

Grundy County Administration Building

Land Use Department
1320 Union Street
Morris, IL 60450
(815) 941-3228
Hours Monday-Friday; 8-4:30 PM



DECK PERMIT APPLICATION

OWNER NAME: _____ DATE: _____

CONSTRUCTION ADDRESS: _____

PIN#: _____

CITY: _____ ZIP CODE: _____

PHONE: _____ EMAIL: _____

GENERAL CONTRACTOR: _____ LIC #: _____

Cell: _____ EMAIL: _____

SIGNATURE OF OWNER: _____

SIGNATURE OF GENERAL CONTRACTOR: _____

ESTIMATED COST OF CONSTRUCTION: _____

PROVIDE THE FOLLOWING:

One set of full drawings showing all details of framing, fasteners, post hole size, depth, guardrail, and stair dimensions/details of the deck.

Plat of survey showing distance of proposed deck to all property lines.

INSPECTIONS: LOCATION, CONCRETE PREPOUR, ROUGH INSPECTION, AND FINAL.

BUILDING INSPECTOR WORKS: MONDAY, TUESDAY, THURSDAY AND FRIDAY MORNING

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OFFICE USE ONLY

ISSUED BY: _____ DATE: _____ EST/EXP. DATE: _____

FEE: _____ FLOODPLAIN: _____ FD: _____ EH: _____

CASH: _____ CHECK #: _____ RECEIPT #: _____ DATE RECEIVED: _____

Land Use Department

1320 Union Street
Morris, IL 60450
(815) 941-3229
(815) 941-3432 (fax)



The Grundy County Land Use Department enforces the 2018 International Code Council (I.C.C.) building series of codes.

Cold weather is defined as when conditions are such that the outdoor ambient temperature is less than 40 degrees F for four days.

The following requirements will be employed for cold weather concrete pours:

Subgrade:

- 1) Excavations shall not be left open for greater than twenty four hours (24) hours.
- 2) All excavations for concrete pours shall be protected from frost migration immediately after excavation with the use of thermal blankets.
- 3) Subgrade shall be free of any ground water, ice, or frost prior to pour.

Footings:

- 1) Footings are allowed to be poured with the temperature is 20 degrees F and rising with the following stipulations enforced
 - Concrete shall be maintained at a temperature of 50 degrees F for a period of three consecutive days after the placement of the concrete.
 - Protection in the form of thermal blankets shall be provided in place for the period of three days following the pour.

Foundations:

- 1) Foundation walls may be poured when the outside ambient air temperature is 40 degrees F or above. ACI 318-08 requirements will be applied if the outside ambient air temperature is below 40 deg F.
- 2) Concrete shall be maintained at a temperature of not less than 50 degrees F for a minimum of seven (7) consecutive days.
- 3) Insulated blankets need to be provided for the entire height and width of the poured walls and shall be left on for curing for a period of 3 days or greater.

Flatwork:

- 1) Minimum air temperature shall be 32 deg F and rising for the pour.
- 2) The excavated site, stone subgrade shall be free from frost or water, and shall be protected with thermal blankets prior to the pour.
- 3) Thermal blankets shall be used after the pour and maintained in place for a period of 5 days after pour.
- 4) Concrete contractor may use high strength concrete with a minimum of a 6-bag mix with the condition that the temperature of the concrete is maintained at 50 deg F for a period of three (3) days following the pour with the use of a thermal blanket.

Admixtures:

- 1) The use of Calcium Chloride is prohibited.
- 2) Any admixtures that are used for water reduction and setting time modification shall conform to the requirements of standard ASTM C494.
- 3) Any admixtures for use in producing flowing concrete shall conform to ASTM C1017.
- 4) Air-entraining admixtures shall conform to ASTM C260.

By signing as the General Contractor/Owner, I understand that the cold weather requirements will be followed:

General Contractor/Owner

Date

SEPTIC SETBACK REQUIREMENTS:

In order to receive a building permit for the following structures, the following setbacks shown in the table below shall be complied with according the Grundy County Environmental Health Department:

- A) Additions onto a single family home that is not a bedroom space.
- B) Decks
- C) Accessory Buildings

Proposed Construction	Setback to Septic Tank	Setback to Septic Field
A	10'-0"	10'-0"
B	10'-0"	10'-0"
C	10'-0"	10'-0"

In order to receive a building permit for any of the three structures listed above, the following shall be signed and dated:

I _____, as the owner or authorized agent for the owner have read and understand the above listed setbacks of the proposed construction to both the septic tank field and will adhere to those setbacks throughout the whole construction process.

I understand that failure to comply with these setbacks is a violation of the State the Grundy County Environmental Health regulations and may cause failure to the septic system that is located on this property. I also understand that the Grundy County Health Department may inspect our property to enforce these regulations.

Signature of owner or authorized agent

Date

Deck Railing Tie
Ties 2x4 or 2x6 hand railing to post.

Deck Post Tie
Ties 4x4 post to top of deck.

Deck Board Tie
Provides no-nail surface fastening system for deck.

Staircase Angle
Ties stair tread to stringer.

Framing Anchor
Ties rim joist at corners; ties stair stringer to rim joist.

Deck Post Tie
Ties 2x4 post to outside of rim joist.

Seismic & Hurricane Anchor
Ties joist to girder at mid-deck.

(Note: Illustrated deck shows all available deck products in use. Actual products selected will depend upon application or construction method used for a particular deck.)
SO THAT A 4" SPHERE CANNOT PASS THROUGH 4" MAX.

ALL DECKS

SHALL BE DESIGNED FOR A 60 LB./SQ. FT. LIVE LOAD.

ALL FRAMING SHALL BE 16" O.C. W/BRIDGING @ 8'-0" O.C.

ALL LUMBER SHALL BE PRESERVATIVELY PRESSURE TREATED OR DECAY RESISTANT HEARTWOOD OF REDWOOD, BLACK LOCUST OR CEDARS.

Elevated Post Base
Ties 4x4 post to concrete.

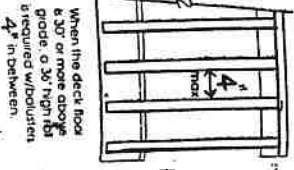
4'-0" BELOW GRADE (TYP)

Deck Joist Tie
Ties 2x joist to post.

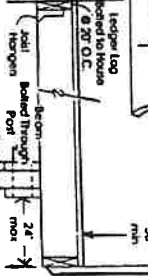
ABE44 Economy Adjustable Post Base
Ties 4x4 post to concrete.

LEDGER BOARD

Handrails



When the deck floor is 8'-0" or more above grade, a 3/4" high baluster is required w/out-stair 4" in between.



SUGGESTED PIER DETAIL

Standoff Post Base
Ties 4x4 post to concrete.

Standoff Column Base
Ties 4x4 Column to concrete.

Deck Post Tie
Ties 4x4 post to outside of rim joist.

Post Cap
Ties double 2x girder to 4x post.

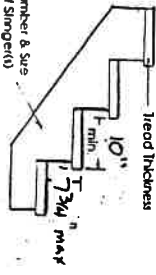
Light Double Shear Joist Hanger
Ties girder to girder.

Economy Joist Hanger
Ties 2x joist to girder.

Half Post Base
Ties 4x post to deck.

Post Cap
Ties 4x post to 4x beam (girder).

Seismic & Hurricane Anchor
Ties joist to girder at mid-deck; ties deck cover rail to beam.



STAIR DETAIL

Horizontal height shall be between 3 1/4" to 3 3/8" Riser heights shall not vary more than 3/8"