PILCH LAND SURVEYING
P.O. Box 641
Willow, AK 99688
907-495-6611

Paul Polenski
526 N. Lane
Anchorage, AK 99508

September 18, 2003

Survey Services:

Lot Survey – Locate Corner Lot 5 Block 2 Friday Homestead Subdivision

Balance Due: $250.00

STEELMASTER BUILDINGS, LLC
Economy - Quality - Service
National Headquarters - 1023 Laskin Road, Suite 109 . Virginia Beach, VA 23451
Nationwide Toll Free: 1-800-341-7007 . Fax 757-491-3358 . www.SteelMasterUSA.com

Buyer's Name Paul Palinski Address 526 N. Lane

City Anchorage State AK Zip 99508 Phone: (H) 907-276-4639 (W)

Cellular Phone Buyer Email: County ANCHORAGE

Ship to same as above ☐ or PORT IN ANCHORAGE

Model X30-18 approx. specifications: Width 30' Length 44' Center Height 18'

Type of Foundation (Check One) : Key Way X C-Channel Industrial Base Other Arch Gauge 20

MATERIALS	YES/NO	QUANTITY	SPECIAL INSTRUCTIONS
Arches	Y	22	Galvalume Plus™ 30 Year Warranty
Front Endwall	N	0	
Sliding Door W H	N	0	
Rear Endwall	N	0	
Sliding Door W H	N	0	
Service Door W H	N	0	End ☐ Side ☐ Complete ☐ Frame Only ☐ Lockset ☐ No Lockset ☐
Trim Kits	Y	2	Included
Fiberglass Skylight Roof	N	0	Color Oz 0
Circular Vents or Adapters	N	0	
Nuts, Bolts, Washers	Y	1	Complete Set Grade 8.2
Anchor Bolts	N	0	
Engineered Blueprints	Y	3	State Stamped AK
Construction Manual	Y	1	Included
Construction Kit	Y	1	Included

Building Price	$13,945.00
Freight/Drop Fee	INCLUDED
Engineered Blueprints	INC ~~$950.00~~
Warranty	INC ~~$420.00~~
Tax	NOT COLLECTED
Total Price	$13,945.00
Deposit (50%)	$3,500.00
Balance	$10,445.00

Approximate Shipping Date Sept. 2006

ALL CHECKS MADE PAYABLE TO STEELMASTER BUILDINGS

Balance to be Paid on Delivery by Certified or Cashier's Check Only

This offer made by the Buyer above named to SteelMaster Buildings, LLC (Seller) shall constitute an agreement binding upon Seller only when accepted by Seller's authorized officer. The representative of the Seller preparing this Sales Agreement is not an officer of the Seller and not authorized to accept this offer of the Buyer. If this offer is not accepted by the Seller, its only obligation hereunder shall be to return Buyer's deposit.

SELLER AND BUYER AGREE THAT SELLER SHALL HAVE NO RESPONSIBILITY OR LIABILITY WHATSOEVER FOR THE ERECTION OF THE STRUCTURE OR STRUCTURES WHICH ARE THE SUBJECT OF THIS AGREEMENT OR FOR THE SELECTION OF A CONTRACTOR TO ERECT THE STRUCTURE OR STRUCTURES. THAT SELLER SHALL BE UNDER NO LIABILITY WHATSOEVER TO BUYER FOR ANY LOSS OR DAMAGE SUSTAINED BY BUYER AS A RESULT OF OR IN CONNECTION WITH THE ERECTION OF THE BUILDING. THE CONCRETE WORK IN CONNECTION WITH THE ERECTION OF THE BUILDING, AND SOIL CONDITIONS OF THE SITE. BUYER HEREBY RELEASES SELLER FROM ALL CLAIMS, DAMAGES, EXPENSES, AND LIABILITIES OF EVERY KIND AND NATURE ARISING OUT OF THE ERECTION OF THE BUILDING, THE CONCRETE WORK IN CONNECTION WITH THE ERECTION OF THE BUILDING, AND SOIL CONDITIONS OF THE SITE WHETHER DONE BY BUYER OR A THIRD PARTY.

This order is subject to price increases if delivery of building is more than 30 days after approximate shipping date.

THIS ORDER IS SUBJECT TO THE TERMS AND CONDITIONS ON THE FACE AND PAGE TWO HEREOF INCLUDING THOSE LIMITING WARRANTIES AND REMEDIES READ BEFORE SIGNING

Buyer hereby acknowledges receipt of a completed copy of this agreement and agrees to all the terms herein contained, including the terms on page two hereof.

Buyer is responsible for all applicable sales taxes, customs duties, and other charges for the importation of any buildings, regardless of whether such charges are set forth in this contract.

Buyer may not issue instructions to delay manufacture and/or shipment of the material.

Buyer must pay Dealer balance due prior to buyer unloading building material.

Buyer agrees that this agreement constitutes a custom order and all sales are final. This deposit shall not be returned to Buyer except in the event of a material breach of this Contract by Seller.

BUILDING EXPOSURE (Initial)

PARTIALLY EXPOSED ☐ FULLY EXPOSED ☐ SHELTERED ☐

Explanations on reverse side

CATEGORY 1 ☐ CUSTOMER INSTALLED ENDWALLS

CATEGORY 2 ☐ (Initial)

CATEGORY 3 ☐ FRONT WALL ☐ REAR WALL ☐

(Initial)

(X) _____ (X) 9-14-06
BUYER DATE

REPRESENTATIVE

ACCEPTED BY SELLER THIS _____ DAY OF _____ 20____

BY

ITS AUTHORIZED OFFICER

PROPOSAL

Mike Weldon
841-1915

PROPOSAL NO.	
SHEET NO.	
DATE	

PROPOSAL SUBMITTED TO:

NAME Paul Palenski

ADDRESS 536 No. Lane

Anchorage 99508

PHONE NO.

WORK TO BE PERFORMED AT:

ADDRESS Willow Creek

DATE OF PLANS

ARCHITECT

We hereby propose to furnish the materials and perform the labor necessary for the completion of

* Excavate, Set up post footing And steel Bldg. footing as per plans.

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a substantial workmanlike manner for the sum of

Six Thousand three hundred Eighty dollar. Dollars ($ 6380.00)

with payments to be made as follows:

Received — 3200.00

Respectfully submitted Mike Weldon

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control.

Per

Paul Palenski

Note - This proposal may be withdrawn by us if not accepted within _____ days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature

Date Signature

PROPOSAL

Alaska
Rim
Engineering, Inc.

Phone (907) 745-0222
Fax (907) 746-0222
akrim@rogershsa.com

P.O. Box 2749
Palmer, Alaska 99645

September 6, 2006

Mr. Ken Hudson, Chief
Code Compliance
Matanuska-Susitna Borough
350 East Dahlia Street
Palmer, Alaska 99645

RE: Flood Plain Development Permit Application
Lot 5, Block 2, Friday Homestead Subdivision
Client: Paul Pilinski
Alaska Rim Engineering, Inc. File No. 06-00855

Dear Mr. Hudson:

A BFE for the property has been determined as shown on the Elevation Certificate as 289.0 MSL. The area proposed for development is below the BFE and in the Special Hazard Area as shown on the enclosed copy of a portion of FEMA Firm Panel 7965.

Our client proposed to construct a 30' x 44' steel shop building and driveway on the subject property. The building will be constructed on a 50' x 60' pad with the top of the pad 2 feet above the Base Flood Elevation (BFE). The pad will be constructed from onsite materials and no fill will be imported to the lot. The foundation for the structure will be a concrete footer supported by concrete piling on 5' centers. The building will be utilized for equipment and boat storage. All electrical outlets and junction boxes and any heating system will be installed at Elevation 291.0 or higher. A 24" culvert will be installed under the driveway to maintain drainage flow.

In accordance with Borough Code, all construction will be of new materials and equipment resistant to flood damage, utilizing methods and practices which minimize flood damage.

We have attached a drawing to the application with the location of the proposed improvements.

All proposed improvements are within the MSB setback requirements from property lines and water bodies and are not located in any easement.

There will not be any rise in the BFE as a result of this proposed development.

The material being submitted is intended to represent a complete application package for the development permit. If you need additional information, please contact me.

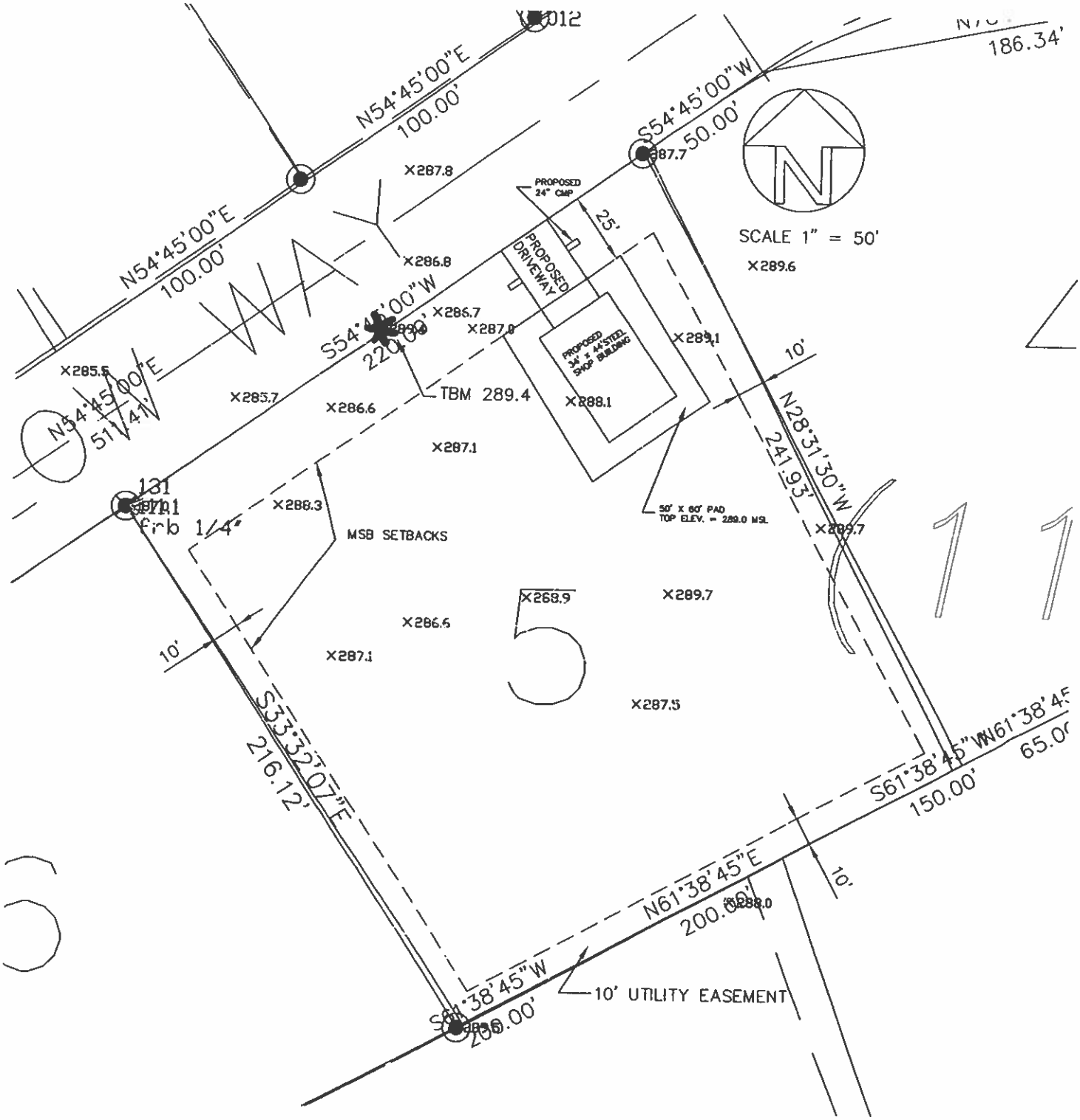
Very truly yours,

ALASKA RIM ENGINEERING, INC.

Kyle J. Cherry, P.E..
Project Engineer

ENCL: Flood Plain Development Permit Application
Elevation Certificate Package

CC: Paul Palinsik
Alaska Rim File No. 06-0855


N54°45'00"E
100.00'
N54°45'00"E
100.00'
S54°45'00"W
50.00'
186.34'
SCALE 1" = 50'
PROPOSED 24" CMP
PROPOSED DRIVEWAY
25'
PROPOSED 34' x 44'STEEL SHOP BUILDING
50' X 60' PAD TOP ELEV. = 289.0 MSL
10'
N28°31'30"W
241.93'
S54°45'00"W
220.00'
N54°45'00"E
511.41'
TBM 289.4
MSB SETBACKS
fnd 1/4"
10'
S33°32'07"E
216.12'
S61°38'45"W
150.00'
N61°38'45"E
200.00'
10'
10' UTILITY EASEMENT
X287.8
X286.8
X286.7
X287.0
X285.5
X285.7
X286.6
X287.1
X288.3
X288.1
X289.1
X289.6
X289.7
X288.9
X286.6
X287.1
X287.5
X288.0

MATANUSKA-SUSITNA BOROUGH
Planning and Land Use Department
Code Compliance Division
350 East Dahlia, Palmer, Alaska 99645
(907)745-9853 * fax (907)745-9876
ccb@matsugov.us

APPLICATION FOR FLOODPLAIN DEVELOPMENT PERMIT
MSB 17.29

Application Fee is: $100 for ☐ proposed development. Application Fee is $500 for ☐ "After the Fact" development. *The application must be complete with all attachments. Please carefully read MSB 17.29 and these instructions. Fill out forms completely. Use N/A if a question is not applicable. Address all development. Attach additional sheets as needed. Additional information and permits may be required. For more information go to www.matsugov.us, and click on code compliance.*

REQUIRED ATTACHMENTS ***(All drawings must be to scale and show all required dimensions)***
☐ Application Fee, $100 ☐ proposed development, $500 for ☐ "After the Fact" development.
☐ A site plan showing horizontal dimensions and location of all existing and proposed development on the site.
☐ Drawings or photos depicting what the development will look like showing vertical dimensions.
☐ A completed Elevation Certificate.

PROJECT LOCATION: Township 19N, Range 04W, Section 1, Meridian SM.
SUBDIVISION: FRIDAY HOMESTEAD BLOCK: 2, LOT: 5
(US Survey, aliquot Part, Lat. /Long. etc) _____
STREET ADDRESS: 18990 WEST WILLOW CREEK CIRCLE
VICINITY: _____
MSB TAX ACCOUNT ID# 1146B02L005 LOT SIZE: 1.1 Acres *or* _____ Sq. Ft.
Is site in a Special Use District (SPUD) or city? ☐ Yes ☒ No, If yes, which SPUD or City?
_____
Development and use must also comply with the rules for the SPUD and city.
Ownership: If the applicant is not the property owner of record, a letter of authorization signed by the owner must be attached to this application.
Is written owner's authorization attached: ☐ N/A ☐ Yes ☐ No

Name of Property Owner
_____
Address: _____
_____
Phone: Hm: _____
Wk: _____
E mail: _____

Name of Applicant *(if different from owner)*
_____
Address: _____
_____
Phone: Hm: _____
Wk: _____
E mail: _____

MSB TAX ACCOUNT ID#_____, T____, R____, S____, M___ MSB FHDP_____-_____

Type of Use:

☐ Residential, Number of dwelling units _____ ☐ Commercial

☒ Industrial ☐ Public/Institutional

Describe the use: EQUIPMENT & BOAT STORAGE

Type of Project:

☒ New Structure ☐ Addition

☐ Relocation ☐ Mobile /Manufactured home placement

☐ New subdivision/Platting Action

Number of Acres _____ Number of lots _____

☐ Building(s), number of buildings _____ ☐ Basement/Daylight Basement

☐ Private Storage/Garage ☐ Dock

☐ Excavation _____ total cubic yards. ☐ Fill _____ total cubic yards

☐ Watercourse/ shoreline alteration ☐ Drilling

☒ Grading 4500 sq. ft ☐ Paving _____ sq. ft.

☐ Road/Bridge construction ☐ Utilities, type _____

☐ Mining (gravel, soil etc.) _____ total cu. yds. ☐ Dredging _____ total cu. yds.

☐ Other type of structure(s), Tank, Tower, etc)

Describe _____

☐ Addition/Alteration/Repair: When was the existing structure originally built? N/A

Does cost of addition/alteration or repair exceed 50% of prior existing value of structure?

☐ Yes ☐ No

Value of existing structure prior to proposed addition/alteration repair $_____

Estimated cost of addition/alteration addressed by this application $_____

Project Description: *{Example: Warehouse – 20,000 sq. ft.; Office – 5,000 sq. ft., etc. or living space 1,000 sq. ft.; Garage 400 sq. ft., 20,000 sq. ft. paved parking area, 98 ft. tall tower or, 1,000 cubic yard of fills.} Include all structures, and development.*

CONSTANCT 30'x44' STEEL SHOP BUILDING WITH DRIVE WAY.

Estimated cost of all development addressed by this application $ 20,000

Maximum height of structure above avg. grade: 18 ft.

Number of Stories above avg. grade: 1

Total exterior gross area of Building: 1320 sq. ft.

{State Fire Marshall's review may be required; call (907)269-5604 for state fire and building codes}

Structural Setbacks: (at closest point to Public; Right of Way, Use/Access Easement 33 ft,

Side Lot Line 34 ft, Rear Lot Line 161 ft, Water body 368 ft

Water Frontage: Does the property have water frontage? ☐ Yes ☒ No

Name of water body: _____. What is the distance between the ordinary high water mark of water body and the structure at the closest point? _____ ft

MSB TAX ACCOUNT ID#_____, T____, R____, S____, M___ MSB FHDP_____-_____

Access: This project will have access to what road? WEST WILLOW CREEK CIRCLE

☒ Borough Maintained Road ☐ State Maintained Road ☐ Private Road

Does this project require new access driveway to a street or road? ☒ Yes ☐ No

{Driveway permit may be required, call 745-4801 for MSB Public Works Dept; or 745-2159 for AK DOT-PF}

Type of Sewage Disposal: ☒None ☐Existing ☐ Proposed ☐ Pit Privy ☐ Holding Tank ☐ Septic Tank ☐ Public/Community ☐Other (specify) _____,

No part of a subsurface sewage disposal system shall be closer than 100 ft from any body of water or water course (MSB Title 17.55.020). Other rules apply. ADEC Certification may be required, call Alaska DEC at 376-5038 for more information. Connection to available public systems (such as Talkeetna) may be required. Contact MSB Public Works Dept. at (907) 745-9801.

Type of Water Supply: ☒None ☐ Existing ☐ Proposed ☐ Private well/cistern ☐ Public/Community

ADEC Certification may be required, contact Alaska DEC at 376-1850 (www.state.ak.us/dec) for more information.
ADNR Water Rights may be required, contact Alaska DNR at 907-269-8503(www.dnr.state.ak.us) for more information.

OTHER PERMITS, COVENANTS, PLAT NOTES, DEED RESTRICTIONS, ETC

It is the responsibility of the owner and applicant to identify and comply with all applicable private restrictions such as covenants, and plat notes, as well as all local, state and federal regulations applicable to this development and to obtain all necessary authorizations and permits. Any commercial use requires State and Borough Business licenses. City business licenses may also be required.

The applicant has applied for the following other permits for this project:

_____

_____

_____

Completing an Alaska Coastal project questionnaire is helpful in determining if state or federal resource management permits are required. These forms are available from the borough or at the ADNR website, www.alaskacoast.state.ak.us.

The applicant has completed and submitted a Coastal Project Questionnaire. ☐ Attached ☐ Yes ☐ No

DETAILED FLOOD HAZARD DEVELOPMENT INFORMATION *(Complete all Sections*

1. MSB FLOOD HAZARD AREA DEVELOPMENT PERMIT - ALL NEW STRUCTURES INCLUDING MANUFACTURED HOMES, SUBSTANTIAL IMPROVEMENTS, AND OTHER DEVELOPMENT.
   - a. Is elevation certification attached? ☒ Yes ☐ No
   - b. Is proposed Site Plan attached? ☒ Yes ☐ No
   - c. Is site in a designated Flood Hazard Area? ☐ Not Mapped ☒ Yes ☐ No
     FIRM Panel # 7965 FIRM Zone AE
   - d. Is site in a designated Floodway? ☐ Not Mapped ☐ Yes ☒ No
     Floodway panel# _____
   - e. Does structure have a basement or enclosed crawl space? ☐ Yes ☒ No
   - f. Will structure/improvement(s) be anchored to prevent floatation, collapse, and lateral movement? ☒ Yes ☐ No
   - g. Will all materials and utility equipment used be resistant to flood damage? ☒ Yes ☐ No
   - h. Will all construction methods and practices, minimize flood damage? ☒ Yes ☐ No

2. NON-RESIDENTIAL STRUCTURE — ☐ N/A
   a. Is first floor flood-proofed to base flood elevation? — ☒ Yes ☐ No
   b. Is structure capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy? — ☒ Yes ☐ No

3. MANUFACTURED HOME — ☒ N/A
   a. Will manufactured home be placed on a permanent foundation? — ☐ Yes ☐ No
   b. Will manufactured home be anchored with over-the-top and frame ties to ground anchors in accordance with MSB 17.29.160? — ☐ Yes ☐ No

4. UTILITIES AND OTHER DEVELOPMENT — ☐ N/A
   a. Are new and replacement water and sewer systems designated to minimize and eliminate infiltration of flood waters? — ☐ Yes ☐ No N/A
   b. Is new or replacement sanitary sewage system designed to minimize or eliminate discharge from system to flood waters? — ☐ Yes ☐ No N/A
   c. Is on-site waste disposal system located to avoid impairment and contamination during flooding? — ☒ Yes ☐ No
   d. Are all tanks, containment areas, pipeline, dikes, diversion areas, ditches, fill, etc. located or designed to avoid impairment and contamination during flooding? — ☒ Yes ☐ No
   e. Are all electrical, heating, ventilation, plumbing and air conditioning equipment and other service designed, elevated or located to prevent flood waters from entering and accumulating in components? — ☒ Yes ☐ No

5. SUBDIVISIONS — ☐ N/A
   a. Total acreage in subdivision: _____ Total number of lots: _____.
   b. Does proposal minimize potential flood damage? — ☐ Yes ☐ No
   c. Are utilities and facilities designed to minimize flood damage? — ☐ Yes ☐ No
   d. Is adequate drainage provided? — ☐ Yes ☐ No
   e. Is base flood elevation data provided on plat — ☐ Yes ☐ No
   f. Is required notice of flood hazard included on Plat? — ☐ Yes ☐ No

6. EXCAVATION OR FILL/ROAD CONSTRUCTION — ☒ N/A
   a. Will fill encroach upon a mapped floodway? — ☒ Yes ☐ No
   b. Are culverts or drainage provided to maintain existing drainage patterns? — ☐ Yes ☐ No

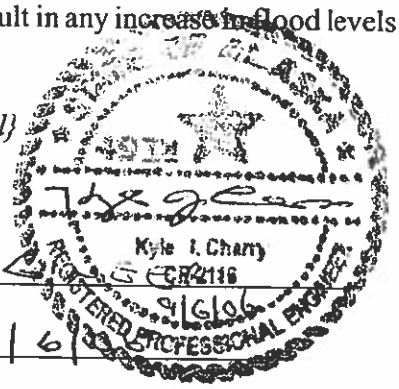
7. ALTERATION, RELOCATION OR, ENCROACHMENT IN, WATER COURSE — ☒ N/A
   a. Will watercourse be altered or relocated? — ☐ Yes ☐ No
   b. Will proposed development encroach into any watercourse? — ☐ Yes ☐ No
   c. Describe the type, and extent of any encroachment into, alteration or relocation of a water course resulting from the proposed development. _____
   _____
   _____
   d. Will encroachment, relocation, or alternation of the water course result in diminished flood carrying capacity during occurrence of the base flood discharge? — ☐ Yes ☐ No

MSB TAX ACCOUNT ID#_____, T____, R____, S____, M___ MSB FHDP _____-_____

CERTIFICATION BY ALASKA REGISTERED PROFESSIONAL ENGINEER/ARCHITECT

1. Elevation of base flood level (FBE) relative to mean sea level (MSL) 289.0
2. Elevation of lowest floor of proposed structures) including basement (MSL) 291.0
3. Elevation to which structure(s) have been flood proofed (MSL) 291.0
4. I, a professional Engineer/Architect do hereby certify that the designs and methods for construction of the development including structures, fill, excavation, utilities, and grading, described herein are in accordance with accepted standards of practice for meeting applicable provisions of Matanuska-Susitna Borough Code 17.29 and that this development will not result in any increase in flood levels during the base flood discharge.

{Professional seal}



Printed name & title: KYLE J. CHERRY, ENG

Signature: Kyle J. Cherry Date: 9/6/06

APPLICANT'S SIGNATURE

I understand that for each building located in numbered A Zones, which is constructed or substantially improved under this permit, the owner must provide to the Borough the actual "As Built" elevation (in relation to mean sea level) of the lowest floor within 90 days of completion of the structure.

I am owner of this property, or the owner's authorized agent, and I attest that the information in this application is true and agree to conform to all applicable laws of this jurisdiction.

Paul J. Palinski	Paul J. Palinski	9/8/06
Applicant Printed Name	**Applicant Signature**	**Date**

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-8.

OMB No. 1660-0008
Expires February 28, 2009

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name Paul Palinski

For Insurance Company Use:

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
18990 West Willow Circle

Policy Number

City Willow State AK ZIP Code 99688

Company NAIC Number

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 5 Block 2 Friday Homestead Subdivision

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) ____

A5. Latitude/Longitude: Lat. 61 46'02.1" N Long. 149 55'44.4" W Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 1

A8. For a building with a crawl space or enclosure(s), provide
a) Square footage of crawl space or enclosure(s) 0 sq ft
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade 0
c) Total net area of flood openings in A8.b 0 sq in

A9. For a building with an attached garage, provide:
a) Square footage of attached garage ____ sq ft
b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade ____
c) Total net area of flood openings in A9.b ____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
020021	Matanuska Susitna Borough	AK

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
7965	C	05/01/85	05/01/85	A2	289.0

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) ____

B11. Indicate elevation datum used for BFE in Item B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) ____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date ____ ☐ CBRS ☐ OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☒ Construction Drawings* ☐ Building Under Construction* ☐ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-g below according to the building diagram specified in Item A7.
Benchmark Utilized RM 17 Vertical Datum ____
Conversion/Comments ____

			Check the measurement used.	
a)	Top of bottom floor (including basement, crawl space, or enclosure floor)	291.0	☒ feet	☐ meters (Puerto Rico only)
b)	Top of the next higher floor	____	☐ feet	☐ meters (Puerto Rico only)
c)	Bottom of the lowest horizontal structural member (V Zones only)	____	☐ feet	☐ meters (Puerto Rico only)
d)	Attached garage (top of slab)	____	☐ feet	☐ meters (Puerto Rico only)
e)	Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments)	291.0	☒ feet	☐ meters (Puerto Rico only)
f)	Lowest adjacent (finished) grade (LAG)	XX	☐ feet	☐ meters (Puerto Rico only)
g)	Highest adjacent (finished) grade (HAG)	XX	☐ feet	☐ meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. *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.*

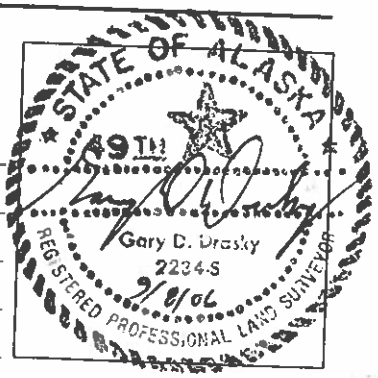
☐ Check here if comments are provided on back of form.

Certifier's Name Gary D. Drasky, P.L.S. License Number 2234

Title Principal Surveyor Company Name Alaska Rim Engineering, Inc.

Address PO Box 2749 City Palmer State AK ZIP Code 99645

Signature [signature] Date Sept. 8, '06 Telephone 745-0222



IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number
City State ZIP Code	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments See Attachments

Signature Date

☒ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
a) Top of bottom floor (including basement, crawl space, or enclosure) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
b) Top of bottom floor (including basement, crawl space, or enclosure) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

☐ Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8. and G9.

G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4.-G9.) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____.____ ☐ feet ☐ meters (PR) Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____.____ ☐ feet ☐ meters (PR) Datum _____

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

☐ Check here if attachments

Attachment
for
Elevation Certificate
on
Lot 5 Block 2 of the Friday Homestead Subdivision

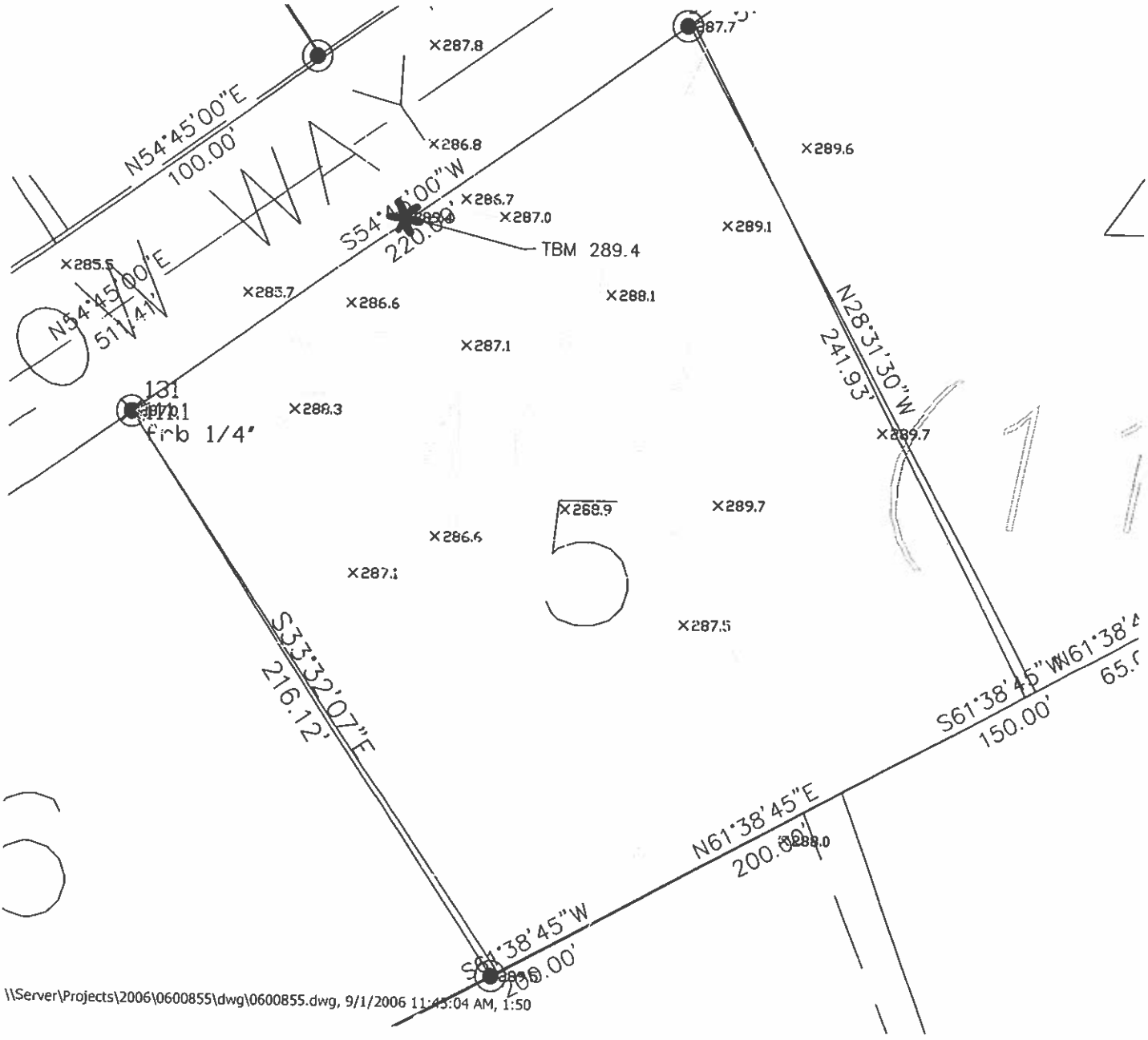
The base flood elevation (B.F.E.) for this lot has been derived by interpolation of FEMA Community Panel 020021-7965-C overlaid with the Matanuska Susitna Borough Tax Map WI-09. The maps were keyed to the Willow-Fishhook Road location as printed. Interpolation resulted in a BFE elevation of 288.5 feet.

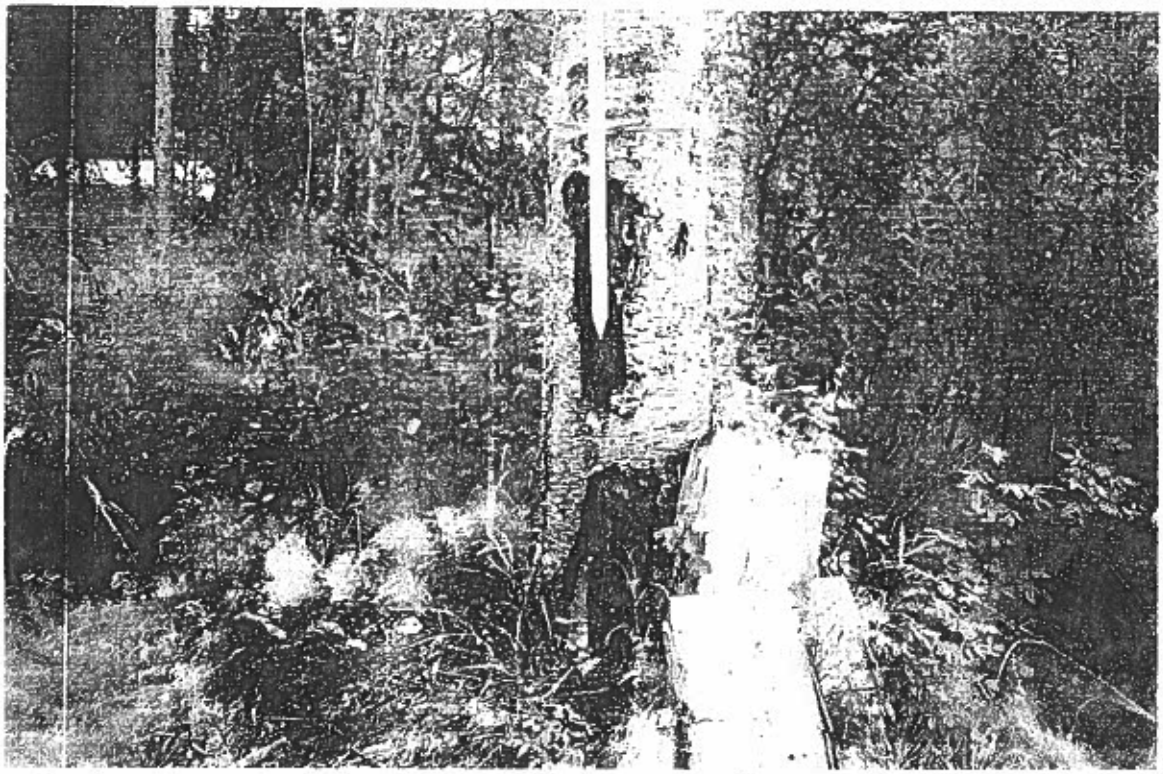
The bench mark used appears on the Community Panel as RM 17 with published elevation of 167 ft. NGVD 1929.

The elevation was brought to site by an earlier differential level loop supplemented by a closed and adjusted vertical angle traverse. The traverse was examined and compared favorably with an Alaska DOT/PF level run from USC & GS Bench Mark F-104 (now obliterated) lying on the Willow Creek and Parks Highway Bridge.

A temporary bench mark was established on site to assist future construction. The bench mark consists of a spike set in 12" birch tree at front center of Lot 5. Elevation of spike is 289.4 ft. The bench mark is marked with designated of "X" on lath nailed to tree above spike.

Therefore, the spike is .04 ft. above BFE and 1.6 ft. below recommended lowest floor. See attached diagrams within FEMA documents.





Friday Homestead Sub Lot 5 BK2 Aug 31, 2006

Proposed site Looking Northerly

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MATANUSKA-SUSITNA BOROUGH, ALASKA
(MATANUSKA-SUSITNA DIVISION)

PANEL 7965 OF 9855
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
020021 7965 C

EFFECTIVE DATE:
MAY 1, 1985

Federal Emergency Management Agency

FEMA

NATIONAL FLOOD INSURANCE PROGRAM

ELEVATION CERTIFICATE

AND

INSTRUCTIONS

NATIONAL FLOOD INSURANCE PROGRAM
ELEVATION CERTIFICATE

PAPERWORK REDUCTION ACT NOTICE

Public reporting burden for the Elevation Certificate is estimated to average 3.5 hours per response. Burden means the time, effort, or financial resources expended by persons to generate, maintain, retain, disclose, or provide information to the Federal Emergency Management Agency (FEMA). You are not required to respond to the collection of information unless a valid OMB control number is displayed in the upper right corner of the form. You may send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: U.S. Department of Homeland Security, Federal Emergency Management Agency, Mitigation Division, 500 C Street SW, Washington DC 20472, Paperwork Reduction Project (1660-0008). **NOTE: Do not send your completed form to this address.** To obtain or retain benefits under the National Flood Insurance Program (NFIP), you must respond to this collection of information.

PURPOSE OF THE ELEVATION CERTIFICATE

The Elevation Certificate is an important administrative tool of the National Flood Insurance Program (NFIP). It is to be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to determine the proper insurance premium rate, and to support a request for a Letter of Map Amendment (LOMA) or Letter of Map Revision based on fill (LOMR-F).

The Elevation Certificate is required in order to properly rate post-FIRM buildings, which are buildings constructed after publication of the Flood Insurance Rate Map (FIRM), located in flood insurance Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, and AR/AO. The Elevation Certificate is not required for pre-FIRM buildings unless the building is being rated under the optional post-FIRM flood insurance rules.

As part of the agreement for making flood insurance available in a community, the NFIP requires the community to adopt a floodplain management ordinance that specifies minimum requirements for reducing flood losses. One such requirement is for the community to obtain the elevation of the lowest floor (including basement) of all new and substantially improved buildings, and maintain a record of such information. The Elevation Certificate provides a way for a community to document compliance with the community's floodplain management ordinance.

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. Only a LOMA or LOMR-F from the Federal Emergency Management Agency (FEMA) can amend the FIRM and remove the Federal mandate for a lending institution to require the purchase of flood insurance. However, the lending institution has the option of requiring flood insurance even if a LOMA/LOMR-F has been issued by FEMA. The Elevation Certificate may be used to support a LOMA or LOMR-F request. Lowest floor and lowest adjacent grade elevations certified by a surveyor or engineer will be required if the certificate is used to support a LOMA or LOMR-F request. A LOMA or LOMR-F request must be submitted with either a completed FEMA MT-EZ or MT-1 package, whichever is appropriate.

This certificate is used only to certify building elevations. A separate certificate is required for floodproofing. Under the NFIP, non-residential buildings can be floodproofed up to or above the Base Flood Elevation (BFE). A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE. Floodproofing of residential buildings is not permitted under the NFIP unless FEMA has granted the community an exception for residential floodproofed basements. The community must adopt standards for design and construction of floodproofed basements before FEMA will grant a basement exception. For both floodproofed non-residential buildings and residential floodproofed basements in communities that have been granted an exception by FEMA, a floodproofing certificate is required.

Additional guidance can be found in the FEMA Floodplain Management Bulletin about using the Elevation Certificate, available on FEMA's website at www.fema.gov/fima/fpmbul.shtm. Click on "FEMA 467-1 Elevation Certificate Cover and Bulletin."

INSTRUCTIONS FOR COMPLETING THE ELEVATION CERTIFICATE

The Elevation Certificate is to be completed by a land surveyor, engineer, or architect who is authorized by law to certify elevation information when elevation information is required for Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, or AR/AO. Community officials who are authorized by law or ordinance to provide floodplain management information may also complete this form. For Zones AO and A (without BFE), a community official, a property owner, or an owner's representative may provide information on this certificate, unless the elevations are intended for use in supporting a request for a LOMA or LOMR-F. Certified elevations must be included if the purpose of completing the Elevation Certificate is to obtain a LOMA or LOMR-F.

The property owner, the owner's representative, or local official who is authorized by law to administer the community floodplain ordinance can complete Section A and Section B. The partially completed form can then be given to the land surveyor, engineer, or architect to complete Section C. The land surveyor, engineer, or architect should verify the information provided by the property owner or owner's representative to ensure that this certificate is complete.

In Puerto Rico only, elevations for building information and flood hazard information may be entered in meters.

SECTION A – PROPERTY INFORMATION

Items A1.-A4. This section identifies the building, its location, and its owner. Enter the name(s) of the building owner(s), the building's complete street address, and the lot and block numbers. If the building's address is different from the owner's address, enter the address of the building being certified. If the address is a rural route or a Post Office box number, enter the lot and block numbers, the tax parcel number, the legal description, or an abbreviated location description based on distance and direction from a fixed point of reference. For the purposes of this certificate, "building" means both a building and a manufactured (mobile) home.

A map may be attached to this certificate to show the location of the building on the property. A tax map, FIRM, or detailed community map is appropriate. If no map is available, provide a sketch of the property location, and the location of the building on the property. Include appropriate landmarks such as nearby roads, intersections, and bodies of water. For building use, indicate whether the building is residential, non-residential, an addition to an existing residential or non-residential building, an accessory building (e.g., garage), or other type of structure. Use the Comments area of the appropriate section if needed, or attach additional comments.

Item A5. Provide latitude and longitude coordinates for the center of the front of the building. Use either decimal degrees (e.g., 39.5043°, -110 7585°) or degrees, minutes, seconds (e.g., 39° 30' 15.5", -110° 45' 30.7") format. If decimal degrees are used, provide coordinates to at least 4 decimal places or better. When using degrees, minutes, seconds, provide seconds to at least 1 decimal place or better. The latitude and longitude coordinates must be accurate within 66 feet. If the Elevation Certificate is being certified by other than a licensed surveyor, engineer, or architect, this information is not required. Provide the type of datum used to obtain the latitude and longitude. FEMA prefers the use of NAD 1983.

Item A6. If the Elevation Certificate is being used to obtain flood insurance through the NFIP, the certifier must provide at least two photographs showing the front and rear of the building taken within 90 days from the date of certification. The photographs must be taken with views confirming the building description and diagram number provided in Section A. If the building has split-level or multi-level areas, provide at least two additional photographs showing side views of the building. All photographs must be in color and measure at least 3"x3". Digital photographs are acceptable.

Item A7. Select the diagram on pages 7-8 that best represents the building. Then enter the diagram number and use the diagram to identify and determine the appropriate elevations requested in Items C2.a-g. If you are unsure of the correct diagram, select the diagram that most closely resembles the building being certified.

Item A8.a Provide the square footage of the crawl space or enclosure(s) below the lowest elevated floor of an elevated building with or without permanent flood openings. Take the measurement from the outside of the crawl space or enclosure(s). Examples of elevated buildings constructed with crawl space and enclosure(s) are shown in Diagrams 6-8 on page 8. Diagram 2 or 4 should be used for a building constructed with a crawl space floor that is below the exterior grade on all sides.

Items A8.b-c Enter in Item A8.b the number of permanent flood openings in the crawl space or enclosure(s) walls that are no higher than 1.0 foot above the adjacent grade. Estimate the total net area of all such permanent flood openings in square inches, excluding any bars, louvers, or other covers of the permanent flood openings, and enter the total in Item A8.c. If the net

area cannot be reasonably estimated, provide the size of the flood openings without consideration of any covers and indicate in the Comments area the type of cover that exists in the flood openings. If the crawl space or enclosure(s) walls have no permanent openings within 1.0 foot above adjacent grade, enter "0" (zero) in Items A8.b-c.

Item A9.a Provide the square footage of the attached garage with or without permanent flood openings. Take the measurement from the outside of the garage.

Items A9.b-c Enter in Item A9.b the number of permanent flood openings in the attached garage that are no higher than 1.0 foot above the adjacent grade. This includes any openings that are in the garage door that are no higher than 1.0 foot above the adjacent grade. Estimate the total net area of all such permanent flood openings in square inches and enter the total in Item A9.c. If the garage has no permanent flood openings within 1.0 foot above adjacent grade, enter "0" (zero) in Items A9.b-c.

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

Complete the Elevation Certificate on the basis of the FIRM in effect at the time of the certification.

The information for Section B is obtained by reviewing the FIRM panel that includes the building's location. Information about the current FIRM is available from the Federal Emergency Management Agency (FEMA) by calling 1-800-358-9616. If a Letter of Map Amendment (LOMA) or Letter of Map Revision (LOMR-F) has been issued by FEMA, please provide the letter date and case number in the Comments area of Section D or Section G, as appropriate.

For a building in an area that has been annexed by one community but is shown on another community's FIRM, enter the community name and 6-digit number of the annexing community in Item B1, the name of the new county in Item B2, and the FIRM index date for the annexing community in Item B6. Enter information from the actual FIRM panel that shows the building location, even if it is the FIRM for the previous jurisdiction, in Items B4, B5, B7, B8, and B9.

Item B1. NFIP Community Name & Community Number. Enter the complete name of the community in which the building is located and the associated 6-digit community number. For a newly incorporated community, use the name and 6-digit number of the new community. Under the NFIP, a "community" is any State or area or political subdivision thereof, or any Indian tribe or authorized native organization, that has authority to adopt and enforce floodplain management regulations for the areas within its jurisdiction. To determine the current community number, see the NFIP *Community Status Book*, available on FEMA's web site at http://www.fema.gov/fema/csb.shtm, or call 1-800-358-9616.

Item B2. County Name. Enter the name of the county or counties in which the community is located. For an unincorporated area of a county, enter "unincorporated area." For an independent city, enter "independent city."

Item B3. State. Enter the 2-letter state abbreviation (for example, VA, TX, CA).

Items B4.-B5. Map/Panel Number and Suffix. Enter the 10-character "Map Number" or "Community Panel Number" shown on the FIRM where the building or manufactured (mobile) home is located. For maps in a county-wide format, the sixth character of the "Map Number" is the letter "C" followed by a four-digit map number. For maps not in a county-wide format, enter the "Community Panel Number" shown on the FIRM.

Item B6. FIRM Index Date. Enter the effective date or the map revised date shown on the FIRM Index.

Item B7. FIRM Panel Effective/Revised Date. Enter the map effective date or the map revised date shown on the FIRM panel. This will be the latest of all dates shown on the map. The current FIRM panel effective date can be determined by calling 1-800-358-9616.

Item B8. Flood Zone(s). Enter the flood zone, or flood zones, in which the building is located. All flood zones containing the letter "A" or "V" are considered Special Flood Hazard Areas. The flood zones are A, AE, A1-A30, V, VE, V1-V30, AH, AO, AR, AR/A, AR/AE, AR/A1-A30, AR/AH, and AR/AO. Each flood zone is defined in the legend of the FIRM panel on which it appears.

Item B9. Base Flood Elevation(s). Using the appropriate Flood Insurance Study (FIS) Profile, Floodway Data Table, or FIRM panel, locate the property and enter the BFE (or base flood depth) of the building site. If the building is located in more than one flood zone in Item B8, list all appropriate BFEs in Item B9. BFEs are shown on a FIRM or FIS Profile for Zones A1-A30, AE, AH, V1-V30, VE, AR, AR/A, AR/AE, AR/A1-A30, AR/AH, and AR/AO; flood depth numbers are shown for Zone AO. Use the AR BFE if the building is located in any of Zones AR/A, AR/AE, AR/A1-A30, AR/AH, or AR/AO. In A or V zones where BFEs are not provided on the FIRM, BFEs may be available from another source. For example, the community may have established BFEs or obtained BFE data from other sources for the building site. For subdivisions and other developments of more than 50 lots or 5 acres, establishment of BFEs is required by the community's floodplain management ordinance. If a BFE is obtained from another source, enter the BFE in Item B9. In an A Zone where BFEs are not available, complete Section E and enter N/A for Section B, Item B9. Enter the BFE to the nearest tenth of a foot (nearest tenth of a meter, in Puerto Rico).

Item B10. Indicate the source of the BFE that you entered in Item B9. If the BFE is from a source other than FIS Profile, FIRM, or community, describe the source of the BFE.

Item B11. Indicate the elevation datum to which the elevations on the applicable FIRM are referenced as shown on the map legend. The vertical datum is shown in the Map Legend and/or the Notes to Users on the FIRM.

Item B12. Indicate whether the building is located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA). (OPAs are portions of coastal barriers that are owned by Federal, State, or local governments or by certain non-profit organizations and used primarily for natural resources protection.) Federal flood insurance is prohibited in designated CBRS areas or OPAs for buildings or manufactured (mobile) homes built or substantially improved after the date of the CBRS or OPA designation. For the first CBRS designations, that date is October 1, 1983. An information sheet explaining CBRS areas and OPAs may be obtained on FEMA's web site at http://www.fema.gov/fhm/fmc_cbrs.shtm.

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

Complete Section C if the building is located in any of Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, or AR/AO, or if this certificate is being used to support a request for a LOMA or LOMR-F. If the building is located in Zone AO or Zone A (without BFE), complete Section E instead. To ensure that all required elevations are obtained, it may be necessary to enter the building (for instance, if the building has a basement or sunken living room, split-level construction, or machinery and equipment).

Surveyors may not be able to gain access to some crawl spaces to shoot the elevation of the crawl space floor. If access to the crawl space is limited or cannot be gained, follow one of these procedures.

- Use a yardstick or tape measure to measure the height from the floor of the crawl space to the "next higher floor," and then subtract the crawl space height from the elevation of the "next higher floor." If there is no access to the crawl space, use the exterior grade next to the structure to measure the height of the crawl space to the "next higher floor."
- Contact the local floodplain administrator of the community in which the building is located. The community may have documentation of the elevation of the crawl space floor as part of the permit issued for the building.
- If the property owner has documentation or knows the height of the crawl space floor to the next higher floor, try to verify this by looking inside the crawl space through any openings or vents.

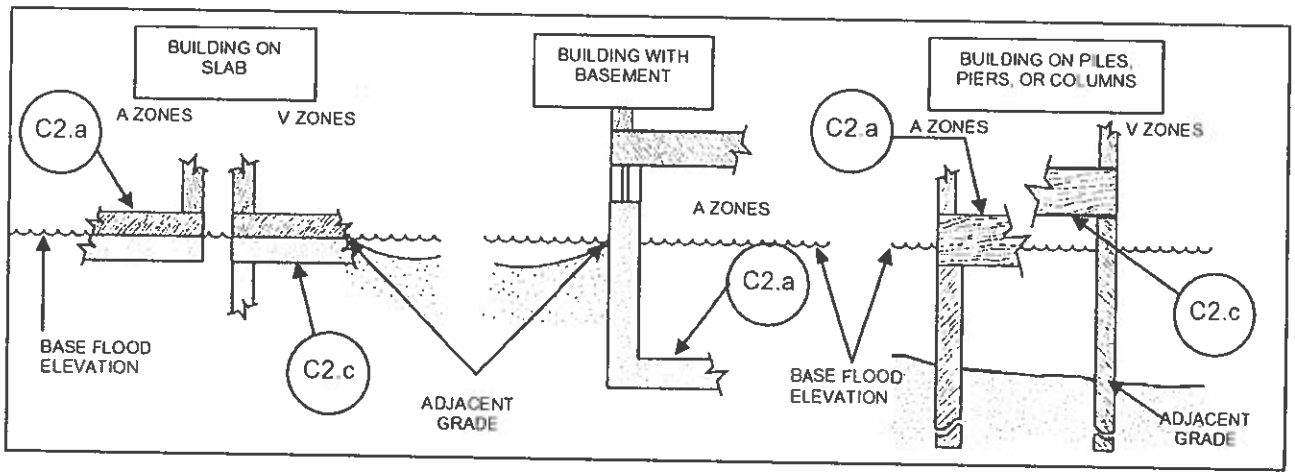
In all three cases, provide the elevation in the Comments area of Section D on the back of the form and a brief description of how the elevation was obtained.

Item C1. Indicate whether the elevations to be entered in this section are based on construction drawings, a building under construction, or finished construction. For either of the first two choices, a post-construction Elevation Certificate will be required when construction is complete. If the building is under construction, include only those elevations that can be surveyed in Items C2.a-g. Use the Comments area of Section D to provide elevations obtained from the construction plans or drawings. Select "Finished Construction" only when all machinery and/or equipment such as furnaces, hot water heaters, heat pumps, air conditioners, and elevators and their associated equipment have been installed and the grading around the building is completed.

Item C2. A field survey is required for Items C2.a-g. Provide the benchmark utilized, the vertical datum for that benchmark, and any datum conversion necessary. Most control networks will assign a unique identifier for each benchmark. For example, the National Geodetic Survey uses the Permanent Identifier (PID). For the benchmark utilized, provide the PID or other

unique identifier assigned by the maintainer of the benchmark. Also provide the vertical datum for the benchmark elevation. Show the conversion from the field survey datum used if it differs from the datum used for the BFE entered in Item B9 and indicate the conversion software used. All elevations for the certificate, including the elevations for Items C2.a-g, must be referenced to the datum on which the BFE is based. Show the datum conversion, if applicable, in this section or in the Comments area of Section D. For property experiencing ground subsidence, the most recent reference mark elevations must be used for determining building elevations. However, when subsidence is involved, the BFE should not be adjusted. Enter elevations in Items C2.a-g to the nearest tenth of a foot (nearest tenth of a meter, in Puerto Rico).

Items C2.a-d Enter the building elevations (excluding the attached garage) indicated by the selected building diagram (Item A7.) in Items C2.a-c. If there is an attached garage, enter the elevation for top of attached garage slab in Item C2.d. (Because elevation for top of attached garage slab is self-explanatory, attached garages are not illustrated in the diagrams.) If the building is located in a V zone on the FIRM, complete Item C2.c. If the flood zone cannot be determined, enter elevations for all of Items C2.a-g. For buildings in A zones, elevations a, b, d, and e should be measured at the top of the floor. For buildings in V zones, elevation c must be measured at the bottom of the lowest horizontal structural member of the floor (see drawing below). For buildings elevated on a crawl space, Diagram 8, enter the elevation of the top of the crawl space floor in Item C2.a, whether or not the crawl space has permanent flood openings (flood vents). *If any item does not apply to the building, enter "N/A" for not applicable.*



Item C2.e Enter the lowest platform elevation of at least one of the following machinery and equipment items: elevators and their associated equipment, furnaces, hot water heaters, heat pumps, and air conditioners in an attached garage or enclosure or on an open utility platform that provides utility services for the building. Note that elevations for these specific machinery and equipment items are required in order to rate the building for flood insurance. Local floodplain management officials are required to ensure that all machinery and equipment servicing the building are protected from flooding. Thus, local officials may require that elevation information for all machinery and equipment, including ductwork, be documented on the Elevation Certificate. If the machinery and/or equipment is mounted to a wall, pile, etc., enter the platform elevation of the machinery and/or equipment. Indicate machinery/equipment type in the Comments area of Section D or Section G, as appropriate. *If this item does not apply to the building, enter "N/A" for not applicable.*

Items C2.f-g Adjacent grade is defined as the elevation of the ground, sidewalk, patio slab, or deck support immediately next to the building. If the certificate is to be used to support a request for a LOMA or LOMR-F, provide in the Comments area the lowest adjacent grade elevation measured at the deck support or stairs if that elevation is lower than the building's lowest adjacent grade. For Zone AO, use the natural grade elevation, if available. This measurement must be to the nearest tenth of a foot (nearest tenth of a meter, in Puerto Rico) if this certificate is being used to support a request for a LOMA or LOMR-F.

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

Complete as indicated. This section of the Elevation Certificate may be signed by only a land surveyor, engineer, or architect who is authorized by law to certify elevation information. Place your license number, your seal (as allowed by the State licensing board), your signature, and the date in the box in Section D. You are certifying that the information on this certificate represents your best efforts to interpret the data available and that you understand that any false statement may be punishable

by fine or imprisonment under 18 U.S. Code, Section 1001. Use the Comments area of Section D, on the back of the certificate, to provide datum, elevation, or other relevant information not specified on the front.

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO & ZONE A (WITHOUT BFE)

Complete Section E if the building is located in Zone AO or Zone A (without BFE). Otherwise, complete Section C instead. Explain in the Section F Comments area if the measurement provided under Items E1.- E4. is based on the "natural grade."

Items E1.a and b Enter in Item E1.a the height to the nearest tenth of a foot (tenth of a meter in Puerto Rico) of the top of the bottom floor (as indicated in the applicable diagram) above or below the highest adjacent grade (HAG). Enter in Item E1.b the height to the nearest tenth of a foot (tenth of a meter in Puerto Rico) of the top of the bottom floor (as indicated in the applicable diagram) above or below the lowest adjacent grade (LAG). For buildings in Zone AO, the community's floodplain management ordinance requires the lowest floor of the building be elevated above the highest adjacent grade at least as high as the depth number on the FIRM. Buildings in Zone A (without BFE) may qualify for a lower insurance rate if an engineered BFE is developed at the site.

Item E2. For Building Diagrams 6-8 with permanent flood openings (see page 8), enter the height to the nearest tenth of a foot (tenth of a meter in Puerto Rico) of the next higher floor or elevated floor (as indicated in the applicable diagram) above or below the highest adjacent grade (HAG).

Item E3. Enter the height to the nearest tenth of a foot (tenth of a meter in Puerto Rico), in relation to the highest adjacent grade next to the building, for the top of attached garage slab. (Because elevation for top of attached garage slab is self-explanatory, attached garages are not illustrated in the diagrams.) *If this item does not apply to the building, enter "N/A" for not applicable.*

Item E4. Enter the height to the nearest tenth of a foot (tenth of a meter in Puerto Rico), in relation to the highest adjacent grade next to the building, of the platform elevation that supports the machinery and/or equipment servicing the building. Indicate machinery/equipment type in the Comments area of Section F. *If this item does not apply to the building, enter "N/A" for not applicable.*

Item E5. For those communities where this base flood depth is not available, the community will need to determine whether the top of the bottom floor is elevated in accordance with the community's floodplain management ordinance.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

Complete as indicated. This section is provided for certification of measurements taken by a property owner or property owner's representative when responding to Sections A, B, and E. The address entered in this section must be the actual mailing address of the property owner or property owner's representative who provided the information on the certificate.

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

Complete as indicated. The community official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Section C may be filled in by the local official as provided in the instructions below for Item G1. If the authorized community official completes Sections C, E, or G, complete the appropriate item(s) and sign this section.

Check **Item G1.** if Section C is completed with elevation data from other documentation, including elevations obtained from the Community Rating System Elevation Software, that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. Indicate the source of the elevation data and the date obtained in the Comments area of Section G. If you are both a community official and a licensed land surveyor, engineer, or architect authorized by law to certify elevation information, and you performed the actual survey for a building in Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/A1-A30, AR/AE, AR/AH, or AR/AO, you must also complete Section D.

Check **Item G2.** if information is entered in Section E by the community for a building in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

Check **Item G3.** if the information in Items G4.-G9. has been completed for community floodplain management purposes to document the as-built lowest floor elevation of the building. Section C of the Elevation Certificate records the elevation of various building components but does not determine the lowest floor of the building or whether the building, as constructed, complies with the community's floodplain management ordinance. This must be done by the community. Items G4.-G9. provide a way to document these determinations.

Item G4. Permit Number. Enter the permit number or other identifier to key the Elevation Certificate to the permit issued for the building.

Item G5. Date Permit Issued. Enter the date the permit was issued for the building.

Item G6. Date Certificate of Compliance/Occupancy Issued. Enter the date that the Certificate of Compliance or Occupancy or similar written official documentation of as-built lowest floor elevation was issued by the community as evidence that all work authorized by the floodplain development permit has been completed in accordance with the community's floodplain management laws or ordinances.

Item G7. New Construction or Substantial Improvement. Check the applicable box. "Substantial Improvement" means any reconstruction, rehabilitation, addition, or other improvement of a building, the cost of which equals or exceeds 50 percent of the market value of the building before the start of construction of the improvement. The term includes buildings that have incurred substantial damage, regardless of the actual repair work performed.

Item G8. As-built lowest floor elevation. Enter the elevation of the lowest floor (including basement) when the construction of the building is completed and a final inspection has been made to confirm that the building is built in accordance with the permit, the approved plans, and the community's floodplain management laws or ordinances. Indicate the elevation datum used.

Item G9. BFE. Using the appropriate FIRM panel, FIS Profile, or other data source, locate the property and enter the BFE (or base flood depth) of the building site. Indicate the elevation datum used.

Enter your name, title, and telephone number, and the name of the community. Sign and enter the date in the appropriate blanks.

BUILDING DIAGRAMS

The following eight diagrams illustrate various types of buildings. Compare the features of the building being certified with the features shown in the diagrams and select the diagram most applicable. Enter the diagram number in Item A7., the square footage of crawl space or enclosure(s) and the area of flood openings in square inches in Items A8.a-c, the square footage of attached garage and the area of flood openings in square inches in Items A9.a-c, and the elevations in Items C2.a-g.

In A zones, the floor elevation is taken at the top finished surface of the floor indicated; in V zones, the floor elevation is taken at the bottom of the lowest horizontal structural member (see drawing in instructions for Section C).

DIAGRAM 1

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

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

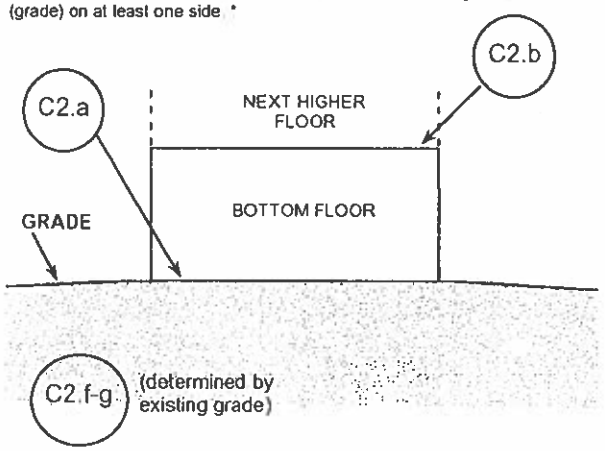


DIAGRAM 2

All single- and multiple-floor buildings with basement (other than split-level) and high-rise buildings with basement, 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. Buildings constructed above crawl spaces that are below grade on all sides should also use this diagram.*

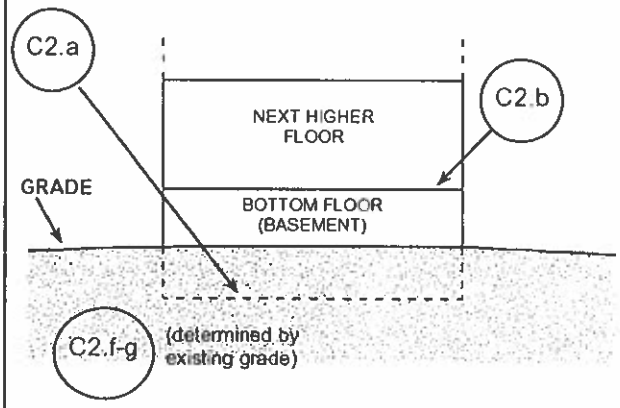


DIAGRAM 3

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.*

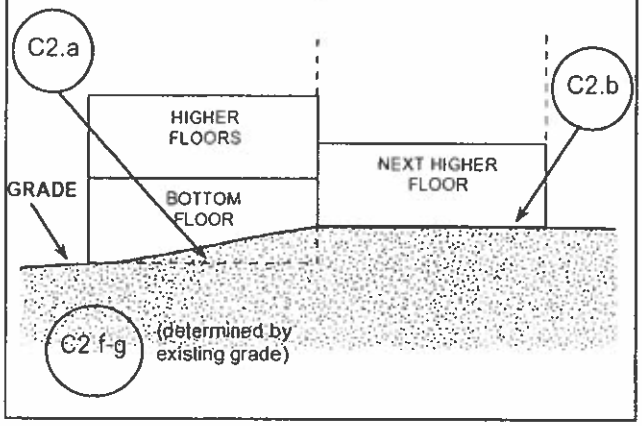
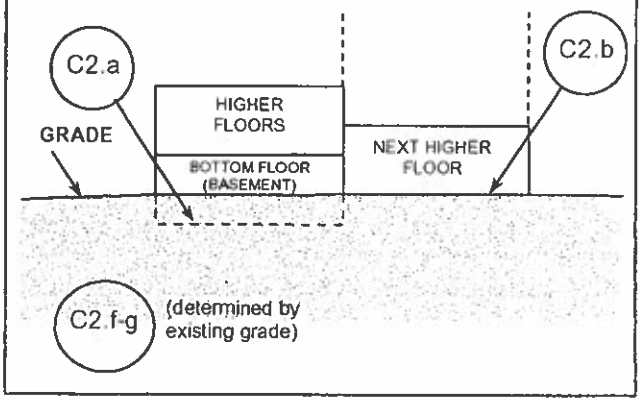


DIAGRAM 4

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. Buildings constructed above crawl spaces that are below grade on all sides should also use this diagram.*



* 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.

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 readily removable insect screening is permissible).

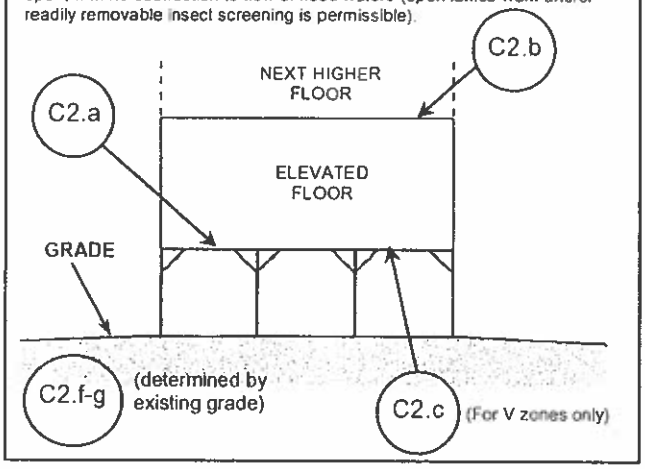


DIAGRAM 6

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.

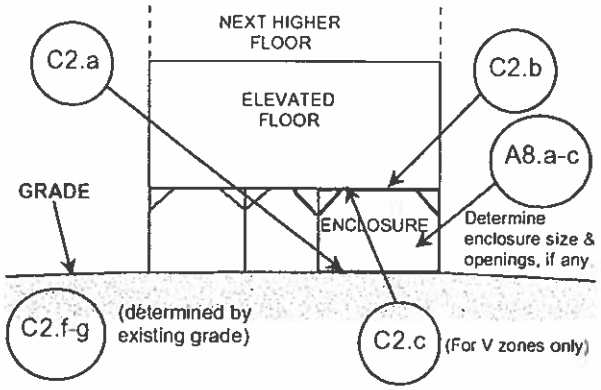


DIAGRAM 7

All buildings elevated on full-story foundation walls with a partially or fully enclosed area below the elevated floor. This includes walkout levels, where at least one side is at or above grade. The principal use of this building is located in the elevated floors of the building.

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.

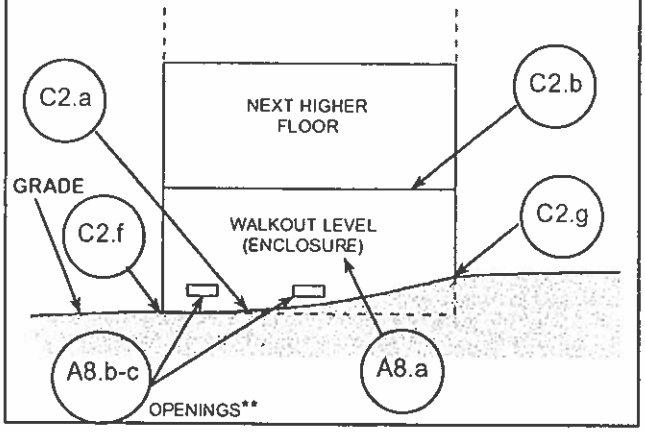
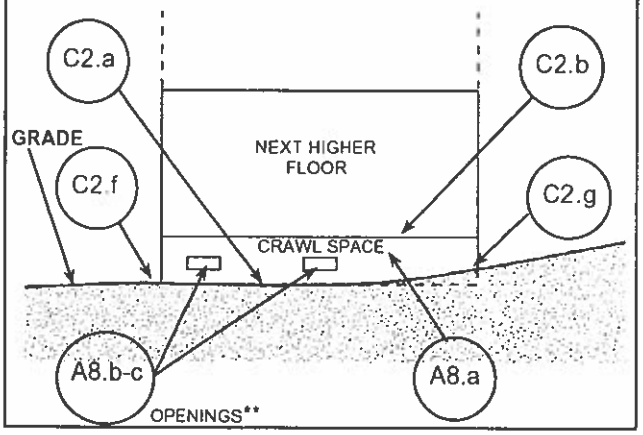


DIAGRAM 8

All buildings elevated on a crawl space with the floor of the crawl space at or above grade on at least one side, with or without an attached garage.

Distinguishing Feature – For all zones, the area below the first floor is enclosed by solid or partial perimeter walls. In all A zones, the crawl space is with or without openings** present in the walls of the crawl space. Indicate information about crawl space size and openings in Section A – Property Information.



** An "opening" is defined as a permanent opening in a wall 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 crawl spaces with a total net area of not less than one square inch for every square foot of area enclosed. Each opening must be on different sides of the enclosed area. If a building has more than one enclosed area, each area must have openings on exterior walls to allow floodwater to directly enter. The bottom of the openings must be no higher than one foot above the grade underneath the flood vents. Alternatively, you may submit a certification by a registered professional engineer or architect that the design 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.

STEELMASTER
www.SteelMasterUSA.com

SteelMaster® Buildings, LLC
1023 Laskin Road, Suite 109
Virginia Beach, VA 23451
800-341-7007
757-422-6800
Fax: 757-422-8480

September 7, 2006

Paul J. Palinski
526 N. Lane
Anchorage AK 99508

Re: Contract of August 24, 2006 for a SteelMaster® building.

Dear Mr. Palinski:

Since your building is being delivered to a shipping company for forwarding to Alaska, it will be necessary for you to arrange for payment in full before the factory will ship your building. If you have any questions, please call customer service at **800-341-7007**. 8137

Sincerely,

STEELMASTER BUILDINGS, LLC.

Georgette Cyr

Georgette Cyr
Customer Service

10
28
4

5900

757 422 8480

907-790-8502

Alaska Rim Engineering, Inc.

PO Box 2749
Palmer, Alaska 99645-2749

DATE	INVOICE #
9/8/2006	06-00855

BILL TO
PAUL PALINSKI 526 N LANE STREET ANCHORAGE AK 99508

907-745-0222	Fax 746-0222	email - cindy@alaskarim.com

P.O. NO.	TERMS	JOB NUMBER	LEGAL DESCRIPTION
	Due Upon Receipt	06-00855	L5 B2 Friday Homestead

ITEM	DESCRIPTION	QUANTITY	RATE	AMOUNT
Clerical	08/22/06 - Project set up/Research	0.25	50.00	12.50
Clerical	09/01/06 - Type elevation certificate & attachments	0.5	50.00	25.00
Surveying	08/31/06 - Elevation certificate/Topo/Level loop	5	150.00	750.00
Engineer P.E.	09/05/06 - Work on flood plain development permit application	1.5	100.00	150.00
Engineer P.E.	09/06/06 - Complete application	2	100.00	200.00
Pro Land Surv	09/01/06 - Review field work/Elevation certificate	2	100.00	200.00

Thank you for using Alaska Rim Engineering, Inc.

Accounts are due upon receipt, finance charges will be placed on past due accounts, delinquent accounts may be turned over for collection. Any charges made in an attempt to collect past due accounts will be passed on to the customer. (907)745-0222

Total $1,337.50

Alaska Rim Engineering now accepts Visa and Mastercard Credit Cards

NORMAN
GARY

MATANUSKA-SUSITNA BOROUGH

350 East Dahlia Avenue, Palmer, Alaska 99645-6488
Planning and Land Use Department
Code Compliance Division (907) 745-9853
FAX (907) 745-9876 - E-Mail *ccb@msb.co.matsgov.us*

FLOOD HAZARD DEVELOPMENT PERMIT

PERMIT NUMBER: **FHDP 2006-0034**

LEGAL DESCRIPTION: Friday Homestead Subdivision Block 02, Lot5, MSB Tax Parcel, 1146B02L005, 18990 W. Willow Circle (within T19NR04W01 S.M.)

ISSUED TO: Paul Palinsky
526 N. Lane St.
Anchorage, Alaska 99508

In accordance with MSB 17.29.110: an application has been reviewed and is APPROVED for development described as; a (30 'X 44') 1,320± sq. ft., (18' feet tall) 1 story steel "shop" building, with a driveway and (50'x60'by) building pad using fill excavated from the same lot.

Only development specifically described in the submitted application is authorized under the requirements of MSB 17.29. A new application must be submitted and approved prior to any other development.

This permit pertains only to compliance with the requirements of MSB 17.29 (Flood Damage Prevention). This permit does not relieve the permittee from the responsibility to comply with all other applicable rules and to identify and obtain all other necessary authorizations, including, but not limited to, a permit for driveway access to Public Right of Way.

IMPORTANT NOTES
Development authorized by this permit must be completed within 2 years of the date of issuance.

Failure to elevate the bottom of the lowest floor (including the lowest enclosed space) at least two feet above the base flood elevation may result in higher insurance rates.

Within 90 days of completion of the permitted project, the permittee must provide written notification to the issuing office that the project is completed as authorized and provide documentation of the actual finished elevation in relation to mean sea level of the lowest floor, including basement or crawl space. The required documentation must be under the seal of a certified professional surveyor or engineer qualified to perform the necessary analysis.

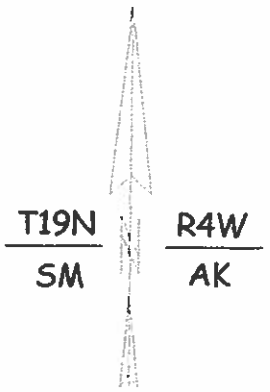
ISSUED BY:

Ken Hudson, Chief of Code Compliance

10/13/06
Issuance Date

RECORD CURVE DATA

Curve	Delta Angle	Radius	Arc	Tangent	Chord	Chord Bearing
1	0°58'40"	290.00	4.95	2.48	4.95	N 55°14'20" E



SCALE 1"= 100'

WILLOW CREEK

SET 5/8" REBAR

(S 54°45'00"W)
N 54°44'29"E
99.06'
(100.00')
(N 27°06'39"W
N 27°07'27"W 282.92')
LOT 11
BLOCK 1

FND 3/8" REBAR

99.99'
(100.00')
(N 35°15'00"W
N 35°13'36"W 280.00')
283.11'
LOT 10

N 35°14'08"W
(N 35°15'00"W 280.00')
279.15'
LOT 9

(55.00')
N 55°28'24"E
54.95'
(4.95')
C1

FND 5/8" REBAR

LOT 8

BLOCK 1

(100.00')
S 54°22'59"W
99.95'

FND 5/8" REBAR

W. WILLOW CIRCLE
(N 54°45'00"E)

(50.00')

15'

15' UTILITY EASE.

BLOCK 2

LOT 4

N 54°51'18"E 219.94'
(220.00')

(S 28°31'30"E 241.93')
S 28°35'45"E 241.65'

FOUND OUT OF GROUND RESET

LOT 5

N 33°30'47"W
(N 33°25'36"W 216.21')
216.36')

BLOCK 2

LOT 6

10'

S 61°44'04"W 199.97'
(S 61°38'45"W 200.00')

LOT 9

10' UTILITY EASE.

10' UTILITY EASE.

10'

LOT 8

STATE OF ALASKA
49th
Paul P. Pilch
LS 7576
REGISTERED PROFESSIONAL LAND SURVEYOR

OCTOBER 27, 2015

LEGEND

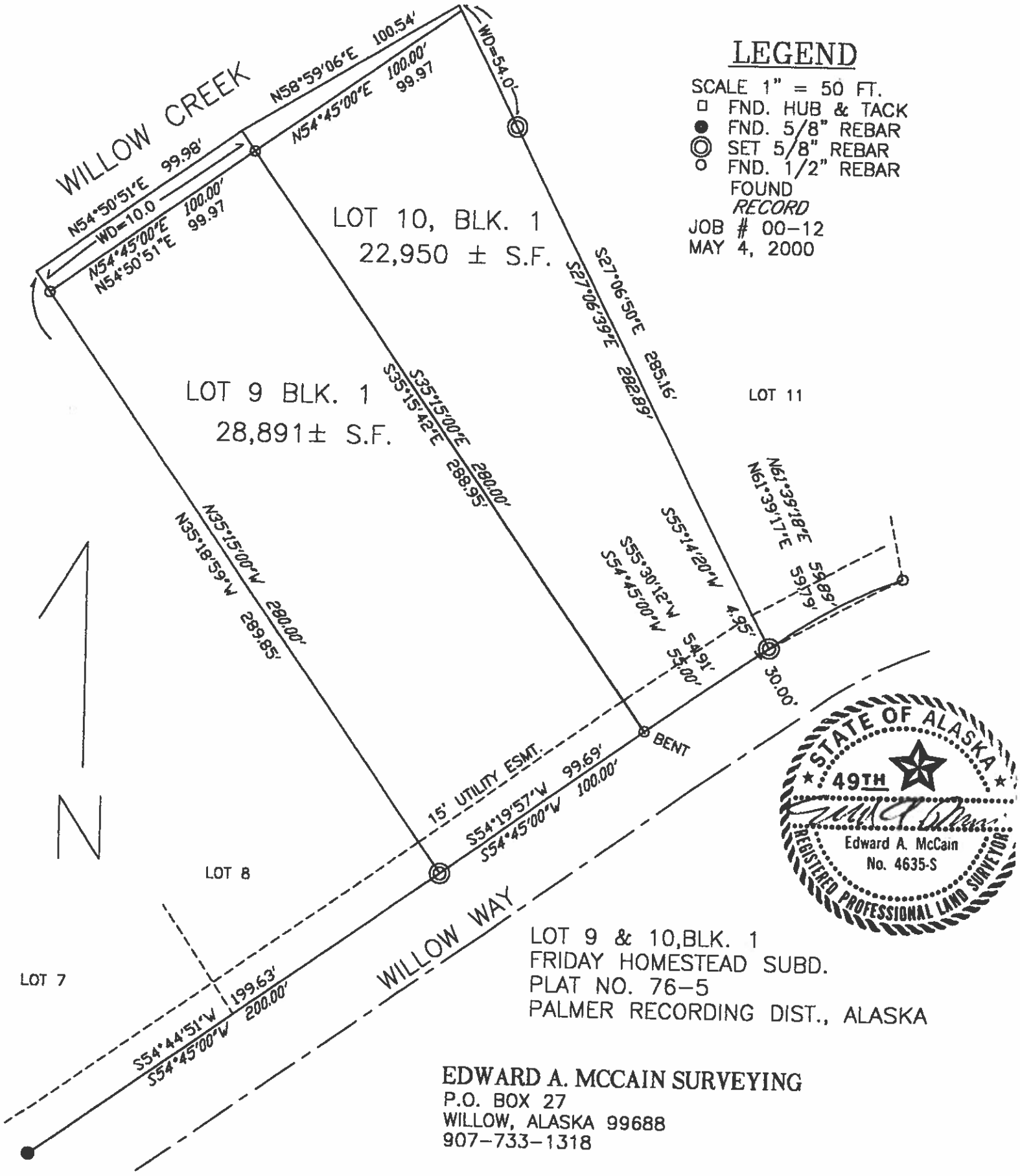
- FOUND 3/8" REBAR
- SET 5/8"x30" REBAR

(50.00') RECORD DATA

LOT SURVEY

LOT 9 BLOCK 1
LOT 5 BLOCK 2
FRIDAY HOMESTEAD SUBDIVISION
PLAT NO. 75-5

PILCH LAND SURVEYING P.O. BOX 641 WILLOW, ALASKA 99688 907-495-6611



LEGEND

SCALE 1" = 50 FT.
- □ FND. HUB & TACK
- ● FND. 5/8" REBAR
- ◎ SET 5/8" REBAR
- ○ FND. 1/2" REBAR

FOUND
RECORD

JOB # 00-12
MAY 4, 2000

STATE OF ALASKA
49TH
Edward A. McCain
No. 4635-S
REGISTERED PROFESSIONAL LAND SURVEYOR

LOT 9 & 10,BLK. 1
FRIDAY HOMESTEAD SUBD.
PLAT NO. 76-5
PALMER RECORDING DIST., ALASKA

EDWARD A. MCCAIN SURVEYING
P.O. BOX 27
WILLOW, ALASKA 99688
907-733-1318