

# 2018 NEW CASTLE COUNTY DECK CHECKLIST

(2018 IRC)(NCC Chapter 6)

Rev 1/23/19

- |    | <u>Pass</u>              | <u>Corr</u>              | <u>N/A</u>               |  |  |
|----|--------------------------|--------------------------|--------------------------|--|--|
| 1. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>GENERAL</b>   |  |
|    |                          |                          |                          | <input type="checkbox"/> Permit displayed at worksite  | Ch 6 6.03.012(Q)                                     |
|    |                          |                          |                          | <input type="checkbox"/> Access provided to all areas to be inspected  | Ch 6 6.03.018(A, D)                                  |
|    |                          |                          |                          | <input type="checkbox"/> NCC approved, stamped building and L & G plans available at site  | Ch 6 6.03.013(B3a)                                   |
|    |                          |                          |                          | <input type="checkbox"/> All products shall be installed in accordance with their written manufacturer's installation instructions   |  |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>FOOTING INSPECTION</b>  |  |
|    |                          |                          |                          | <input type="checkbox"/> Footing inspection passed OR self-certification form and pictures provided  | Ch 6 6.03.017, Ch 6 6.03.018; IRC 507.3              |
|    |                          |                          |                          | <input type="checkbox"/> Footing under steps (required for 5 or more risers) per approved plan and minimum 12" diameter, (8" diameter allowed for 5 rise/4 step), 32" deep   | Ch 6 (T) R301.2 (1)<br>Ch 6 (T) 403.1, Ch 6 R403.1.1 |
|    |                          |                          |                          | <input type="checkbox"/> 4 rise/3 step is permitted to have pressure treated 2" x 10" lumber instead of footer   |  |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>STAIRS</b>  | IRC 311.5, 311.7                                     |
|    |                          |                          |                          | <input type="checkbox"/> Stairway clear width is 36" above handrail height, handrail encroachment maximum is 4 1/2" per side   | IRC 311.7.1  |
|    |                          |                          |                          | <input type="checkbox"/> Landings (not less than the width of the stairway served by 36" measured in the direction of travel) at the top and bottom of each stairway   | IRC 311.3, 311.7.6                                   |
|    |                          |                          |                          | <input type="checkbox"/> Depth is 10 inch minimum (9" with 1" nosing)  | IRC 311.7.5.3  |
|    |                          |                          |                          | • Greatest depth or projection in a single flight shall not exceed the smallest by more than 3/8"  |  |
|    |                          |                          |                          | <input type="checkbox"/> 7 3/4" maximum riser height   | IRC 311.7.5.1  |
|    |                          |                          |                          | • Greatest height In a single flight the shall not exceed the smallest by more than 3/8"   |  |
|    |                          |                          |                          | <input type="checkbox"/> All risers are closed to less than 4" opening when total rise extends 30" or more above grade, open risers are permitted for any stair tread not exceeding 30" above finished floor or grade below  | IRC 311.7.5.1  |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>RAMPS</b>   | IRC 311.8  |
|    |                          |                          |                          | <input type="checkbox"/> Maximum slope 1:12 (1:8 allowed with handrails when 1:12 is technically infeasible)   |  |
|    |                          |                          |                          | <input type="checkbox"/> 3 ft. by 3 ft. minimum size landings required at doors, top and bottom, and at change of direction  |  |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>HANDRAILS</b>   | IRC 311.7.8  |
|    |                          |                          |                          | <input type="checkbox"/> Required for stairs with 4 or more risers   |  |
|    |                          |                          |                          | <input type="checkbox"/> Meets graspable requirements (1 1/4" to 2" if circular, up to 2 3/4" if other shapes)   |  |
|    |                          |                          |                          | <input type="checkbox"/> Height minimum 34", maximum 38" measured at nose of tread   |  |
|    |                          |                          |                          | <input type="checkbox"/> Handrail is continuous and ends are returned or terminated in newel posts   |  |
| 6. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>GUARDRAILS</b>  | IRC 312  |
|    |                          |                          |                          | <input type="checkbox"/> Required in areas where floor surface is more than 30" above floor or grade below measured out 36" horizontally from the edge of the open side  |  |
|    |                          |                          |                          | <input type="checkbox"/> Meets 36" minimum height above raised floor surfaces and built in seating, 34" above the nosing of steps  |  |
|    |                          |                          |                          | <input type="checkbox"/> Do not allow passage of an object 4" in diameter, 4 3/8" on stairs, and 6" at triangular opening at riser, tread and rail   |  |
| 7. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>HANGERS AND LEDGERS</b>   | IRC 507.8, 507.9                                     |
|    |                          |                          |                          | <input type="checkbox"/> Hangers nailed properly   | per manufacturer's specs                             |
|    |                          |                          |                          | <input type="checkbox"/> Positively anchored to primary structure and must not be supported by a cantilever where positive connection cannot be verified during inspection, decks shall be self-supporting   | IRC 507.8  |
|    |                          |                          |                          | <input type="checkbox"/> Deck ledgers cannot be supported on stone or masonry veneer   | IRC 507.6.1  |
|    |                          |                          |                          | <input type="checkbox"/> Deck ledger is a minimum size of 2x8, 1/2" bolts shall be placed 2" from the top and bottom and top of the ledger and between 2" and 5" from the ends, staggered  | IRC 507.9, 507.9.1.3, (T) 507.2.3                    |
|    |                          |                          |                          | <input type="checkbox"/> Girders supporting deck joists are not be supported on a ledger or band joist   | IRC 507.9.1.1  |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>MISCELLANEOUS</b>   |  |
|    |                          |                          |                          | <input type="checkbox"/> Verify corrosion-resistant flashing installed between band and house where required   | IRC 703.4  |
|    |                          |                          |                          | <input type="checkbox"/> Lateral restraint required at ALL supports, and ALL decks require uplift protection   | IRC 507.8, 507.9.2, 507.6.2                          |
|    |                          |                          |                          | <input type="checkbox"/> Safety glazing required below 36" height at all landings, stairs and ramps and within 60" of hot tubs (exemption for protective rail at top landings and guards with balusters or infill panels at stairs/ramps when 18" or more horizontally from glazing, or rail is installed 34-38 inches above plane of stair ramp or landing) | IRC 308.4  |

Inspector: \_\_\_\_\_ Permit Number: \_\_\_\_\_

Date: \_\_\_\_\_ Inspection Results: Pass  Partial  Corrections Required