

Address of Project \_\_\_\_\_ Application # \_\_\_\_\_

Applicant's Name (printed) \_\_\_\_\_ Signature \_\_\_\_\_  
(see note below)

## RESIDENTIAL ACCESSORY STRUCTURES GENERAL NOTES

*Supplemental construction notes provided by Hamilton County based on the minimum requirements of the 2006 Residential Code of Ohio and the Hamilton County Building Code*

This document, when signed and initialed will become part of the application for permit. The requirements on this document will take precedence over any discrepancies within the documents. **All items shall be checked, and the signature of the Applicant above indicates agreement with all of the stated requirements.**

### Structural Requirements

- G Min. required design loads:
  - snow = 20 psf
  - floor live load = 40 psf
  - garage floor live load = 50 psf
  - wind load = 90 mph (3-second gust)
  - soil bearing capacity = 1,500 psf
- G Max. allowable live load deflection for structural members:
  - concrete floors = L/360
  - walls w/ masonry veneer = L/240
  - walls w/ wood (or vinyl) siding = L/120
  - roof trusses (or roof rafters) greater than 3/12 slope w/ ceiling = L/240
  - roof rafters greater than 3/12 slope w/o ceiling = L/180
  - all other structural members = L/240
- G Min. compressive strength of concrete:
  - footings = 2,500 psi
  - foundation walls = 3,000 psi
  - garage floors = 3,500 psi
  - exterior walks & landings = 3,500 psi

All concrete exposed to weather or subject to freezing or thawing during construction shall have air entrainment between 5%-7%.
- G All rafters, ridge boards, ridge beams, headers, & ceiling joists (or cross-ties) shall be minimum No. 2 grade Southern Yellow Pine. All exterior wall studs shall be minimum stud grade Spruce-Pine-Fir.
- G All lumber in direct contact with concrete, masonry, or in proximity to exposed ground shall be pressure-treated for exterior use. All lumber in direct contact with the ground supporting garage walls and/or roofs shall be pressure-treated for ground contact use.
- G All structural members shall be full length (no splices) or splices shall be approved & occur at adequate structural bearing.
- G All structural bolts shall be minimum 1/2" diameter, corrosion-resistant, and be compatible with the specific type of pressure-treated lumber being used.
- G All pre-engineered structural wood connectors shall be installed in strict accordance with the manufacturer's specifications & installation instructions (including proper fastener type & size).
- G Wood headers with clear spans over 6 ft. require a minimum (2) jack studs & (1) king stud each side.
- G Engineered roof truss drawings including a layout sheet stamped by a Registered Engineer in Ohio shall be furnished to the Building Inspector prior to the framing inspection.
- G All pre-engineered roof trusses shall be fastened as shown on the truss drawings to resist uplift forces, but for never less than 175 lbs resistance pressure.

### Egress Doors, Landings, and Miscellaneous

- G A minimum 2'-6" wide x 6'-8" side-hinged door shall be provided for the required exit door.
- G The required exit door shall be provided with a minimum 3'-0" deep x width of the door exterior landing. Illumination shall be provided for the exterior landing (solar-powered fixture is permitted for garages with no electric).
- G The height of the threshold at the required exit door over the top of the exterior landing shall not be greater than 16 1/2" (maximum 2 risers @ 8 1/4") without the addition of a landing.
- G Tempered glass shall be provided in all exterior doors containing glazing. All automatic garage door openers shall comply with U.L. Listing No. 325.
- G The concrete garage floor shall slope a minimum of 1/4" per foot towards the main overhead garage door(s).
- G Finish grade shall slope a minimum 6" in the first 10'-0" from the garage foundation wall. The finish grade shall have a maximum slope of 3:1 for the disturbed portion of the site.
- G The daylighting (out of ground) location of all piped downspouts shall be a minimum of 10'-0" from all adjacent property lines.

# INDEX SHEET

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2. Site Plan
3. Foundation & Anchor Bolt Plan
4. Left & Right Elevation Views
5. Front & Rear Elevation Views
6. Building Section View

## General Notes

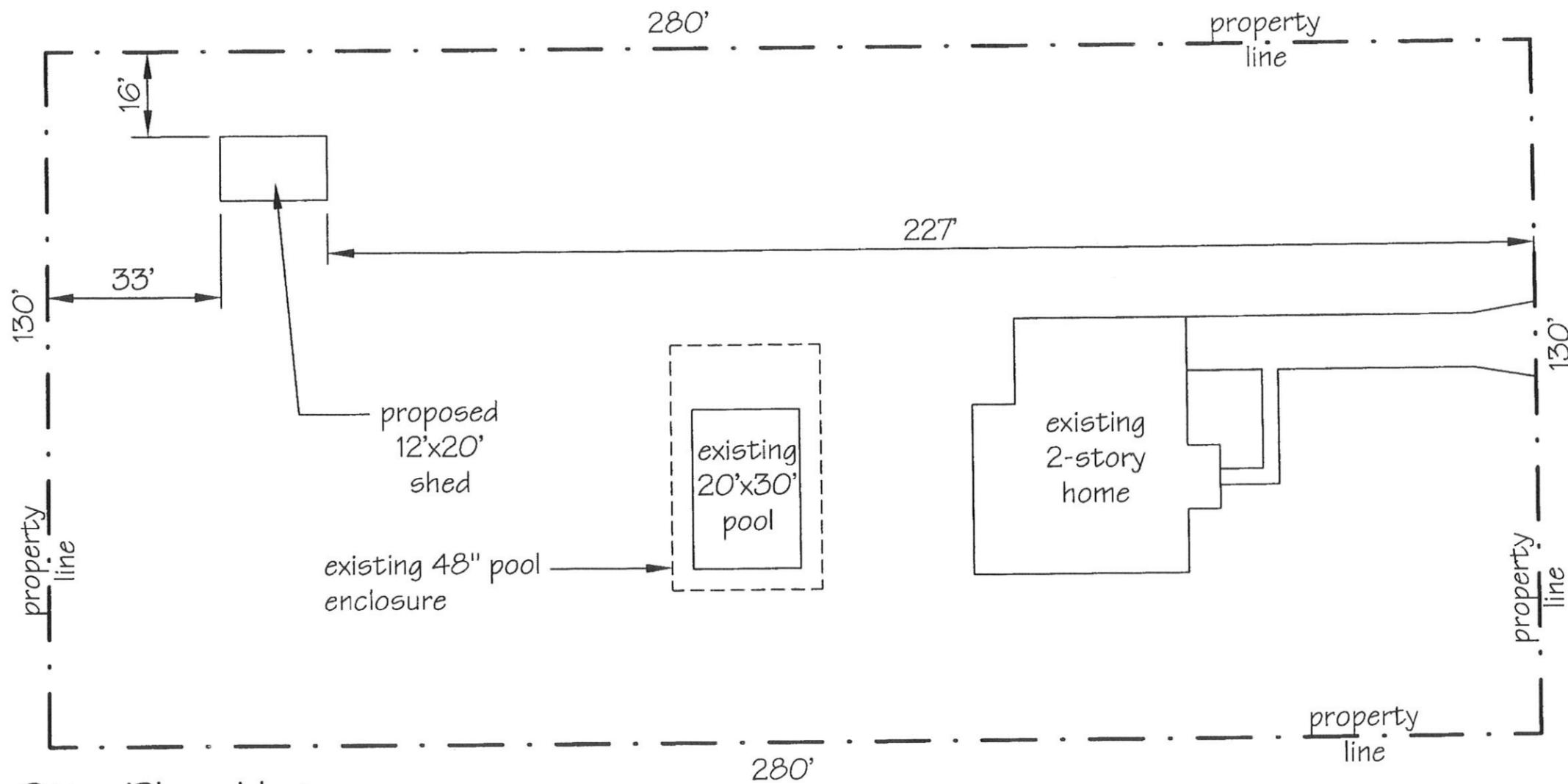
1. Bottom wall plate shall be of pressure treated lumber & all fasteners shall be compatible with the treatment.
2. All rafters, ceiling joists & ridge boards shall be No. 1 Grade, Southern Pine.
3. All wall studs shall be Stud Grade, Spruce-Pine-Fir (SPF).
4. All rafters & ceiling joists are full length (no splices).
5. Monolithic foundation/floor shall be 4500 psi poured-in-place concrete with 5% to 7% air entrainment.
6. Max. 8" step down from the shed floor to the exterior grade at the door (or a 3'x3' landing is required within 8").
7. Design Criteria:

-floor live load.....40 lbs./sf	-rafters.....L/240
-wind load.....16.4 lbs./sf	-ceiling joists.....L/240
-attic floor.....20 lbs./sf	-walls.....L/240
-assumed soil bearing pressure....2000 lbs./sf (max.)	

Property Owner: Name, Address & Phone Number  
Contractor: Name, Address & Phone Number  
Designer: Name, Address & Phone Number  
Project Location: Address

Date:

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### Site Plan Notes

1. Ground is level where the shed is to be built.
2. The shed floor shall not exceed 8" above the finished grade at the door.
3. Finished grade shall fall 6" within the first 10' from the shed.
4. The shed walls shall remain 6' from all other structures.

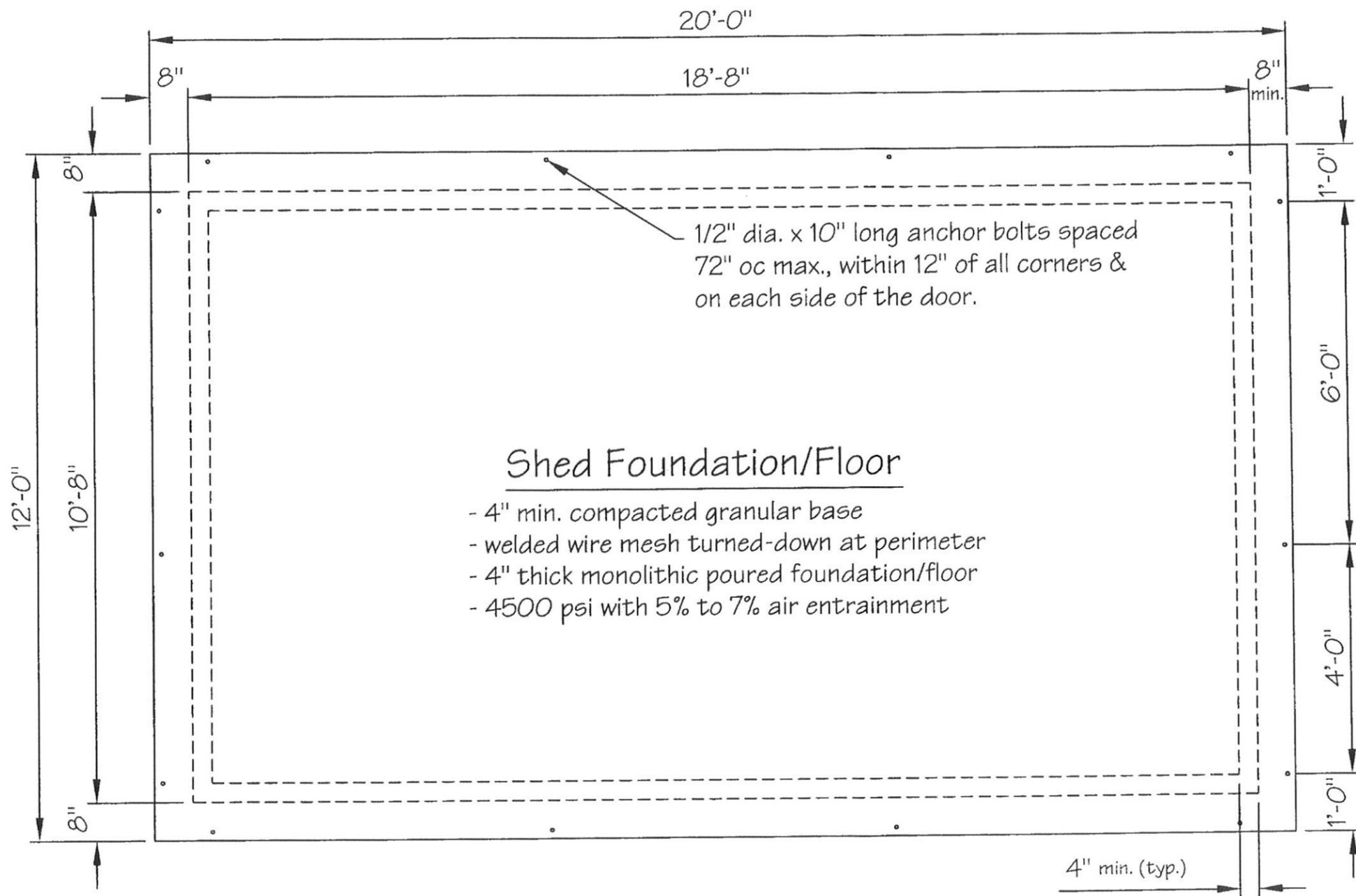
Site Plan  
Scale: 1" = 30'

Property Owner: Name, Address & Phone Number  
 Contractor: Name, Address & Phone Number  
 Designer: Name, Address & Phone Number  
 Project Location: Address

Date:

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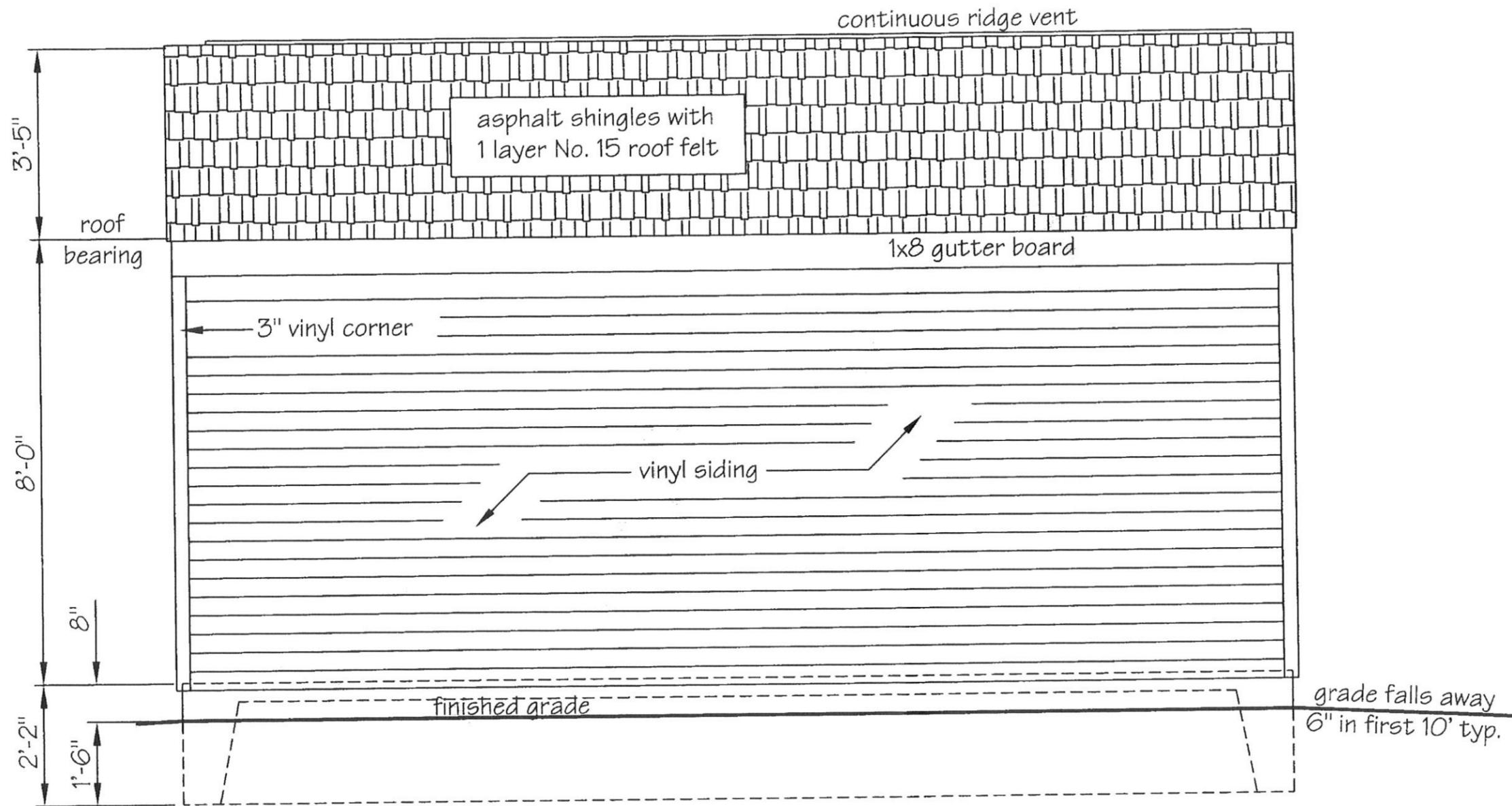
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**Foundation & Anchor Bolt Plan**  
Scale: 3/8" = 1'-0"

Property Owner: Name, Address & Phone Number  
 Contractor: Name, Address & Phone Number  
 Designer: Name, Address & Phone Number  
 Project Location: Address

Date:  
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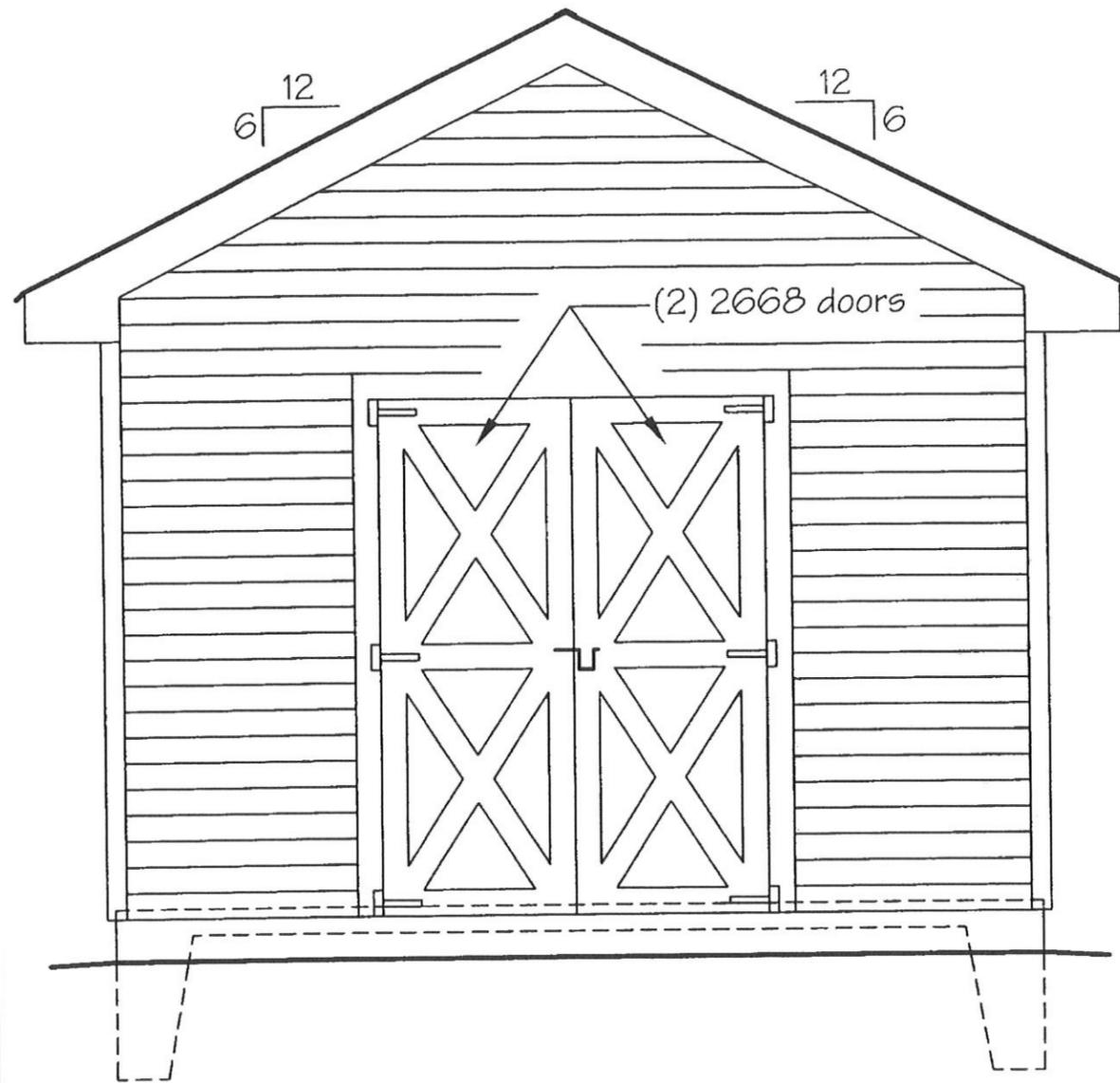
Left & Right Elevation Views  
Scale: 3/8" = 1'-0"

Property Owner: Name, Address & Phone Number  
 Contractor: Name, Address & Phone Number  
 Designer: Name, Address & Phone Number  
 Project Location: Address

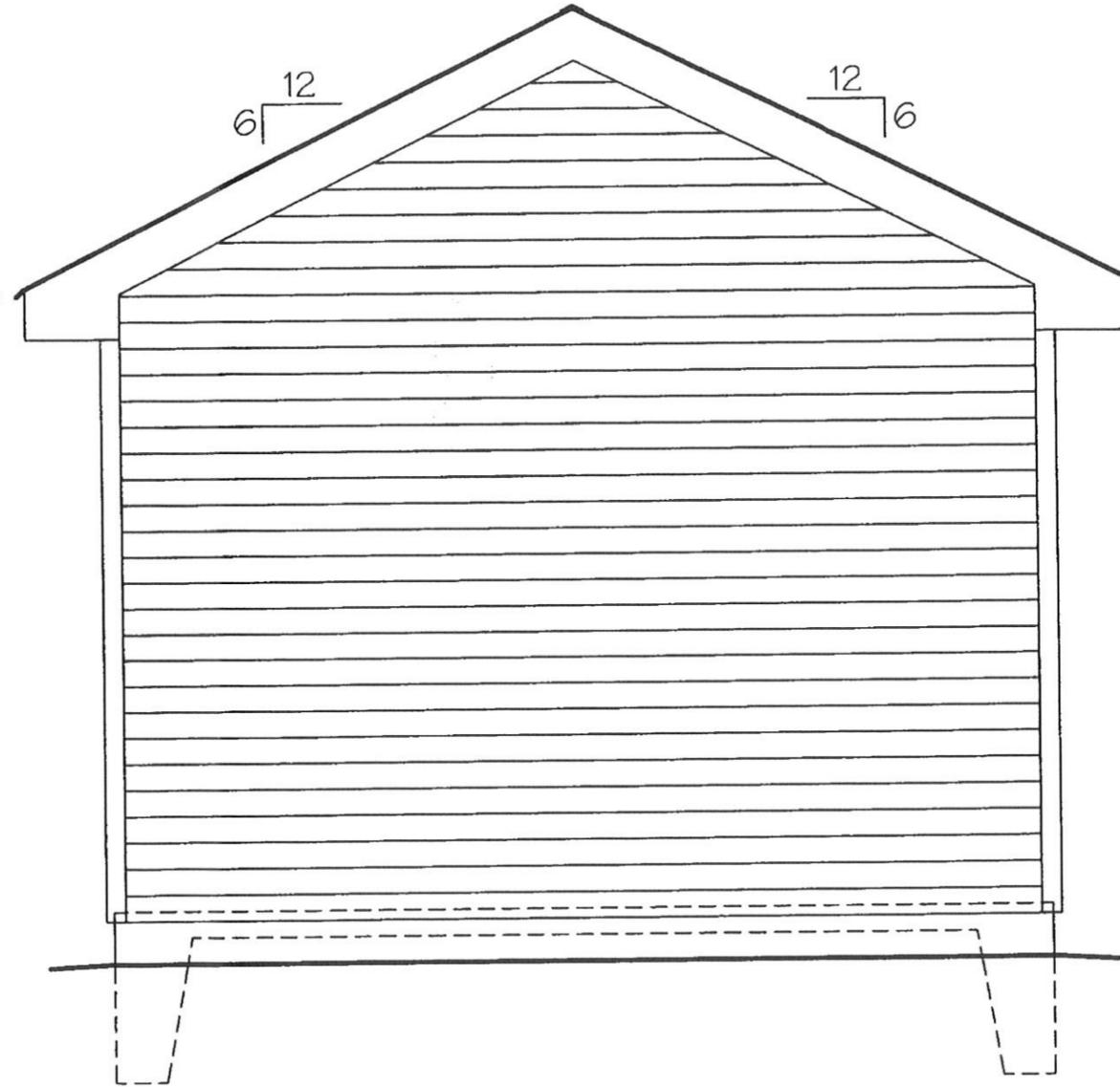
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Front Elevation View  
 Scale: 3/8" = 1'-0"



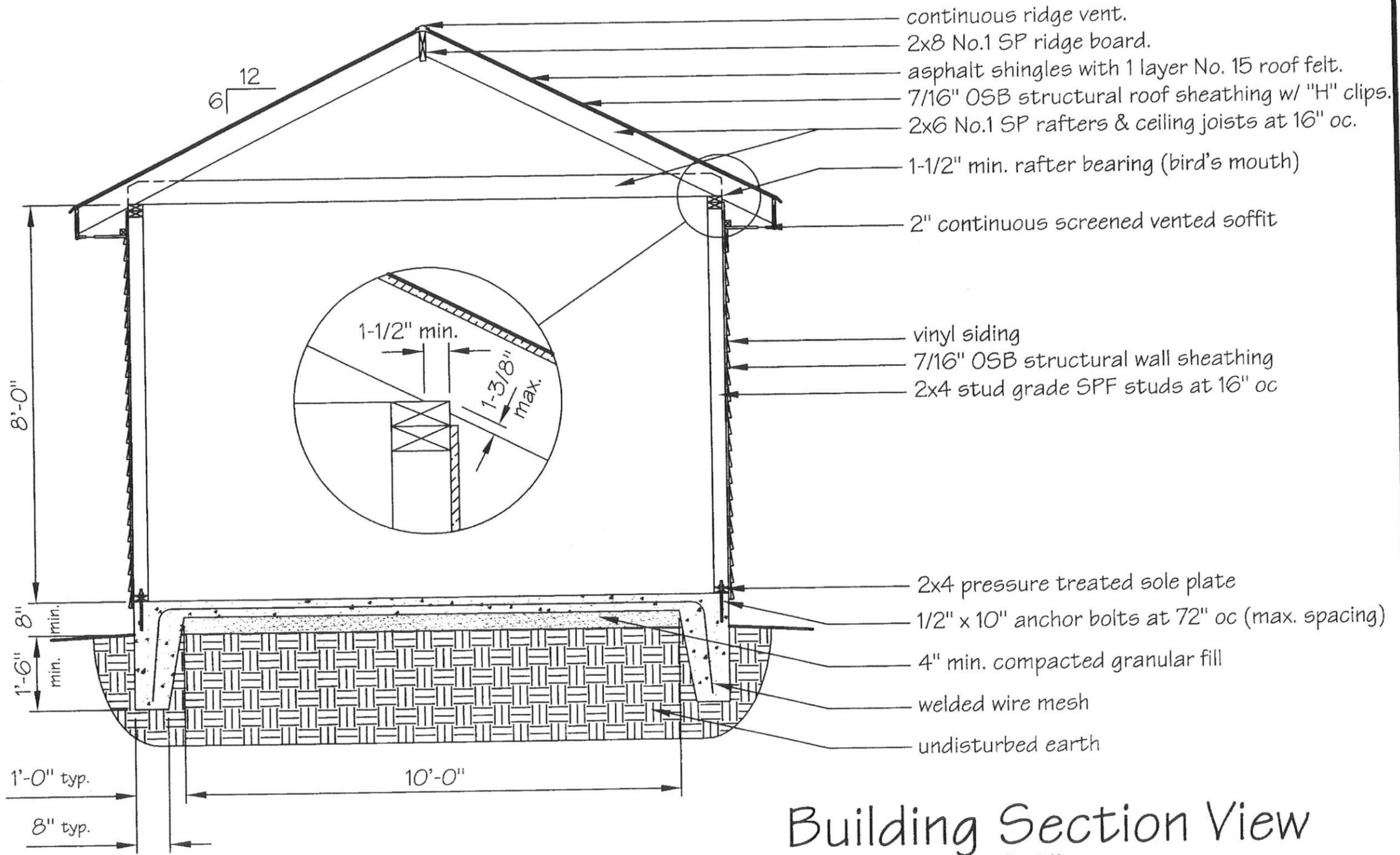
Rear Elevation View  
 Scale: 3/8" = 1'-0"

Property Owner: Name, Address & Phone Number  
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- continuous ridge vent.
- 2x8 No.1 SP ridge board.
- asphalt shingles with 1 layer No. 15 roof felt.
- 7/16" OSB structural roof sheathing w/ "H" clips.
- 2x6 No.1 SP rafters & ceiling joists at 16" oc.
- 1-1/2" min. rafter bearing (bird's mouth)
- 2" continuous screened vented soffit
- vinyl siding
- 7/16" OSB structural wall sheathing
- 2x4 stud grade SPF studs at 16" oc
- 2x4 pressure treated sole plate
- 1/2" x 10" anchor bolts at 72" oc (max. spacing)
- 4" min. compacted granular fill
- welded wire mesh
- undisturbed earth

**Building Section View**  
 Scale: 3/8" = 1'-0"

Property Owner: Name, Address & Phone Number  
 Contractor: Name, Address & Phone Number  
 Designer: Name, Address & Phone Number  
 Project Location: Address

Date:  
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