City of Homer
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Planning
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FLOOD HAZARD AREA DEVELOPMENT PERMIT APPLICATION
Fee: $200

Applicant's Name:_____ Phone:_____ Email:_____

Lead contact person:_____ Phone:_____ Email:_____

Mailing address:_____ Mobile Phone:_____ Fax:_____

FEMA Community Number: 020107 Panel Number:_____ Suffix:_____ Date of FIRM:

Flood Zone Circle One: AO A AE VE X Project Address: _____

Tax Parcel ID: KPB_____ Legal:_____

Describe proposed work: *(Attach additional documentation if needed)* _____

_____

_____

_____

Circle all that apply:

Residential	Non-Residential
New structure	New subdivision/Platting Action
Addition/Substantial Improvements	Excavation or fill
Manufactured home placement	Watercourse alteration
Mobile home park	Road construction
Private Lot	Utility
Replacement/Remodel and Repair	Flood Damage repair

IF applicable:

Status of Coastal Project Review?_____

Status of Army Corps of Engineers permit?_____

Status of Fish and Game (DFG)?_____

Does the structure have a basement? Yes/No

Is watercourse altered? *If yes, submit written description based on HCC 21.41.090(e).* Yes/No

*All applications require a Site Plan using **NAVD88** and showing:*

Location, dimensions, and elevations of the property located in the floodplain.
North arrow
Scale
Name of adjacent roads.
Driveway location.
Location of streams, lakes and Critical Habitat Areas (*below the Mean High Tide Line at 17.4 ft*.).
Building setback distance from lot lines, include decks and stairways.
Existing or proposed structures.
Location of parking and snow storage.
Location where materials and fuels are stored.
Location of drainage facilities.
Proposed elevation of the **Lowest Floor, Including Basements/Crawl Spaces** of all structures.
Proposed elevation of all machinery serving the structure including furnaces, hot-water heaters, ductwork and utility meters.
Base Flood Elevation (BFE)
Flood-proofing methods certified by a registered engineer or architect. Location and dimensions of existing and proposed sewage systems.
Location, elevation and anchoring methods of all fuel tanks.
Location of fencing and erosion control structures.

STANDARDS FOR ALL FLOOD ZONES HCC 21.41.200

a. Are all improvements anchored to prevent flotation, collapse or lateral movement? Yes/No

b. Will all materials and utility equipment used be resistant to flood damage? Yes/No

Describe method:_____

UTILITIES FOR ALL FLOOD ZONES HCC 21.41.200(c)

1. Are new and replacement water and sewer systems designated to minimize and eliminate infiltration of flood waters? Yes/No

2. Is new or replacement sanitary sewage system designed to minimize or eliminate discharge from system floodwaters? Yes/No

3. Is the waste disposal system located to avoid contamination during flooding? Yes/No

SUBDIVISIONS ONLY HCC 21.41.200(d) Total acreage: _____ Number of lots: _____

1. Does proposal minimize potential flood damage? Yes/No
2. Are utilities and facilities designed to minimize flood damage? Yes/No
3. Is adequate drainage provided? Yes/No
4. Is base flood elevation data provided on plat for subdivisions with 50 lots or 5 acres, whichever is less? Yes/No

Is the site reasonably safe from flooding? HCC 21.41.200(e) Yes/No

RESIDENTIAL CONSTRUCTION WITH BFE'S ONLY HCC 21.41.220(a) BFE __ ft

1. Elevation of the Lowest Floor, including basement must be **BFE+1 or more.** Lowest Floor __ ft

Fully enclosed areas below the lowest floor that are subject to flooding are PROHIBITED OR:

a. Are enclosed areas below the lowest floor designed by an engineer to equalize hydrostatic flood forces? Yes/No

b. Are enclosed areas below the lowest floor used solely for parking, access, or storage? Yes/No

c. Do enclosed areas below the lowest floor have at least two openings with a net area of at least 1 square inch for every square foot of enclosed area? Yes/No

d. Do the enclosed areas below the lowest floor have all openings no higher than one foot above grade? Yes/No

e. Are the openings equipped with screens that permit free flow of flood waters or engineered flood vents? Yes/No

NON RESIDENTIAL CONSTRUCTION WITH BFE'S ONLY HCC 21.41.220(b)

1. Elevation of the lowest floor, including basement. BFE __ ft
   Consider BFE +1 to reduce future insurance premiums.

OR, together with utilities and sanitation:

a. The areas below the BFE are flood proofed and capable of resisting hydrostatic and hydrodynamic loads and buoyancy. Yes/No

b. The design is certified by a registered engineer. Yes/No

c. If the areas below the BFE is not flood proofed see HCC 21.41.220(a) above for fully enclosed areas. Yes/No

d. The applicant is aware that flood insurance premiums will be higher. Yes/No

MANUFACTURED HOMES ONLY HCC 21.41.220(c) & 250(h) BFE __ ft

1. Elevation of the lowest floor must be **BFE +1 or more**. BFE+1 or more __ ft

2. The manufactured home is anchored to a permanent foundation with over-the-top and frame-ties connect to ground anchors. Yes/No

RV's ONLY HCC 21.41.220(d) & 250(i) . BFE __ ft

1. On site fewer than 180 consecutive days? Yes/No
2. Licensed and ready for road travel. Yes/No
3. Ready to unplug and drive-away with no permanent attachments. Yes/No

   OR meet Manufactured Homes standards (above).

AO ZONES ONLY: SHALLOW FLOODING DEPTHS OF 1-3 FEET, HCC 21.41.240 requires that the lowest floor (including basements) be elevated above the highest grade adjacent (HAG) to the building, one foot or more above the depth number specified on the FIRM.

1. RESIDENTIAL
   a. Depth number specified on the FIRM. For example AO (3). FIRM Depth ___ft
   b. What is the Highest Adjacent Grade to the proposed building? (HAG) HAG ___ft
   c. The elevation of the lowest floor (including basement) must be one foot or more above the FIRM Depth with reference to the HAG. Lowest floor ___ft
   d. Do drainage paths guide flood water away from structures? Yes/No

2. NON-RESIDENTIAL. Same as (a-d) above OR:
   a. Is the structure and utilities watertight and certified by an engineer? Yes/No

V (Velocity) ZONE-COASTAL HIGH HAZARD AREAS ONLY HCC 21.41.250 BFE __ ft

1. Elevation of bottom of lowest horizontal structural member. BFE+1 or more __ ft
2. Elevation of Lowest Adjacent Grade (LAG) LAG ___ ft
3. Elevation of Highest Adjacent Grade (HAG) HAG ___ ft
4. LAG at lowest elevation of deck or stairs, including structural support. LAG ___ ft
5. The pile or column foundation and structure are anchored to resist flotation, collapse, or lateral movement to 1% chance event? Yes/No
6. Is all construction located landward of mean high tide (MHT) Yes/No
7. The space below the lowest floor is free of obstruction. Yes/No
   If no, see Breakaway Wall per HCC 21.41.250(e-f).
8. Is fill being placed in the VE zone? Yes/No
   If yes, how will the fill be used _____.

   Fill used for structural support is prohibited, HCC 21.41.250.

9. How many cubic yards of fill? ____cy. Elevation of natural grade _____ft. Fill elevation ____ft
10. No fill will be used for structural support. True/False

V ZONE – BREAKAWAY REQUIREMENTS FOR WALLS BELOW THE LOWEST FLOOR HCC 21.41.250(e-f)

1. The breakaway walls have a safe load resistance of lot less than 10 and no more than 20 lbs per square foot. HCC 21.41.250(e) Yes/No

2. The breakaway walls shall collapse from water load less than that of a base flood event. HCC 21.41.250(e)(1) Yes/No

3. If breakaway walls are used, enclosed areas to be used solely for parking, building access or storage. No living quarters. HCC 21.41.250(f) Yes/No

The applicant and engineer must certify that the project meets the Floodplain Hazard regulations HCC 21.41. This application will be followed by an Elevation Certificate PRIOR to permanent foundation work. A POST construction final Elevation Certificate is required within 30 days of occupancy.

Applicant's signature: _____

Signature: _____ Date: _____

SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

HCC 21.41.230(a) All encroachments, including fill, new construction, substantial improvements, and other development, are prohibited unless certification by a registered professional engineer or architect is provided demonstrating that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge.

I certify that the information on this application represents my best efforts to interpret the data available and meets the intent of HCC 21.41. I understand that any false statements may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Certifier's Name _____License Number _____State: Alaska

Title _____Company Name _____

Address _____City _____. Alaska. 99____.

Telephone:_____ Fax: _____Email: _____

Signature _____ (*Stamp)*

V-Zone Certification: Foundation Design & Anchoring Certification

(*Must be certified by a registered professional engineer or architect, authorized by law to certify such information.)*

I certify that I have developed or reviewed the structural design, plans, and specifications for construction and that the proposed design and methods of construction are in accordance with accepted standards of practice for meeting the following provisions:

(i) The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to or above the Base Flood Elevation; and

(ii) The pile or column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement, due to the effects of wind and water loads acting simultaneously on all building components. Water loading values shall be those associated with the base flood. Wind loading values shall be those required by the applicable State or local building standards. The potential erosion and scour at the foundation have been incorporated in design for conditions associated with the base flood, including wave action.

V-Zone Certification: Breakaway Wall Design Certification

(*Must be certified by a registered professional engineer or architect, authorized by law to certify such information*.)

I certify that I have developed or reviewed the design, plans, and specifications for construction and that the proposed design and methods of construction to be used for the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:

(i) Breakaway walls shall collapse under wind and water loads less than those that would occur during the base flood; and

(ii) The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, and other structural damage due to the effects of wind and water loads acting simultaneously on all structural and nonstructural building components (wind and water loading values to be used are defined in Section 4).

FINAL SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (*Attach Elevation Certificates*)

I certify that the information represents my best efforts to interpret the data available and meets the intent of HCC 21.41. I understand that any false statements may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Certifier's Name _____License Number _____

Title _____Company Name _____

Address _____City _____. Alaska. 99____.

Signature _____ (*Stamp)*