

**AO ZONE DESIGN CERTIFICATE***[Reproduce the signed document on the title page of the construction documents]*

Building Address: \_\_\_\_\_

Permit No. \_\_\_\_\_ City Newport Beach State CA Zip Code \_\_\_\_\_**SECTION I: Flood Insurance Rate Map (FIRM) Information**Community No. 060227 Panel No. \_\_\_\_\_ Suffix \_\_\_\_\_ FIRM Date \_\_\_\_\_ FIRM Zone(s) \_\_\_\_\_**SECTION II: Elevation Information Used for Design****[NOTE: This section documents the elevations required in the design – it is based on topographic survey elevations and is not equivalent to a FEMA form “Elevation Certificate” required to be submitted, reviewed and approved during and after construction for projects located within a Special Flood Hazard Area (SFHA).]**

1. Topographic Survey created by Surveyor (Print Name) \_\_\_\_\_
2. Surveyor's License number \_\_\_\_\_
3. Date on Topographic Survey \_\_\_\_\_
4. Existing site's Highest Adjacent Grade (HAG) within the SFHA..... feet NAVD88
5. Existing site's Lowest Adjacent Grade (LAG) within the SFHA..... feet NAVD88
6. Site determined Base Flood Elevation (BFE)..... feet NAVD88
7. Flood Design Class (ASCE 24 Table 1-1).....
8. Design Flood Elevation (DFE)(ASCE 24 Table 2-1/Not less than 9.0ft NAVD88). feet NAVD88
9. Elevation of proposed Highest Adjacent Grade (HAG)..... feet NAVD88
10. Elevation of proposed Lowest Adjacent Grade (LAG) ..... feet NAVD88
11. Proposed Garage area..... square feet
12. Proposed garage flood vent area..... square feet

**SECTION III: AO Zone Design Certification Statement**

I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction for the above-referenced building and (2) that the design and methods of construction specified to be used are in accordance with ASCE 24 as accepted standards for meeting the following provisions:

- The top of the concrete slab and stem walls for the lowest floor are elevated above the BFE per ASCE 24 Table 2-1 and they are not less than the Community's minimum DFE of 9.0 feet NAVD88; and
- Flood vents are designed with specifications and details incorporated within the construction documents are compliant with the National Flood Insurance Program (NFIP) and ASCE 24 section 2.7.

**SECTION IV: Certification and Seal**

I certify this AO Zone Design Certification.

Certifier's Name \_\_\_\_\_ License Number \_\_\_\_\_

Title \_\_\_\_\_ Company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Phone \_\_\_\_\_

Place Stamp Here

**Note:** The AO Zone design certificate is not a substitute for the NFIP Elevation Certificate which is required to certify as-built elevations needed for flood insurance rating. This certification must be signed by the design professional of record for the flood mitigation design.