

# Single Family Residential Three-Season Porch

Permit No. \_\_\_\_\_

Furnished by the City of Barnesville

Roof Rafters—Trusses, TGIs, Conventional Framing Members (2x6; 2x8; 2x10; 2x12) or other. Circle one or more that apply (#1).

Type of roofing material/shingles (#2) \_\_\_\_\_.

Ice and water barrier required.

Wind wash barrier must go to the underside of the truss top cord.

Continuous vented soffit material.

Metal drip edge and fascia board.

Type of drainage plane (#4) \_\_\_\_\_.  
(ex. Building Paper, Tyvek, Typar, etc.)

Wall sheathing (#5) \_\_\_\_\_.

Flash all openings in the wall assembly (i.e. windows, doors).

Type of siding (#6) \_\_\_\_\_.

Suggestion—Angle clips connecting the joists to the sill (the joist nearest to the anchor bolt). Connect with 1½" x 1½" x 2½" long angle brackets, 18 gauge minimum fastened with (3) 1½" x 8d nails in each leg of the angle bracket.

Minimum ½ inch diameter anchor bolts with a 7 inch minimum concrete embedment. Not to exceed 6 feet on center. Not less than two bolts per sill member or exceeding 12 inches from corners or openings. Vertical reinforcement to coincide with anchor bolt locations, typical. See Building Code for vertical bar minimum spacing requirements.

Provide adequate frost protection, footings must be placed a minimum of 60" below finished grade.

Footing size (#8) \_\_\_\_\_.  
(Example 20" wide by 10" thick)

**Proposed Three-Season Porch Addition**  
(Non-Conditioned Space)  
**THIS EXAMPLE DOES NOT APPLY TO HEATED AND COOLED SPACE.**

Joist—Conventional Framed, TGIs, Truss Joist, or Other—Provide size and circle type of floor joist being used (#7) \_\_\_\_\_.

Sill plate.  
Grade Line  
Vented —18" min.

Provide a minimum 24" wide x 18" high clear crawl space access.

Cover crawl space with 6 mil poly minimum or place concrete over poly for tighter seal.

Drain tile

**NOTE:** Information supplied on the example side of this sheet is pertinent and applicable to the completion of the information on this side.

I agree to follow the building systems provided in this document.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Before submitting permit application, provide information as requested on numbered lines (1-8).**

# Single Family Residential Three-Season Porch—Example

*Furnished by the City of Barnesville*

Roof Rafters—Trusses, TGIs, Conventional Framing Members (2x6; 2x8; 2x10; 2x12) or other. Provide a minimum 35 psf snow load.

Ice and water barrier is required 24 inches beyond the exterior wall line.

Wind wash barrier must go to the underside of the truss top cord.

Continuous vented soffit material.

Metal drip edge and fascia board.

Drainage plain is required on all walls, and the gable ends. (ex. Building Paper, Tyvek, Typar, etc.)

7/16 inch wall sheathing minimum.

Flash all openings in the wall assembly (i.e. windows, doors).

Siding: Vinyl siding allows for a maximum stud spacing of 16 inches on center including the gable ends (Order the gable end rafters accordingly).

Suggestion—Angle clips connecting the joists to the sill (the joist nearest to the anchor bolt). Connect with 1½" x 1½" x 2½" long angle brackets, 18 gauge minimum fastened with (3) 1½" x 8d nails in each leg of the angle bracket.

Minimum ½ inch diameter anchor bolts with a 7 inch minimum concrete embedment. Not to exceed 6 feet on center. Not less than two bolts per sill member or exceeding 12 inches from corners or openings. Vertical reinforcement to coincide with anchor bolt locations, typical. See Building Code for vertical bar minimum spacing requirements.

Provide adequate frost protection, footings must be placed a minimum of 60" below finished grade.

Footings must be sized to carry all applied loads. Install two #4 rebar continuous around the perimeter with a minimum 20 inch lap and laps properly tied. (Bars must be bent through the corners.) Support the rebar 3 inches above ground and 3 inches in from the edges. The option of posts and post holes may be acceptable when spacing 24" diameter holes, 1'-0" thick 3,000 pound concrete, 6'-0" on center, using 5x6 or 6x6 posts with a 2,000 pound soil bearing capacity with joist no greater than 10'-0" long for a single-story porch. Please contact your local jurisdiction to verify that the zoning ordinance is not violated by the use of posts or non-contiguous foundations.

Asphalt shingles, metal, tile, rubber roofing, #15 felt or better, roof sheathing with spacer clips.

Headers must be sized to carry all loads.

**Proposed Three-Season Porch Addition**  
(Non-Conditioned Space)  
**THIS EXAMPLE DOES NOT APPLY TO HEATED AND COOLED SPACE.**

Joist—Conventional Framed, TGIs, Truss Joist, or Other.

Sill plate.

Grade Line

Vented—18" min.

Provide a minimum 24" wide x 18" high clear crawl space access.

Cover crawl space with 6 mil poly minimum or place concrete over poly for tighter seal.

Existing Structure

Drain tile

The City of Barnesville  
PO Box 550, 102 Front Street North  
Barnesville, MN 56514  
Phone: 218-354-2292

*Please provide information on the reverse side of this sheet as it applies to your project.*