District No. 1 - Ronald Williams District No. 2 - Dewey Weaver District No. 3 - Jody DuPree District No. 4 - Stephen E. Bailey District No. 5 - Scarlet P. Frisina



# BOARD OF COUNTY COMMISSIONERS . COLUMBIA COUNTY

27351

## MEMO OF REVIEW FOR CORRECTNESS AND COMPLETION

| The attached   | elevation cert  | ificated is somelat  | rections by the surveyor of seand correct.  we marked sections by the a  |  | •   | ior to     |
|--|---|--|--|--|---|------------|
| A4 D III -   |   | SEC  | TION A - PROPERTY INFORM   | MATION   | For Income of C   |            |
| A1. Building Owner's Nan   | ne To e   |  | THE R. P. LEWIS CO., LANSING, MICH. 49-14039-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1   |  | For Insurance Com<br>Policy Number  | pany Use:  |
| A2. Building Street Addre  | ss (including Ap  | t. Unit Suite and/or F   | Marcella Loung   | e  |   |            |
|  |   |  | one in P.O. Route and Box 1  | No.  | Company NAIC Nur  | nber       |
| City   |   |  | State  |  | 710.0-1   |            |
| A3. Property Description (   | Lot and Block N   | umbers Tex Desectiv  | umber, Legal Description, etc.)  |  | ZIP Code  |            |
|  | 5-15-   | 0/439 - 6  | umber, Legal Description, etc.)  |  |   |            |
|  |   |  |  |  | *   |            |
| A4. Building Use (e.g., Re   | sidential, Non-R  | esidential, Addition, A  | ccessory, etc.)  |  | 5   |            |
| A5. Latitude/Longitude: La   | t   | Lor  | g  | Horizontal   | Datum: NAD 1927   | Пис        |
| A7. Building Diagram Num   | graphs of the hi  | uilding if the Certificate   | g.<br>is being used to obtain flood insu   | rance.   | Sardin.   NAD 1927  | ☐ NAD 1983 |
| A8. For a building with a cr   |   |  |  |  |   |            |
| a) Square rootage of   | crawl space or e  | enclosure/e)   | A9. For a t  | ouilding with an atta  | ached garage, provide:  |            |
| <ul> <li>No. of permanent f</li> </ul>   | lood openings in  | the crowd space  | sq n a) Sq   | uare rootage of att  | ached garage  | sq ft      |
| enclosura/a) walla   |   |  |  |  |   |            |
| circlosule(s) walls  | within 1.0 foot a   | hove adjacent grade  | b) No  | . of permanent floo  | od onenings in the attache  | 4          |
| c) Total net area of flo   | within 1.0 foot a   | hove adjacent grade  | b) No  | of permanent floo<br>lls within 1.0 foot a   | od openings in the attache  | d garage   |
| c) Total net area of flo   | within 1.0 foot a<br>ood openings in  | bove adjacent grade _<br>A8.b  | b) No wa   | of permanent floo<br>ils within 1.0 foot a<br>tal net area of flood  | od openings in the attache<br>bove adjacent grade<br>I openings in A9.b                             | d garage   |
| c) Total het area of no  | within 1.0 foot a<br>good openings in<br>SEC  | A8.b   | b) No wa   | of permanent floo<br>ils within 1.0 foot a<br>tal net area of flood  | od openings in the attache<br>bove adjacent grade<br>I openings in A9.b                             | d garage   |
| c) Total het area of no  | within 1.0 foot a<br>good openings in<br>SEC  | A8.b   | sq in c) Tol   | of permanent floo<br>ils within 1.0 foot a<br>tal net area of flood  | od openings in the attache<br>bove adjacent grade<br>d openings in A9.b                             | d garage   |
| c) Total net area of no  | within 1.0 foot a<br>good openings in<br>SEC  | A8.b   | b) No wa   | of permanent floo<br>ils within 1.0 foot a<br>tal net area of flood  | od openings in the attache<br>bove adjacent grade<br>I openings in A9.b                             | d garage   |
| 91. NFIP Community Name  | within 1.0 foot a cod openings in SEC & Community N                                   | bove adjacent grade  | sq in c) Tol   | of permanent flood ils within 1.0 foot a tal net area of flood   | od openings in the attached bove adjacent grade   | d garage   |
| 31. NFIP Community Name  | within 1.0 foot a<br>good openings in<br>SEC  | A8.b   | sq in c) Tol  NSURANCE RATE MAP (FIRM 32. County Name  B7. FIRM Panel  | of permanent floot at all net area of flood  IIS within 1.0 foot at at all net area of flood  IIS INFORMATIO | d openings in the attache bove adjacent grade for openings in A9.b  B3. State  B9. Base Flood Elevi | sq in      |
| 31. NFIP Community Name  | within 1.0 foot a good openings in SEC & Community N                                  | TION B - FLOOD II  lumber E  B6. FIRM Index Date   | sq in c) Tol  NSURANCE RATE MAP (FIRI  32. County Name  B7. FIRM Panel Effective/Revised Date  | B8. Flood Zone(s)  | od openings in the attache<br>bove adjacent grade<br>d openings in A9.b                             | sq in      |
| B1. NFIP Community Name B4. Map/Panel Number  D. Indicate the source of the  | within 1.0 foot a good openings in SEC & Community N                                  | TION B - FLOOD II  lumber E  B6. FIRM Index Date   | sq in c) Tol  NSURANCE RATE MAP (FIRI  32. County Name  B7. FIRM Panel Effective/Revised Date  | B8. Flood Zone(s)  | d openings in the attache bove adjacent grade for openings in A9.b  B3. State  B9. Base Flood Elevi | sq in      |
| B1. NFIP Community Name  B4. Map/Panel Number  D. Indicate the source of the   | SEC  & Community N  B5. Suffix  The Base Flood E  FIRM                                | TION B - FLOOD IN  Lumber E  B6. FIRM Index Date   | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  | d openings in the attache bove adjacent grade for openings in A9.b  B3. State  B9. Base Flood Elevi | sq in      |
| B1. NFIP Community Name  B4. Map/Panel Number  D. Indicate the source of the FIS Profile   | & Community N  B5. Suffix  B88e Flood E  FIRM   | TION B - FLOOD IN  Section 18 - FLOOD IN  B6. FIRM Index Date  Section 18 - FLOOD IN  Date  Section 18 - FLOOD IN  Date In Item 18 - FLOOD IN  Date Item 18 - FLOO | sq in c) Tole was compared to the compared to  | B8. Flood Zone(s)  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  0. Indicate the source of the FIS Profile 1. Indicate elevation datum  | & Community N  B5. Suffix  B8. Suffix  B8. Suffix  B8. Suffix  B8. Suffix  B8. Suffix | TION B - FLOOD IN  Lumber E  B6. FIRM Index Date  Levation (BFE) data or  Community Determine  | sq in c) Tole was compared to the compared to  | B8. Flood Zone(s)  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  0. Indicate the source of the FIS Profile  | & Community N  B5. Suffix  B8. Suffix  B8. Suffix  B8. Suffix  B8. Suffix  B8. Suffix | TION B - FLOOD IN  Lumber E  B6. FIRM Index Date  Levation (BFE) data or  Community Determine  | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  O. Indicate the source of the FIS Profile 1. Indicate elevation datum Designation Date                                     | B5. Suffix  B Base Flood E FIRM  used for BFE in a Coastal Barri                      | B6. FIRM Index Date    Several of the several of th | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe) _ ted Area (OPA)?  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B1. NFIP Community Name  B4. Map/Panel Number  D. Indicate the source of the FIS Profile [1.]  Indicate elevation datum to Designation Date [1.] | B5. Suffix  B Base Flood E FIRM  used for BFE in a Coastal Barri                      | TION B - FLOOD IN  Lumber E  B6. FIRM Index Date  Levation (BFE) data or  Community Determine  | sq in c) Tol wa wa sq in c) Tol was sq i | B8. Flood Zone(s)  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  O. Indicate the source of the FIS Profile 1. Indicate elevation datum Designation Date                                     | B5. Suffix  B Base Flood E FIRM  Used for BFE in a Coastal Barri                      | B6. FIRM Index Date    Several of the several of th | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe) _ ted Area (OPA)?  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B1. NFIP Community Name  B4. Map/Panel Number  D. Indicate the source of the FIS Profile [1.]  Indicate elevation datum to Designation Date [1.] | B5. Suffix  B Base Flood E FIRM  Used for BFE in a Coastal Barri                      | B6. FIRM Index Date    Several of the several of th | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe) _ ted Area (OPA)?  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B1. NFIP Community Name  B4. Map/Panel Number  D. Indicate the source of the FIS Profile [1.]  Indicate elevation datum to Designation Date [1.] | B5. Suffix  B Base Flood E FIRM  Used for BFE in a Coastal Barri                      | B6. FIRM Index Date    Several of the several of th | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe) _ ted Area (OPA)?  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  O. Indicate the source of the FIS Profile 1. Indicate elevation datum Designation Date                                     | B5. Suffix  B Base Flood E FIRM  Used for BFE in a Coastal Barri                      | B6. FIRM Index Date    Several of the several of th | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe) _ ted Area (OPA)?  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  0. Indicate the source of the FIS Profile 1. Indicate elevation datum Designation Date                                     | B5. Suffix  B Base Flood E FIRM  Used for BFE in a Coastal Barri                      | B6. FIRM Index Date    Several of the several of th | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe) _ ted Area (OPA)?  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  0. Indicate the source of the FIS Profile 1. Indicate elevation datum Designation Date                                     | B5. Suffix  B Base Flood E FIRM  Used for BFE in a Coastal Barri                      | B6. FIRM Index Date    Several of the several of th | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe) _ ted Area (OPA)?  | B9. Base Flood Elevi AO, use base flo   | sq in      |
| B4. Map/Panel Number  O. Indicate the source of the FIS Profile 1. Indicate elevation datum Designation Date                                     | B5. Suffix  B Base Flood E FIRM  Used for BFE in a Coastal Barri                      | B6. FIRM Index Date  Bevation (BFE) data or Community Determine In Item B9: NGVD er Resources System   | sq in c) Tole was sq in c) Tol | B8. Flood Zone(s)  Other (Describe)  ted Area (OPA)?   | B9. Base Flood Elevi AO, use base flo   | sq in      |

27351

### U.S. DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

## **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expires February 28, 2009

| National Flood Insurance Pro   | ogram  | important  | . Read the   | instructions   | on pag   | ges 1-8.   |   |
|--|--|--|--|--|--|--|---|
|  |  | SEC  | TION A - PR  | OPERTY IN  | FORMA  | ATION  | For Insurance Company Use:  |
|  |  |  |  |  | Policy Number  |  |   |
| A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  223 SW LISA LANE  |  |  |  |  | Company NAIC Number  |  |   |
| City FT. WHITE S   | tate FL ZIP (  | Code 32038   |  |  |  |  |   |
| A3. Property Description (   | Lot and Block Nu   | mbers, Tax Parcel I  | Number, Legal  | Description,   | etc.)  |  |   |
| LOT 5 WILSON ACRES U   |  |  |  |  |  | NTY,FL.  |   |
| A4. Building Use (e.g., Re   |  |  | National Control of the Control of t | .) RESIDEN   | ITIAL  |  |   |
| A5. Latitude/Longitude: La<br>A6. Attach at least 2 photo  |  |  | The state of the s | d to obtain fle  | od incur   |  | Datum: ☐ NAD 1927 ☒ NAD 1983  |
| A7. Building Diagram Num   |  | numg if the Certifica  | ite is being use   | d to obtain in   | ou ilisui  | ance.  |   |
| A8. For a building with a cra  |  |  | 2022 2020  |  |  |  |   |
| <ul> <li>a) Square footage of c</li> <li>b) No. of permanent flo</li> </ul>  |  |  | NA sq  | t  |  |  |   |
| enclosure(s) walls w   |  |  | NA   |  |  |  |   |
| c) Total net area of floo  |  |  | NA sq ir   |  |  |  |   |
| <ul><li>A9. For a building with an<br/>a) Square footage of</li></ul>  |  |  | sq ft  |  |  |  |   |
| b) No. of permanent  |  | A STATE OF THE PARTY OF THE PAR |  |  |  |  |   |
| walls within 1.0 foo   |  |  |  |  |  |  |   |
| c) Total net area of fl  | THE RESIDENCE OF THE PARTY OF T | TION B - FLOOD   | NA sq i  | Control of the Contro | D /EIDM  | IN INFORMATIO  | ON.   |
| B1. NFIP Community Name  |  |  | B2. County N   |  | (1.11/14)  | I) IN OKWATIC  | B3. State   |
| COLUMBIA UNINCORPO   | RATED 1200700  | 255  | COLUMBIA   | umo  |  |  | FLORIDA   |
| B4. Map/Panel Number   | B5. Suffix   | B6. FIRM Index   | B7   | . FIRM Panel   |  | B8. Flood  | B9. Base Flood Elevation(s) (Zone   |
| 1200 700 255   | В  | Date<br>JAN. 6, 1988   |  | ive/Revised D<br>AN. 6, 1988   | ate  | Zone(s)<br>AE  | AO, use base flood depth)<br>35 FEET  |
| B10. Indicate the source of  | the Base Flood E   | Elevation (BFE) data   | or base flood  | depth entered  | d in Item  | B9.  |   |
| ☐ FIS Profile  |  | ☐ Community Dete   |  | Other (D   |  |  |   |
| <ul> <li>B11. Indicate elevation datu</li> <li>B12. Is the building located</li> <li>Designation Date</li> </ul>   |  |  | IGVD 1929<br>em (CBRS) are<br>☐ CBRS   | NAVD 19 ☐<br>ea or Otherwis  | se Protec  | Other (Describ<br>cted Area (OPA)?   |   |
|  | SECTIO   | N C - BUILDING   | ELEVATION  | INFORMAT   | TON (S   | URVEY REQUI  | IRED)   |
| C1. Building elevations are<br>*A new Elevation Certifi  | based on:  | Construction Dra   |  |  |  | Construction*  | ☑ Finished Construction   |
|  | A30, AE, AH, A (   | with BFE), VE, V1-1  | /30, V (with Bi  |  |  | , AR/A1-A30, AR  | Z/AH, AR/AO. Complete Items C2.a-g  |
| Benchmark Utilized S/  | AF 20 Vertical I   | Datum NGVD 1929  | 9  |  |  |  |   |
| Conversion/Comments  | Alexandra Alexandra and Alexan |  |  |  | 11 12 12 12 12 12 12 12 12 12 12 12 12 1   |  | Check the measurement used  |
| a) Top of bottom floor (incl   |  | crawl space, or end  | closure floor)_  | 36.0   |  | t meters (Pue  | [2] (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)   |
| <ul><li>b) Top of the next hig</li><li>c) Bottom of the lowe</li></ul>   |  | ctural member (V Z   | ones only)   | NA.  |  | t ☐ meters (Pue<br>t ☐ meters (Pue   | (2) 12 (1) 12 ( |
| d) Attached garage (t  |  | otarai member (* 2   | ones omy)  | NA.  |  | t meters (Pu   |   |
| e) Lowest elevation o  |  | quipment servicing t   | he building  | <u>NA</u> .  | AND SHAPE OF THE STATE OF THE S | t 🔲 meters (Pue  |   |
| (Describe type of e  | S S  |  |  | 20.5   | N 600  |  | anta Dian anta  |
| <ul> <li>f) Lowest adjacent (fing)</li> <li>g) Highest adjacent (final final final</li></ul> | (E. E.)  |  |  | 32.5<br>32.9   |  | t ☐ meters (Pue<br>t ☐ meters (Pue   | T.  |
| g/ Tilgilost adjacont (i   |  | ON D - SURVEYO   | R, ENGINEE   | THE RESERVE OF THE PERSON NAMED IN   | THE RESERVE AND ADDRESS OF THE PERSON.   | The state of the s |   |
| This certification is to be signiformation. I certify that the I understand that any false   | gned and sealed<br>ne information on   | by a land surveyor,<br>this Certificate repr   | engineer, or a   | rchitect autho   | rized by<br>erpret the   | law to certify eleve<br>e data available.  | vation  |
|  |  |  | - Jp.iooiiii   |  |  | .,   | 1   |
| Certifier's Name WILLIAM   |  | n back of form.  |  | License No   | ımber 5  | 400  | PLACE   |
|  | e-managed and a state of the st |  |  | Personal Property of   | 30.73 (VA SOC 1134)  |  | SEAL  |
| Title PROFESSIONAL SU  | JRVEYOR AND I  | MAPPER Co  | mpany Name   | WILLIAM N.   | KITCHE   | EN, P.S.M.   | A HERE  |
| Address 152 N. MARION AVENUE City LAKE CITY State FL ZIP Code 32055  |  |  |  |  | The Start of a   |  |   |
| Signature  | . Khen   | Date OCTOBER 1   | 10, 2008 Te  | elephone 386   | 3-755-77   | 86   |   |

| IMPORTANT: In these spaces, or   | opy the corresponding inform  | ation from   | Section A.  |  | For Insurance Company Use:   |
|--|---|--|---|--|--|
| Building Street Address (including Apt. 223 SW LISA LANE   | , Unit, Suite, and/or Bldg. No.) or P.C   | ). Route and   | Box No.   |  | Policy Number  |
| City FT. WHITE State FL ZIP C  | ode 32038   | 12   |   | (  | Company NAIC Number  |
| SECTION  | D - SURVEYOR, ENGINEER, O   | R ARCHITE  | CT CERTIFICAT   | ON (CONTI  | NUED)  |
| Copy both sides of this Elevation Certification  | ficate for (1) community official, (2) in   | surance ager   | nt/company, and (3)   | building owne  | ır.  |
| Comments. C. e = AC NOT INSTALLI   | ED . AC to be installed one foot above  | e 100 year flo   | ood.  | -  |  |
|  |   |  |   |  |  |
| Signature William  | 11 State  | Date 1   | 0/10/2008   |  | ☐ Check here if attachments  |
| SECTION E - BUILDING ELE   | VATION INFORMATION (SURVE   | Y NOT RE   | QUIRED) FOR ZO  | NE AO ANI  | ZONE A (WITHOUT BFE)   |
| For Zones AO and A (without BFE), co<br>and C. For Items E1-E4, use natural g  | omplete Items E1-E5. If the Certificat<br>grade, if available. Check the measu  | te is intended<br>rement used.   | to support a LOMA<br>In Puerto Rico only  | or LOMR-F re<br>, enter meters   | equest, complete Sections A, B, s.   |
| b) Top of bottom floor (including E2. For Building Diagrams 6-8 with p   | basement, crawl space, or enclosure basement, crawl space, or enclosure basement, crawl space, or enclosure bermanent flood openings provided in of the building is feet _ meters d/or equipment servicing the building | ) is<br>) is<br>Section A Ite<br>meters [<br>above or<br>is  | ☐ feet ☐ meters ☐ feet ☐ meters ms 8 and/or 9 (see grade) above or ☐ below below the HAG. ☐ feet ☐ meters ☐ | above or abo | r below the HAG. r below the LAG. ructions), the next higher floor   |
| 그 그들은 경기가 되는 그 소개를 다 하게 되었다면 하는 사람들이 되었다면 하는 것이 되었다. 그 것이 되었다면 하는 것이 없는 것이 없는 것이 없다면 하는 것이 없다면 하는 것이 없다면 없다면 하는 것이 없 | ☐ Unknown. The local official must  |  |   |  | minumity s noodplain management  |
|  | F - PROPERTY OWNER (OR O  | Control of the Contro | AND REAL PROPERTY AND PERSONS ASSESSED.   |  | ATION  |
| The property owner or owner's authoriz or Zone AO must sign here. The state  |   |  |   |  | -issued or community-issued BFE)   |
| Property Owner's or Owner's Authorize  | d Representative's Name   |  | 7   |  | The state of the s |
| Address  |   | City   | × =   | State  | ZIP Code   |
| Signature  |   | Date   |   | Telephone  |  |
| Comments   |   |  | · e   |  |  |
|  |   |  |   |  | ☐ Check here if attachments  |
|  | SECTION G - COMMUNIT  | THE RESERVE OF THE PARTY OF THE |   |  |  |
| The local official who is authorized by la<br>E), and G of this Elevation Certificate. C   | Complete the applicable item(s) and s   | ign below. C   | heck the measurem   | ent used in Ite  | ems G8. and G9.  |
|  | was taken from other documentation t<br>rtify elevation information. (Indicate t  |  |   |  |  |
|  | d Section E for a building located in 2   |  |   |  | ssued BFE) or Zone AO.   |
| G3. The following information (Item  | ns G4G9.) is provided for communit  | y floodplain n   | nanagement purpose  | es.  |  |
| G4. Permit Number  | G5. Date Permit Issued  |  | G6. Date Certificat   | e Of Complia   | nce/Occupancy Issued   |
| G7. This permit has been issued for:   | ☐ New Construction ☐ Sul  | bstantial Impi   | ovement   |  |  |
| G8. Elevation of as-built lowest floor (inc  | luding basement) of the building:   | feet   | meters (PR) Da  | tum  |  |
| G9. BFE or (in Zone AO) depth of floodi  | ng at the building site:  |  | meters (PR) Da  | tum  |  |
| Local Official's Name  |   | Title  |   |  |  |
| Community Name   |   |  | phone   |  |  |
| Signature  |   | Date   |   |  |  |
| Comments   |   |  |   |  |  |

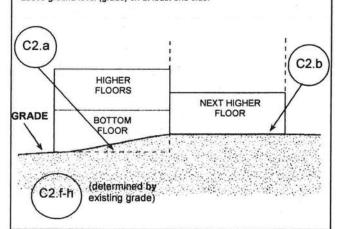
16. . . .

☐ Check here if attachments

#### **DIAGRAM 3**

All split-level buildings that are slab-on-grade, either detached or row type (e.g., townhouses); with or without attached garage.

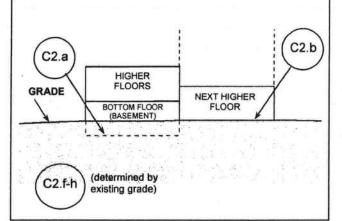
Distinguishing Feature – The bottom floor (excluding garage) is at or above ground level (grade) on at least one side.\*



#### **DIAGRAM 4**

All split-level buildings (other than slab-on-grade), either detached or row type (e.g., townhouses); with or without attached garage.

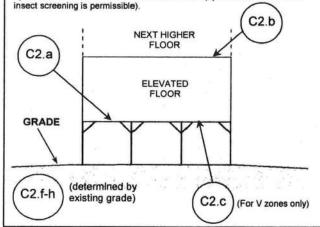
Distinguishing Feature – The bottom floor (basement or underground garage) is below ground level (grade) on all sides.\*



#### **DIAGRAM 5**

All buildings elevated on piers, posts, piles, columns, or parallel shear walls. No obstructions below the elevated floor.

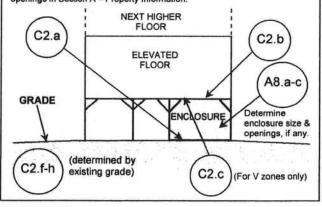
Distinguishing Feature – For all zones, the area below the elevated floor is open, with no obstruction to flow of flood waters (open lattice work and/or insect screening is permissible).



#### **DIAGRAM 6**

All buildings elevated on piers, posts, piles, columns, or parallel shear walls with full or partial enclosure below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings\*\* present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.



- \* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.
- \*\* An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of two openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than one square inch for every square foot of area enclosed, excluding any bars, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the International Code Council Evaluation Service (ICC ES) must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least two sides of the enclosed area. If a building has more than one enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than one foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.