

1765 Restoration Road Rochester MN 55902 507-282-8206

Covered Deck & 3 Season Porch

The following items are conditions for permit issuance and strict compliance is mandatory.

- 1. Construction documents and a signed copy of the plan shall be kept at the site of the work, and open to inspection by the building inspector. MN1300.0130 Subp. 6
- 2. The attached sheet can be used as a construction guide.
- 3. Decks, porches and/or balconies exposed to the weather shall be constructed of an approved wood with natural resistance to decay such as redwood, cedar or treated wood. Before using an alternative building product, check with your local building official. MSBC1303.2000
- 4. Footings to be a minimum of 42" deep for frost. MN1303.1600
- 5. Decks with floor surface located more than 30 inches above floor or grade shall have guards not less than 36 inches in height not allowing the passage of a sphere larger than 4 inches in diameter. MSBC1309/R312.1.2 R312.1.3
- 6. REQUIREMENTS FOR ALL STAIRS: MSBC1309/R311.7-R311.7.8.4
 - 1. 36" minimum width
- 6. 7¾" maximum rise
- 2. 10" minimum tread
- 7. Minimum of 6'8" headroom
- 3. Use 3 2 x 12 stringers 8. Use Joist Hangers
- 4. Double joist around openings
- 5. 34"-38" high continuous gripable handrail with ends returned to wall.

Open risers are permitted, provided that the opening between treads does not permit the passage of a four inch (4") diameter sphere.

The greatest riser height and tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch.

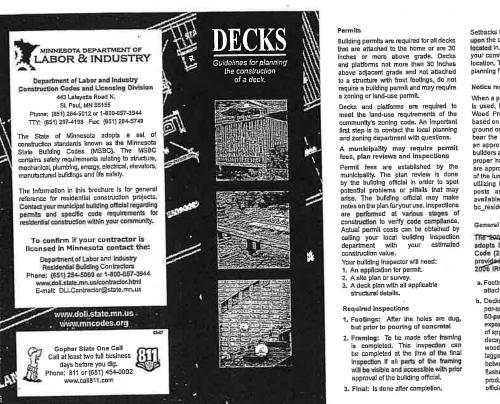
Guards on stairs shall not be less than 34" in height measured vertically from the nosing of the treads. MSBC1309/R312.1.2 exception #1

Nothing four and three-eighth inches (4-3/8") or more in diameter shall pass through the guards (on stairways). MSBC1309/R312.1.3

- 7. An inspection of post holes is required prior to the placement of concrete in the holes. MN1300.0210 Subp 6
- 8. All footings to bear on undisturbed non-organic soil. MSBC1309/403.1
- Ledger boards shall be lagged to the building and all connections between the deck and building shall be flashed. MSBC1309/R703.4

- 10. Lateral load connection devices shall be installed in a minimum of two locations per deck. Each device shall have an allowable stress design capacity of not less than 1500 lbs. or equivalent devices. MCBC1309/R507.9
- 11. Beams shall be provided with a minimum of 1-1/2 inches of solid bearing, be notched into or rest on top of the columns, or have metal brackets that provide adequate bearing to distribute the load installed on both sides of the beams. MSBC1309/R502.6 and R606.6.3
- 12. Handrails shall comply with MSBC1309/R311.7-8 (See attached handout)
- Provide <u>signed</u> rafter certifications <u>including truss layout</u> for trusses to be used displaying conformance with TPI 95 criteria for 35# live load design. <u>Rafter certifications and truss layout shall be on jobsite at time of framing inspection</u>. MSBC1309/R502.11.4
- 14. Provide 7/16" minimum roof sheathing with 24/16 panel index. Use plywood clips on all non-supported joints. MSBC1309/R503.2.1.1(1)
- Windows/doors shall be <u>installed and flashed</u> in accordance with the manufacturer's written installation instructions. Manufacturer's written instructions shall be on jobsite at time of framing inspection.MSBC1309/ R609.1
- 16. **Flashing:** Approved corrosion resistant flashing shall be applied shingle fashion in such a manner as to prevent entry of water into the wall cavity or penetration of water to the building structure framing components. The flashing shall extend to the surface of the exterior wall finish. MSBC1309/R703.4
- 17. Roof assemblies subject to wind uplift pressures that exceed 200 lbs. shall have rafter or truss ties provided at bearing locations. This includes the overhang. MSBC1309/R802.11.1
- 18. Building shall meet 115 mph wind load. MSBC1309 Table R301.2(1)
- 19. Roof shall meet 35# live load. MSBC1303.1700
- 20. Install proper wind bracing. Bracing shall be designed for 115 mph wind load. MSBC1309/R301.2.1
- 21. Any glazing closer than 24" to either edge of a door shall be safety glazed. MSBC1309/R308.4
- 22. Post the attached Inspection Record Card on the jobsite. MN State Bldg. Code 2003 Sec 1300.0210 Subp 3.
- 24. This structure must comply with all portions of the Minnesota State Building Code whether noted on this plan or omitted. Failure to note any detail(s) on the plan does not remove the builder from the responsibility of complying with the Building Code. Plan review was done in accordance with the current Minnesota Building Code. Plan review does not waive any additional code compliance issues found on site. MN1300
- 23. a. The term "complete" shall include all work proposed in the approved permit. All building permits issued shall complete construction of the project within one hundred and eighty (180) days after the permit is issued, without additional approval. If at the time of application, the project is anticipated to not be completed within one hundred eighty (180) days, the applicant shall provide the project's anticipated timeline. CMS may adjust for reasonableness and approve project timelines as part of the permit review process up to five hundred and forty (540) days. Projects anticipated to exceed five hundred and forty (540) days shall seek approval from the jurisdiction's applicable governing body.

b. A permit holder may request extensions in increments of one hundred and eighty (1800 days. CMS may approve up to two extensions if CMS judges steady and continuous progress is being made. Permit holders requesting more than two extensions shall make an application for a new permit. The new permit application shall state the reason and demonstrate that circumstances were beyond the control of the permit holder.



Setbacks from property lines vary depending upon the city and zoning district your home is located in. Contact the building department in your community for the requirements in your location. This is an important first step in the planning for any deck project

Notice regarding pressure-treated wood

When a pressure-preservative-treated wood Is used, II must comply with the American Wood Preservers Association UI Standard based on exposure (exterior) and use (above ground or ground contact). The lumber must beer the quality mark (stamp or end tag) of an approved inspection agency. Designers, builders and home owners need to verify that bc_residential.html.

General building code requirements The SQ07 Minnesota State Building Code adopts the 2005 Interactional Residential Code (2005 INC), All 'R' Cotte-sciences provided in this brochure pertain to the 2006 IRC).

- a, Footings must extend to frost depth (If attached to the house).
- b. Decks need to be designed for a 40-pour per-square-foot live load and balconies to a 60-pound-per-square-foot live load. Decks exposed to the weather must be constructed of approved wood with natural resistance to decay such as redwood, cedar or treated wood, Ledger boards must be bolled or lagged to the building and all connections between the deck and dwelling must be flashed. Before using alternative building products, check with your local building official.
- 50 cen and des **ction** 5 Om

- c, Columns and posts in contact with the ground or embedded in concrete, earth or masonry must be of pressure-treated wood approved for ground contact.
- d. Cedar or redwood posts need an 8-Inch separation from the ground.
- a. Other the Television of a second secon
- s: 1. The triangular openings formed by the riser, tread and Eventio Exceptions: 1. The transform optimize formation of the provided to be bottom rail of a guided it the open side of a stativery are permitted to be of such a size that a sphere 6 inches (152 mm) cannot pass through. 2. Openings for required guards on the sides of stati reads shall not allow a sphere 4% inches (107 mm) to pass through **General**.
- g. Handrails are required on all stainways having four or more risers. All required handrails shall be of the following types or provide equivalent graspability,

- Type I. Handralls with a circular cross section shall have an outside diameter of at least 114 inches (32 mm) and not preater than 2 inches (51 mm). If the handrall is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not ater than 61/4 inches (160 mm) with a maximum cross section nsion of 21/4 inches (57 mm).
- Type II. Handrails with a perimeter greater than 6¹/4 Inches (160 mm) shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of ³/₄ the plotter, the might block a sine begin the tailest portion of the profile and achieve a depth of at least 9% inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least 3/6 inch (10 mm) to a level that is not less than 13/4 inches (45 mm) below the tallest portion of the profile. The minimum width of the handrall above the recess shall be 11/4 inches (32 mm) to a miximum of 23/4 inches (70 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

The top of handrall must be not less than 34 inches nor more than 38 inches above the nosing (front edge) of treads and they must be returned to a wall or post.

- The electrical code requires overhead power lines to be located a minimum of 10 feet above decks and platforms. Existing lines may need to be calsed if a new deck is to be installed beneath them.
- When localing a deck, care must be given to the location of outside gas and electric meters, wells and septic systems. These

may need to be relocated to allow for construction of the deck. Septic systems and wells may be difficult to relocate, requiring an alternative location for the deck. Contact your local building department prior to placement of any deck that will interfere with these devices.

Some communities use a remote outside water-meter-reading device that may need to be relocated to allow for construction of a deck. These devices must be relocated properly and may require dack, These devices must be relocated property and may require special tools. Prior to placement of any dack that will interfere with the operation or accessibility of the reader, contact your local building department or water department to obtain information and procedures about relocating these devices. Note: For specific code requirements, please contact your local building department.

Plans: Site, floor and elevation

The text and sample drawings below show the minimum detail expected to ensure the permit process proceeds smoothly. Two sets of each site, floor and elevation plan are required. Plans do not need to be professionally drawn. Plans should include all of the information requested and drawn to scale.

A certificate of survey or site plan should be drawn to scale that A bit include the simple of an equilation of the existing indicates the lot idmensions, the location and size of the existing structure(s) and the location and a size of the proposed structure, Indicate the sechacks from property lines of the existing and proposed structure(s). Include the septic system area and wells, if applicable.

or plan Floor plan 1. Proposed deck size. 2. Size and speeing of floor joists. 3. Size and type of decking material. 4. Size, type, location and spacing of posts. 5. Size and type of beams. Sample elevation plan Sample floor plan Sample site plan Show maler Dimension Garage Proposed Ē Laifgar joist 1 Elevation plan Height of structure from grade. 1 Size and depth of footings. Guard height and spacing (if any). Existing home Drivewa 50 З. 1 Stalrway rise or run and handral height (If any). Clearance of overhead wires 1 1 Б. (if applicable). Center line of streat

1

FLOORS	- H	16' 16'1" to 18'	10	61	16	y standard engineering real composite lumber, toering photics	he maximum distance			ROW SPACING	1 ³ / ₆ inches ^b	1/1 Inches	R507.2.1(1).	· ,		•	a	*DISTANCE SHALL BE PERMITTED TO BE-REDUCED TO 4.5" IF LAG SCREWS	OF LAG SCREWS		ан (к	-	199	
C LEDGER AND		121 1014 141 1016 of fasteners ^{4, a}	13 11	24 21	21 18	For S1. Inter 52. 4 cm. 11 (or = 30;4 sm. 1. pound per aqueurs foot = 0.0479 kRa, a. The portion ing scores whall fully evented physical theorem in the hand plots. b. The maximum gap between the face of the ledger board and face of the well sheathing shall be V_1 lach. c. Ledger and but is fauld to prevent water from contacting the house band joint. d. Lag greaves and bolk shall be stragened to according the house band joint. d. Lag greaves and bolk shall be be stragened to according the house band joint. c. Deck ledger shall be material to according the house band joint. d. Lag greaves and bolk shall be be stragened to according with Section 500.2 greade lumber, or other approved materials as eachbliched by standard engineering periodic. The materian prevent water fractioned for the ledger standard to a charge and her approved materials as eachbliched by standard engineering periodic. The start strate or wood arrowed the charge and in adminiment 1-inch-thick engineerend wood product franctural composite lumber, find the strategreater wood arrowed resceled deck fedgers are attached to a minimum 1-inch-thick engineerend wood product franctural composite lumber, find the strategreater preservative areated deck fedgers are attached to a minimum 1-inch-thick engineerend wood product franctural composite lumber, find the strategreater preservative areated deck fedgers are attached to a minimum 1-inch-thick engineerend beard in the strategreater angle according with the strategreater and the strategreater angle according with the strategreater angle accord	practice. When notice any pressure-preservative-treated deck ledgers are attached to a minimum 1-incri-hidds engineered wood processors to a promote or properties humber. Invinited venter implete or wood attreamed parel band joigt, this before interforment thal he designed in accordance with accepted engineering practice. A minimum 1 × 9½, Doughts Fiel handnated venter humber fraboard shall be permitted in Ueu of the 2-inch mominal band joist. Wood structural panel superimon board that he permitted in Ueu of the 2-inch mominal band joist. Weed structural panel superimboard the sharding of foam themhing not exceeding 1 Inch In thickness shall be permitted. The maximum distance between the face of the ledger board and the face of the band joist shall be 1 Inch.	D RAND. INSTS				2 Diches	For St: 1 loch = 25.4 nm. La getewer to toble shall be staggered from the top to the bottorn along the bottorntal run of the deck ladger in secondance with Flgure R.507.2.1(1). 6. Machuman S faches. 6. For engineered ring Jolics, the manufacturer's recommendations shall govern. 6. The minimum distance from bottom row of lag screws or bolls to the top edger of the ledger shall be in accordance with Figure R.507.2.1(1).			ENER6	i*.	*DISTANCE SHALL E	REDUCED TO THAT TO ATTACH 2 X 8 LE	· · · · · · · · · · · · · · · · · · ·	RS			
HEM-FIR DEC	f load = 10 psf)	On-center specing of fasteners ^{4,}	15	29	24	all be ¹ / ₃ inch. or other approved tendentinek engla be designed in so lieu of the 2-indi	ding 1 Inch In thic	K LEDGERS AN	MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS		21	N 7	of the deck ledge or shall be in acco			STAGGER FAST	IN 2 ROWS	5.5" MIN, FOR 2 X 8* 8.5" MIN, FOR 2 X 10		AIN.	FIGURE R507.2.1(1) PLACEMENT OF LAG SCREWS AND BOLTS IN LEDGERS			
TABLE R507.2 SAWN SPRUCE-	si, deck dead l		18	34	29	479 kPa. and joist. jult sheathing si julst. 2.1. 2.1. Brade lumber, to a minimum thachument shall	hing not excee 5.1 Inch.	LE 507.2.1 DLTS IN DEC	NCES AND SP	BOTTOM EDGE	'/ ₄ Inch	7 TICILCR	e hortzontal rur um. edge of the ledg				Ń	5.6"		3/4" MIN	E H507.2.1(1) EWS AND B(
A SOUTHE	50K IIVe load = 40 psl, de		23	39	36	urs foot = 0.0 face of the bs face of the w face of the w face of the w fouse band irealed No. 2 are attached w the ledger = uboard shall	r foam sheat joist shall be	TABI VS AND BC	EDGE DISTA	BOT	- 6		tom along the ho ns shall govern. is to the top edge				1	à	Ó	R BOLT	FIGURE FLAG SCR			
ACING FOR	UBCK IIVB		30	36	п 36	ound per sque ad the inside J er board and J contacting the contacting the deck ledgers at band joist)	l sheathing o e of the band	AG SCREV	M END AND F	BE	- -		top to the boti commendatio screws or boli	2	~	'N	iiw z ►		6	LAG SCREW OR BOLT	CEMENT OF			
FASTENER SPACING FOR A SOUTHELE R507.2 A 2-NQH-MOMINAL SOUTHELE N PNE OF HEM-FIR DECK LEDGER AND A 2-NQH-MOMINAL SOULD-SAWN SPRUCE-FIR BAND 401ST*4	IDIST SDAN	Connection details	srew with ¹³ / ₃₂ jach	$\frac{1}{4}$ inch diameter bolt with $^{13}/_{22}$ inch maximum healthing	I_2 inch diameter bolt with $^{13}I_{23}$ inch maximum healthing and I_2 inch stacked washers ^{b,b}	Tro 'B1. Then = 2.5 4 cm., 1.6 oct = 30:45 cm.; to tound per genues foct = 0.0479 kPa. The 'B1. Then = 2.5 4 cm., 1.6 oct = 30:45 cm.; to the hand joist. The machinum gap between the face of the ledget board and faces of the band joist. Ledgers and the faced of prevent weter form contacting the house band joist. Ledgers and the faced of prevent weter form contacting the house band joist. Ledgers and the faced of prevent weter form contacting the house band joist. Ledgers and the faced of prevent weter form contacting the house band joint. Ledgers and the faced of prevent weter form contacting the house band joint. Ledgers and the faced of prevent weter form contacting the house hand joint. Deek ledger shall be much mun 2 × 8 pressure-pre-streaked No. 2 grade lumber, or other approved materials as each joint solid-sum pressure-preservative-treated deck fedgers are atteched to a minimum L-inch-thick engueered wood product When solid-sum pressure-preservative-treated deck fedgers are atteched to a minimum L-inch-thick engueered wood product induction 1 × 3% jough aff-facilitation atteched thall be permitted to thus of the 2-lach nominal hand joint.	sheathing, gypsum board ledger board and the fac	TABLE 507.2.1 PLACEMENT OF LAG SCREWS AND BOLTS IN DECK LEDGERS AND RAND JOINTS	- MINIMU	TOP EDGE	3/ inches		ll be staggered from the (6, the manufacturer's rec from bottom row of lag ;		5			0		ر ا		3	IDENTIAL CODE	
	siur	Conneal	¹ / ₃ inch diameter lag screw with ¹³ / ₃₂ inch motimum sheathing*	1/2 inch diameter bolt v sheathing	V_2 inch diameter bolt with $^{15}V_{22}$ inch maxishes the sheat sheathing and V_2 inch stacked washers h,h	A. The up of the ling scraw aball fully extend by nound par agame foot = 0.0479 kRs, at The up of the ling scraw aball fully extend by nould the indication for a 0.0479 kRs, in The maximum gap hatween the face of the largest and face of the hand joint. b. The maximum gap hatween the face of the largest buard and face of the wall healt of the regrest water from contending the house band joint. c. Larg acrews and holds shall be strggered to accordance with Section RS(12.1, the greeke and bolds face of the subscription of the strategiest of the section RS(12.1, a predict length of the large structure preservative-treated No. 2 grade in the predice. F. When solid-sawn pressure-preservative-treated deck fedgers are attached to a minimated veneral involve attached veneral modifies the half be predice.	h. Wood structural panel between the face of the				Band Toler	Hor SI 1 inch - 76 4	rer S.H. I dont = 22,4 mm. Lag screws or bolts shall be singered from the top to the bottom aloo b. Mradmum 5 laches. c. For engineered drar Jolats, the manufacturer's recommendednos shall d. The minimum distance from bottom row of lag screws or bolts to the		<u>.</u> ,			E MAX	O T NIN	For SI: 1 inch = 25.4 mm.			²⁰¹⁵ MINNESOTA RESIDENTIAL CODE	
Dictor & Faters Interaction rise Inter	「「「「」」「「」」「「」」」	For new construction or to make an existing current deck by the construction or to make an existing current deck by the construction of the DTTT2 can be used as a tendion-tie to specify	to the house at portioning or a 200 list, tateral and connection in the first of the house at portion provident or a 200 list, tateral and connection to the house at the first connection from the deck holds to hold by the house at thouse at the house a	to top plates, stora, or headers within the supporting functions. In the plates, stora, or headers within the supporting functions of the plates plates head to access to the floor plates header to access the floor plates header to access to the floor plates header to ac	The new DTTT2 fastens to the marrow or white face tas anote 2x with standard Strong-Dirty Stron	Description of the control of the stand of the new management of the standard of the new management and standard of the sta	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-Stainless staet; see Corrosion Information,	INSTANTION: OF A DESCRIPTION SECTION OF A DESCRIPTION OF A O DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION O	talled Internet to the second se	ration SDS Havy-DUD		Strong-Drive SD Connector storews Install with Strong-Drive SD Connector storews Install Strong-Drive SDWH Timber-Hex HDG screws Install Strong-Drive SDWH Timber-Hex HDG Strong-Drive SDWH Timbe	These peridicuts are available with peditional perioderition. Additional periodicition of additional periodiced on the page may also be available with this option, church with Sampacen Strong-Tate for challe.	Mudel & Anchor Fastener Mender Alleurable Code Astronom Alleurable Code		Image: Mark and	DIT22/DIT25S 94 M 8-1/X/1/K SDS 1 1825 1800 18, 18 18 18 18 18 18 18 18 18 18 18 18 18		2. OTTIZ increase allowed in ballow 250 fbs. do not salisty the 2015 IRC PA Date and real through the addition of the addition	lbs.	6. The guarding part filterations above and reases an outward force on the puratural. A readilicitual DTSC at the Made for the Jower Dia offices and thread force.		

÷.,