



WOOD DECKS – ONE AND TWO FAMILY DWELLINGS

Minneapolis Inspections Division
Informational Bulletin
Revised September 2008

Information Needed to Issue Open Deck Permit

Prepare all drawings to scale (1/4" = 1'0"). Size all basic materials (posts, joists, beams, decking) indicating spans and all post locations.

Note: All materials used for posts, joists, beams and decking shall be approved treated wood or approved wood of natural resistance to decay such as cedar.

Stairs of four or more risers require grippable handrails (see detail on reverse).

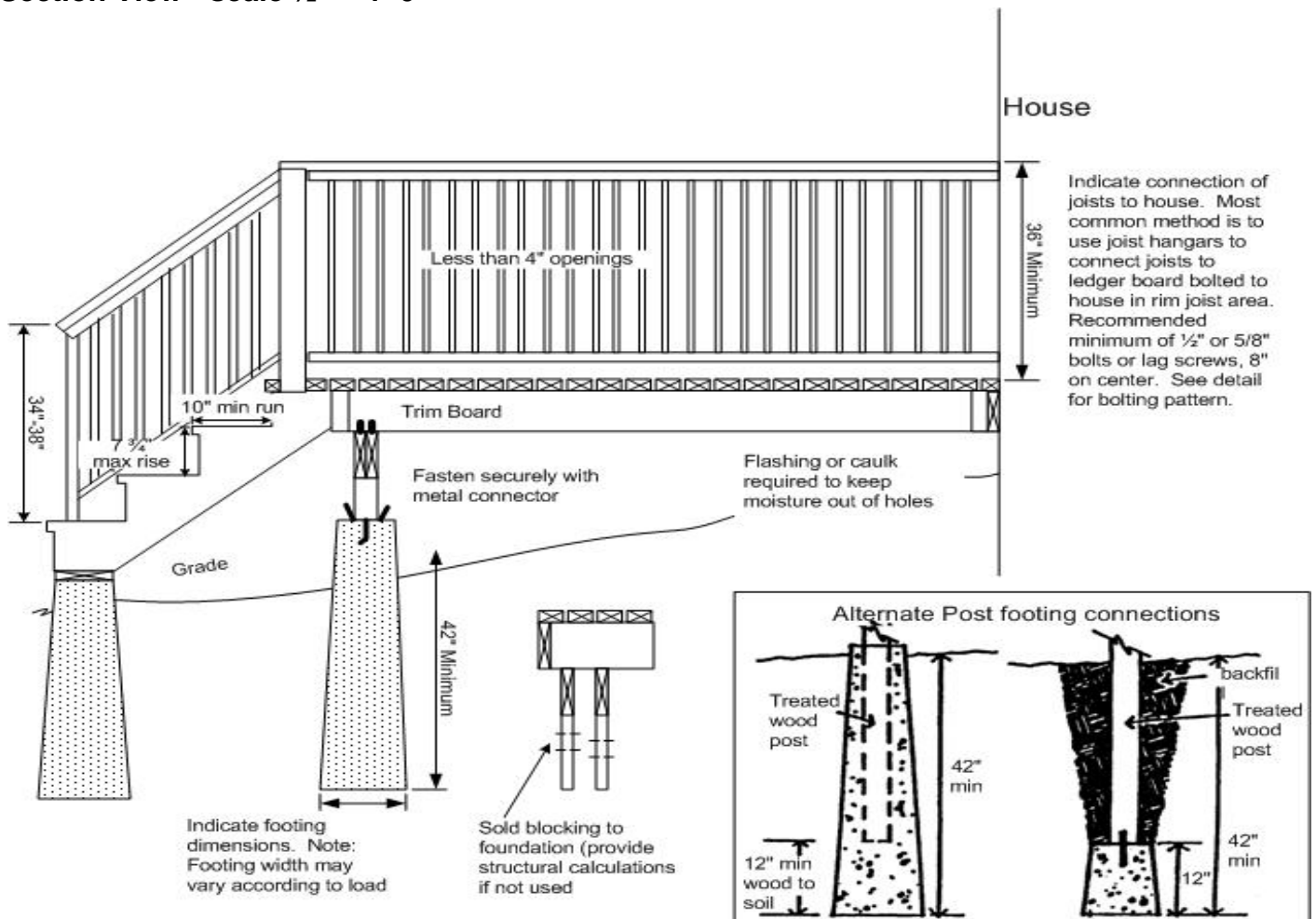
Guardrail required if deck height is 30" or more above adjacent ground. If deck is closer to ground, guardrail and its design are optional

Lumber in contact with the ground shall be treated and bear the label of an accredited agency showing 0.6 retention.

If guardrail and stair railings are required, they shall have intermediate railings or an ornamental pattern such that a sphere 4" in diameter cannot pass through.

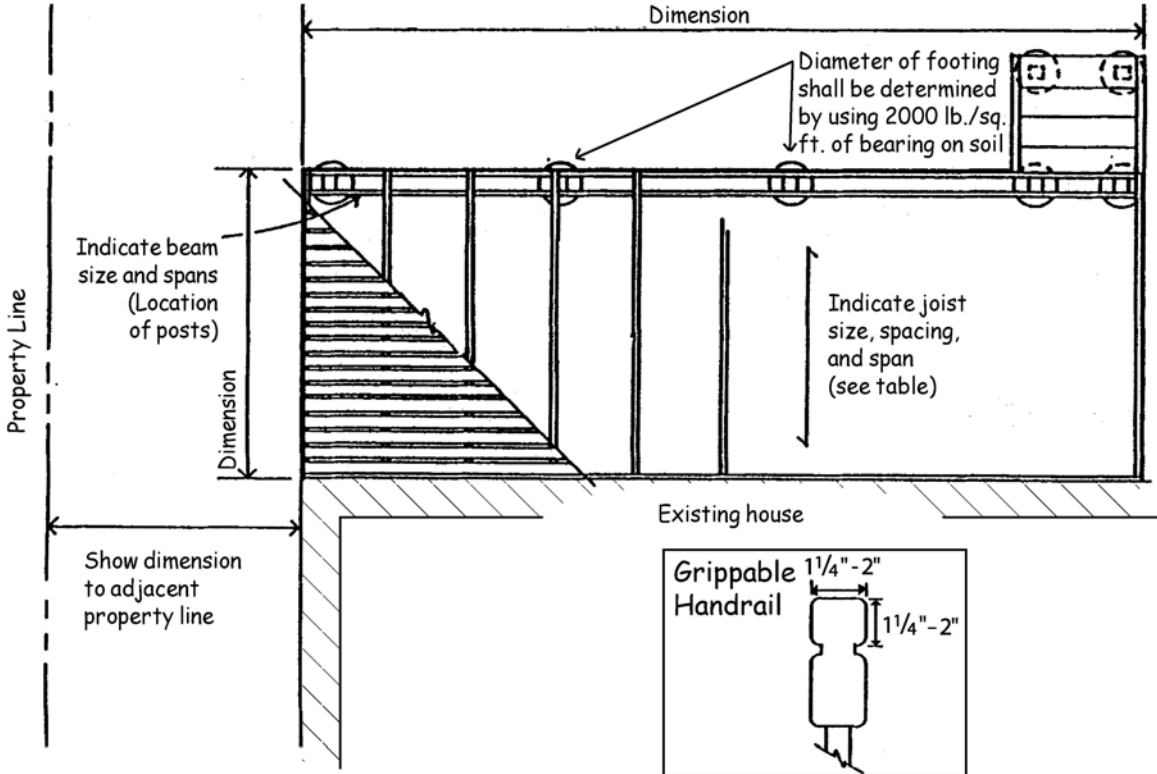
The base of stairs shall not rest on bare ground. Alternates of patio blocks or an 8'x8' concrete pad are acceptable if deck is near ground level.

Section View - scale 1/2" = 1' 0"



Provide site plan showing location of house and proposed deck with distance to property lines. Indicate scale used and minimum decking dimensions: 1x4 if 16" O.C. joists 2x4's if 24" O.C. joists. Setbacks for decks are subject to zoning requirements.

Plan view **scale 1/4" = 1'0"**



Electrical Lines

If service conductors are within 3 ft measured horizontally from a balcony, stair landing, or other platform, clearance to the platform of at least 10 ft must be maintained, as shown. See NEC Sec 230.24(B) for vertical clearances from ground.

Maximum joist span using treated Ponderosa pine (#2 or better) F _A = 975 psi, repetitive			Maximum joist span using treated Southern yellow pine (#2 or better) F _A = 1400 psi, repetitive		
Joist	Spacing	Span	Joist	Spacing	Span
2 x 6	12" O.C.	8' - 3"	2 x 6	12" O.C.	9' - 4"
	16" O.C.	7' - 5"		16" O.C.	8' - 6"
	24" O.C.	6' - 1"		24" O.C.	7' - 3"
2 x 8	12" O.C.	10' - 11"	2 x 8	12" O.C.	12' - 4"
	16" O.C.	9' - 10"		16" O.C.	11' - 3"
	24" O.C.	8' - 0"		24" O.C.	9' - 7"
2 x 10	12" O.C.	13' - 11"	2 x 10	12" O.C.	15' - 9"
	16" O.C.	12' - 6"		16" O.C.	14' - 4"
	24" O.C.	10' - 3"		24" O.C.	12' - 3"

Bolting Pattern for Ledger Board

Use bolts or lag screws 8" O.C. if connecting into rim joist or foundation or two vertically at 16" O.C. if connecting into wall stud area.



Deck Materials – Approved Composite Products
Minneapolis Construction Code Services
Revised January 2009

Product Name	Manufacturer	Evaluation Service Report
21 POLY	Northstar Vinyl Products	None
Advantage	Plastic Lumber Co. Akron, OH	None
Aeolian Deck Boards	Aeolian Enterprises, Inc. Latrobe, PA	None
Andersen Engineered Decking	Andersen Corp. Bayport, MN	None
APEX Decking	Polymer Engineering Concepts Waukon, IA	None
AZEK Decking	AZEK Building Products, Inc. Foley, AL	ESR-1667
Aztec Plastic Lumber	Amazing Recycled Products Denver, CO	None
Bear Board	EPS Plastic Lumber Cary, IL	None
Bedford Plastic Timbers	Bedford Technology Worthington, MN	None
Boardwalk Composite Lumber	Certainteed Corp. Jackson, MI	None
Brite Composite Decking	Brite Manufacturing, Inc. Bolton, Ontario, Canada	ESR-1279
Brock Deck	Royal Crown Ltd. Milford, IN	NER-705
Bufftech	Certainteed Corp. Valley Forge, PA	None
Carefree Decking System	U.S. Plastic Lumber Ltd. Chicago, IL	None
C-Clip Vinyl Deck System	Kroy Bldg. Products, Inc. York, NE	None
CertainTeed PVC Deck Planks	Certainteed Corp. Valley Forge, PA	NER-605
CHOICEDEK Decking	Advanced Environmental Recycling	NER-596
Classic Manor PVC Decking	Kroy Building Products, Inc. Cary, NC	None
Coronet Decking	Green Tree Composites	None
CorrectDeck	Correct Bldg. Products Biddleford, ME	NER-688
Country Estate Decking	Nebraska Plastics, Inc. Cozad, NE	None

Cross Timbers	Elk Corp. Dallas, TX	ESR-1590
Deck Lok Decking	Royal Crown Limited Milford, IN	ESR-1051
Dream Deck	Thermal Industries Pittsburgh, PA	97-55
DuraBord	Recycled Plastics Marketing	None
DuraDeck	Renew Resources	None
Ecoboard	American Ecoboard Farmingdale, NY	None
E-Deck Composite Decking	Carney Timber Products Barrie, Ontario, Canada	NER-695
Ecodeck	Environmental Bldg. Products Highlands Ranch, CO	None
Endura Board	Crawford Industries Wauzeka, WI	ESR-1890
Eon Decking System	CPI Plastics Group Ontario, Canada	ESR-1300
Epoch Decking	Eco-Products Boulder, CO	None
Epoch Evergrain Decking	Epoch Composite Products Lamar, MO	ESR-1625
Evernew	Certainteed Corp. Valley Forge, PA	None
Everx Extruded Wood Products	UFP Ventures II, Inc. Prairie du Chien, WI	ESR-1573
EVOLVE Lumber Plastic Decking	RENEW Plastic Luxemburg, WI	NER-702
Extrudawood		None
E-Z Deck	Pultronex Corp.	None
Fiberon Decking	Fiber Composites, LLC New London, NC	22-41
ForeverDeck	Plastic Lumber Yard Ambler, PA	None
Generations Deck System	Owen Corning Toledo, OH	None
Genova Vinyl Decking	Genova Products, Inc. Davison, MI	ESR-1904
GeoDeck	LDI Composites Co. Green Bay, WI	21-71
		ESR-1369
Gorilla Deck	Homeland Vinyl Products Birmingham, AL	ESR-1657
Great Deck	U.S. Plastics Lumber Chicago, IL	None
Harmony Select Decking System	Royal Mouldings Woodbridge, Ontario, Canada	None
ITS Recycled Decking	American Recycled Plastics Inc Palm Bay, FL	None
Lakeshore	Bluelinx Corp. Atlanta, GA	None
Latitudes	UFP Ventures II, Inc. Prairie Du Chein, WI	ESR-1573

Liberty Decking	Outdoor Technologies, Inc. Macon, MS	22-39
Life Long Composite	Brite Manufacturing, Inc. Bolton, Ontario, Canada	ESR-1279
Luxrae Decking	Onyx Innovation, Inc. Mississauga, Ontario, Canada	None
MacLumber	MacLumber of South Carolina, Inc Bamberg, SC	None
MikronWood Decking	Mikron Industries Kent, WA	None
Millennium Lumber	Millennium Decking, Inc. Niska, Alberta, Canada	ESR-1603
Millenium Lumber	BJM Industries, Inc.	None
Monarch Decking	Green Tree Composites	None
Nexwood Decking	Nexwood Industries Brampton, Ontario, Canada	None
North Dex	Master Mark Plastics Albany, MN	None
Novation Innovative Decking	Royal Mouldings Woodbridge, Ontario, Canada	None
Oasis Composite Deck	Alcoa Home Exterior Sidney, OH	ESR-1425
PC Ultima Decking	Premium Composites, LLC Veblen, SD	Pending-Test data available
Perma Deck	Eco-Products Boulder, CO	None
Perma-Deck	Plastiques Cascades, Inc. Quebec, Canada	21-91
Perma-Poly Boards	Renew Plastics Luxemburg, WI	NER-702
Plastival Lumber	Plastival, Inc. Elgin, IL	None
Poly Planks	EPS Plastic Lumber Cary, IL	None
PolyWood	Polywood, Inc. Edison, NJ	None
Portico	Fiber Composites, LLC New London, NC	22-41
Premier Composite Dec king	Composatron Mfg., Inc. Toronto, Ontario, Canada	ESR-1481
Presidio Vinyl Decking	Westech Mt. Vernon, IN	NER-710
Procell Decking	Procell, L.LC. Foley, AL	ESR-1667
Profexion Deck Boards	Fiber Composites, LLC New London, NC	22-41
Recycled Plastic Lumber	Recycled Plastic Man, Inc. Venice, FL	None
Rhino Deck	Master Mark Plastics, , Albany MN	ESR-1461
Riverwalk PE Composite Decking	Dry River Industries Morristown, TN	None
Royal Deck System	Royal Plastics Group Chicago, IL	None
Rumber Boards	Rumber Materials, Inc Austin, TX	None

Sheerline PVC Decking	L. B. Plastics, Inc. Mooresville, NC	NER-571
SmartDeck	U. S. Plastic Lumber, Ltd.	None
Spartan Decking	Spartan International	None
Strata Decking	Railing Dynamics, Inc. Egg Harbor Township, NJ	None
Symmatrix	Dow Chemical Co. Midland, MI	None
TanDeck Decking System	Tangent Technologies, LLC. Aurora, IL	None
Teck Deck	Outdoor Technologies, Inc Macon, MS	21-26
TecWood	Materials International Atlanta, GA	None
Tendura Plank	Tendura Industries Troy, AL	None
Timber Tech Decking	Timbertech Limited Columbus, OH	2325 & ESR-1400
Timberlast	Kroy Building Products York, NE	None
Trex Composite Lumber	Trex Company Winchester, VA	ESR-1190
UltraDeck	Midwest Manufacturing Extrusion Eau Claire, WI	ESR-1674
Ultra-Dek	CTI Extrusion	None
VEKAdeck	VEKA Inc. Fombell, PA	ESR-1469
Veranda	Louisiana Pacific Corp. Franklin, TN	ESR-1088
Veranda	UFP Ventures II, Inc. Prairie Du Chein, WI	ESR-1573
Veranda Deck Boards	Fiber Composites, LLC New London, NC	22-41
Vinyl Craft Decking	Kroy Building Products Oxnard, CA	None
Weatherbest Composite Decking	Louisiana Pacific Corp. Franklin, TN	ESR-1088
West Lumber Decking	JRW-RDW, Inc. Concord, NC	None
XTENDEX	Carnet Timber Co. Barrie, Ontario, Canada	NER-695 & ESR-2051

Note: It is extremely important to read all reports thoroughly.
Not all products are approved for use on stairs.
Additional engineering may be required.
This list may not be all-inclusive of all available products.
Check ICC-ES website for current status of product reports.

Additional Information

Website for Evaluation Service Reports: www.icc-es.org

Current Lakes Chapter of the ICC website: www.10klakes.org

FOR QUESTIONS OR NEW PRODUCT LISTINGS CONTACT:

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