

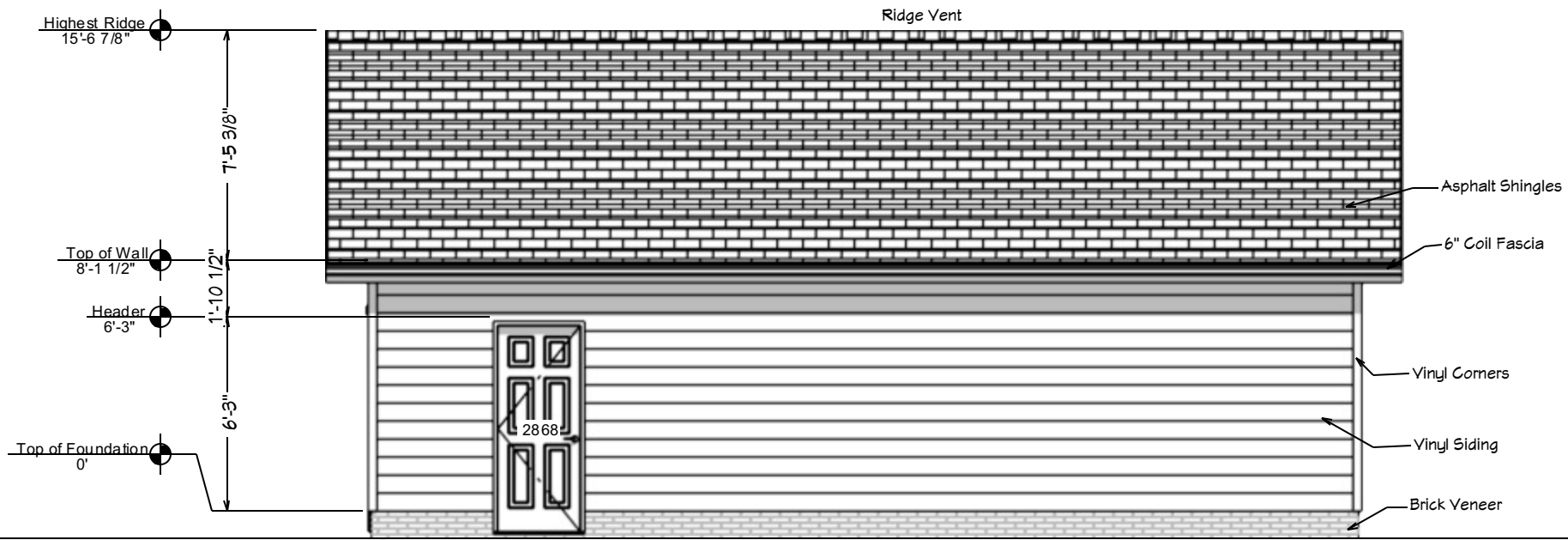
EXTERIOR ELEVATION FRONT
 SCALE: 3/16 IN = 1 FT

Gentry Daggendorf job
 104 Lonnie Betts dr.
 Holly springs, NC

Home Work Services
 3312 Black Stallion Court
 Zebulon, NC
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REVISION TABLE	
NUMBER	DATE / REVISION BY / DESCRIPTION



EXTERIOR ELEVATION RIGHT
SCALE: 3/16 IN = 1 FT

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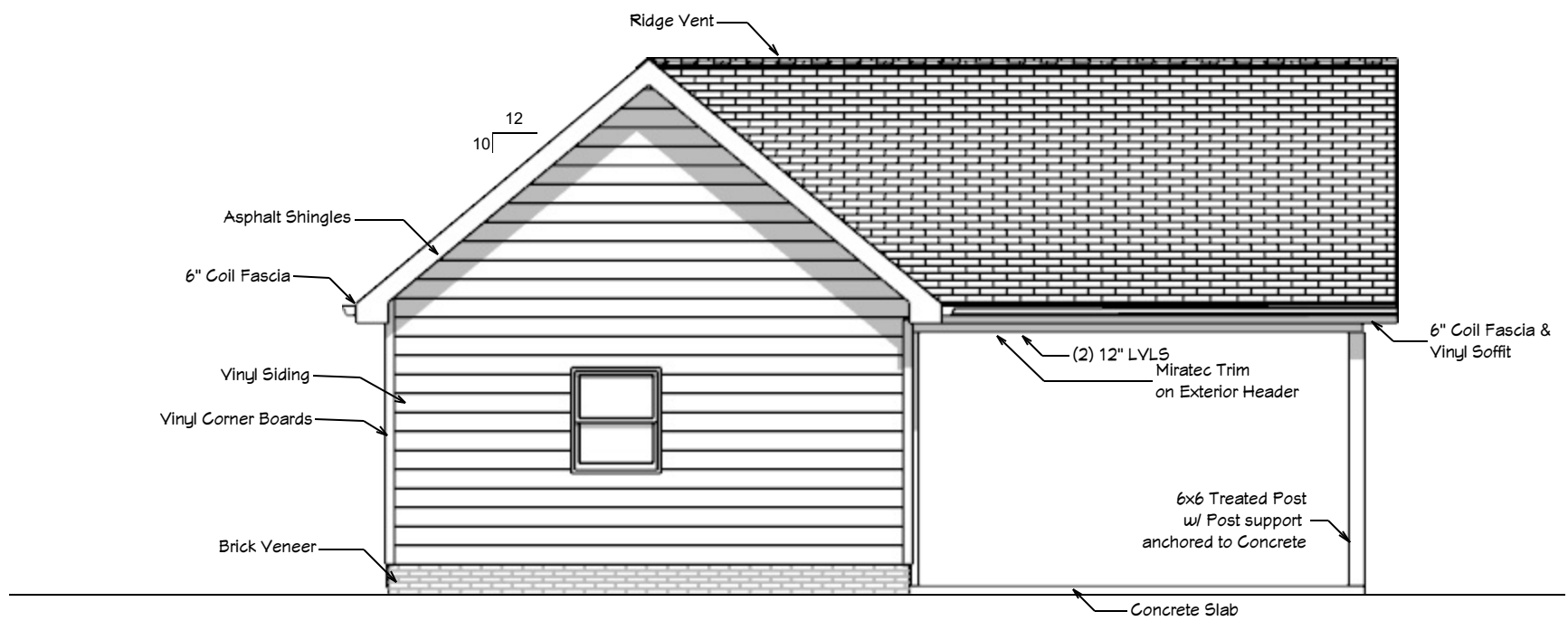
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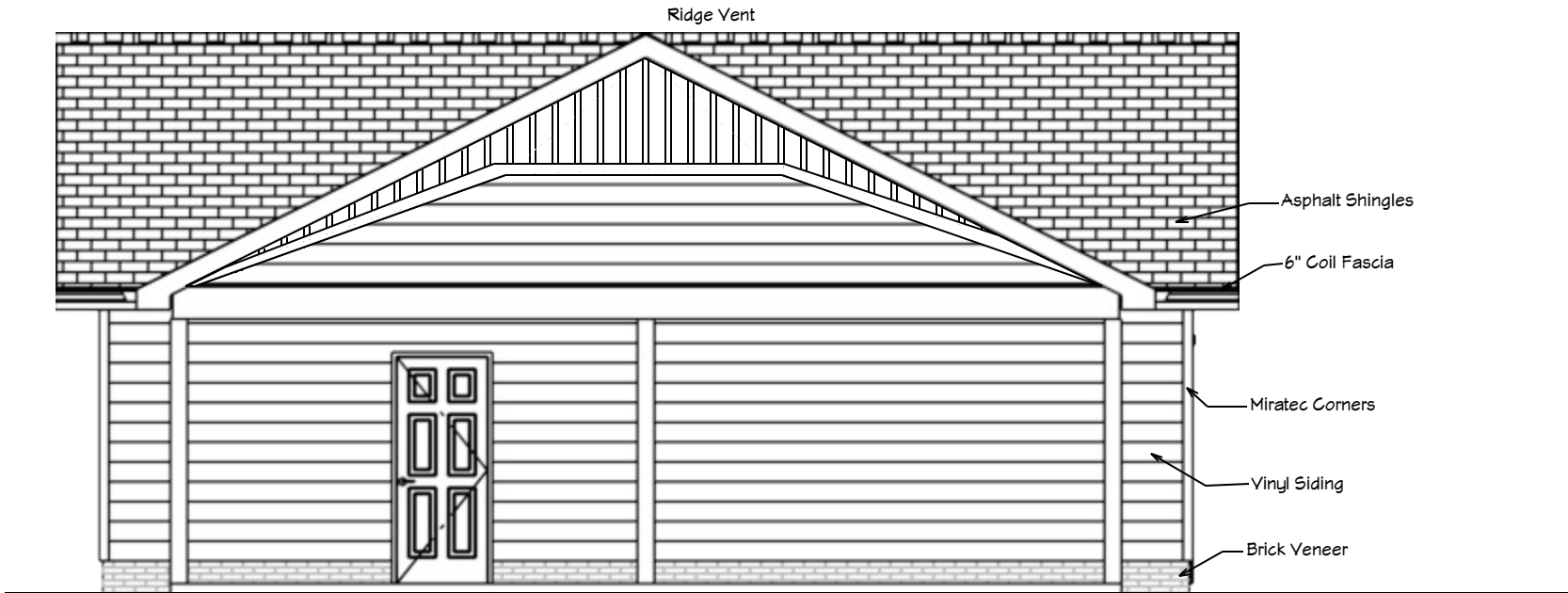
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EXTERIOR ELEVATION BACK
SCALE: 3/16 IN = 1 FT

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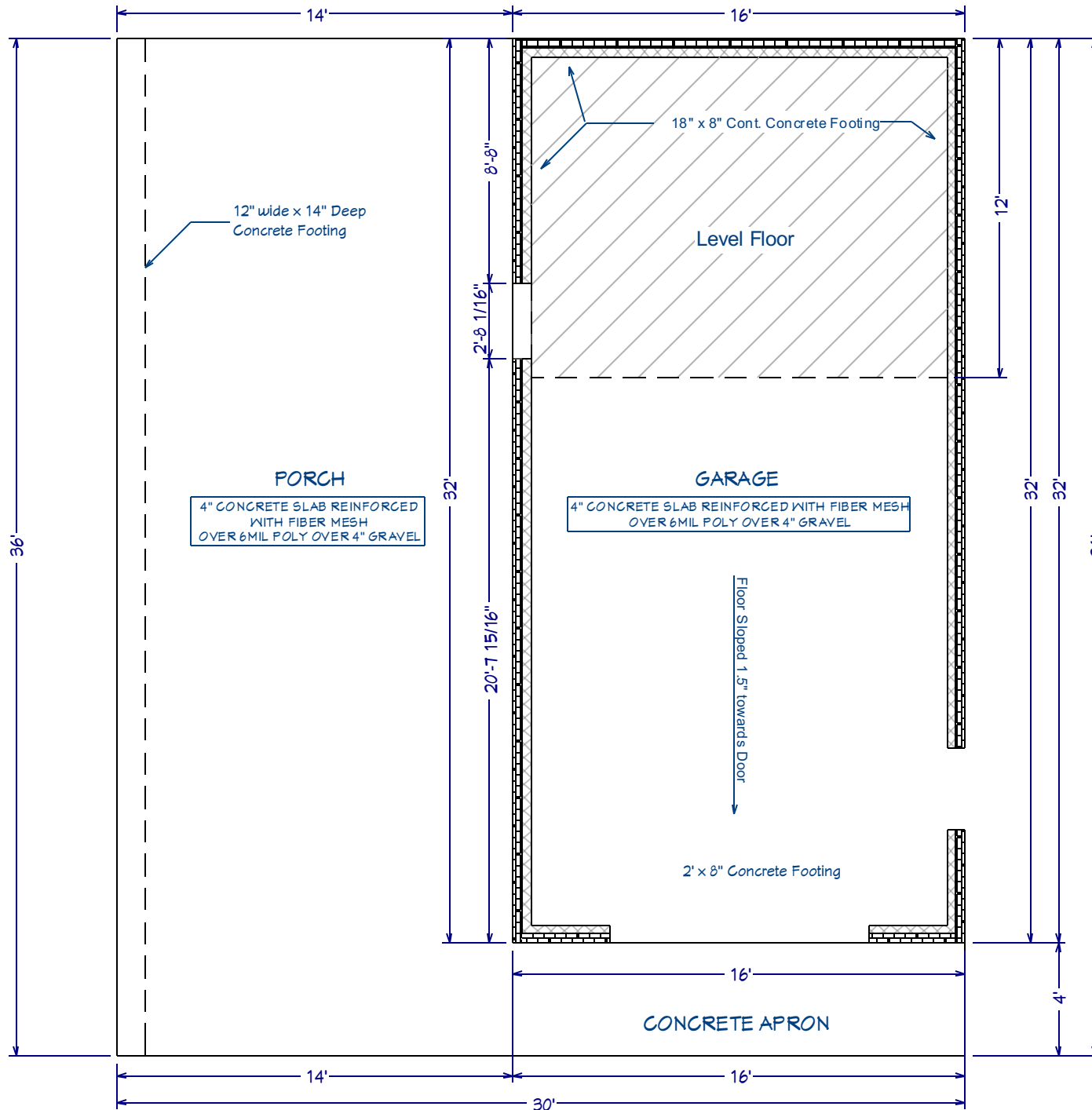


EXTERIOR ELEVATION LEFT
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PORCH
 4" CONCRETE SLAB REINFORCED WITH FIBER MESH OVER 6 MIL POLY OVER 4" GRAVEL

GARAGE
 4" CONCRETE SLAB REINFORCED WITH FIBER MESH OVER 6 MIL POLY OVER 4" GRAVEL

CONCRETE APRON

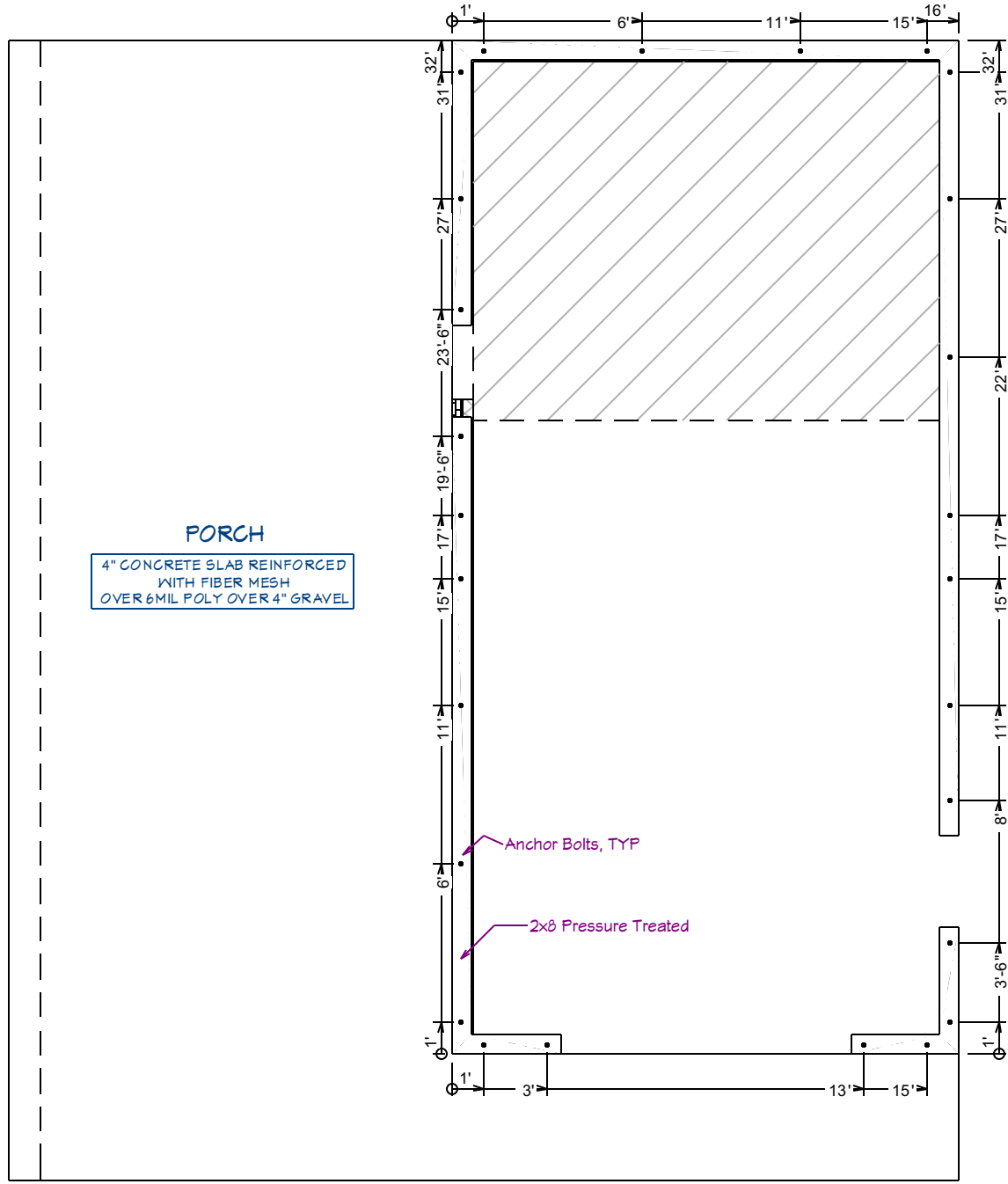
FOUNDATION PLAN
 SCALE: 3/16 IN = 1 FT

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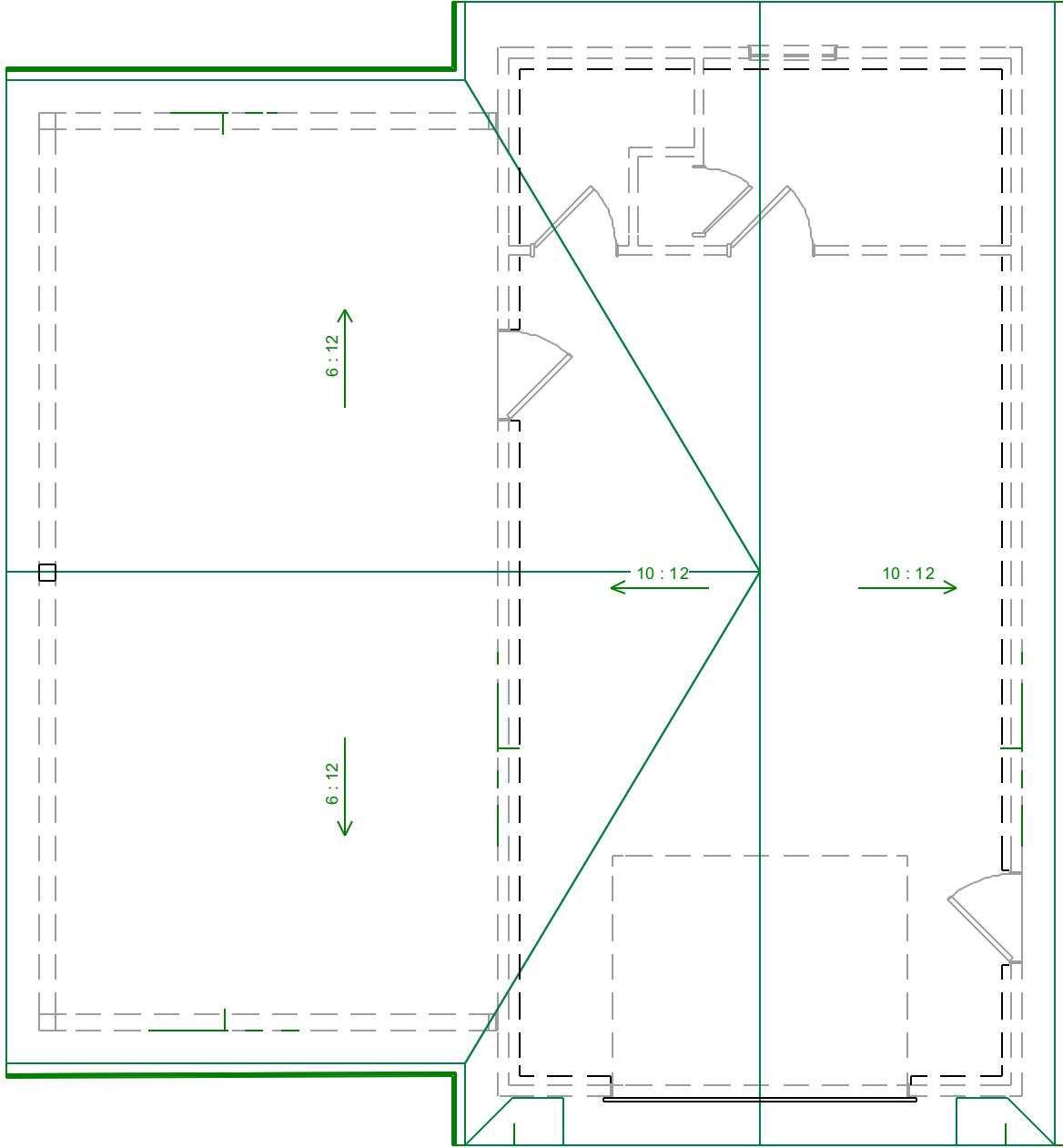
ANCHOR BOLT PLACEMENT PLAN
 SCALE: 3/16 IN = 1 FT

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ROOF PLAN
 SCALE: 3/16 IN = 1 FT



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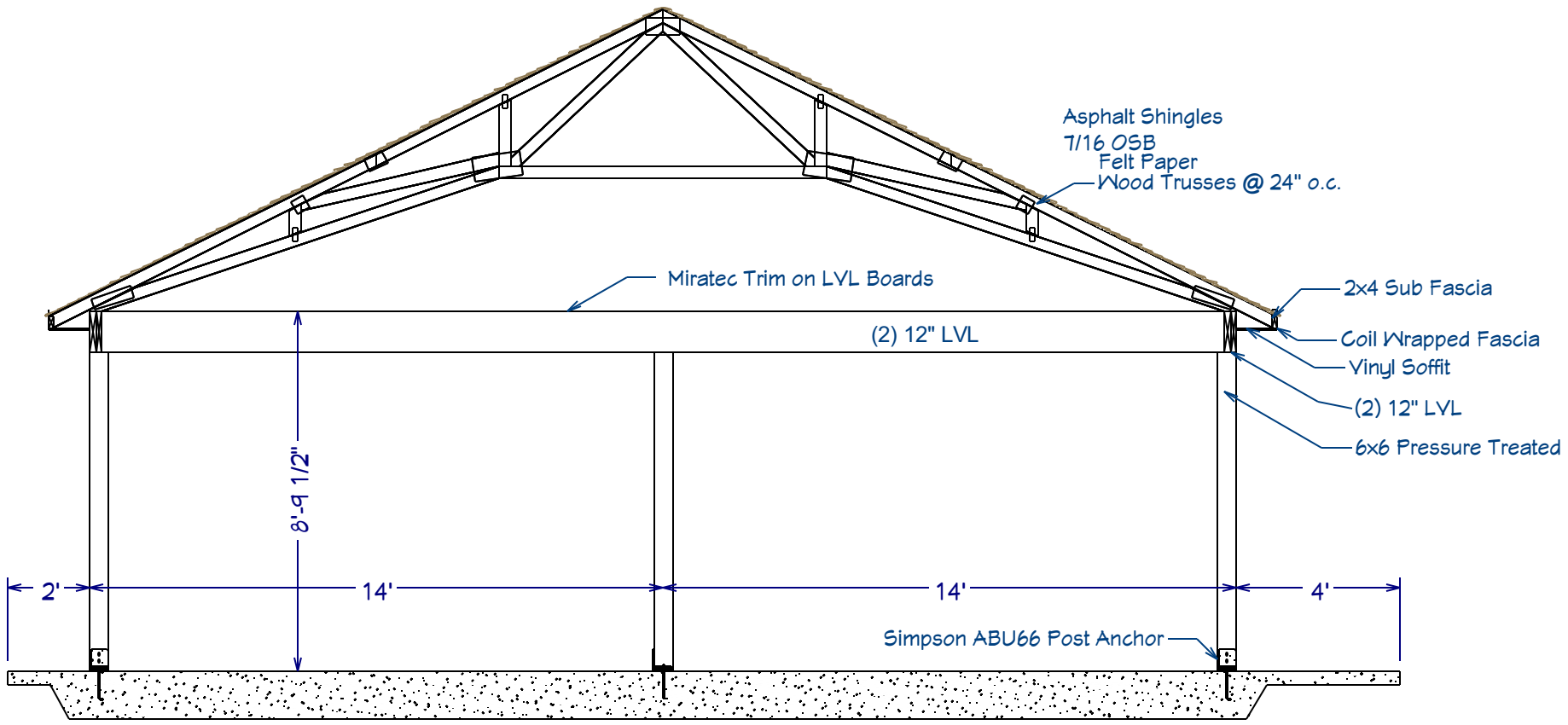
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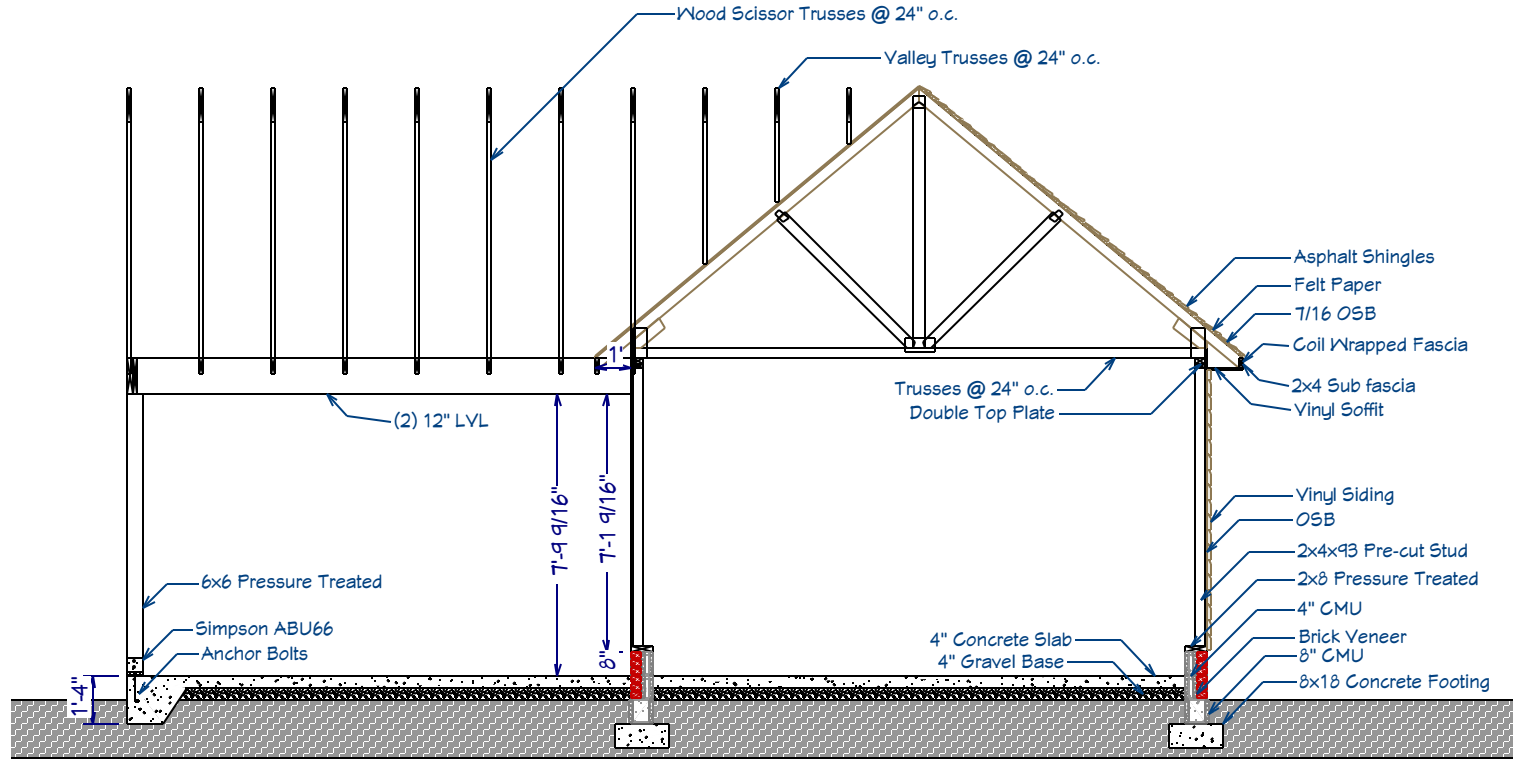
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PORCH SECTION
 SCALE: 1/4 in = 1 ft



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GENERAL STRUCTURAL NOTES:

1. CONSTRUCTION SHALL CONFORM TO THE 2018 NC Residential Code.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. CONTRACTOR SHALL COMPLY WITH THE CONTENTS OF THE DRAWINGS FOR THIS SPECIFIC PROJECT. ENGINEER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THIS PLAN.
3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING REQUIRED TO RESIST ALL FORCES ENCOUNTERED DURING ERECTION.
4. THE FOLLOWING DESIGN LOADS ARE USED:

DESIGN LOADS	Live Load (PSF)	Dead Load (PSF)	Deflection (LL)
Usage			
Attics Without Storage	10	---	L/240
Attics With Limited Storage	20	10	L/360
Attics With Fixed Stairs	40	10	L/360
Balconies & Decks	40	10	L/360
Fire Escapes	40	10	L/360
Guardrails and Handrails	200	---	---
Guardrail In-fill components	50	---	---
Passenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	L/360
Sleeping rooms	30	10	L/360
Stairs	40	---	---
Snow	20	---	---

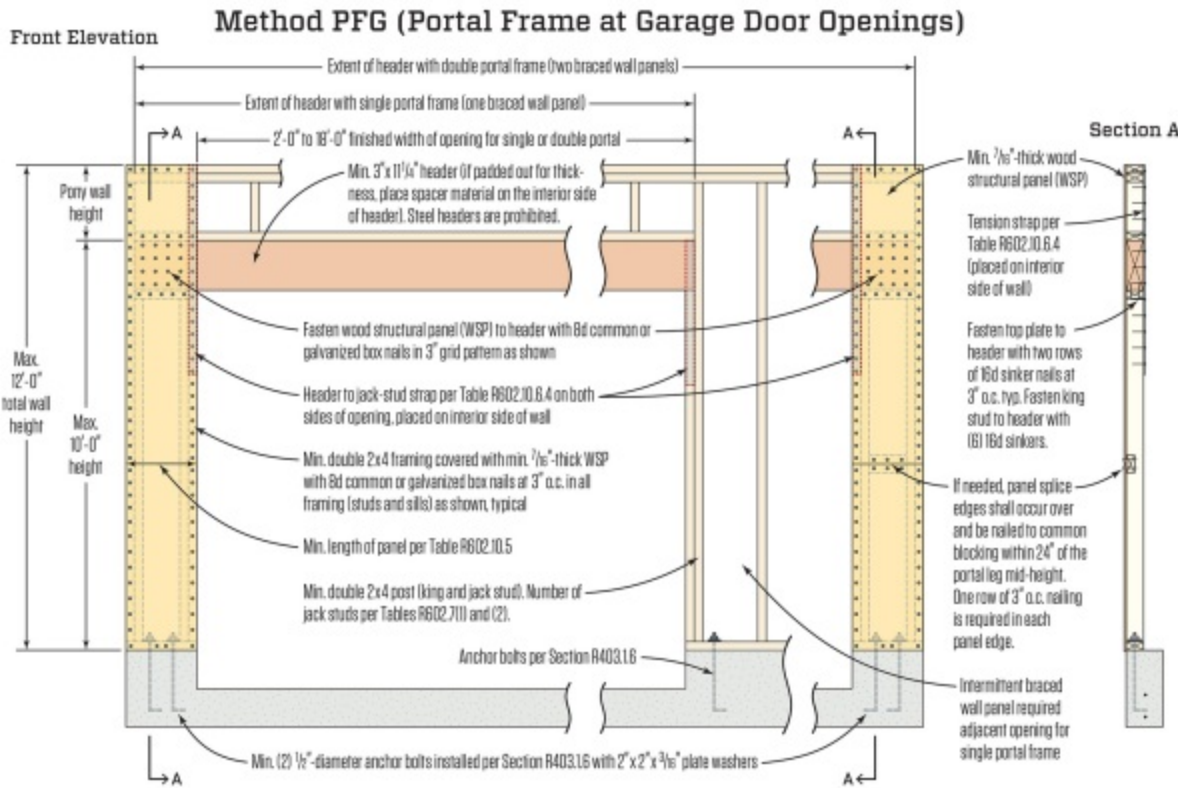
5. PROPERTIES USED IN THE DESIGN ARE AS FOLLOWS:
MICROLLAM (LVL): F = 2600 PSI, E = 285 PSI, E = 190,000,000 PSI
PARALLAM (PSL): F = 2900 PSI, E = 290 PSI, E = 125,000,000 PSI
6. ALL WOOD MEMBERS SHALL BE #2 SPF UNLESS NOTED ON PLANS. ALL STUD COLUMNS AND JOISTS SHALL BE #2 SPF UNLESS NOTED OTHERWISE.
7. ALL BEAMS SHALL BE SUPPORTED WITH A (2) 2X4 #2 SPF STUD COLUMN AT EACH END UNLESS NOTED OTHERWISE.
8. ALL PARALLEL NON-LOAD BEARING WALLS SHALL BE SUPPORTED WITH A DOUBLE JOIST UNLESS NOTED OTHERWISE.
9. COMPRESSIVE STRENGTH OF CONCRETE SHALL BE A MINIMUM OF 3000 PSI AT 28-DAYS.
10. SOIL BEARING CAPACITY TO BE A MINIMUM OF 2000 PSF
11. ALL REINFORCING STEEL SHALL BE GRADE 60 BARS CONFORMING TO ASTM A615 AND SHALL HAVE A MINIMUM COVER OF 3".
12. FOOTINGS AND PIERS SHALL BE CENTERED AROUND THEIR RESPECTIVE ELEMENTS. PROVIDE A MINIMUM OF 2" FOOTING PROJECTION FROM FACE OF MASONRY.
13. MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN THE 2018 NC Residential Code TABLE R404.1.1(1).
14. FOUNDATION ANCHORAGE SHALL BE CONSTRUCTED PER 2018 NC Residential Code SECTION 403.1.6. 1/2" DIA. BOLTS SPACED AT 6'-0" CENTERS WITH A 7" MINIMUM EMBEDMENT INTO MASONRY OR CONCRETE. ANCHOR BOLTS SHALL BE 12" FROM THE END OF EACH PLATE SECTION.
15. COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS: (IN PSF)

MEAN ROOF HT	UP TO 30'	30'1"-35'	35'1"-40'	40'1"-45'
ZONE 1	16.5, -18.0	17.3, -18.9	18.0, -19.6	18.5, -20.2
ZONE 2	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 3	16.5, -21.0	17.3, -22.1	18.0, -22.9	18.5, -23.5
ZONE 4	18.0, -19.5	18.9, -20.5	19.6, -21.3	20.2, -21.8
ZONE 5	18.0, -24.1	18.9, -25.3	19.6, -26.3	20.2, -27.0

BASIC DESIGN WIND VELOCITY = 110 MPH, EXPOSURE B

16. CONTRACTOR TO PROVIDE LOOKOUTS WHEN CEILING JOISTS SPAN PERPENDICULAR TO RAFTERS.
17. FLITCH BEAMS AND 3- OR 4-PLY LVLS SHALL BE BOLTED TOGETHER W/ 1/2" THRU BOLTS SPACED @ 24" O.C. (MAX) STAGGERED. MINIMUM EDGE DISTANCE SHALL BE 2" AND (2) BOLTS SHALL BE LOCATED MINIMUM 6" FROM EACH END OF BEAM.
18. ALL NON-LOAD BEARING INTERIOR DOOR HEADERS SHALL BE (2) FLAT 2X4 DROPPED, U.N.O.
19. ALL LOAD BEARING HEADERS SHALL BE (2) 2X8 SPF UNO.

- | | |
|--------------------|--------------------|
| TS - TIMBER STRAND | DJ - DOUBLE JOIST |
| SC - STUD COLUMN | DR - DOUBLE RAFTER |
| EE - EACH END | TR - TRIPLE RAFTER |
| TJ - TRIPLE JOIST | OC - ON CENTER |
| CL - CENTER LINE | PL - POINT LOAD |



SHEET #		11	
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