

<b>Project Address:</b>	<b>Permit #:</b>
<b>Name:</b>	
<b>Phone:</b> (    )	<b>eMail:</b>

Status	Item	IRC Reference	DCA 6 Reference
	<b>Footings - Inspected PRIOR to placing Concrete</b>		
	Min. 5' from other foundations	Comm. R403.1.4	Figure 21
	Bottom of footing distance from slopes > 1:3	R403.1.7	-----
	<i>Setback @ assumed 45 deg. slope = total height/3</i>	FR403.7.1.2(2)	-----
	Depth below finished grade => 42"	R403.1.4.1	-----
	Undisturbed soil => 12" below initial grade	R403.1.4	Figure 12
	Soil bearing capacity	TR401.4.1(b)	-----
	Base size and thickness	R403.1.1	Table 4/Table B3/Table C4B
	Pier size => 2 x nominal post size	Manufacturer's Specifications	-----
	Anchor diameter, embedment & edge distance	Manufacturer's Specifications	-----
	<i>3" @ "J" Bolts, 3-3/16" @ epoxied bolts, 5" @ wedge anchors</i>	Manufacturer's Specifications	-----
	<i>Epoxy minimum 40°F allow 72 hrs to cure, over 60°F allow 24 hours</i>	Manufacturer's Specifications	-----
	Post bases & placement (centered)	R402.1.1	Figure 12
	<b>General Conditions &amp; Materials</b>		
	Lumber graded, treated & condition acceptable	R317.2	-----
	Cuts, notches and holes treated	R317.1.1	Notes 4
	<i>Copper Naphthenate or equal</i>	R401.1.2/AWPA M4	Notes 4
	All fasteners & connectors compatible material	R317.3	Notes 7
	Exposed fasteners > 300' from saltwater	-----	-----
	Hot dipped galvanized per ASTM A 153	R317.3.1E2	Notes 7
	Exposed fasteners <= 300' from saltwater	-----	Notes 7
	Stainless steel grade 304 or 316 or salt water rated	Manufacturer's Specifications	Page 2 & Appendix C/FEMA TB8-96
	All bolts & lag screws of proper size & length	R317.3/ANSI/ASME B18.2.1	Note 6 & Figure 20
	All bolts have nuts and washers	R507.2	-----
	<i>No carriage bolts - Hex bolts with washers under head &amp; nut</i>	ANSI/ASTM B18.2.1	-----
	Structurally rated screws if used	ANSI/ASTM B18.6.1	-----
	Threaded nails of proper nail size & length used	R317.3/ASTM F 1667	Notes 5/Appendix C
	All connectors properly secured	Manufacturer's Specifications	-----
	Double shear nail length	Manufacturer's Specifications	-----
	All connectors unmodified	Manufacturer's Specifications	-----
	Exposed connectors > 300' from saltwater	-----	-----
	Hot dipped galvanized per ASTM B 653 G-185	R317.3.1E2	Notes 7
	Exposed connectors <= 300' from saltwater	-----	Notes 7
	Stainless steel grade 304 or 316 or salt water rated	Manufacturer's Specifications	Page 2 & Appendix C/FEMA TB8-96
	<i>Note: Do not use stainless steel over chlorinated water</i>	Manufacturer's Specifications	-----
	Manufacturers instructions on site	R106.1.2	-----
	<b>Posts</b>		
	Effective length <i>(see approved plans)</i>		Table 4 or B1 & B2
	Size => 4 x 4" <i>(see approved plans)</i>	R407.3	Table 4 & C4A
	Ground contact rated (AWPA UC4)	R317.2	Notes 4
	Post base restrains lateral movement	R407.3	Figure 12
	Post/beam bearing connections => 1-1/2"	R502.6	Figure 8A, 8B & 9
	Diagonal bracing => 2 x 4 w/1/2"Ø connection on outer posts	National Design Specification (NDS)	Figure 10
	<i>No bracing on interior posts</i>	National Design Specification (NDS)	Figure 10
	<b>Ledger</b>		
	Verify underlying material/condition	Table R507.2	Page 15
	Step from house Max. 8-1/4" w/o door swing over	R311.2.1	Appendix C Page C9
	Existing rim on sill with min. 3" bearing x 48 sq. in.	R502.6, R507.2 & R616.14	Figure 14
	Size => joist depth, min. 2 x 8 <i>(see approved plans)</i>	Table R507.2(e)	Figure 14
	Ground contact rated (AWPA UC4)	R317.1.2	Notes 4
	Flashing material min. 0.19" and detail	R703.8/Table R507.2(c)	Notes 11

	<b>While some treatment systems allow contact with aluminum, most aluminum manufacturers preclude use with treated lumber.</b>	Flashing Manufacturer's Specifications	Note 11
	Attachement edge distances & spacing	R507.2.1/Table R507.2	Figure 19 & Table 5
	Pilot holes for 1/2" dia.bolts = 5/16"	R317.3	Figure 20
	Bolts penetrate interior rim board by => 1/2"	Table R507.2(a)	Figure 20
	Lateral deck restraint system	R507.2.3/Figure R507.2.3	Figure 22 & 23
	Interior subfloor secured	R507.2.3/Figure R507.2.3	Figure 22 & 23
	<i>Alternate: May be secured from beneath with framing angles</i>	R104.11	Figure 22
	<b>Beams</b>		
	Ground contact rated (AWPA UC4)	R317.1.3/R317.2	Notes 4
	Size & number of plys ( <i>see approved plans</i> )	National Design Specification (NDS)	Table 3A/Figure 3
	Ply attachment #10 or 10d x 3" staggered @ 16" o.c.	National Design Specification (NDS)	Figure 4
	Location and spans ( <i>see approved plans</i> )	National Design Specification (NDS)	Table 3A
	Splices with min. 1-1/2" bearing	R502.6	-----
	<b>Joists</b>		
	Ground contact rated (AWPA UC4)	R317.1.3/R317.2	Notes 4
	Size and spacing ( <i>see approved plans</i> )	National Design Specification (NDS)	Table 2/Figure 1A, 1B & 2
	<i>For guard post attachment min. 2 x 8 Joists</i>	National Design Specification (NDS)	Figure 25
	Bridging/blocking @ 8' o.c. if joists > 2 x 12	R502.7.1	-----
	Proper connection to beam	R502.9 & TR602.3(1)	Figure 6
	Blocking (>= 60% depth) over beam when cantilevered > joist depth	R507.2 (2015 IRC R507.5.1)	Figure 21
	Lap joists min. 3"	R502.6.1	-----
	Min. 1-1/2" bearing or hangers	R502.6	-----
	Hangers rating & attachment	Mfg. Spec.	-----
	<i>2 x 6 = 400#, 2 x 8 = 500#, 2 x 10 = 600#, 2 x 12 = 700#</i>	-----	TABLE 3A
	Notches or holes in tolerance	R502.8.1	-----
	<b>Decking</b>		
	Decking connects to min. 3 joists	American Lumber Standard Committee	Decking Requirements
	Wood decking nominal 2" Pressure treated (AWPA UC3 or better)	R317.1.3	Notes 4
	or => 5/4" thick span rated per ALSC	American Lumber Standard Committee	Decking Requirements
	Decking spaced min. 1/8"	American Lumber Standard Committee	Decking Requirements
	Decking attachment min. (2) #8 x 2" @ each Joist	NDS	Decking Requirements
	Rim board connections #10 x 3" @ 6" o.c.	NDS	Figure 11
	Composite decking labeled meeting ASTM D 7032	R507.3	-----
	Diaphragm bracing with hidden fasteners if > 24" AFG	American Lumber Standard Committee	-----
	<b>Guards if Deck &gt; 30" AFG (@ 36" horizontal)</b>	<b>R312.1</b>	
	=> 36" above walking surface	R312.1.2	Figure 24
	Pressure treated material (AWPA UC3 or better)	R317.1.3	Notes 4
	Composite rails labeled meeting ASTM D 7032	R317.4.1/R507.3.1	-----
	Min. 4 x 4 @ <= 6' o.c. unless tested & labeled (min. 200# load)	Table R301.5	Figure 24
	Infill spacing & connections <= 4" ( min. 50# load)	Table R301.5	Figure 24
	Post connections ( <i>NO NOTCHES</i> )	National Design Specification (NDS)	Figure 24, 25 & 26
	<b>Stairs</b>		
	Ground contact rated (AWPA UC4)	R317.2	Notes 4
	Max. 12' between landings	R311.7.3	-----
	Landing min. 36" in travel direction (max. slope 1/4":12")	R311.7	-----
	Min. 36" wide above handrails	R311.7.1	-----
	Min. 6'-8" headroom	R311.7.2	-----
	Stringer spacing <= 18" o.c.	Table R301.5	Figure 29/Table 6
	Min. 2 x 12 Stringer w/ min. 5" uncut	National Design Specification (NDS)	Figure 28
	Stringer span - max. = 6' for cut or 13'-3" for solid	National Design Specification (NDS)	Figure 28
	Rise between 4" and 8-1/2", max. 3/8" deviation	R311.7.5.1	Figure 27 (revised)
	Run min. 9", Max. 3/8" deviation	R311.7.5.2	Figure 27 (revised)
	Nosing - overhang & profile	R311.7.5.3	Figure 27
	Riser openings < 4"	R311.7.5.3	Figure 27
	Min. 625# hangers @ outer stringers	-----	Figure 31
	Top of stringer bearing on rim board	-----	Figure 31
	Base of stringer secured	-----	Figure 34
	Frost protected footings @ base of stringers	R403	Figure 34
	<b>Guard @ Stairs &gt; 30" AFG (@ 36" horizontal)</b>	<b>R312.1</b>	
	=> 34" above slope between nosings	R312.1.2	Figure 30
	Composite rails labeled meeting ASTM D 7032	R507.3	-----

Min. 4 x 4 @ <= 6' o.c. unless tested & labeled (min. 200# load)	Table R301.5	Figure 30
Post connections	Table R301.5	Figure 24, 25 & 26
Triangle opening < 6"	R312.1.3	Figure 31
Infill spacing & connections <= 4-3/8" ( min. 50# load)	Table R301.5	Figure 30
<b>Handrails @ &gt;3 Risers</b>	<b>R311.7.8</b>	
Decay resistant material (AWPA UC3 or better)	R317.1.3	Notes 4
Composite meeting ASTM D 7032	R507.3	-----
Between 34-38"	R311.7.8.1	Figure 33
Graspable	R311.7.8.3	Figure 32A & 32B
Ends returned	R311.7.8.2	Figure 33
Mounting hardware corrosion resistant	R317.3.1E2	Page 22
<b>Electrical</b>		
Lighting @ top of landing controlled from inside	R303.7	Page 22
15 amp GFCI protected outlet w/cover <= 6'-6" above deck surface	R3901.7	-----
Protect wiring from physical damage ( <i>Sch. 80 conduit or as approved</i> )	R3802.3.2	-----
Overhead conductors >10' above walking surface	R3604.2.2	-----
Conductors >36" horizontally from deck	R3604.1	-----
<b>Safety Glazing (or approved alternative)</b>		
Within 60" of walking surface	R308.4.2	Appendix A/Figure A1
< 24" from doors	R308.4.2	Appendix A/Figure A1
Extending 36" at top and 60" at bottom of stairs	R308.4.6/R308.4.7	Appendix A/Figure A1
<i>Exception: protected with guard or stairs &gt; 18" from glazing</i>	R308.4.7E	Appendix A/Figure A1

## Additional Notes: