

COUNTY OF ACCOMACK BUILDING, PLANNING & ECONOMIC DEVELOPMENT

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Building & Code Enforcement Planning & Zoning Geographic Information & Mapping Floodplain Management Economic Development Wallops Research Park

DECKS, PORCHES, STAIRS AND RAMPS SPECIFICATIONS APPLICATION

2015 VIRGINIA RESIDENTIAL CODE

	I agree to design and build the proposed deck in accordance with the Accomack County Building Deck Guide, which incorporates the 2015 Virginia Residential Code Section R507. Any structural element not prescribed in R507 shall be designed in accordance with an accepted engineering practice and sealed by a Registered Design Professional, licensed in Virginia.								
	In accordance with the USBC 112.2, I agree to design and build the proposed deck with the American Wood Council DCA-6 (2015) Deck Guide and full compliance with the document is required.								
Signature:									

DIRECTIONS

Accomack County Department of Building has prepared this guide for the design of basic Decks, Porches, Stairs and Ramps. If SPA, Hot Tub or other special use is intended, seek the help of a registered design professional.

This Deck guide is based on the prescriptive requirements of the 2015 Virginia Residential Code.

The following construction drawings are required:

- 1. 3 copies of the PLAT plans showing the proposed deck location with dimensions.
- 2. 2 copies of the DECK plans, specification sheets and details. The following inspections will be required:
 - a. Footing inspection prior to the placement of concrete.
 - b. Framing inspection
 - c. Final inspection

NOTE: The framing and final can be combined if the inspector is able to access the underside of the deck.

DECK SPECIFICATION SHEET

(Please fill out and attach a drawing of the proposed deck.)

- 1. Free Standing / Ledger Deck / Cantilever (please circle)
- 2. Deck Dimensions (L x W): _____ x____ (Height)
- 3. Lumber Species: Southern Pine or Alt.
- 4. Footing Dimensions (L x W): _____x ____(Thick),____(Deep)
- Total #: _____ (Incl. Stairs)
- 5. Post Size (L x W): ____x Post Spacing: ____
- 6. Post Base/Cap Connectors:

Yes _____

No- 12" Embedment in Concrete or Soil & Post Must be Notched (6x6 Only)

- 7. Ledger (L x W): x w/ ½"dia. Bolts/Lag Screws
- 8. Beams (L x W): (____)-___x____
- Joist (L x W):_____x____@_____o.c.
- 10. Wood plastic/Composites: ICC Report and Manufacturers Installation Instructions

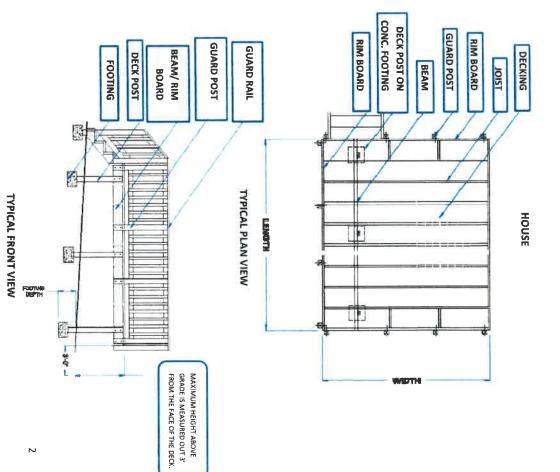
provided. Y N

DECK TYPES

Free-Standing Deck: a self-supporting deck structure built independently from a house, requiring at least two support beams.

Ledger Deck: a deck structure that is physically attached to the house with a ledger board, eliminating the need for a beam or footings adjacent to the house. **Note: not all decks can use attachment with a ledger board due to the exterior surface and/or the shape of the home's exterior wall. **

NO CARRIAGE BOLTS



PORCH SPECIFICATION SHEET

ALTHE PURCH IS TO BE ENCLOSED WITH A SOLID MATERIAL SUCH ANGLASS, IT WITH IN CONSIDER OF AN ADDITION, WITH A DECK OR HERE IS THE US A SURGENED PORCH, A WANDHAIL WILL BE HEQUIRED IN THE FINISHED GRADE

MAASURED 36" FRUM THE FALL OF THE DECK

YOU ARE NOT ALLOWED TO CONNECT A DECK OF PORCH TO A TRAILER

CH MOBILE HUNE, IT MUST BE FREE STANDING

(Please fill out and attach a drawing of the proposed deck.)

- 1. Is the parch to be constructed on new footings? Y N
- 2. Is a roof being added to an existing deck? Y N
- 3. Is it going to be a screened porch? Y $\,$ N
- 4. Roof Support Posts: Post Size Post Spacing __ Έ
- Rafter Support Beam (_
- 6. Rafters 0.C.
- 7. Ceiling (If Provided) Joist Size **@** _ o.c.

MINIMUM RAFTER SUPPORT BEAM

POST SPACING (FT)

RAFTER SPAN (FT)

6	4 [1] 236	5 [1] 2%	e (1) 2us	7 11 238	8 (2) 216	9 (2) 246	10 (2) 2166,	1.1 (2) 2x6, (1, 2x10	1.2 (2) 216
5				_	51.		_		_
80	(1) 206	(1) 206	(1) 2X6	(2) 2X6. (3) 2X8	(2) 2×6,	(2) 2×6	(2) 2×6, (1) 2×10	(2) 2XB. (3) 2X32	axz (2)
5	exe (til	9xz (t)	11) 216	2)2%6 1)2%8	[2) 2K6. [1) 2K10	(2) 2)(B (1) 2)(B	(2) 2X8, (1) 2X12	12) 2X LO	(2) 2X10
12	(1) 2X0	axz (r.)	[2] 2X6. [1] 2X8	(2) 2X8	(2) 2HB.	(2) 2348,	12) 2KB	(Z) 2×10	(2) 2012
14	(1) 2x6	(X) 2X6	(2) 206	(2) 2×6.	(2) 208.	(2) 2)(8)	(2) 2410	(2) 2×10	(2) 2012
16	[1) 2X6	(2) 2×6 (1) 2×6	(2) 236,	(1) 2X6	(2) 20G (1) 20G	(2) 2030	2) Z#10	121 2022	(2) ZX1D

MAXIMUM RAFTER SPANS

2X12			2X10				2X8		I		3XC			2X4		SIZE S	
اللا لا	10°	12"	24"	16"	12"	24"	26"	12"	24"	165	17,	Z,	16"	15	(O.C.)	SPACING	RAFTER
19'6"	23' 10"	26'-0"	16'-6"	20'-3"	23'-5"	15' 13"	17' 2"	39.61	11.0	13-2"	14'-9"	, r.k	81-7-	97.57	CEILING JOISTS	SPANS W/	MAX RAFTER
29.61	235, 307	26-0*	16.6	20' 3"	27.5"	13' 11"	17'1"	197 Re	11'-0"	13:6"	15.7	7:4"	9'-0"	10'-4"	CEILING JOISTS	SPANS W/ O	MAX RAFTER

BASED ON THE 2012 VA-IRC SPAN TABLES FOR SOUTHERN PINE #2, FOR OTHER SPECIES REFER TO THE CODE BOOK.
ASSUMES 20 PSF GROUND SNOW LOAD AND 10 PSF DEAD LOAD.

