

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

## SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name		For Insurance Company Use:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1126 Warden Street		Policy Number	
City Benbrook State TX ZIP Code 76126		Company NAIC Number	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 28, Block 22, Tract 3B, First Revision of Benbrook Lakeside Addition			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>			
A5. Latitude/Longitude: Lat. <u>32.6704 N</u> Long. <u>97.4597 W</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> 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 <u>8</u>			
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s)	<u>1435</u> sq ft	a) Square footage of attached garage	<u>426</u> sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade	<u>6</u>	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade	<u>0</u>
c) Total net area of flood openings in A8.b	<u>96</u> sq in	c) Total net area of flood openings in A9.b	<u>N/A</u> sq in
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No	

## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number City of Benbrook 480586		B2. County Name Tarrant		B3. State TX	
B4. Map/Panel Number 48439C0290	B5. Suffix K	B6. FIRM Index Date September 25, 2009	B7. FIRM Panel Effective/Revised Date September 25, 2009	B8. Flood Zone(s) AE, X	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 681.3'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> 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-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.  
Benchmark Utilized GPS/CORS Vertical Datum NAVD 1988  
Conversion/Comments \_\_\_\_\_

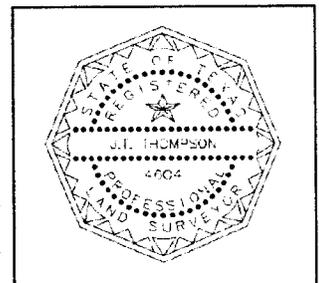
Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>682.3</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor	<u>683.8</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab)	<u>682.2</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>683.3</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG)	<u>682.3</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG)	<u>682.9</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>682.4</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> 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. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Certifier's Name	J.T. Thompson	License Number	4604
Title	R.P.L.S.	Company Name	Precise Land Surveying, Inc.
Address	4625 Eastover Drive	City	Mesquite
		State	TX
		ZIP Code	75149
Signature		Date	March 15, 2010
		Telephone	972-681-7072



<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1126 Warden Street	Policy Number
City Benbrook State TX ZIP Code 76126	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 BM = GPS/CORS (see attached report).

Air conditioner pad elevation = 683.3'

Signature \_\_\_\_\_ Date March 15, 2010  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, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the HAG.  
 b) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 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 _____
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- 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 \_\_\_\_\_
- G10. Community's design flood elevation \_\_\_\_\_  feet  meters (PR) Datum \_\_\_\_\_

Local Official's Name \_\_\_\_\_ Title \_\_\_\_\_

Community Name \_\_\_\_\_ Telephone \_\_\_\_\_

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

Comments \_\_\_\_\_

Check here if attachments

# Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1126 Warden Street	For Insurance Company Use: Policy Number
City Benbrook State TX ZIP Code TX	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.



**Canada Bass**

From: opus [opus@NGS.NOAA.GOV]  
 Sent: Tuesday, March 16, 2010 9:23 AM  
 To: Canada Bass  
 Subject: OPUS-RS solution : 210-0651.10o 000053058

FILE: 210-0651.10o 000053058

2005 NOTE: The IGS precise and IGS rapid orbits were not available  
 2005 at processing time. The IGS ultra-rapid orbit was/will be used to  
 2005 process the data.  
 2005

NGS OPUS-RS SOLUTION REPORT  
 =====

USER: cbass@preciselandsurveying.com	DATE: March 16, 2010
RINEX FILE: 210-074r.10o	TIME: 14:22:48 UTC
SOFTWARE: rsgps 1.35 RS23.prl 1.57	START: 2010/03/15 17:29:25
EPHemeris: igu15751.eph [ultra-rapid]	STOP: 2010/03/15 17:52:45
NAV FILE: brdc0740.10n	OBS USED: 3492 / 3699 : 94%
ANT NAME: TPSHIPER_LITE	QUALITY IND. 10.86/ 1.52
ARP HEIGHT: 1.5849	NORMALIZED RMS: 0.410

REF FRAME: NAD\_83(CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2010.20202)

X:	-697714.948 (m)	0.008 (m)	-697715.667 (m)	0.008 (m)
Y:	-5328972.205 (m)	0.024 (m)	-5328970.781 (m)	0.024 (m)
Z:	3423330.955 (m)	0.015 (m)	3423330.778 (m)	0.015 (m)

LAT:	32 40 12.99288	0.007 (m)	32 40 13.01115	0.007 (m)
E LON:	262 32 26.78148	0.007 (m)	262 32 26.74702	0.007 (m)
W LON:	97 27 33.21852	0.007 (m)	97 27 33.25298	0.007 (m)
EL HGT:	179.782 (m)	0.027 (m)	178.577 (m)	0.027 (m)
ORTHO HGT:	207.715 (m)	0.089 (m)	[NAVD88 (Computed using GEOID09)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 14)	SPC (4202 TXNC)
Northing (Y) [meters]	3615783.403	2111773.856
Easting (X) [meters]	644472.859	697611.828
Convergence [degrees]	0.83185888	0.56763158
Point Scale	0.99985738	0.99989463
Combined Factor	0.99982915	0.99986641

US NATIONAL GRID DESIGNATOR: 14SPB4447215783(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
DH7149	TXSG SAGINAW TX CORS ARP	N325120.556	W0972038.984	23220.4
DH7145	TXKE KEENE CORS ARP	N322434.932	W0971923.622	31595.5
DH7153	TXWE WEATHERFORD CORS ARP	N324532.010	W0974924.489	35536.5
DF5387	TXAR ARLINGTON RRP2 CORS ARP	N324532.499	W0970336.990	38677.2
DH7141	TXGR GLEN ROSE CORS ARP	N321425.372	W0974515.972	55166.0
DH7139	TXDC DECATUR CORS ARP	N331410.382	W0973631.186	64303.4
DF8988	TXES ELLIS CORS ARP	N322210.894	W0965145.960	65206.4
DH7147	TXMW MINERAL WELLS CORS ARP	N324814.987	W0980834.369	65777.9
DF8986	TXDE DENTON CORS ARP	N331237.612	W0970945.970	66012.4

NEAREST NGS PUBLISHED CONTROL POINT

CS2975 TEXAS PRODUCING CO OIL DERRICK N324028.894 W0972817.186 1245.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.