

# ELEVATION CERTIFICATE<sup>1</sup>

## ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

**ATTENTION:** This form is used only to provide elevation information necessary to ensure compliance with applicable National Flood Insurance Program Regulation, Orange County floodplain management ordinances and/or to support a request for a Letter of Map Amendment or Revision (LOMA or LOMR). It does not provide a waiver of the flood insurance purchase requirement.

### SECTION A PROPERTY INFORMATION

BUILDING OWNER'S NAME: AirTouch Cellular SITE DEVELOPMENT PERMIT NO. PA940171  
NR950024  
STREET ADDRESS (or P.O. Route and Box Number) 3171 Old Irvine Blvd.  
OTHER DESCRIPTION (Lot and Block Numbers, etc.) IRS65-325 AP#10436027  
CITY Irvine STATE CA ZIP CODE 92720

### SECTION B: FEMA FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Provide the following information from the appropriate FIRM

1. Community Number 060212 ✓ 2. Panel Number 0039 3. Suffix E  
4. Effective Date 9/15/95 5. FIRM Zone A 6. Base Flood Elevation \_\_\_\_\_  
( Use depth in AO Zones)  
7. Indicate the elevation datum system used on the FIRM for Base Flood Elevations(BFE):  
X National Geodetic Vertical Datum of 1929 (NGVD '29)  
\_\_\_\_\_ Other (attach a description)  
8. For Zones A or V, where no BFE is provided on the FIRM, and the County of Orange has established a BFE for this building site, indicate the County's BFE: 130.0 feet NGVD (or other FIRM datum- see Section B, Item 7).

### SECTION C: BUILDING ELEVATION INFORMATION

1. Using pages 3 and 4, indicate the diagram number that best describes the subject building's reference level 1.  
2. a) FIRM Zones A1-A30, AE, AH, and A (with BFE). The top of the reference level floor from the selected diagram is at an elevation of 131.0 feet NGVD (or other FIRM datum-see Section B, Item 7)  
b) FIRM Zones V1-V30, VE, and V (with BFE). The bottom of the lowest horizontal structural member of the reference level from the selected diagram, is at an elevation of \_\_\_\_\_ feet NGVD (or other FIRM datum-see Section B, Item 7).  
c) FIRM Zone A (without BFE). The floor used as the reference level from the selected diagram is \_\_\_\_\_ feet above \_\_\_ or below \_\_\_ (check one) the highest grade adjacent to the building.  
d) FIRM Zone AO. The floor used as the reference level from the selected diagram is \_\_\_\_\_ feet above \_\_\_ or below \_\_\_ (check one) the highest grade adjacent to the building.  
3. Indicate the elevation datum system used in determining the above reference level elevations:  
X NGVD '29 \_\_\_\_\_ Other. (NOTE: If the elevation datum used in measuring the elevations is different from that used on the FIRM (see Section B, Item 7), then convert the elevations to the datum system used on the FIRM and attach the conversion equation .)  
4. Elevation reference mark used appears on FIRM: \_\_\_ Yes \_\_\_ No BM 3E-79-71  
5. The elevation of the lowest grade immediately adjacent to the building is 128.0 feet NGVD

<sup>1</sup> This form is modified from Federal Emergency Management Agency's Form 81-31, May 90.)  
FEMA's zones A, A1 to A30, AE, AH and AO correspond to County's Zones FP-1 and FP-2.  
FEMA's zones V, VE and V1 to V30 correspond to County's zone FP-3.



## SECTION D: PRECONSTRUCTION CERTIFICATION

I certify that the information on this certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CIVIL ENGINEER'S NAME STEPHEN B. PETER LICENSE NUMBER 38643

TITLE PRESIDENT COMPANY NAME PETER & ASSOC.

ADDRESS 1519 CALLE VALLE CITY SAN CLEMENTE STATE CA ZIP 92612

SIGNATURE SP DATE 10-3-95 PHONE (714) 442-3735



## SECTION E: POST-CONSTRUCTION CERTIFICATION

I certify that the information on this certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under U.S. Code, Section 1001.

CIVIL ENGINEER'S NAME Stephen B. Peter LICENSE NUMBER 38643

TITLE President COMPANY NAME Peter & Assoc.

ADDRESS 1519 Calle Valle CITY San Clemente STATE CA ZIP 92612

SIGNATURE SP DATE 11-16-95 PHONE (714) 442-3735



### BOXES ARE FOR USE BY ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY ONLY

This Certificate is Required for all buildings Located within Flood Plain Zones FP-1, FP-2 and FP-3.

Current Planning Division-Public Counter  
Section A has been completed by applicant.

[Signature] 10/4/95  
Signature and Date

Development Services Division - Building Plan  
Check

Section C has been completed by applicant.

Albri Engle 10-12-95

Building Inspection Division forwards  
completed form to Flood Program Division.  
Section E has been completed by applicant  
prior to issuance of Certification of Use and  
Occupancy

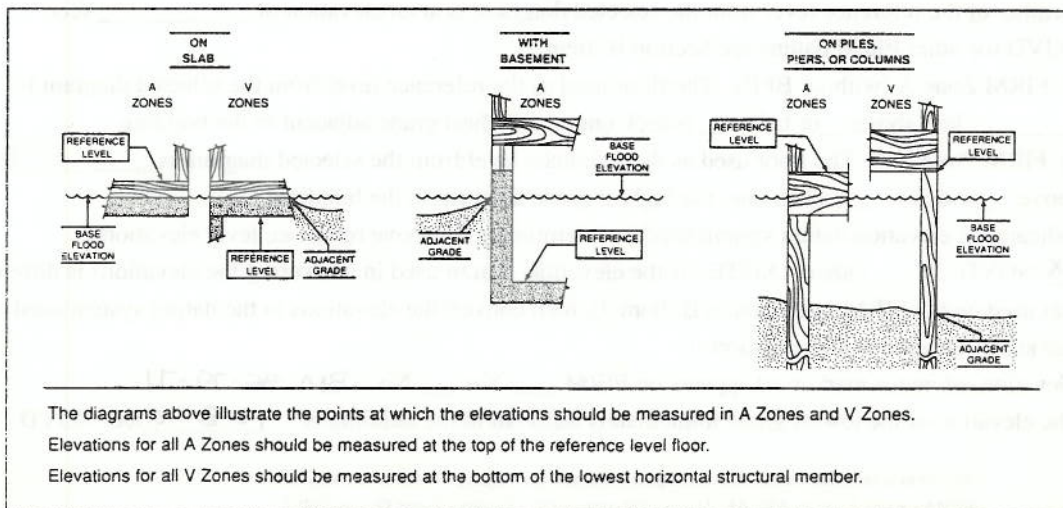
Kyle Selden 11-16-95  
Signature and Date

Current Planning Division-Site Planning  
Sections A to D have been completed by  
applicant prior to issuance of Site Development  
Permit.

[Signature] 10/4/95  
Signature and Date

Subdivision Division for FP-1 and FP-2  
Development Services Division-Grading for FP-3  
Sections B to D have been completed by applicant.

Robert Young 10/4/95  
Signature and Date





## INSTRUCTIONS

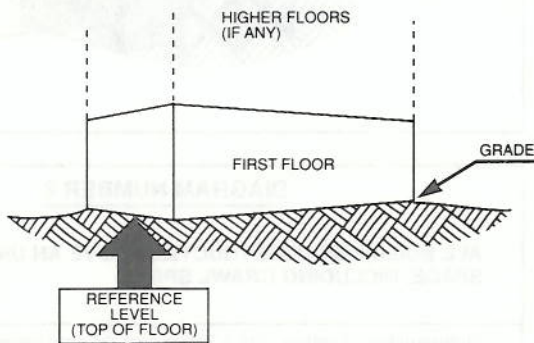
The following 8 diagrams contain descriptions of various types of buildings. Compare the features of your building with those shown in the diagrams and select the diagram most applicable. Indicate the diagram number in Section C, Item 1 and complete the Certificate. The reference level floor is that level of the building used for underwriting purposes.

NOTE: In all A Zones, the reference level is the top of the lowest floor; in V Zones the reference level is the bottom of the lowest horizontal structural member (see diagram on page 2). Agents should refer to the Flood Insurance Manual for instruction on lowest floor definition.

**DIAGRAM NUMBER 1**

**ALL SINGLE AND MULTIPLE FLOOR BUILDINGS (OTHER THAN SPLIT LEVEL), INCLUDING MANUFACTURED (MOBILE) HOUSING AND HIGH RISE BUILDINGS, EITHER DETACHED OR ROW TYPE (E.G., TOWNHOUSE, ETC.); WITH OR WITHOUT ATTACHED GARAGE.**

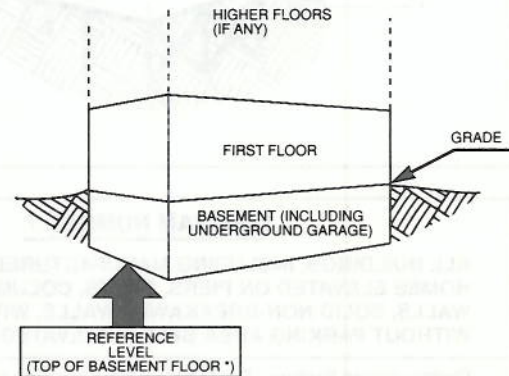
**Distinguishing Feature** - The first floor is *not* below ground level (grade) on *all* sides\*. This includes "walkout" basements, where at least one side is at or above grade. (Not illustrated)



**DIAGRAM NUMBER 2**

**ALL SINGLE AND MULTIPLE FLOOR BUILDINGS (OTHER THAN SPLIT LEVEL), INCLUDING MANUFACTURED (MOBILE) HOUSING AND HIGH RISE BUILDINGS, EITHER DETACHED OR ROW TYPE (E.G., TOWNHOUSES, ETC.); WITH OR WITHOUT ATTACHED GARAGE.**

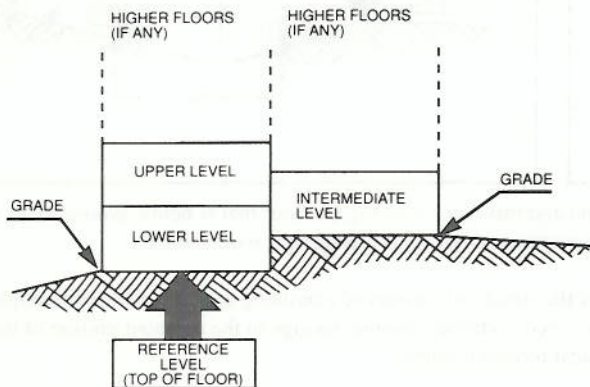
**Distinguishing Feature** - The first floor or basement (including an underground garage\*) is below ground level (grade) on *all* sides\*.



**DIAGRAM NUMBER 3**

**ALL SPLIT LEVEL BUILDINGS, EITHER DETACHED OR ROW TYPE (E.G., TOWNHOUSES, ETC.); WITH OR WITHOUT ATTACHED GARAGE.**

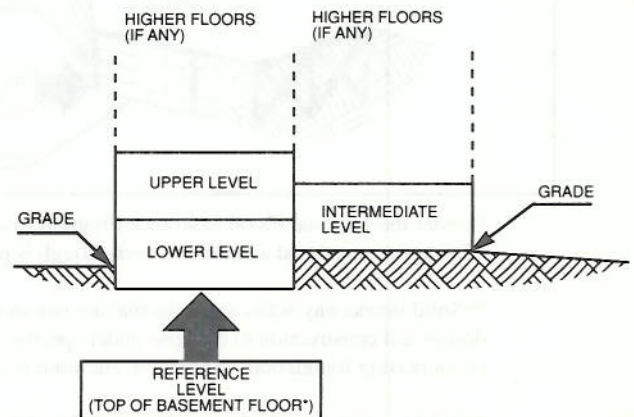
**Distinguishing Feature** - The lower level is *not* below ground level (grade) on *all* sides\*. This includes "walkout" basements, where at least one side is at or above grade.



**DIAGRAM NUMBER 4**

**ALL SPLIT LEVEL BUILDINGS, EITHER DETACHED OR ROW TYPE (E.G., TOWNHOUSES, ETC.); WITH OR WITHOUT ATTACHED GARAGE.**

**Distinguishing Feature** - The lower level (or intermediate level) is below ground level (grade) on *all* sides\*.



\*Under the National Flood Insurance Program's risk classification and insurance coverage, a floor that is below ground level (grade) on all sides is considered a basement even though the floor is used for living purposes, or as an office, garage, workshop, etc.

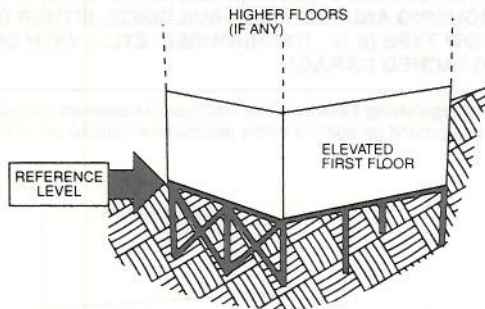


Note: In all A Zones, the reference level is the top of the lowest floor; in V Zones the reference level is the bottom of the lowest horizontal structural member (see diagram on page 2). Agents should refer to the Flood Insurance Manual for instruction on lowest floor definition.

#### DIAGRAM NUMBER 5

**ALL BUILDINGS, INCLUDING MANUFACTURED (MOBILE) HOMES ELEVATED ON PIERS, POSTS, COLUMNS, SHEAR WALLS, WITH OR WITHOUT PARKING AREA BELOW ELEVATED FLOOR.**

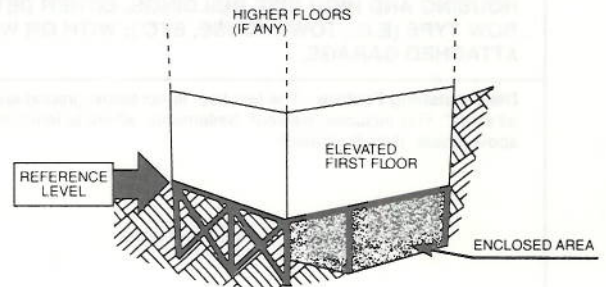
**Distinguishing Feature** - For all zones, the area below the elevated floor is open, with no obstruction to the flow of flood waters (open wood lattice work or readily removable insect screening is permissible).



#### DIAGRAM NUMBER 6

**ALL BUILDINGS, INCLUDING MANUFACTURED (MOBILE) HOMES ELEVATED ON PIERS, POSTS, COLUMNS, SHEAR WALLS, WITH OR WITHOUT PARKING AREA BELOW ELEVATED FLOOR.**

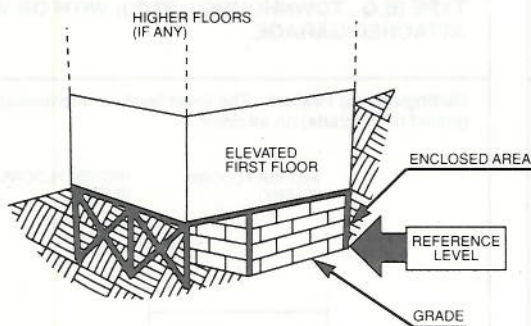
**Distinguishing Feature** - For V Zones only, the area below the elevated floor is enclosed, either partially or fully, by solid breakaway walls.\*\* When enclosed area is greater than 300 square feet or contains equipment servicing the building, use Diagram Number 7; this will result in a higher insurance rate. The enclosed area can be used for parking, building access or limited storage.



#### DIAGRAM NUMBER 7

**ALL BUILDINGS, INCLUDING MANUFACTURED (MOBILE) HOMES ELEVATED ON PIERS, POSTS, COLUMNS, SHEAR WALLS, SOLID NON-BREAKAWAY WALLS, WITH OR WITHOUT PARKING AREA BELOW ELEVATED FLOOR.**

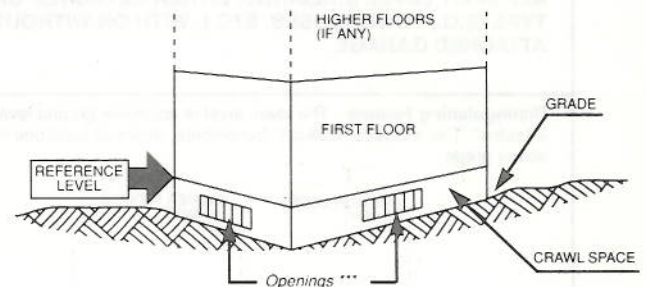
**Distinguishing Feature** - For all zones, the area below the elevated floor is enclosed, either partially or fully, by solid non-breakaway walls, or contains equipment servicing the building. For V Zones only, the area is enclosed, either partially or fully, by solid breakaway walls\*\* having an enclosed area greater than 300 square feet. For A Zones only, with an area enclosed by solid walls having proper openings\*\*\* and used only for parking, building access, or limited storage, use Diagram Number 8 to determine the reference level.



#### DIAGRAM NUMBER 8

**ALL BUILDINGS CONSTRUCTED ABOVE AN UNFINISHED SPACE, INCLUDING CRAWL SPACE.**

**Distinguishing Feature** - For A Zones only, the area below the first floor is enclosed by solid or partial perimeter walls, is unfinished, and contains no equipment servicing the structure. The area can be used for parking, building access, or limited storage.



\*Under the National Flood Insurance Program's risk classification and insurance coverage, a floor that is below ground level (grade) on all sides is considered a basement even though is used for living purposes, or as an office, garage, workshop, etc.

\*\*Solid breakaway walls are walls that are not an integral part of the structural support of a building and are intended through their design and construction to collapse under specific lateral loading forces, without causing damage to the elevated portion of the building or supporting foundation. An area so enclosed is not secure against forceable entry.

\*\*\*If the area below the lowest floor is fully enclosed, FEMA requires a minimum of two openings with a total net area of at least one square inch for every square foot of area enclosed with the bottom of the openings no more than one foot above grade. Alternatively, certification may be provided by a registered professional engineer that the design will allow equalization of hydrostatic flood forces on exterior walls. If neither of these criteria are met, then the reference level is the lowest grade adjacent to the structure.

7144728122

RBF IRVINE #1

F-529 T-139 P-002/006 SEP 28 '95 11:46

*Robert Bein, William Frost & Associates*

PROFESSIONAL ENGINEERS, PLANNERS &amp; SURVEYORS

September 28, 1995

JN 31534

Mr. Robert Taylor  
JM Consulting Group, Inc.  
3820 State Street  
Santa Barbara, CA 93105

Subject: Air Touch Cellular Greenway Cell Site - Floodplain Water Surface Elevations

Dear Mr. Taylor:

In response to your September 20 memo (attached), and based on the site location provided with that memo, RBF has identified the water surface elevation that the subject site would experience during the 100-year flood under existing conditions. The water surface elevation is projected to be in the vicinity where the cell site is proposed. It is this water surface elevation of 130.0 that should be utilized in determining the appropriate pad elevation to assure flood protection.

This water surface information is based on the U.S. Army Corps of Engineers HEC-2 water surface profile computer model for natural conditions that was prepared as part of the Conditional Letter of Map Revisions (CLOMR) Application for the Peter's Canyon Channel initially submitted to Orange County EMA in July of 1995 and resubmitted September 22, 1995.

Should you have any questions or require further information, please call.

Sincerely,



Mike Erickson  
Associate  
Land Development/Transportation

cc: Mike Padian, TIC  
Bob Santos, TIC

ME/go:airtouch



7/20/95

LICENSED LAND SURVEYOR  
PATRICIA A. PIKE  
No. LS 5170  
Exp. 6/30/99  
STATE OF CALIFORNIA

*Fatura A Phe*  
P. A. PIKE, PLS 5170

AirTouch Cellular Site GREENWAY  
OLD IRVINE BLVD,  
COUNTY OF ORANGE, CA

