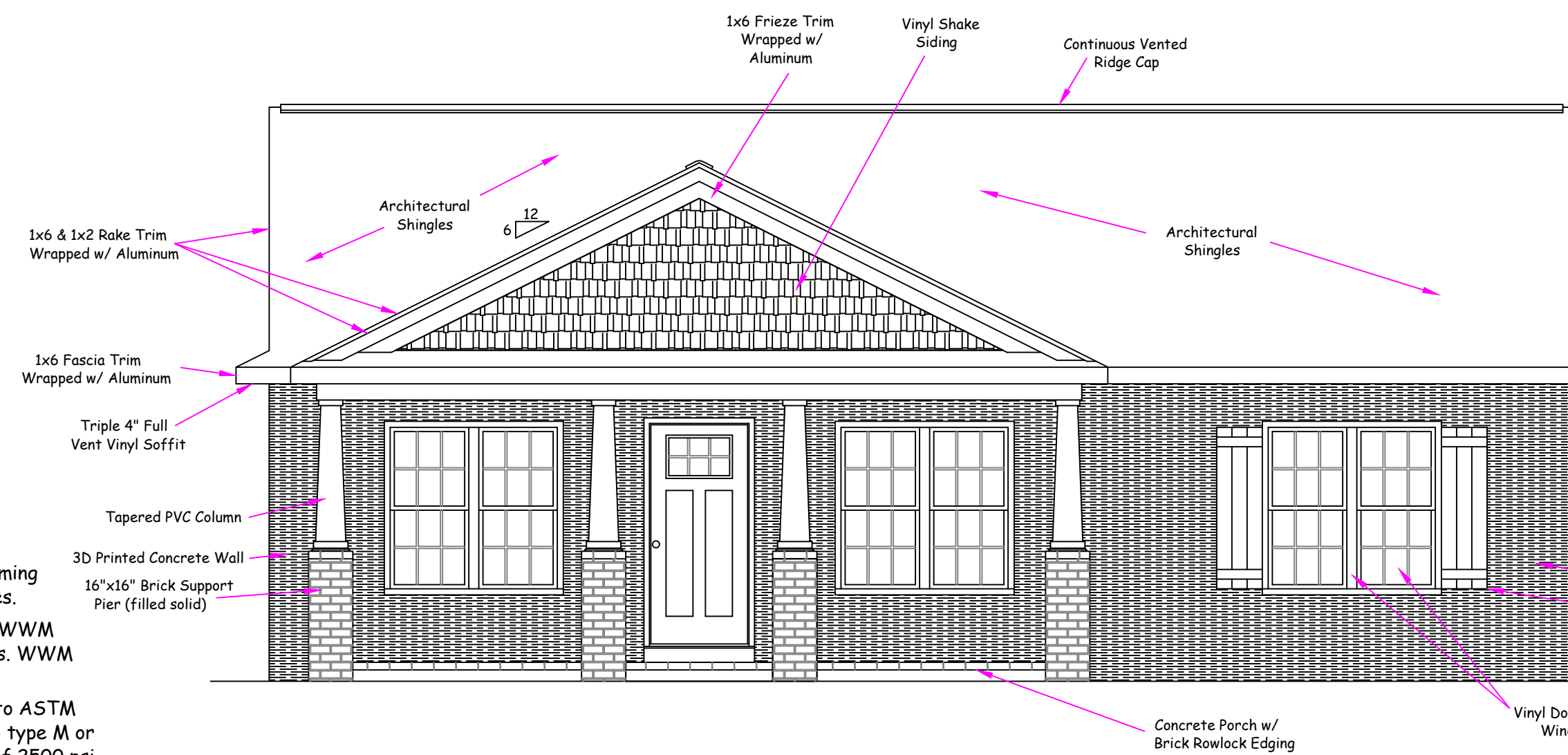
ZONING: MU MIXED USE

GENERAL NOTES:

- 1) Soil shall have a safe bearing capacity of 2000 psf. See soil report.
- 2) Concrete for footings and slabs shall have a 28 day compressive strength of 3000 psi.
- 3) Reinforcing steel shall be deformed new billet steel bars conforming to ASTM A615 grade 60 and shall lap 40x bar diameter at splices.
- 4) Concrete slabs shall be reinforced with polypropylene fibers or WWM 6x6- W10/W10 including appropriate saw and construction joints. WWM shall conform to ASTM A185
- 5) Hollow concrete masonry units shall be light weight conforming to ASTM C90 grade N1. Mortar for masonry shall conform to ASTM C476 type M or S below grade. Grout shall have a 28 day compressive strength of 2500 psi.
- 6) Structural steel shall conform to ASTM A36.
- 7) All sawn lumber shall be southern yellow pine No 2 grade or better. Wall studs to be SPF No 2.
- 8) Laminated veneer lumber, LVL, shall have Fb=2600 psi and E=1.9EE6
- 9) Simpson, Tapcon and all other name brand products may be substituted with approved equal products.
- 10) All steel in contact with pressure treated material or exposed to the exterior shall be hot dipped galvanized.
- 11) See manufacturer layouts for placement of pre-engineered beams and joists.
- 12) Structure to be Chemically protected from termite infestation by utilizing the field applied wood treatment in accordance with R302.2
- 13) In accordance w/ R602.8 seal opening around vents, pipes, cables and wires at ceiling and floor level w/ DrafTstop brand noncombustible filler compound or approved code equal.
- 14) Install flashing at Windows and Doors as per Mfg.'s prescriptive flashing requirements. A copy of such requirements shall stored with the Approved Construction drawings.
- 15) Install Smoke Alarms in locations as designated by R314.3
- 16) Install Carbon Monoxide Detectors in locations as designated by R315.1
- 17) Install Fire Extinguisher in Kitchen area as per R329.1
- 18) Install Wall, Ceiling and Floor insulation in accordance with table N1102.1
- 19) Seal Building Envelope in accordance with N1102.4.2.2 Visual Inspection option
- 20) All decks shall be constructed in accordance with the DCA-6-12 Deck Detail

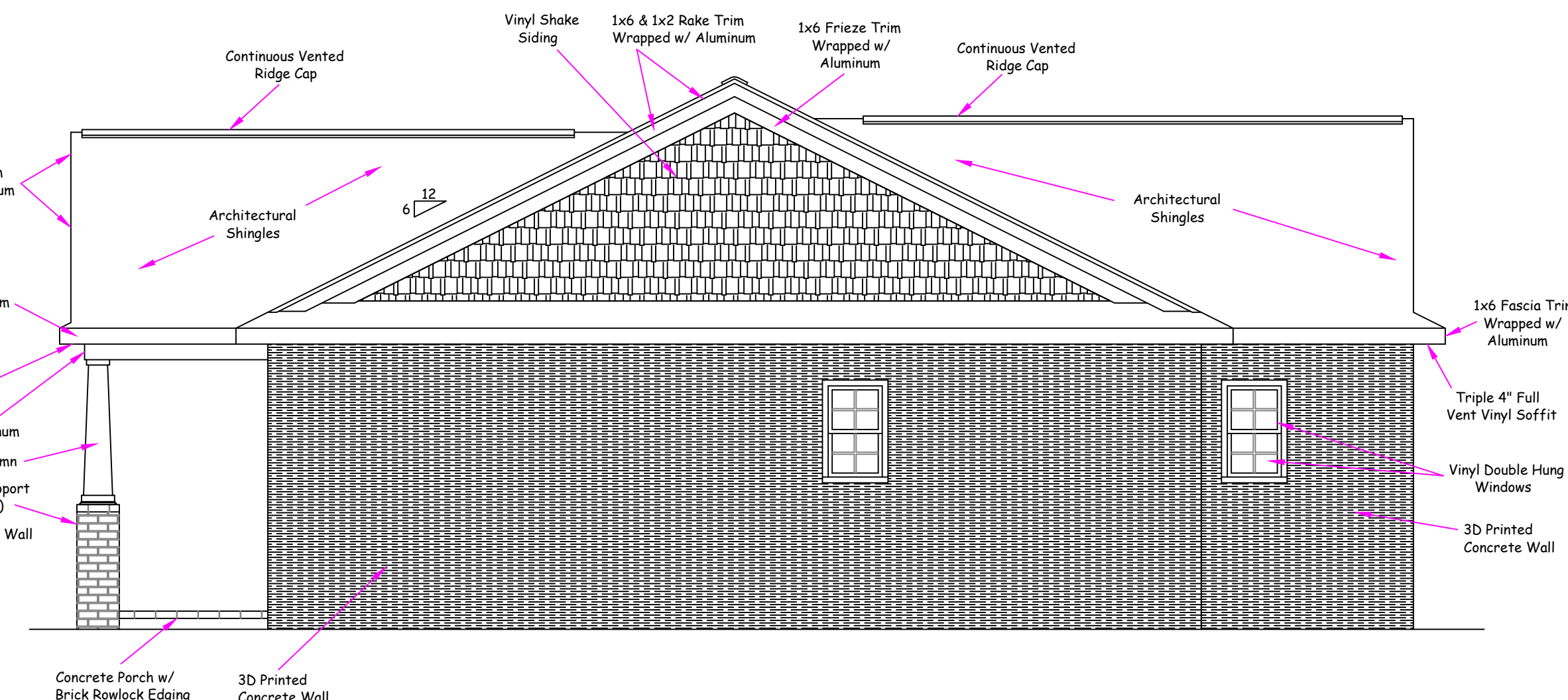
LOADING:

First Floor	40 psfll, 10 psfdl
Ceiling Joist (over living area)	20 psfll, 10 psfdl
Rafters	20 psfll, 10 psfdl
Wind	100 mph, Exp 'B', factor 1.03 3 sec. gust



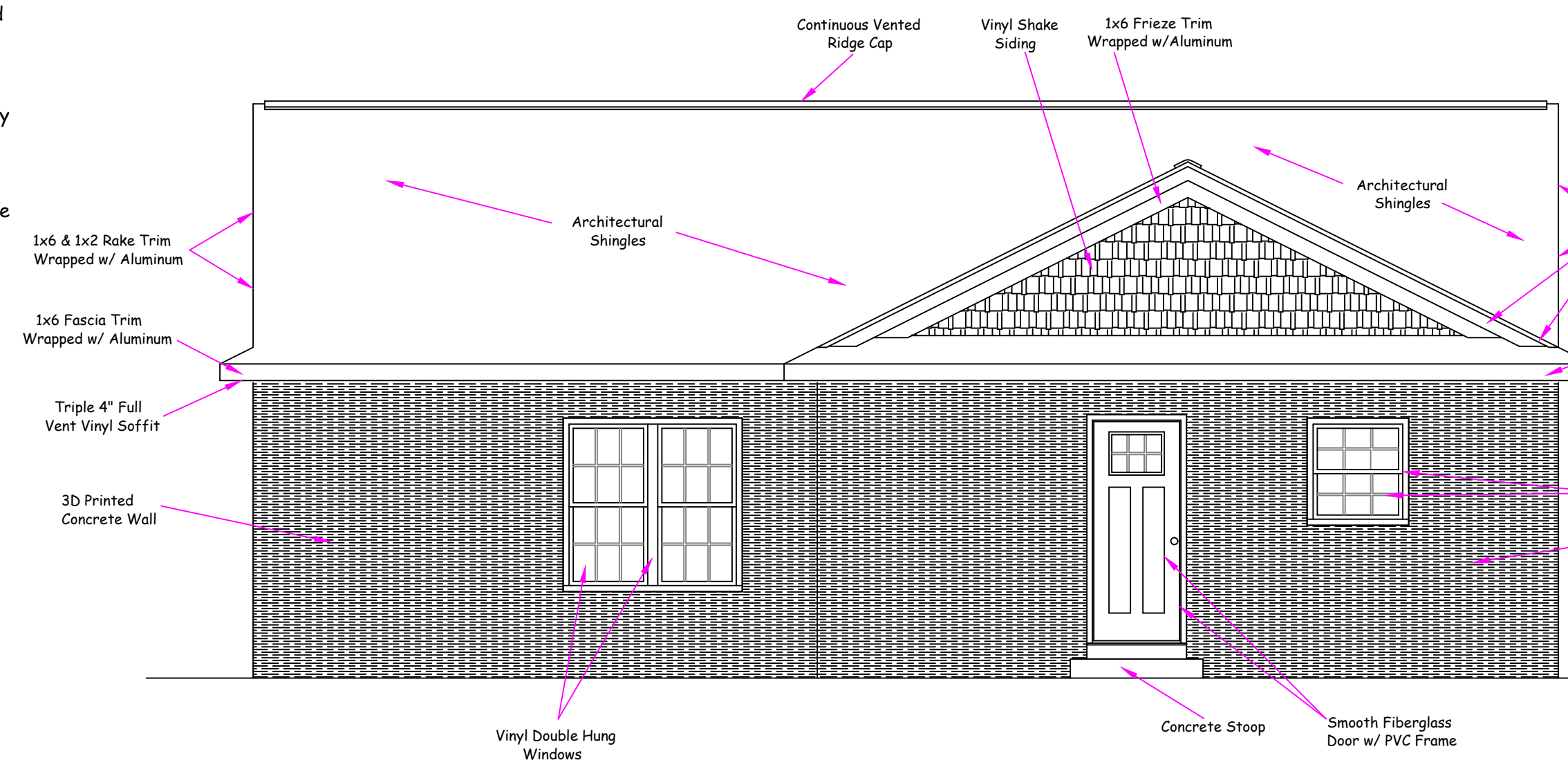
Front Elevation

Scale: 1/4"=1'-0"



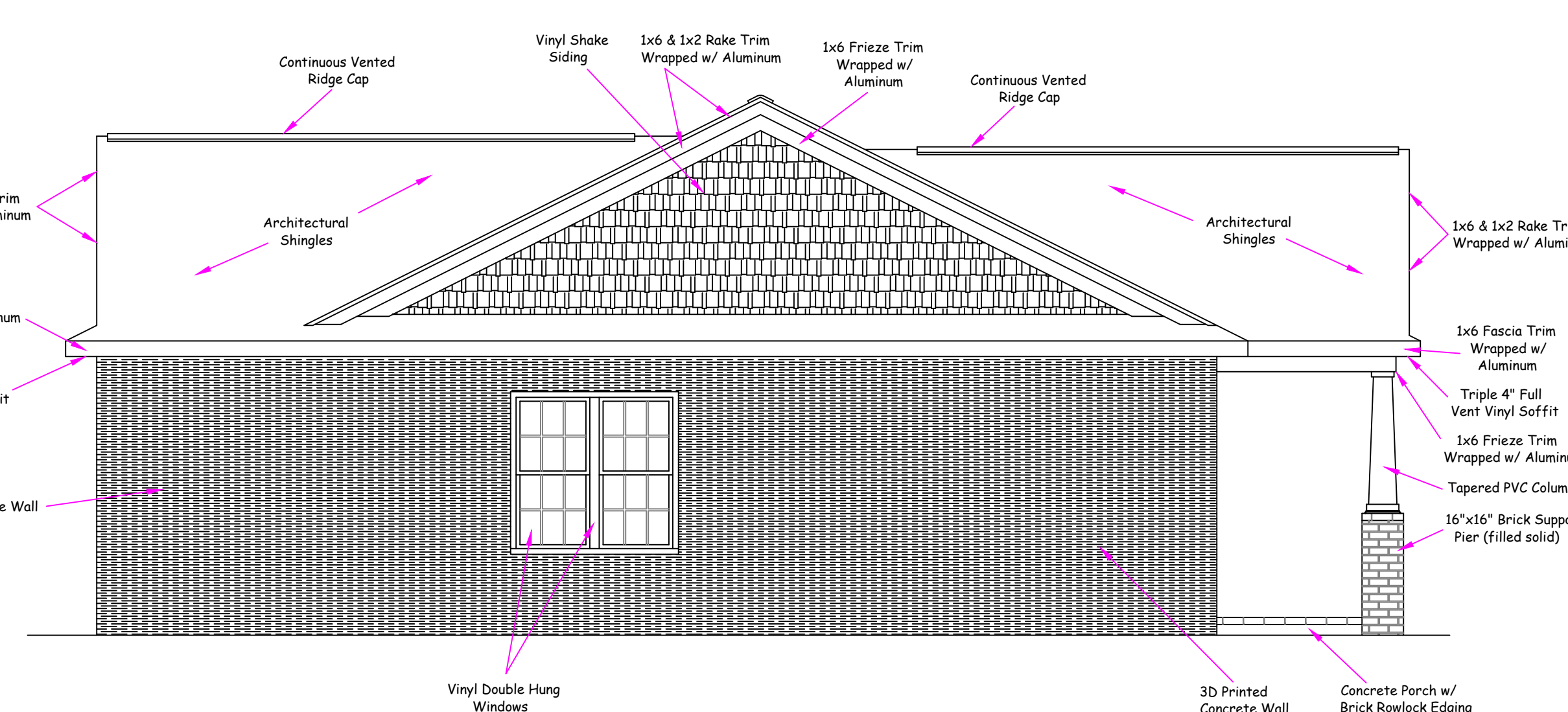
Right Elevation

Scale: 1/4"=1'-0"



Rear Elevation

Scale: 1/4"=1'-0"



Left Elevation

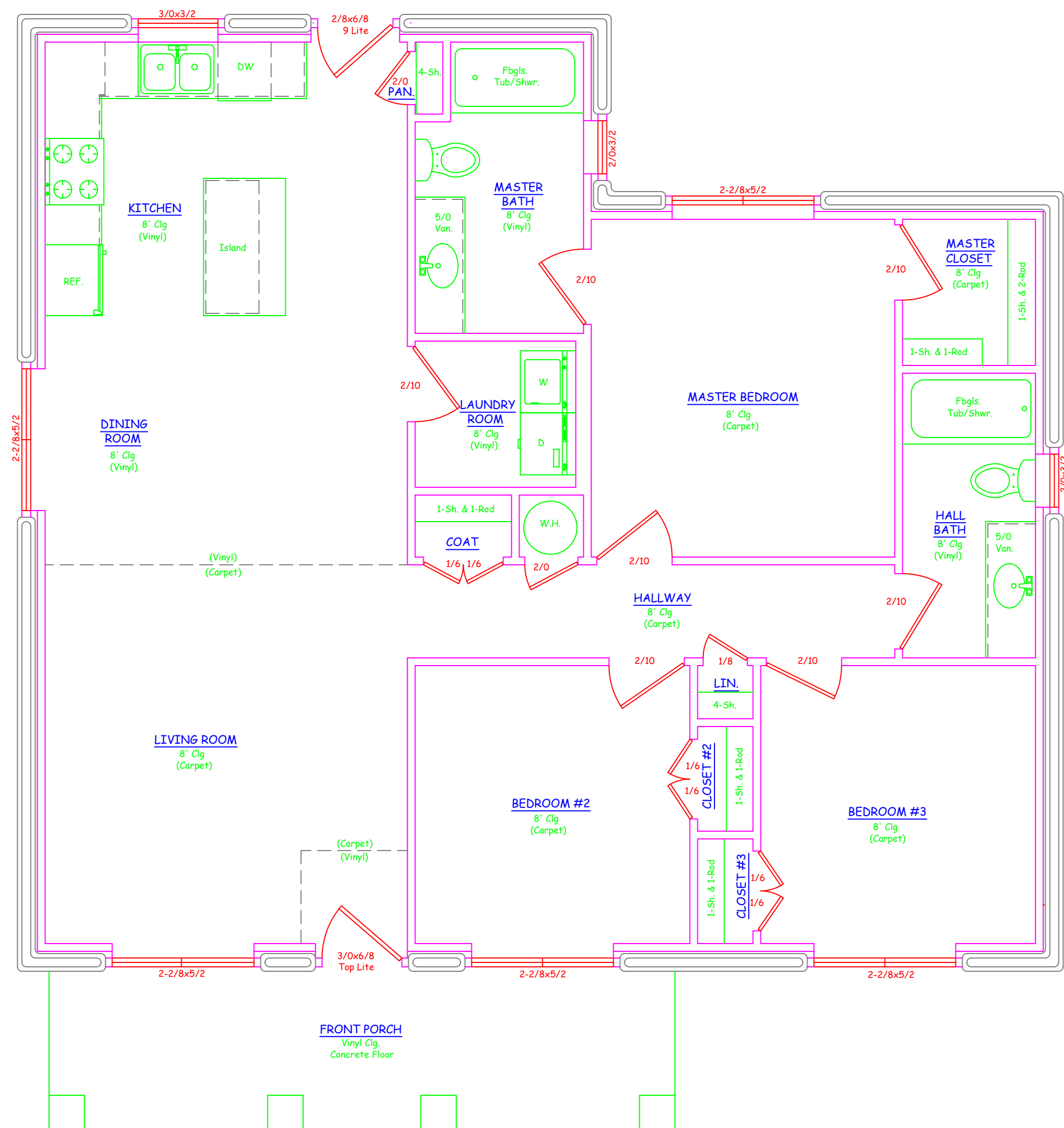
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Construction By:
Habitat for Humanity PGW
 11011 Warwick Blvd.
 Newport News VA. 23601
 craig@habitatpgw.org

PENINSULA 3D MODEL
123 Forest Heights Rd.
Williamsburg, VA 23188

DATE:
5-15-2021

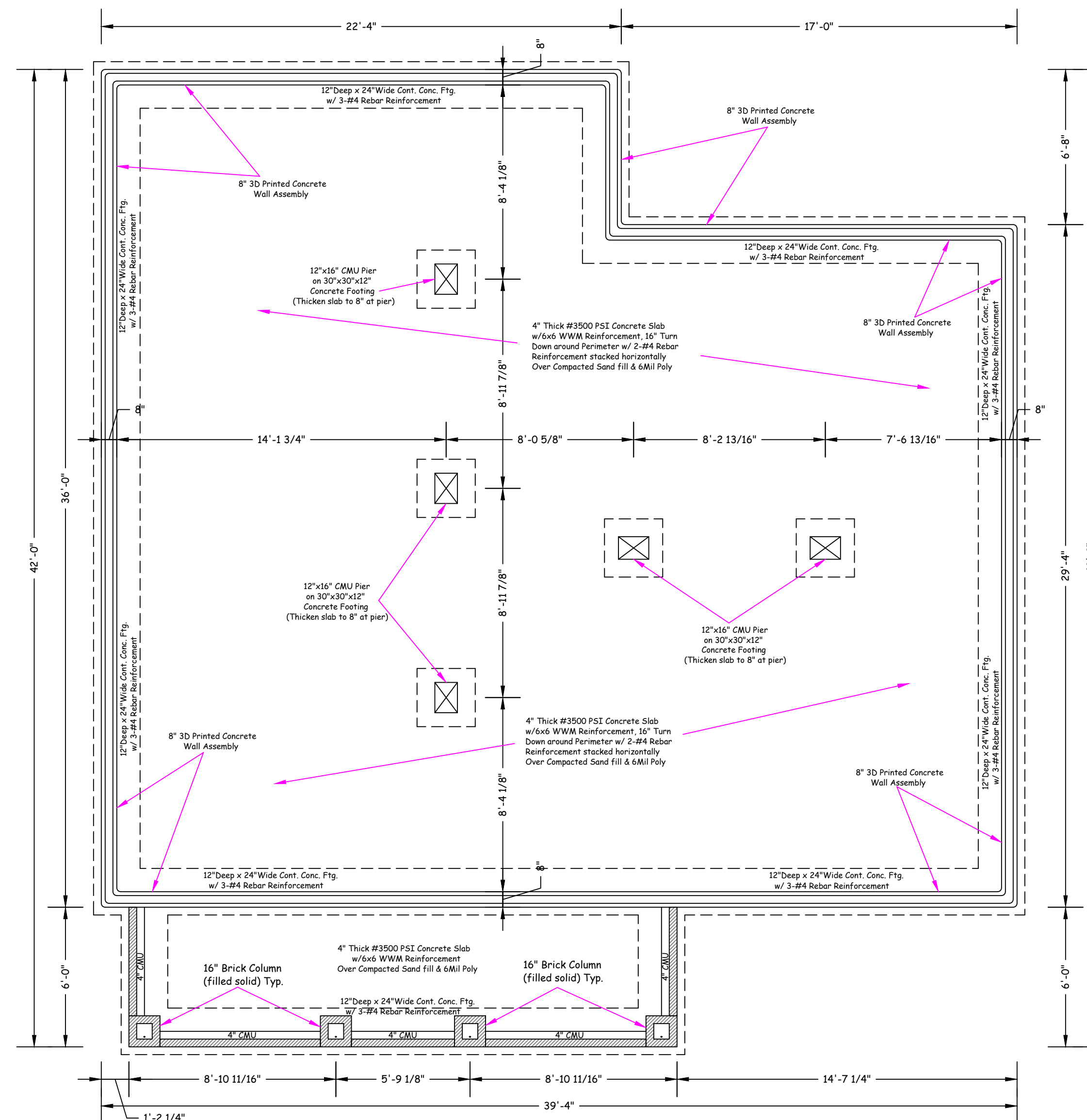
SHEET:
A-1



First Floor Plan w/Fixtures

Scale: 1/4"=1'-0"

Total Finished Area:
 First Floor 1192
 F.Porch 142



Foundation Plan

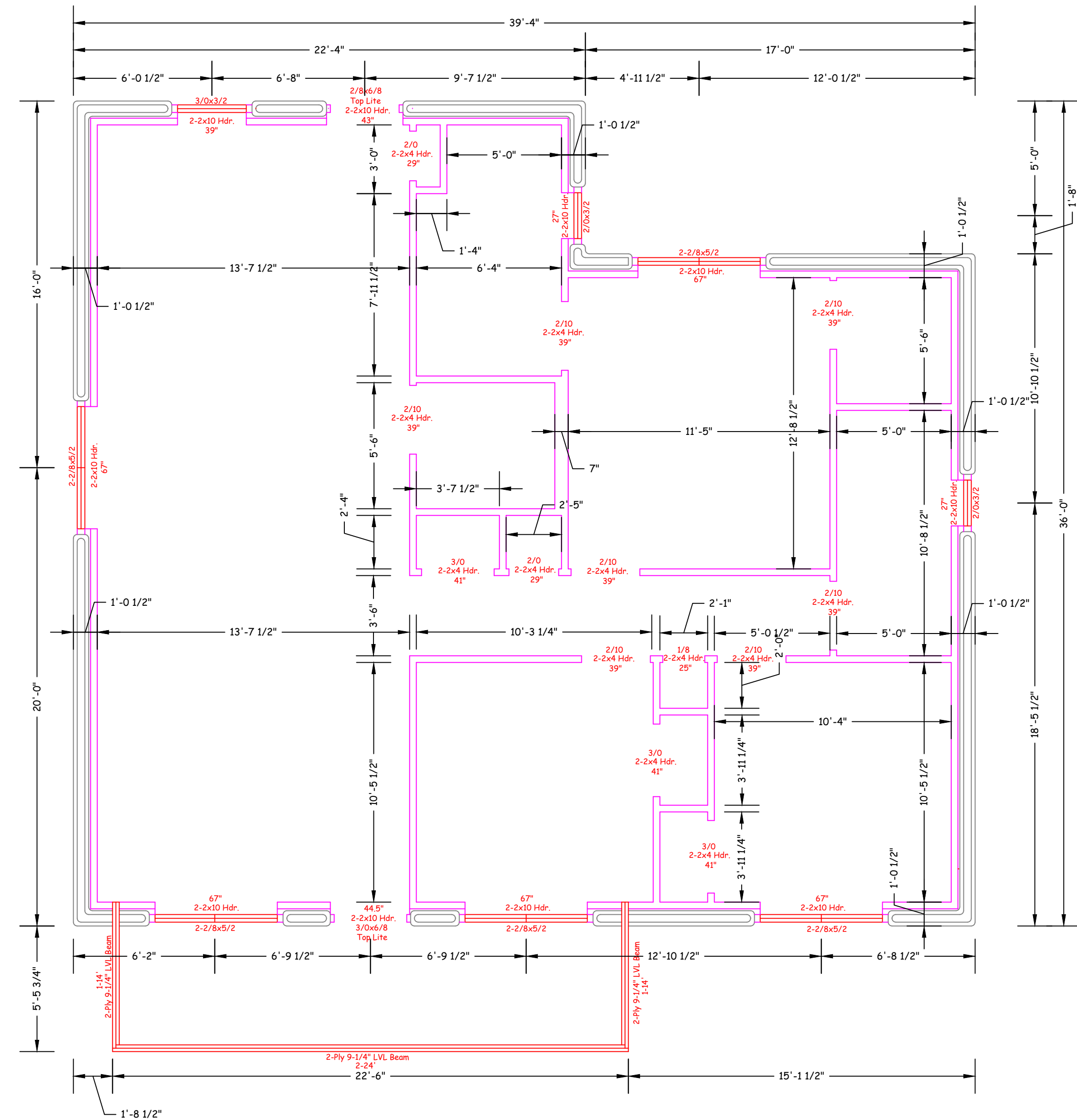
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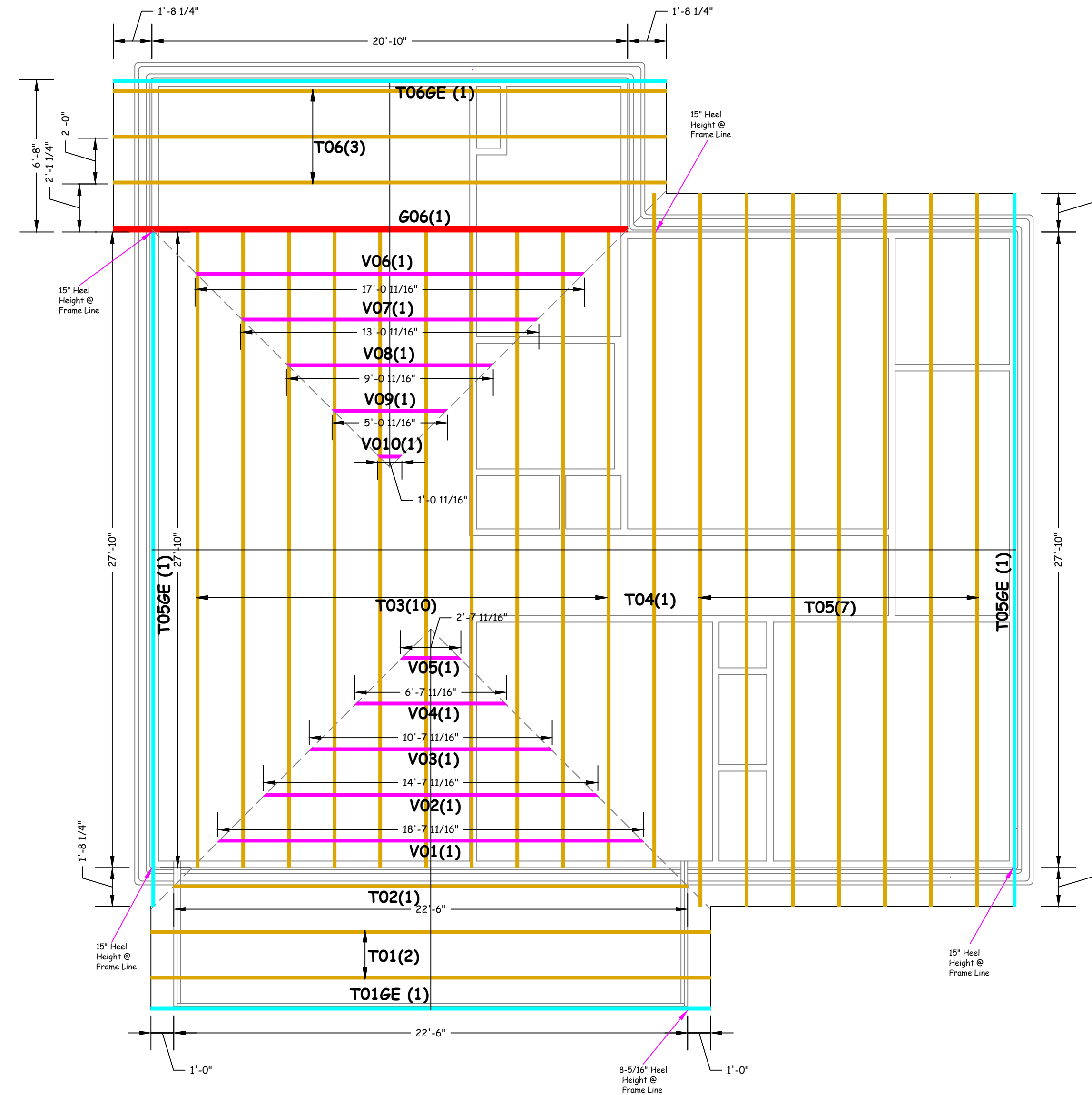
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SHEET:
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First Floor Framing Plan

Scale: 1/4"=1'-0"



Roof Truss Framing Plan

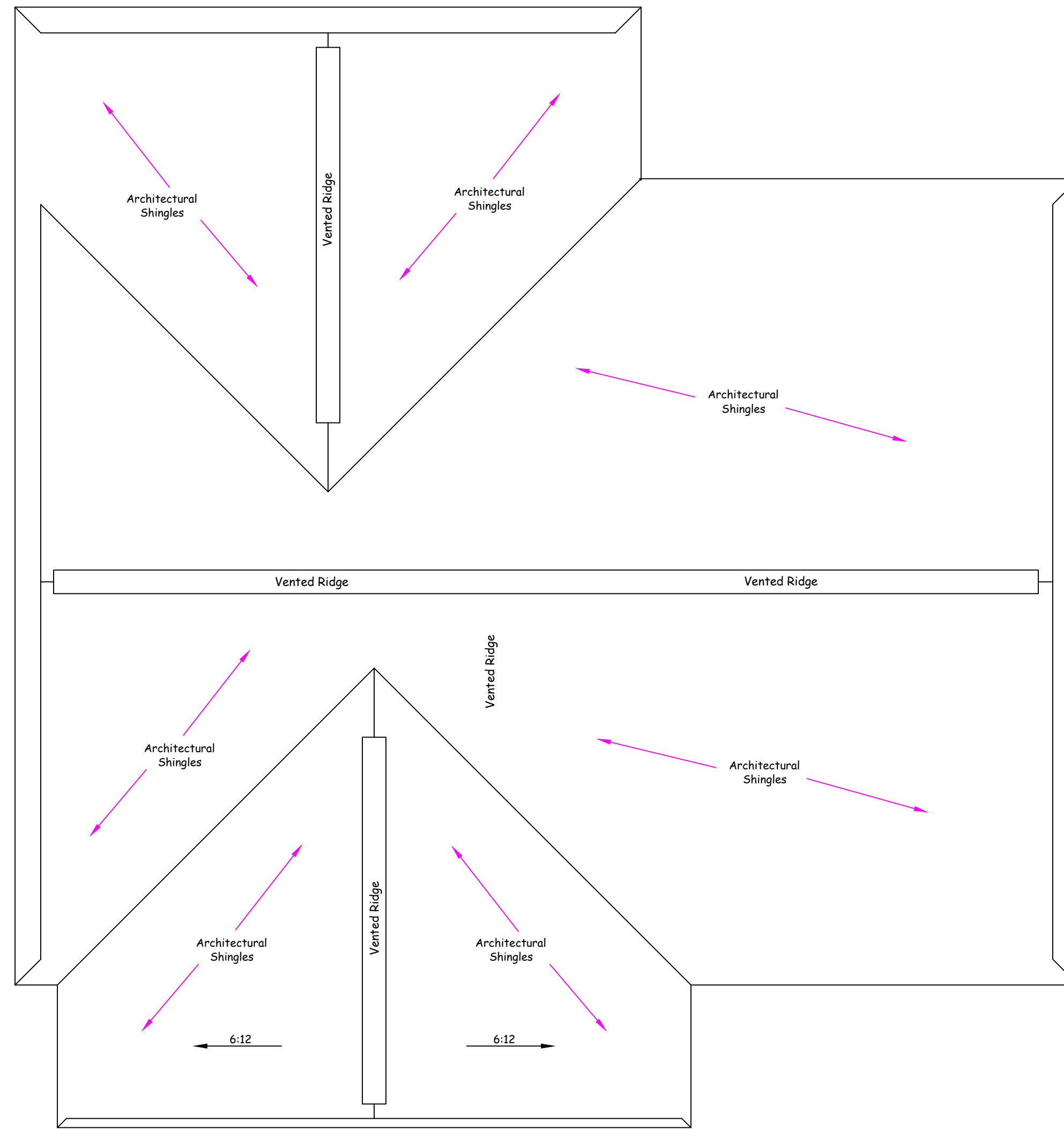
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SHEET:
A-3



Roof Elevation
 Scale: 1/4"=1'-0"

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