

LINCOLN COUNTY REQUIRED INSPECTIONS

It is the responsibility of the permit applicant to notify the building inspector when the work is ready for inspection. To request an inspection, call Eric Eneboe at (605) 321-4783 and leave a message if necessary. Allow 24 hours notice.

Foundation inspection. Inspection of the foundation shall be made after the trenches or basement areas are excavated and any required forms erected and any required reinforcing steel is in place and prior to the placing of concrete. The foundation inspection shall include excavations for thickened slabs intended for the support of bearing walls, partitions, structural supports, poles or piers, and special requirements for wood foundations.

Frame and masonry inspection. Inspection of framing and masonry construction shall be made after the roof, masonry, all framing, fire stopping, draft stopping and bracing are in place and after the rough plumbing, mechanical and electrical items are in place.

Final inspection. Final inspection shall be made after the permitted work is complete and prior to occupancy.

CERTIFICATE OF OCCUPANCY. No building or structure shall be used or occupied until the building official has issued a certificate of occupancy or final inspection tag.

Unlawful acts. It shall be unlawful for any person, firm or corporation to occupy any building or structure regulated by code until Certificate of Occupancy is issued.

The State of South Dakota also requires plumbing & electrical inspections. The following information is being provided to enable you “the holder of the building permit” to comply with the various required inspections.

PLUMBING:	BOB SMITH	605/773-3429 (SD Plumbing Commission)
ELECTRICAL:	GLEN JANSEN	605/957-5705
	WAYNE NELSON	605/280-2786
	JIM GUNDERSON	605-661-1691

Thank you for your participation and compliance with the inspection requirements. Questions pertaining to the above can receive a response by calling the undersigned at (605) 764-2938.

Paul H. Aslesen
Director, Planning and Zoning

Other Important Phone Numbers:

- South Dakota One Call: 1-800-781-7474
(Locates your underground lines.)
- Lincoln County Rural Water: (605) 767-2966
- *South Lincoln County Rural Water: (605) 372-4211
- *Possible restrictions in effect

BUILDING PERMIT CHECKLIST

Provide applicant with the handout stating the required inspections
If permit is for commercial building (excluding single family dwellings and agriculture sheds), the following should be required:

Classification:

Assembly Group A	A-1, A-2, A-3, A-4 & A-5
Business Group B	
Educational Group E	
Factory Group F	F-1 & F-2
High-Hazard Group H	H-1, H-2, H-3 & H-4
Institutional Group I	I-1, I-2, I-3 & I-4
Mercantile Group M	
Residential Group R	R-1, R-2, R-3 & R-4 (excludes single family)
Storage Group S	S-1 & S-2
Utility and Misc. Group U	

Fuel load for the building: This includes all solid, liquid, and gaseous combustibles that will be present in the building.

Building plans showing egress exits: Generally, any area requiring more than one exit must have illuminated signs and pathways with an emergency 90 minute backup. Two exits are required if the exit travel distance is greater than 75 feet measured at right angles at any point in the building. These exits will generally be required to be accessible with no bolt locks.

Buildings over 10,000 sq. ft. may require professionally engineered plans. This does not preclude the building department from requiring engineered plans for any project if deemed necessary.

Townhouses, apartments, and other multi-family dwellings require approval of inspector before issuing permit. This will allow applicant to be aware of dwelling unit separation requirements before commencement of project.

STAIRS, HANDRAILS, & GUARDS

Stair treads and risers.

Riser height. The maximum riser height shall be 8 inches. The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than $\frac{3}{8}$ inch.

Tread depth. The minimum tread depth shall be 10 inches. The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than $\frac{3}{8}$ inch. Winder treads shall have a minimum tread depth of 10 inches measured as above at a point 12 inches from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches at any point. Within any flight of stairs, the greatest winder tread depth at the 12 inch walk line shall not exceed the smallest by more than $\frac{3}{8}$ inch.

Handrails. Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.

Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches and not more than 38 inches.

Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than $1\frac{1}{2}$ inch between the wall and the handrails.

Exceptions:

1. Handrails shall be permitted to be interrupted by a newel post at the turn.
2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

Handrail grip size. All required handrails shall be of one of the following types or provide equivalent grasp ability.

1. Type I. Handrails with a circular cross section shall have an outside diameter of at least $1\frac{1}{4}$ inches and not greater than 2 inches. If the handrail is not circular it shall have a perimeter dimension of at least 4 inches and not greater than $6\frac{1}{4}$ inches with a maximum cross section of dimension of $2\frac{1}{4}$ inches.
2. Type II. Handrails with a perimeter greater than $6\frac{1}{4}$ inches shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of $\frac{3}{4}$ inch measured vertically from the tallest portion of the profile and achieve a depth of at least $\frac{5}{16}$ inch within $\frac{7}{8}$ inch below the widest portion of the profile. This required depth shall continue for at least $\frac{3}{8}$ inch to a level that is not less than $1\frac{3}{4}$ inches below the tallest portion of the profile. The minimum width of the handrail above the recess shall be $1\frac{1}{4}$ inches to a maximum of $2\frac{3}{4}$ inches. Edges shall have a minimum radius of 0.01 inches.

GUARDS

Guards required. Porches, balconies or raised floor surfaces located more than 30 inches above the floor or grade below shall have guards not less than 36 inches in height. Open sides of stairs with a total rise of more than 30 inches above the floor or grade below shall have guards not less than 34 inches in height measured vertically from the nosing of the treads. Porches and decks which are enclosed with insect screening shall be provided with guards where the walking surface is located more than 30 inches above the floor or grade below.

Guard opening limitations. Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 5 inches or more in diameter.

Exception: The triangular opening formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such a size that a sphere 6 inches cannot pass through.

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

TABLE R301.2(1) IRC

Roof Snow Load. 40 psf Ground Snow Load (Figure R301.2(5) Ground Snow Load for the United States IRC); or as an alternate:

Roof slopes with a rise of 3 inches or less to 12 inches shall be designed for a full or unbalanced snow load of 30 pounds per square foot of horizontal projection. Where a roof system is designed to slope less than ¼ inch per 12 inches, a surcharge load of not less than 5 pounds per square foot in addition to the required live load due to snow shall be designed for.

Roof slopes with over 3 inches of rise per 12 inches shall be designed for a full or unbalanced snow load of not less than 25 pounds per square foot of horizontal projection.

Potential unbalanced accumulation of snow at valleys, parapets, roof structures, and offsets in roofs of uneven configuration shall be considered.

Wind Speed. 90 mph. (Figure R 301.2(4) IRC; The wind exposure category shall be determined on a site specific basis in accordance with Section R 301.2.1.4 IRC when engineering is deemed necessary.)

Seismic Design Category. Seismic Zone A. (Figure R301.2(2) Seismic Design Category Map in accordance with Section R 301.2.2.2 IRC.

Weathering. Service. (See Figure R 301.2(3), Weathering Probability Map IRC)

Frost Line Depth. 42 inches

Termite Damage. Slight to Moderate. (Figure R 301.2(6) IRC)

Decay Damage. None to slight. (Figure R 301.2(7) Decay Probability Map IRC)

Winter Design Temperature. -11.5 degrees Fahrenheit (Ice shield underlayment required)