CITY OF ROCKVILLE
INSPECTION SERVICES DIVISION
RESIDENTIAL ADDITION

REVIEWED PLAN

Case Number: 20-0012-FTF

Address: 14204 Lily B Stone
Rockville, Maryland 20853

Reviewers: John Hughes
Jeff Gridley

INSPECTOR'S SET OF PLAN COMMENTS LISTED BELOW:

THE FOLLOWING ITEMS SHALL BE ADDRESSED BEFORE THE FIRST FOOTING INSPECTION CAN BE SCHEDULED. The approved plans will be required to be on-site, and to be available and accessible to the inspector. Any plans that are found to be incomplete will be rejected and the inspection will be cancelled. Please review all of the items listed below and check off each item to indicate that you have addressed the comment or have noted the detail/sheet where the comment may be found. Please feel free to contact the inspector assigned to your project if you have any questions. PLEASE CONTACT US TO SCHEDULE/CANCEL/RESCHEDULE INSPECTIONS.

Comply with all code's abolement requirements that are appropriate for use type of foundation construction.

Exterior foundation walls enclosing habitable, useable or storage space below grade shall be waterproofed with a membrane extending from the base of the footing to the finished grade line. Foundation walls may be waterproofed using approved methods of construction where approved by the building official. (R406.2) (Ref Fig R406.2)

Foundation and footing construction shall be capable of accommodating all loads according to (SEC. 1604.8) and transmitting the resulting loads to the supporting soil. (R403.1.1) Footings shall be placed on undisturbed natural soil or engineered fill. (R403.1.7) Footings shall be placed below the depth of frost penetration. (R403.1.4.1) Footings shall be stepped where transmitting the resulting load to the supporting materials. Width of stepped footing construction shall be designed and constructed in accordance with (R403) and Figure (R403.1.5) and (R403.1.5) (R403.1.5.1) (R403.1.5.2)

Concrete footings shall be designed and constructed to safely support the imposed dead and live loads in accordance with (R403.1.1) and (R403.1.3.1) and shall be placed on undisturbed natural soil or engineered fill. (R403.1.7) Footings shall be placed below the depth of frost penetration. (R403.1.4.1) Footings shall be stepped where transmitting the resulting load to the supporting materials. Width of stepped footing construction shall be designed and constructed in accordance with (R403) and Figure (R403.1.5) and (R403.1.5) (R403.1.5.1) (R403.1.5.2)

All wood in contact with the ground, embedded in concrete in direct contact with the ground or embedded in concrete exposed to the weather that supports permanent structures intended for human occupancy shall be preservative-treated wood suitable for ground contact use. (R317.1) (R317.1.1) (R317.1.2)

Concrete slab-on-ground floors shall be a minimum of 3.5 inches thick. The top 4 inches beneath the finished floor shall have all vegetable matter and foreign material removed. (R506.2.1) Concrete slab-on-ground floors shall be placed on the prepared soil or gravel fill as specified on grade plan but not to below 2 feet. An approved vapor barrier with joints lapped not less than 6 inches shall be placed between the concrete floor slab and the base material. Any floor-penetrating pipes where applicable must be sleeved. (R506.2.3) (R506.2.3.1)

Engineered wall and floor systems shall be designed in accordance with accepted engineering practice. All components shall be braced to prevent rotation and provide adequate support for vertical and lateral loads. Calculations and framing plans shall be submitted to the building official for approval before any framing inspections. Truss drawings shall be submitted to the building official for approval before any framing inspections. (R802.10.1)

Wall framing shall be in accordance with (R301.5) and Table R602.3(1) (2) (Wood), (R308.6) (Glass).
A stairwell for interior access shall be provided between the framing between wall panels located over a below floor, see specified to R602.10.4, (R308.6.9)

Roof/ceiling framing shall be designed to resist uplift pressures of 20 pounds per square foot or greater, shall have roof rafters or ceiling joists attached to opposing wall (R802.11) and shall be framed with ceiling joists or rafter ties. (R802.3.1) (R802.3.1.1) (R802.3.1.2) (R802.3.1.3) (R802.3.1.4)

Habitable rooms, hallways, corridors, bathrooms, toilet rooms, laundry rooms and basements shall have a ceiling height of not less than 7 feet. The required height shall be measured from the finished floor to the lowest projection from the ceiling. (R305.1) (R305.1.1) (R305.1.2)

Basements, habitable attics and every sleeping room shall be provided with windows for natural ventilation and emergency escape purposes. These basement windows are to meet the requirements of (R310.1) (R310.1.1) (R310.1.2) (R310.1.3) (R310.1.4) (R310.2) (R310.2.1) (R310.2.2) (R310.2.3) (R310.2.4) (R310.2.5) (R310.2.6) (R310.2.7) (R310.2.8) (R310.2.9) (R310.2.10) (R310.2.11) (R310.2.12) (R310.2.13) (R310.2.14) (R310.2.15) (R310.2.16) (R310.2.17) (R310.2.18) (R310.2.19) (R310.2.20) (R310.2.21) (R310.2.22) (R310.2.23) (R310.2.24) (R310.2.25) (R310.2.26) (R310.2.27) (R310.2.28) (R310.2.29) (R310.2.30) (R310.2.31) (R310.2.32) (R310.2.33) (R310.2.34) (R310.2.35) (R310.2.36) (R310.2.37) (R310.2.38) (R310.2.39) (R310.2.40) (R310.2.41) (R310.2.42) (R310.2.43) (R310.2.44) (R310.2.45) (R310.2.46) (R310.2.47) (R310.2.48) (R310.2.49) (R310.2.50) (R310.2.51) (R310.2.52) (R310.2.53) (R310.2.54) (R310.2.55) (R310.2.56) (R310.2.57) (R310.2.58) (R310.2.59) (R310.2.60) (R310.2.61) (R310.2.62) (R310.2.63) (R310.2.64) (R310.2.65) (R310.2.66) (R310.2.67) (R310.2.68) (R310.2.69) (R310.2.70) (R310.2.71) (R310.2.72) (R310.2.73) (R310.2.74) 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(R310.2.1000)

Comply with all code's abolement requirements that are appropriate for use type of foundation construction.

Exterior foundation walls enclosing habitable, useable or storage space below grade shall be waterproofed with a membrane extending from the base of the footing to the finished grade line. Foundation walls may be waterproofed using approved methods of construction where approved by the building official. (R406.2) (Ref Fig R406.2)

Foundation and footing construction shall be capable of accommodating all loads according to (SEC. 1604.8) and transmitting the resulting loads to the supporting soil. (R403.1.1) Footings shall be placed on undisturbed natural soil or engineered fill. (R403.1.7) Footings shall be placed below the depth of frost penetration. (R403.1.4.1) Footings shall be stepped where transmitting the resulting load to the supporting materials. Width of stepped footing construction shall be designed and constructed in accordance with (R403) and Figure (R403.1.5) and (R403.1.5) (R403.1.5.1) (R403.1.5.2)

Concrete footings shall be designed and constructed to safely support the imposed dead and live loads in accordance with (R403.1.1) and (R403.1.3.1) and shall be placed on undisturbed natural soil or engineered fill. (R403.1.7) Footings shall be placed below the depth of frost penetration. (R403.1.4.1) Footings shall be stepped where transmitting the resulting load to the supporting materials. Width of stepped footing construction shall be designed and constructed in accordance with (R403) and Figure (R403.1.5) and (R403.1.5) (R403.1.5.1) (R403.1.5.2)

All wood in contact with the ground, embedded in concrete in direct contact with the ground or embedded in concrete exposed to the weather that supports permanent structures intended for human occupancy shall be preservative-treated wood suitable for ground contact use. (R317.1) (R317.1.1) (R317.1.2)

Concrete slab-on-ground floors shall be a minimum of 3.5 inches thick. The top 4 inches beneath the finished floor shall have all vegetable matter and foreign material removed. (R506.2.1) Concrete slab-on-ground floors shall be placed on the prepared soil or gravel fill as specified on grade plan but not to below 2 feet. An approved vapor barrier with joints lapped not less than 6 inches shall be placed between the concrete floor slab and the base material. Any floor-penetrating pipes where applicable must be sleeved. (R506.2.3) (R506.2.3.1)

Engineered wall and floor systems shall be designed in accordance with accepted engineering practice. All components shall be braced to prevent rotation and provide adequate support for vertical and lateral loads. Calculations and framing plans shall be submitted to the building official for approval before any framing inspections. Truss drawings shall be submitted to the building official for approval before any framing inspections. (R802.10.1)

Wall framing shall be in accordance with (R301.5) and Table R602.3(1) (2) (Wood), (R308.6) (Glass).
A stairwell for interior access shall be provided between the framing between wall panels located over a below floor, see specified to R602.10.4, (R308.6.9)

Roof/ceiling framing shall be designed to resist uplift pressures of 20 pounds per square foot or greater, shall have roof rafters or ceiling joists attached to opposing wall (R802.11) and shall be framed with ceiling joists or rafter ties. (R802.3.1) (R802.3.1.1) (R802.3.1.2) (R802.3.1.3) (R802.3.1.4)

Habitable rooms, hallways, corridors, bathrooms, toilet rooms, laundry rooms and basements shall have a ceiling height of not less than 7 feet. The required height shall be measured from the finished floor to the lowest projection from the ceiling. (R305.1) (R305.1.1) (R305.1.2)

Basements, habitable attics and every sleeping room shall be provided with windows for natural ventilation and emergency escape purposes. These basement windows are to meet the requirements of (R310.1) (R310.1.1) (R310.1.2) (R310.1.3) (R310.1.4) (R310.2) (R310.2.1) (R310.2.2) (R310.2.3) (R310.2.4) (R310.2.5) (R310.2.6) (R310.2.7) (R310.2.8) (R310.2.9) (R310.2.10) (R310.2.11) (R310.2.12) (R310.2.13) (R310.2.14) (R310.2.15) (R310.2.16) (R310.2.17) (R310.2.18) (R310.2.19) (R310.2.20) (R310.2.21) (R310.2.22) (R310.2.23) (R310.2.24) (R310.2.25) (R310.2.26) (R310.2.27) (R310.2.28) (R310.2.29) (R310.2.30) (R310.2.31) (R310.2.32) (R310.2.33) (R310.2.34) (R310.2.35) (R310.2.36) (R310.2.37) (R310.2.38) (R310.2.39) (R310.2.40) (R310.2.41) (R310.2.42) (R310.2.43) (R310.2.44) (R310.2.45) (R310.2.46) (R310.2.47) (R310.2.48) (R310.2.49) (R310.2.50) (R310.2.51) (R310.2.52) (R310.2.53) (R310.2.54) (R310.2.55) (R310.2.56) (R310.2.57) (R310.2.58) (R310.2.59) (R310.2.60) (R310.2.61) (R310.2.62) (R310.2.63) (R310.2.64) (R310.2.65) (R310.2.66) (R310.2.67) (R310.2.68) (R310.2.69) (R310.2.70) (R310.2.71) (R310.2.72) (R310.2.73) (R310.2.74) 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