

TRAPOLIN ARCHITECTS

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Addendum #03

May 28, 2009

LOS ISLENOS MUSEUM COMPLEX REHABILITATION

1345 Bayou Road
St. Bernard Parish, LA 70085

This addendum shall become a permanent part of the complete set of drawings issued May 1, 2009 and specifications dated May 1, 2009 for the **Los Islenos Museum Rehabilitation**.

The plans and specifications are to be altered as follows:

Drawing/Spec Reference	Description of Change
General Information	
Insurance Requirements	1. If flood insurance is required; we are going to need flood elevation certificate for new building. <ul style="list-style-type: none"> - Flood Insurance certificate is attached. - Elevation certificates for each building are attached as requested. 2. Builder's Risk insurance and renovations cost can't be on the same policy, therefore we need an estimated cost break down for each building. <ul style="list-style-type: none"> - Cost breakdown on each building is attached.
Plywood Sheathing	Plywood sheathing is not required to be treated lumber.
Prior Approvals	See attached prior approvals on the requested mechanical items.
Drawings and Specifications	
BF-1, section 2	The statement "...to fully complete the project within, six (6) consecutive calendar months..." from the Notice to Proceed is to remain. Under no circumstances is the completion time to extend past January 15th, 2010.

Section 01500 Part 1, 1.2 USE CHARGES A&B	The contractor is responsible for payment of use charges for temporary Electrical Power Service. The existing water on site may be used by the contractor.
Section 15500	Where is the grease interceptor shown on plans? - No grease interceptor is shown on plans or included in the project. Refer to plumbing fixture schedule for all plumbing fixtures.
Specification 2361-1~2361-5	Clarify which treatment to use for termite control, i.e. Bait or Soil - Omit specification section 1.1, A.2 and any other related references. o No bait stations are required o Soil treatment per specifications is required at all buildings.
Specification Section 15500	Delete specification sections 15500/1.2-1.9, 1.12-1.34 and 1.36-1.70.
A-0.01	<p>1. Calls for 3 new cisterns; need specifications, details, and list of recommended manufacturers. Where does the cost for these cisterns go?</p> <ul style="list-style-type: none"> - Only 2 cisterns and 1 tabletop are required. Omit reference to larger cistern on A-0.01 at Los Islenos Museum. Please see sheet A-07.01, Site Plan for references to tabletop and cistern at Los Islenos Museum. The other cistern is located at the Esteves House as indicated on sheet A-0.01. - Specification Section - Nominal 2" Wood Cistern Tank Specifications attached. - The cost for the cistern and tabletop shall be included on the bid form under the Los Islenos Museum. The cost of the other cistern and items not related to a specific building shall be included on the bid form under the support facilities. <p>2. Calls for 3 new flag poles and new foundations; need specifications, details and where to put the cost on bid form.</p> <ul style="list-style-type: none"> - Specification Section 10350 – FLAGPOLES attached. - See attached SK02 for Flagpole foundation details. - The cost for the flag poles and items not related to a specific building shall be included on the bid form under the support facilities. <p>3. Need specifications for car stops and also parking stripes and where do we put the cost of it on bid form.</p> <ul style="list-style-type: none"> - Specification Section 02742 – PAVING ACCESSORIES attached. - The cost for car stops and also parking stripes and items not related to a specific building shall be included on the bid form under the support facilities. <p>4. Where do we put the cost of all the Site work and Selective site demolition?</p> <ul style="list-style-type: none"> - The cost for the Site work and Selective site demolition and items not related to a specific building shall be included on the bid form under the support facilities.

	<p>5. Plans call for new transformer pads and enclosure; need specifications and details for both fence and concrete pad. Where do we put the cost for it on the bid form?</p> <ul style="list-style-type: none"> - Specification Section 02821 – FENCES AND GATES attached. - See attached SK 01 for transformer fence detail. - The cost for new transformer pads and enclosure and items not related to a specific building shall be included on the bid form under the support facilities.
A-02.03	<p>Finished schedule calls for new vinyl in Restroom 106; need specifications.</p> <ul style="list-style-type: none"> - Specification Section 09651 – RESILIENT FLOOR TILE & BASE attached.
A-03.01	<p>New Treated Plywood Subfloor is to be ¾” thick.</p>
A-03.03	<p>Finished schedule calls for new vinyl in rooms 107& 108; need specifications.</p> <ul style="list-style-type: none"> - Omit vinyl and add new wood to floor material in the Finish Schedule in rooms 107 & 108. New wood flooring to be the same as the adjacent meeting room / kitchen flooring.
A-07.04 / specification 7311-2(section 2.3)	<p>Specifications call for a ridge vent and Drawings (A.07.04) show clay tile for roofing; please clarify.</p> <ul style="list-style-type: none"> - There will be no ridge vents on the Los Islenos Museum. Add (2) galvanized roof vents to the rear of the building. Refer to Detail 8 on Sheet A-09.02 for details on the new roof vents.
A-07.04	<p>1. Detail #6 (Cistern detail) Cistern manufacturer does not recommend oak boards at bottom of cistern because of rotting issues. What type of wood would be recommended instead of oak? Do wooden planks go on all three?</p> <ul style="list-style-type: none"> - Specification Section - Nominal 2" Wood Cistern Tank Specifications attached for recommended wood type. - Wood planks are only on one of the Cistern piers show on Sheet A-0.01 Site Plan. See sheet A-07.01 Site Plan for reference to plank top on piers and detail 5 on sheet A-07.04 for details. <p>3. Existing piers(detail #5)? One manufacturer states that tapered staves are more expensive than straight staves; please clarify which type of stave to use.</p> <ul style="list-style-type: none"> - Straight staves are acceptable in lieu of the specified tapered staves.
A-07.07	<p>The plans do not indicate Painting on the EXTERIOR LAP SIDING, Beaded Board Ceiling, or Soffit Areas</p> <ul style="list-style-type: none"> - Exterior lap siding, Beaded Board Ceiling and Soffit areas as well as wood porch post and railing and all wood materials on the Los Islenos Museum are to be primed and painted. The entire exterior and interior of the museum are to be painted with the exception of the wood floor which is to receive a clear finish.
A-07.12	<p>Detail #13 states cast iron and tile surrounding on fireplace; please clarify type.</p> <ul style="list-style-type: none"> - 2nd hand cast iron from salvage yard to be used for fireplaces with cast iron front.

	<ul style="list-style-type: none"> - Tile surrounds to be chosen from standard manufacturer. Allow \$500 / fireplace for purchase of materials only.
A-09.01	<p>1. Spec call for the Beaded Board Ceiling to be Pine, However there is no Indication to paint, prime or seal this area. Is this your Intention? Also There is no indication to paint, prime or seal the Beams or Columns on the Structure?</p> <ul style="list-style-type: none"> - All wood materials on the support facilities are to be primed and painted.
A-09.02	<p>1. Detail #5 does not show roof truss spacing and wind load design; please clarify.</p> <ul style="list-style-type: none"> - Roof Truss Spacing will be 2'-0" O.C. - Wind pressures for the roof are: <ul style="list-style-type: none"> o Corners and Edges: 44 PSF o Main part of roof: 39 PSF <p>2. Detail #8 does not specify type of material to be used for roof vents, i.e. aluminum, copper, galvanized</p> <ul style="list-style-type: none"> - Roof vents in detail 8 to be galvanized metal.
A-10.01	<p>Finish schedule does not show or call for finishing and painting for Trappers Cabin. Is painting or finishing required?</p> <ul style="list-style-type: none"> - No painting or finish is required for the Trapper's cabin.
P-0.03	<p>Where do we include the cost for sewer treatment plants, water supply lines and site plumbing on the bid form?</p> <ul style="list-style-type: none"> - The cost for each sewer treatment plant including supply lines and site work shall be included on the bid form under each building that requires a sewer treatment plant. - The sewer treatment plant for the Multi-Purpose Building can be included on the bid form under the Support Facilities. <p>1. Replace keynote 1 in its entirety with the following: Provide new sewer treatment plant, 500 gallon per day capacity with 60 feet of affluent reduction using infiltration. Locate new sewer treatment plant near existing sewer treat plant installation. Demolish existing sewer treatment plant. Connect new sewer treatment plant to existing outlet sewer line, install new exterior cleanout. Flush outlet sewer line to its end, install new backwater valve as needed. Report any deficiencies to the Architect.</p> <p>2. Replace keynote 2 in its entirety with the following: Provide new sewer treatment plant, 500 gallon per day capacity with 60 feet of affluent reduction using infiltration. Locate new sewer treatment plant near existing sewer treat plant installation. Demolish existing sewer treatment plant. Connect new sewer treatment plant to existing outlet sewer line, install new exterior cleanout. Flush outlet sewer line to its end, install new backwater valve as needed. Report any deficiencies to the Architect.</p> <p>3. Replace keynote 3 in its entirety with the following: Provide new sewer treatment plant, 1,000 gallon per day capacity with 120</p>

	<p>feet of affluent reduction using infiltration. Locate new sewer treatment plant near existing sewer treat plant installation. Demolish existing sewer treatment plant. Connect new sewer treatment plant to existing outlet sewer line, install new exterior cleanout. Flush outlet sewer line to its end, install new backwater valve as needed. Report any deficiencies to the Architect.</p>
P-07.01	<p>3/4" water line – where does this tie in?</p> <ul style="list-style-type: none"> - Connect to existing underground metered water line at rear of Islenos Museum.
FP-0.01	<p>Where do we include the cost for site fire-lines and for six inch (6") main fire water supply line?</p> <ul style="list-style-type: none"> - The cost for site fire-lines and for six inch (6") main fire water supply line and items not related to a specific building shall be included on the bid form under the support facilities.
E-01.01	<p>1. Where do we include the cost to include transformer and underground duct banks? How do we break down these line items?</p> <ul style="list-style-type: none"> - The cost to include transformer and underground duct banks and items not related to a specific building shall be included on the bid form under the support facilities. <p>2. Is M.C. cable acceptable for concealed branch circuit wiring?</p> <ul style="list-style-type: none"> - MC cable is not permitted for use on this project. <p>3. Is the wiring, transformer, and disconnect that is shown on the feeder wiring diagram for the multi-purpose building part of this contract, or does our work stop at the feeder junction box on the building with 10' of feeder slack for future use?</p> <ul style="list-style-type: none"> - The feeder for the Multi-Purpose Building shall be stubbed up into the feeder junction box on the building with 10 feet of feeder slack for future connections to the service rated switchboard/panelboard. <p>4. Is the wiring feeding future panel "ESL" included in this contract?</p> <ul style="list-style-type: none"> - The wiring feeding future panel 'ESL' is not included as part of this contract. <p>5. Is the wiring feeding future panel "ESK" included in this contract? If so, what size is the conduit and wire?</p> <ul style="list-style-type: none"> - Provide 3#6, 1#8G. 1-1/4"C. from panel 'ESH' at the Estopinal Salles House to the weather proof pull box located at 24 inch above the finished grade. See Specific Notes 6 and 7 on sheet E0.02. <p>6. To which bid items do we apply the following:</p> <ol style="list-style-type: none"> a. service and feeder for the multi-purpose bldg. b. panels "PH", "DPLP" and associated wiring. c. panel "ESH" and associated wiring. d. feeder and JB for panel "EH". e. exterior site lighting and associated wiring.

	<ul style="list-style-type: none"> - The cost for a, b, c, d & e listed above and items not related to a specific building shall be included on the bid form under the support facilities. <p>7. Provide 3#10, 1#10G.,1”C from distribution panelboard ‘PH’ via the underground duct back and hand holes to the weather proof junction box located adjacent to the future Esteves House for future panelboard ‘EH’.</p> <p>8. Provide 3#10, 1#10G.,1”C from distribution panelboard ‘PH’ via the underground duct back and hand holes to panelboard ‘CCH’.</p> <p>9. Panelboard ‘PH’ – Revise the circuit breakers serving panelboards ‘TC’, ‘EH’ and ‘CCH’ from 20 amp, 1 pole to 20 amp, 2 pole circuit breakers.</p>

cc: Doug Landry
Clyde Burnett
Peter Trapolin
All Bidders

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION			For Insurance Company Use:	
A1. Building Owner's Name <u>LOS ISLEÑOS HERITAGE & CULTURAL SOCIETY</u>			Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>1357 BAYOU ROAD</u>			Company NAIC Number	
City <u>ST. BERNARD</u>	State <u>LA</u>	ZIP Code <u>70085</u>		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>SECTION 28, T135-R13E, SOUTHEASTERN LAND DISTRICT, EAST OF THE MISSISSIPPI RIV.</u>				
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>NON-RESIDENTIAL</u>				
A5. Latitude/Longitude: Lat. <u>29° 52' 06.3" N</u> Long. <u>89° 51' 34.0" W</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input 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 _____				
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) _____ sq ft	a) Square footage of attached garage _____ sq ft			
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____			
c) Total net area of flood openings in A8.b _____ sq in	c) Total net area of flood openings in A9.b _____ sq in			
d) Engineered flood openings? <input 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 <u>ST. BERNARD PARISH (UNINCORPORATED AREA)</u>		B2. County Name <u>ST. BERNARD</u>		B3. State <u>LOUISIANA</u>	
B4. Map/Panel Number <u>225204 0A60</u>	B5. Suffix <u>B</u>	B6. FIRM Index Date <u>JUNE 30, 1999</u>	B7. FIRM Panel Effective/Revised Date <u>MAY 1, 1985</u>	B8. Flood Zone(s) <u>B</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>+2.5</u>
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 checked="" type="checkbox"/> NGVD 1929 <input 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 OBTAINED NAVD88 ELEV. VIA GPS STATIC OBSERVATION Vertical Datum NAVD88
Conversion/Comments CONVERTED ELEVATIONS TO NGVD 29 w/VERTCON; OPUS SOLUTION ATTACHED

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____ <u>7.29</u> <input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) _____ <input 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) _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) _____ <u>4.11</u> <input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) _____ <u>4.70</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>5.51</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 <u>RALPH R. GIPSON</u>	License Number <u>4790 (LA)</u>
Title <u>PROFESSIONAL LAND SURVEYOR</u>	Company Name <u>FENSTERMAKER</u>
Address <u>1100 PONDRAIS, SUITE 1550</u>	City <u>NEW ORLEANS</u>
State <u>LA</u>	ZIP Code <u>70163</u>
Signature <u>R.R. Gipson</u>	Date <u>MAY 28, 2009</u>
Telephone <u>504-582-2201</u>	



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. <u>1357 BAYOU ROAD</u>			Policy Number
City <u>ST. BERNARD</u>	State <u>LA</u>	ZIP Code <u>70085</u>	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

Signature [Signature] Date MAY 28, 2009 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. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	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 on the reverse.



FRONT VIEW

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. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	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 on the reverse.



LEFT SIDE VIEW

FILE: 0415156q.080 000369958

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 SOLUTION REPORT

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy

USER: jeffdevine@charter.net DATE: June 04, 2008
RINEX FILE: 0415156q.08o TIME: 23:58:21 UTC

SOFTWARE: page5 0612.06 master12.pl START: 2008/06/04 16:54:00
EPHEMERIS: igu14823.eph [ultra-rapid] STOP: 2008/06/04 20:00:00
NAV FILE: brdc1560.08n OBS USED: 5902 / 6959 : 85%
ANT NAME: TPSHIPER_LITE NONE # FIXED AMB: 48 / 53 : 91%
ARP HEIGHT: 1.606 OVERALL RMS: 0.022 (m)

REF FRAME: NAD_83 (CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2008.4256)

X: 13642.256 (m) 0.028 (m) 13641.570 (m) 0.028 (m)
Y: -5535519.434 (m) 0.048 (m) -5535517.937 (m) 0.048 (m)
Z: 3157682.504 (m) 0.030 (m) 3157682.304 (m) 0.030 (m)

LAT: 29 52 4.85115 0.003 (m) 29 52 4.86976 0.003 (m)
E LON: 270 8 28.33741 0.027 (m) 270 8 28.31198 0.027 (m)
W LON: 89 51 31.66259 0.027 (m) 89 51 31.68802 0.027 (m)
EL HGT: -24.441 (m) 0.056 (m) -25.840 (m) 0.056 (m)
ORTHO HGT: 1.318 (m) 0.077 (m) [NAVD88 (Computed using GEOID03)]

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 16)	SPC (1702 LA S)
Northing (Y) [meters]	3307593.063	152553.206
Easting (X) [meters]	223853.528	1142446.464
Convergence [degrees]	-1.42459315	0.73728780
Point Scale	1.00054097	0.99992842
Combined Factor	1.00054481	0.99993226

US NATIONAL GRID DESIGNATOR: 16RBU2385407593(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
DH9596	DSTR DESTRAHAN H.S. CORS ARP	N295752.395	W0902256.007	51666.1
DJ9603	LWES LAKEWOOD ELMENTRY CORS ARP	N295401.295	W0902057.833	47526.5
DH9599	NOLA LOYOLA UNIVERSITY CORS ARP	N295603.732	W0900712.646	26294.7

NEAREST NGS PUBLISHED CONTROL POINT

AT0787 SB 026 B N295220. W0895124. 511.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name <i>LOS ISLEÑOS HERITAGE & CULTURAL SOCIETY</i>		Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <i>1357 BAYOU ROAD</i>		Company NAIC Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <i>SECTION 28, T135-R13E, SOUTHEASTERN LAND DISTRICT, EAST OF THE MISSISSIPPI RIV.</i>		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <i>NON-RESIDENTIAL</i>		
A5. Latitude/Longitude: Lat. <i>29°52'09.2"N</i> Long. <i>89°51'33.6"W</i> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input 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 _____		
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) _____ sq ft		a) Square footage of attached garage _____ sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in
d) Engineered flood openings? <input 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 <i>ST. BERNARD PARISH (UNINCORPORATED AREA)</i>		B2. County Name <i>ST. BERNARD</i>	B3. State <i>LOUISIANA</i>		
B4. Map/Panel Number <i>225204 0460</i>	B5. Suffix <i>B</i>	B6. FIRM Index Date <i>JUNE 30, 1999</i>	B7. FIRM Panel Effective/Revised Date <i>MAY 1, 1985</i>	B8. Flood Zone(s) <i>B</i>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <i>+2.5</i>
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 checked="" type="checkbox"/> NGVD 1929 <input 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 *OBTAINED NAVD88 ELEV. VIA GPS STATIC OBSERVATION* Vertical Datum *NAVD88*
Conversion/Comments *CONVERTED ELEVATIONS TO NGVD 29 w/VERTCON; OPUS SOLUTION ATTACHED*

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____ <i>7.74</i> <input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) _____ <input 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) _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) _____ <i>3.99</i> <input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) _____ <i>4.14</i> <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 _____ <i>4.07</i> <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 <i>RALPH R. GIPSON</i>	License Number <i>4790 (LA)</i>
Title <i>PROFESSIONAL LAND SURVEYOR</i>	Company Name <i>FENSTERMAKER</i>
Address <i>1100 BAYDRAS, SUITE 1550</i>	City <i>NEW ORLEANS</i>
State <i>LA</i>	ZIP Code <i>70163</i>
Signature <i>R.R. GIPSON</i>	Date <i>MAY 28, 2009</i>
Telephone <i>504-582-2201</i>	



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. 1357 BAYOU ROAD			Policy Number
City ST. BERNARD, LA	State LA	ZIP Code 70085	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

Signature  Date MAY 28, 2009 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
-------------------	------------------------	---

- 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. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	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 on the reverse.



FRONT VIEW

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. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	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 on the reverse.



RIGHT SIDE VIEW

FILE: 0415156q.080 000369958

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 SOLUTION REPORT
=====

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy

USER: jeffdevine@charter.net DATE: June 04, 2008
RINEX FILE: 0415156q.08o TIME: 23:58:21 UTC

SOFTWARE: page5 0612.06 master12.pl START: 2008/06/04 16:54:00
EPHEMERIS: igu14823.eph [ultra-rapid] STOP: 2008/06/04 20:00:00
NAV FILE: brdc1560.08n OBS USED: 5902 / 6959 : 85%
ANT NAME: TPSHIPER_LITE NONE # FIXED AMB: 48 / 53 : 91%
ARP HEIGHT: 1.606 OVERALL RMS: 0.022(m)

REF FRAME: NAD_83(CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2008.4256)

X:	13642.256(m)	0.028(m)	13641.570(m)	0.028(m)
Y:	-5535519.434(m)	0.048(m)	-5535517.937(m)	0.048(m)
Z:	3157682.504(m)	0.030(m)	3157682.304(m)	0.030(m)
LAT:	29 52 4.85115	0.003(m)	29 52 4.86976	0.003(m)
E LON:	270 8 28.33741	0.027(m)	270 8 28.31198	0.027(m)
W LON:	89 51 31.66259	0.027(m)	89 51 31.68802	0.027(m)
EL HGT:	-24.441(m)	0.056(m)	-25.840(m)	0.056(m)
ORTHO HGT:	1.318(m)	0.077(m)	[NAVD88 (Computed using GEOID03)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 16)	SPC (1702 LA S)
Northing (Y) [meters]	3307593.063	152553.206
Easting (X) [meters]	223853.528	1142446.464
Convergence [degrees]	-1.42459315	0.73728780
Point Scale	1.00054097	0.99992842
Combined Factor	1.00054481	0.99993226

US NATIONAL GRID DESIGNATOR: 16RBU2385407593(NAD 83)

BASE STATIONS USED					
PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)	
DH9596	DSTR DESTRAHAN H.S. CORS ARP	N295752.395	W0902256.007	51666.1	
DJ9603	LWES LAKEWOOD ELMENTRY CORS ARP	N295401.295	W0902057.833	47526.5	
DH9599	NOLA LOYOLA UNIVERSITY CORS ARP	N295603.732	W0900712.646	26294.7	

NEAREST NGS PUBLISHED CONTROL POINT				
PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
AT0787	SB 026 B	N295220.	W0895124.	511.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or

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 <u>LOS ISLEND'S HERITAGE CULTURAL SOCIETY</u>		For Insurance Company Use:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>1357 BAYOU ROAD</u>		Policy Number	
City <u>ST. BERNARD</u>		Company NAIC Number	
State <u>LA</u>		ZIP Code <u>70085</u>	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>SECTION 28, T135-R13E, SOUTHEASTERN LAND DISTRICT, EAST OF THE MISSISSIPPI RIV.</u>			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>NON-RESIDENTIAL</u>			
A5. Latitude/Longitude: Lat. <u>29° 52' 04.8" N</u> Long. <u>89° 51' 36.8" W</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input 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>5</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) _____ sq ft	a) Square footage of attached garage _____ sq ft		
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____		
c) Total net area of flood openings in A8.b _____ sq in	c) Total net area of flood openings in A9.b _____ sq in		
d) Engineered flood openings? <input 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 <u>ST. BERNARD PARISH (UNINCORPORATED AREA)</u>		B2. County Name <u>ST. BERNARD</u>		B3. State <u>LOUISIANA</u>	
B4. Map/Panel Number <u>225204 0460</u>	B5. Suffix <u>B</u>	B6. FIRM Index Date <u>JUNE 30, 1999</u>	B7. FIRM Panel Effective/Revised Date <u>MAY 1, 1985</u>	B8. Flood Zone(s) <u>B</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>+2.5</u>

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)?
 Designation Date _____ CBRS OPA Yes No

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 OBTAINED NAVD88 ELEV. VIA GPS STATIC OBSERVATION Vertical Datum NAVD88
 Conversion/Comments CONVERTED ELEVATIONS TO NGVD 29 w/VERTCON; OPUS SOLUTION ATTACHED

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____ <u>7.43</u> <input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) _____ <input 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) _____ <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) _____ <u>5.07</u> <input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) _____ <u>5.56</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>5.29</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 <u>RALPH R. GIPSON</u>		License Number <u>4790 (LA)</u>	
Title <u>PROFESSIONAL LAND SURVEYOR</u>	Company Name <u>FENSTERMAKER</u>		
Address <u>1100 PONDRAIS, SUITE 1550</u>	City <u>NEW ORLEANS</u>	State <u>LA</u>	ZIP Code <u>70163</u>
Signature <u>R.R. GIPSON</u>	Date <u>MAY 28, 2009</u>	Telephone <u>504-582-2201</u>	



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. 1357 BAYOU ROAD			Policy Number
City ST. BERNARD	State LA	ZIP Code 70085	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

Signature [Signature] Date MAY 28, 2009 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
-------------------	------------------------	---

- 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.			For Insurance Company Use:
1357 Bayou Road			Policy Number
City	State	ZIP Code	Company NAIC Number
ST. BERNARD	LA	70085	

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 on the reverse.



FRONT VIEW

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.			For Insurance Company Use:
1357 BAYOU ROAD			Policy Number
City	State	ZIP Code	Company NAIC Number
ST. BERNARD	LA	70095	

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 on the reverse.



RIGHT SIDE VIEW

FILE: 0415156q.080 000369958

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 SOLUTION REPORT
=====

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy

USER: jeffdevine@charter.net DATE: June 04, 2008
RINEX FILE: 0415156q.08o TIME: 23:58:21 UTC

SOFTWARE: page5 0612.06 master12.pl START: 2008/06/04 16:54:00
EPHEMERIS: igu14823.eph [ultra-rapid] STOP: 2008/06/04 20:00:00
NAV FILE: brdc1560.08n OBS USED: 5902 / 6959 : 85%
ANT NAME: TPSHIPER_LITE NONE # FIXED AMB: 48 / 53 : 91%
ARP HEIGHT: 1.606 OVERALL RMS: 0.022 (m)

REF FRAME: NAD_83 (CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2008.4256)

X:	13642.256 (m)	0.028 (m)	13641.570 (m)	0.028 (m)
Y:	-5535519.434 (m)	0.048 (m)	-5535517.937 (m)	0.048 (m)
Z:	3157682.504 (m)	0.030 (m)	3157682.304 (m)	0.030 (m)

LAT:	29 52 4.85115	0.003 (m)	29 52 4.86976	0.003 (m)
E LON:	270 8 28.33741	0.027 (m)	270 8 28.31198	0.027 (m)
W LON:	89 51 31.66259	0.027 (m)	89 51 31.68802	0.027 (m)
EL HGT:	-24.441 (m)	0.056 (m)	-25.840 (m)	0.056 (m)
ORTHO HGT:	1.318 (m)	0.077 (m)	[NAVD88 (Computed using GEOID03)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 16)	SPC (1702 LA S)
Northing (Y) [meters]	3307593.063	152553.206
Easting (X) [meters]	223853.528	1142446.464
Convergence [degrees]	-1.42459315	0.73728780
Point Scale	1.00054097	0.99992842
Combined Factor	1.00054481	0.99993226

US NATIONAL GRID DESIGNATOR: 16RBU2385407593(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE (m)
DH9596	DSTR DESTRAHAN H.S. CORS ARP	N295752.395	W0902256.007	51666.1
DJ9603	LWES LAKEWOOD ELMENTRY CORS ARP	N295401.295	W0902057.833	47526.5
DH9599	NOLA LOYOLA UNIVERSITY CORS ARP	N295603.732	W0900712.646	26294.7

NEAREST NGS PUBLISHED CONTROL POINT

AT0787	SB 026 B	N295220.	W0895124.	511.5
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This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION			For Insurance Company Use:
A1. Building Owner's Name	<u>Los Isleños Heritage & Cultural Society</u>		Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	<u>1357 Bayou Road</u>		Company NAIC Number
City	<u>St. Bernard</u>	State	ZIP Code
		<u>LA</u>	<u>70085</u>
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>SECTION 28, T135-R13E, SOUTHEASTERN LAND DISTRICT, EAST OF THE MISSISSIPPI Rv.</u>			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>NON-RESIDENTIAL</u>			
A5. Latitude/Longitude: Lat. <u>29°52'04.2"N</u> Long. <u>89°51'34.0"</u>		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input 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 _____			
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)	_____ sq ft	a) Square footage of attached garage	_____ sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade	_____	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade	_____
c) Total net area of flood openings in A8.b	_____ sq in	c) Total net area of flood openings in A9.b	_____ sq in
d) Engineered flood openings? <input 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 <u>ST. BERNARD PARISH (UNINCORPORATED AREA)</u>		B2. County Name <u>ST. BERNARD</u>		B3. State <u>LOUISIANA</u>	
B4. Map/Panel Number <u>225204 0A60</u>	B5. Suffix <u>B</u>	B6. FIRM Index Date <u>JUNE 30, 1999</u>	B7. FIRM Panel Effective/Revised Date <u>MAY 1, 1985</u>	B8. Flood Zone(s) <u>B</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>+2.5</u>
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 Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input checked="" type="checkbox"/> NGVD 1929 <input 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 OBTAINED NAVD88 ELEV. VIA GPS STATIC OBSERVATION Vertical Datum NAVD88
Conversion/Comments CONVERTED ELEVATIONS TO NGVD 29 w/VERT CON; OPUS SOLUTION ATTACHED

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	_____ feet	<input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor	_____ feet	<input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	_____ feet	<input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab)	_____ 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)	_____ feet	<input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG)	<u>5.63</u> <input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG)	<u>5.60</u> <input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	_____ 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	<u>RALPH R. GIPSON</u>	License Number	<u>4790 (LA)</u>
Title	<u>PROFESSIONAL LAND SURVEYOR</u>	Company Name	<u>FENSTERMAKER</u>
Address	<u>1100 Poydras, Suite 1550</u>	City	<u>NEW ORLEANS</u>
		State	<u>LA</u>
		ZIP Code	<u>70163</u>
Signature	<u>[Signature]</u>	Date	<u>MAY 28, 2009</u>
		Telephone	<u>504-582-2201</u>




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. 1357 BAYOU ROAD			Policy Number
City ST. BERNARD,	State LA	ZIP Code 70085	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

Signature  Date May 28, 2009 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
-------------------	------------------------	---

- 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. <i>1357 BAYOU ROAD</i>			For Insurance Company Use:
			Policy Number
City <i>ST BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	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 on the reverse.



FRONT VIEW

Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."



LEFT SIDE VIEW

FILE: 0415156q.080 000369958

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 SOLUTION REPORT

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy

USER: jeffdevine@charter.net DATE: June 04, 2008
RINEX FILE: 0415156q.08o TIME: 23:58:21 UTC

SOFTWARE: page5 0612.06 master12.pl START: 2008/06/04 16:54:00
EPHEMERIS: igu14823.eph [ultra-rapid] STOP: 2008/06/04 20:00:00
NAV FILE: brdc1560.08n OBS USED: 5902 / 6959 : 85%
ANT NAME: TPSHIPER_LITE NONE # FIXED AMB: 48 / 53 : 91%
ARP HEIGHT: 1.606 OVERALL RMS: 0.022(m)

REF FRAME: NAD_83(CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2008.4256)

X: 13642.256(m) 0.028(m) 13641.570(m) 0.028(m)
Y: -5535519.434(m) 0.048(m) -5535517.937(m) 0.048(m)
Z: 3157682.504(m) 0.030(m) 3157682.304(m) 0.030(m)
LAT: 29 52 4.85115 0.003(m) 29 52 4.86976 0.003(m)
E LON: 270 8 28.33741 0.027(m) 270 8 28.31198 0.027(m)
W LON: 89 51 31.66259 0.027(m) 89 51 31.68802 0.027(m)
EL HGT: -24.441(m) 0.056(m) -25.840(m) 0.056(m)
ORTHO HGT: 1.318(m) 0.077(m) [NAVD88 (Computed using GEOID03)]

UTM COORDINATES STATE PLANE COORDINATES
UTM (Zone 16) SPC (1702 LA S)
Northing (Y) [meters] 3307593.063 152553.206
Easting (X) [meters] 223853.528 1142446.464
Convergence [degrees] -1.42459315 0.73728780
Point Scale 1.00054097 0.99992842
Combined Factor 1.00054481 0.99993226

US NATIONAL GRID DESIGNATOR: 16RBU2385407593(NAD 83)

BASE STATIONS USED
PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m)
DH9596 DSTR DESTRAHAN H.S. CORS ARP N295752.395 W0902256.007 51666.1
DJ9603 LWES LAKEWOOD ELMENTRY CORS ARP N295401.295 W0902057.833 47526.5
DH9599 NOLA LOYOLA UNIVERSITY CORS ARP N295603.732 W0900712.646 26294.7

NEAREST NGS PUBLISHED CONTROL POINT
AT0787 SB 026 B N295220. W0895124. 511.5

This position and the above vector components were computed without any
knowledge by the National Geodetic Survey regarding the equipment or

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 <i>Los Isleños Heritage & Cultural Society</i>		For Insurance Company Use:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <i>1357 BAYOU ROAD</i>		Policy Number	
City <i>ST. BERNARD</i>		State <i>LA</i>	ZIP Code <i>70085</i>
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <i>SECTION 28, T135-R13E, SOUTHEASTERN LAND DISTRICT, EAST OF THE MISSISSIPPI RIV.</i>			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <i>NON-RESIDENTIAL</i>			
A5. Latitude/Longitude: Lat. <i>29°52'06.6"N</i> Long. <i>89°51'35.2"W</i> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input 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 _____			
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) _____ sq ft		a) Square footage of attached garage _____ sq ft	
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____	
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in	
d) Engineered flood openings? <input 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 <i>ST. BERNARD PARISH (UNINCORPORATED AREA)</i>		B2. County Name <i>ST. BERNARD</i>		B3. State <i>LOUISIANA</i>	
B4. Map/Panel Number <i>225204 0460</i>	B5. Suffix <i>B</i>	B6. FIRM Index Date <i>JUNE 30, 1999</i>	B7. FIRM Panel Effective/Revised Date <i>MAY 1, 1985</i>	B8. Flood Zone(s) <i>B</i>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <i>+2.5</i>
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 checked="" type="checkbox"/> NGVD 1929 <input 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 *OBTAINED NAVD88 ELEV. VIA GPS STATIC OBSERVATION* Vertical Datum *NAVD88*
Conversion/Comments *CONVERTED ELEVATIONS TO NGVD 29 w/VERTCON; OPUS SOLUTION ATTACHED*

	Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) _____	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor _____	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) _____	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) _____	<input 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) _____	<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) <i>5.13</i>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) <i>5.63</i>	<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 _____	<input 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 <i>RALPH R. GIPSON</i>		License Number <i>4790 (LA)</i>	
Title <i>PROFESSIONAL LAND SURVEYOR</i>	Company Name <i>FENSTERMAKER</i>		
Address <i>1100 BAYDRAS, SUITE 1550</i>	City <i>NEW ORLEANS</i>	State <i>LA</i>	ZIP Code <i>70163</i>
Signature <i>[Signature]</i>	Date <i>MAY 28, 2009</i>	Telephone <i>504-582-2201</i>	




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. 1357 BAYVIEW ROAD			Policy Number
City ST. BERNARD	State LA	ZIP Code 70085	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

Signature  Date MAY 28, 2009 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
-------------------	------------------------	---

- 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

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."



LOOKING WEST

Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNAIRD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."



LOOKING NORTH

FILE: 0415156q.080 000369958

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 SOLUTION REPORT

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy

USER: jeffdevine@charter.net DATE: June 04, 2008
RINEX FILE: 0415156q.08o TIME: 23:58:21 UTC

SOFTWARE: page5 0612.06 master12.pl START: 2008/06/04 16:54:00
EPHEMERIS: igul4823.eph [ultra-rapid] STOP: 2008/06/04 20:00:00
NAV FILE: brdc1560.08n OBS USED: 5902 / 6959 : 85%
ANT NAME: TPSHIPER_LITE NONE # FIXED AMB: 48 / 53 : 91%
ARP HEIGHT: 1.606 OVERALL RMS: 0.022(m)

REF FRAME: NAD_83(CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2008.4256)

X: 13642.256(m) 0.028(m) 13641.570(m) 0.028(m)
Y: -5535519.434(m) 0.048(m) -5535517.937(m) 0.048(m)
Z: 3157682.504(m) 0.030(m) 3157682.304(m) 0.030(m)
LAT: 29 52 4.85115 0.003(m) 29 52 4.86976 0.003(m)
E LON: 270 8 28.33741 0.027(m) 270 8 28.31198 0.027(m)
W LON: 89 51 31.66259 0.027(m) 89 51 31.68802 0.027(m)
EL HGT: -24.441(m) 0.056(m) -25.840(m) 0.056(m)
ORTHO HGT: 1.318(m) 0.077(m) [NAVD88 (Computed using GEOID03)]

UTM COORDINATES STATE PLANE COORDINATES
UTM (Zone 16) SPC (1702 LA S)
Northing (Y) [meters] 3307593.063 152553.206
Easting (X) [meters] 223853.528 1142446.464
Convergence [degrees] -1.42459315 0.73728780
Point Scale 1.00054097 0.99992842
Combined Factor 1.00054481 0.99993226

US NATIONAL GRID DESIGNATOR: 16RBU2385407593(NAD 83)

BASE STATIONS USED
PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m)
DH9596 DSTR DESTRAHAN H.S. CORS ARP N295752.395 W0902256.007 51666.1
DJ9603 LWES LAKEWOOD ELEMENTRY CORS ARP N295401.295 W0902057.833 47526.5
DH9599 NOLA LOYOLA UNIVERSITY CORS ARP N295603.732 W0900712.646 26294.7

NEAREST NGS PUBLISHED CONTROL POINT
AT0787 SB 026 B N295220. W0895124. 511.5

This position and the above vector components were computed without any
knowledge by the National Geodetic Survey regarding the equipment or

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION			For Insurance Company Use:
A1. Building Owner's Name	Los Isleños Heritage & Cultural Society		Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	1357 Bayou Road		Company NAIC Number
City	State	ZIP Code	
St. Bernard	LA	70085	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) SECTION 28, T135-R13E, SOUTHEASTERN LAND DISTRICT, EAST OF THE MISSISSIPPI RIV.			
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) NON-RESIDENTIAL			
A5. Latitude/Longitude: Lat. 29° 52' 07.4" N Long. 89° 51' 34.8" W Horizontal Datum: <input type="checkbox"/> NAD 1927 <input 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 _____			
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)	_____ sq ft	a) Square footage of attached garage	_____ sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade	_____	b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade	_____
c) Total net area of flood openings in A8.b	_____ sq in	c) Total net area of flood openings in A9.b	_____ sq in
d) Engineered flood openings? <input 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 ST. BERNARD PARISH (UNINCORPORATED AREA)		B2. County Name ST. BERNARD		B3. State LOUISIANA	
B4. Map/Panel Number 225204 0460	B5. Suffix B	B6. FIRM Index Date JUNE 30, 1999	B7. FIRM Panel Effective/Revised Date MAY 1, 1985	B8. Flood Zone(s) B	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) +2.5
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 checked="" type="checkbox"/> NGVD 1929 <input 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)? Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

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 OBTAINED NAVD88 ELEV. VIA GPS STATIC OBSERVATION Vertical Datum NAVD88
Conversion/Comments CONVERTED ELEVATIONS TO NGVD 29 w/VERT CON; OPUS SOLUTION ATTACHED

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	7.68	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor		<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)		<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab)		<input 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)		<input type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG)	4.38	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG)	4.24	<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	4.67	<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	RALPH R. GIPSON		License Number	4790 (LA)
Title	PROFESSIONAL LAND SURVEYOR	Company Name	FENSTERMAKER	
Address	1100 Poydras, Suite 1550	City	NEW ORLEANS	State
			LA	ZIP Code
				70163
Signature	[Signature]	Date	MAY 28, 2009	Telephone
				504-582-2201



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. 1357 BAYOU ROAD			Policy Number
City ST. BERNARD	State LA	ZIP Code 70085	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

Signature [Signature] Date MAY 20, 2009 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
-------------------	------------------------	---

- 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. <i>1357 BAYOU ROAD</i>			For Insurance Company Use: Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	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 on the reverse.



FRONT VIEW

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. <i>1357 BAYOU ROAD</i>			For Insurance Company Use:
			Policy Number
City <i>ST. BERNARD</i>	State <i>LA</i>	ZIP Code <i>70085</i>	Company NAIC Number

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LEFT SIDE VIEW

FILE: 0415156q.080 000369958

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 SOLUTION REPORT
=====

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy

USER: jeffdevine@charter.net DATE: June 04, 2008
RINEX FILE: 0415156q.08o TIME: 23:58:21 UTC

SOFTWARE: page5 0612.06 master12.pl START: 2008/06/04 16:54:00
EPHEMERIS: igu14823.eph [ultra-rapid] STOP: 2008/06/04 20:00:00
NAV FILE: brdc1560.08n OBS USED: 5902 / 6959 : 85%
ANT NAME: TPSHIPER_LITE NONE # FIXED AMB: 48 / 53 : 91%
ARP HEIGHT: 1.606 OVERALL RMS: 0.022(m)

REF FRAME: NAD_83(CORS96) (EPOCH:2002.0000) ITRF00 (EPOCH:2008.4256)

X:	13642.256(m)	0.028(m)	13641.570(m)	0.028(m)
Y:	-5535519.434(m)	0.048(m)	-5535517.937(m)	0.048(m)
Z:	3157682.504(m)	0.030(m)	3157682.304(m)	0.030(m)

LAT:	29 52 4.85115	0.003(m)	29 52 4.86976	0.003(m)
E LON:	270 8 28.33741	0.027(m)	270 8 28.31198	0.027(m)
W LON:	89 51 31.66259	0.027(m)	89 51 31.68802	0.027(m)
EL HGT:	-24.441(m)	0.056(m)	-25.840(m)	0.056(m)
ORTHO HGT:	1.318(m)	0.077(m)	[NAVD88 (Computed using GEOID03)]	

	UTM COORDINATES	STATE PLANE COORDINATES
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Convergence [degrees]	-1.42459315	0.73728780
Point Scale	1.00054097	0.99992842
Combined Factor	1.00054481	0.99993226

US NATIONAL GRID DESIGNATOR: 16RBU2385407593(NAD 83)

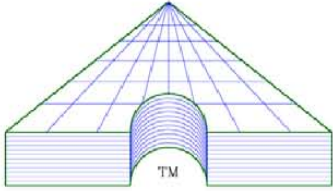
BASE STATIONS USED					
PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)	
DH9596	DSTR DESTRAHAN H.S. CORS ARP	N295752.395	W0902256.007	51666.1	
DJ9603	LWES LAKEWOOD ELMENTRY CORS ARP	N295401.295	W0902057.833	47526.5	
DH9599	NOLA LOYOLA UNIVERSITY CORS ARP	N295603.732	W0900712.646	26294.7	

NEAREST NGS PUBLISHED CONTROL POINT				
PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
AT0787	SB 026 B	N295220.	W0895124.	511.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or

Islenos Museum Complex
 Preliminary Cost Estimates and Fees

Facility	Reference #	NEMIS #	TA Budget
Coconut Island Bar	SBBC-49	8815	6,930.00
Coconut Island Bar Building	PGE33-3	3870	24,963.94
Cresap-Caserta House	PGE33-8	3268	40,602.90
Ducros Museum	PGE-32	12081	463,173.08
Los Islenos Museum	PGE33-1	3777	709,504.00
Support Facilities	PGE33-9	3737	427,305.18
Trapper's Cabin	PGE33-4	3754	36,379.89
			\$1,708,858.99



ASSOCIATED DESIGN GROUP, INC.
A PROFESSIONAL ENGINEERING COMPANY
NEW ORLEANS, LOUISIANA

NEW ORLEANS OFFICE
1010 Common Street
Suite 2405
New Orleans, LA 70112
P: 504-561-6333
F: 504-561-6338
www.adginc.org
adgno@adginc.org

May 26, 2009

ENGINEERING PERSONNEL

Herbert "Trey" Alexander, III, PE
Keith L. Andrepont, PE
Mark A. Aymond, PE
Lawrence W. Blanchette, PE
Lance J. Bonadona, PE
Patrick Boudreaux
Perry S. Brown, PE
Craig Campbell, PE
Kevin Doucet, EI
Naga Prasanth Dharanikota
Ron A. Garris
George Gregory
Claire Jumonville, EI
Jeremy S. LeCarpentier, PE
Tom W. LeJeune, EI
Roland LeLeux, AE, HFDP
Glen McBride
Richard Mitcham
Arjun Pakalapati
Mike Sperry, PE
David B. Stelly, PE
Thomas P. Van Deventer

Mr. Chris Chimento
Trapolin Architects
639 Julia Street
New Orleans, LA 70130

**RE: Los Islenos Museum Complex
ADG #08240**

Dear Chris,

Please include the following mechanical items to your next addendum:

Prior Approvals

The following items are prior approved and are subject to the requirements of the specifications.

<u>Description</u>	<u>Manufacturer</u>
Access Doors	Ruskin
Exhaust Fans	Twin City Fan
Grilles, Registers and Diffusers	Nailor
Fire Dampers	Nailor
Fire/Smoke Dampers	Nailor
Manual Dampers	Greenheck Nailor
Motorized Dampers	Greenheck Nailor
Electric Unit Heaters	Raywall Reddi

FOUNDER
Terry Gaudet, PE

CORPORATE OFFICE
114 Toledo Drive
Lafayette, LA 70506
P: 337-234-5710
F: 337-237-1467

MEMBER FIRM OF THE



Website:
adginc.org
Corporate E-Mail:
adginc@adginc.org

Mr. Chris Chimento
Los Islenos Museum Complex
ADG #08240
May 26, 2009
Page Two

Description

Manufacturer

Louvers

Ruskin
United Enertech

Spin-In Fittings

Dace

Fire Alarm

Siemens FS-250

Gamewell FCI 7100

If you have any questions or need further assistance, please do not hesitate to call me.

Very truly yours,



Lance J. Bonadona, P.E.
Associated Design Group, Inc.

LJB/jab

SECTION 02821 - FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes fences and swing gates.

1.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: fence and gate framework shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7 :
 - 1. Minimum Post Size: Determine according to ASTM F 1043 for framework up to 12 feet high, and post spacing not to exceed 10 feet for .

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
- C. Samples: For each polymer-coated product and for each color and texture specified, in 6-inch lengths for components and on full-sized units for accessories.
- D. Operation and maintenance data.
- E. Sample of special warranty.

1.4 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which Installer agrees to repair or replace components of fences and gates that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FENCE SLATS

- A. General: Provide slats in the Western Red Cedar Lumber Association (WRCLA) and (compliance with requirements indicated below:
1. Species: WRCLA Western Red Cedar
 2. Product Pattern: Rough Sawn
 3. Size: 1x6 in.
 4. Product Standard or Grade: WRCLA Architect Knotty.
 5. Height: As indicated on Drawings.

2.2 FENCE FRAMING

- A. Posts and Rails: Comply with ASTM F 1043 for framing, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 or ASTM F 1083 based on the following:
1. Fence Height: As indicated on Drawings.
 2. Heavy Industrial Strength: Material Group IA, round steel pipe, Schedule 40
 - a. Line Post: 2.375 inches in diameter.
 - b. End, Corner and Pull Post: 2.375 inches in diameter.
 3. Horizontal Framework Members: Intermediate top and bottomrails complying with ASTM F 1043.
 4. Brace Rails: Comply with ASTM F 1043.
 5. Metallic Coating for Steel Framing:
 - a. Type A zinc coating.

2.3 SWING GATES

- A. General: Comply with ASTM F 900 for gate posts and swing gate types.
1. Gate Leaf Width: As indicated.
- B. Pipe and Tubing:
1. Zinc-Coated Steel: Comply with ASTM F 1043 and ASTM F 1083; protective coating and finish to match fence framing.
- C. Frame Corner Construction: Welded or assembled with corner fittings.
- D. Hardware:
1. Hinges: 360-degree inward and outward swing.

2. Latches permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.

2.4 FITTINGS

- A. General: Comply with ASTM F 626.
- B. Finish:
 1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz. /sq. ft. zinc.

2.5 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.
 1. Do not begin installation before final grading is completed unless otherwise permitted by Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.
- D. Install fencing to comply with ASTM F 567 and more stringent requirements indicated.
- E. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- F. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
 2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
 - a. Concealed Concrete: Top 2 inches below grade to allow covering with surface material.

- G. Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more.
- H. Line Posts: Space line posts uniformly at 96 inches o.c.
- I. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.
- J. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

END OF SECTION 02821

Nominal 2" Wood Cistern Tank Specifications

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes the construction of wood cistern tanks and includes:
 1. Nominal 2" Wood Tank "Cistern"
 2. Bottoms
 3. Staves
 4. Hoops
 5. Lugs
 6. Roof Covering

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For "Cisterns". Include plans, elevations, sections, details, and attachments to other work.
- C. Samples for each exposed product and for each color and texture specified.
- D. Product certificates.
- E. Maintenance data.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 1. **Timber Tanks of Texas**
10608 Hwy 290 W, Austin 78736
(800) 463-1898, (512) 301-0869 *wooden tanks with liner*

CISTERNS

2. **Abwoodtech**
E-mail: sales@abwoodtech.com or gene@abwoodtech.com
Phone: (707) 433-4605 or 800-707-TANK (8265)
Fax: (707) 433-9214 [24 HOUR]
Mailing Address: 12786 Old Redwood Hwy., Healdsburg, CA 95448
Shop Address: 100 Grant School Road, Healdsburg, CA
<http://www.abwoodtech.com/>
3. **Forest Lumber & Cooperage Ltd.**
2810A Ramsden Road,
RR# 2 Sooke British Columbia V9Z 0J9 Canada
Phone: (250) 642-4899 Fax: (250) 642-3466
4. **Hall-Woodford Tank Co**
5500 N. Water Street
P.O. Box 2755
Philadelphia, PA 19120
Ph: 215.329.9022 • Fax: 215.329.1177
email: jackhillman@woodtank.com
<http://woodtank.com/>
5. **Arrow Tank Company Inc.**
16 Barnett Place Buffalo, NY 14215
<http://www.arrows-tank.com/>

2.2 MATERIALS

1. Material

Lumber for staves and bottom shall be clear all heartwood, dense, sound well seasoned redwood, or tank grade kiln dried 100% Heartwood Western Red Cedar, free from shakes, splits, sapwood, rot, knots, and unsound birdseye, or any other defect which would be detrimental to strength, water tightness or durability of the tank. Lumber shall have a moisture content of 20% or less.

Lumber grade shall conform specifications for "Clear All Heart" and "Tank Stock" Par #103 & Par #304 of the "Standard Specifications for Grades of California Redwood Lumber" as adopted by the Redwood Inspection Service, the latest edition.

2. Dimensions

Tank is to be straight sided (without taper), and all tank dimensions are outside measurements unless otherwise specified.

3. Bottom

Bottom boards shall be 4" to 12" nominal width, nominal 2" thick surfaced four sides, cut the to proper circle with edges chamfered (top and bottom) to make a snug fit with the croze in the staves. Bottom planks 20' or less shall be furnished as one piece; over 20' shall be spliced with a stainless steel spline or finger-jointed.

CISTERNS

4. Staves

Staves shall be milled to the true outside tank diameter and edges shall be beveled to the true radial lines to insure a water tight joint between staves. Staves shall be crozed in such a manner as to provide a water tight fit with the bottom chamfered edges. All staves shall be furnished in one piece (to 20' length) and are cut 1" less than nominal length.

5. Hoops

Steel rod tank hoops shall be of hot rolled mild steel, conforming to ASTM A-36 specifications with minimum tensile strength of 58,000 PSI, minimum yield strength of 36,000 PSI, and elongation of 20% in 8 inches. Each hoop section shall have a standard head on one end and eight inches of cold rolled upset thread and heavy hexagon nut on the other end. The thread shall equal or exceed the hoop body. Hoop diameter shall be recommended by the manufacturer (based on standard hydrostatic calculations for 1.0 specific gravity contents, and a four to one safety factor). The hoop sections shall be hot dip galvanized after fabrication.

6. Lugs

Hoop sections shall be connected by straight pull, canopy type, malleable iron tank lugs. The lugs shall be manufactured of the highest quality malleable iron, ASTM A-47 Grade 32510 (USA) with a minimum tensile strength of 50,000 PSI, minimum yield strength of 32,500 PSI, and elongation of 10% in two inches; shaped to produce a straight pull on the hoop section without torsion of side binding. The lugs shall be hot dip galvanized.

7. Hip Conical Roof

Self supporting conical roof with perimeter and peak ventilation, construction heart lumber of better structural framing. All metal hardware is galvanized (nails, hinges, hasps, bolts, twist straps, column caps, anchors). Standard slope pitch is 3" /12". Live Load: 25 PSF and Wind Load: 100 MPH.

8. Roof Covering

Domestic 15 pound felt underlayment with 24 gauge galvanized metal standing seam roof covering installed per SMACNA Architectural Sheet Metal Manual and per Section 07610- Sheet Metal Roofing.

End of Section

SECTION 10350 - FLAGPOLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes ground-mounted flagpoles made from stainless steel .
- B. Owner-Furnished Material: Flag.

1.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Flagpole assemblies, including anchorages and supports, shall withstand the effects of gravity loads, and the following loads and stresses within limits and under conditions indicated according to the following design criteria:
 - 1. Wind Loads: 200 MPH according to NAAMM FP 1001, "Guide Specifications for Design of Metal Flagpoles." .
 - 2. Base flagpole design on nylon or cotton flags of maximum standard size suitable for use with flagpole or flag size indicated, whichever is more stringent.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, operating characteristics, fittings, accessories, and finishes for flagpoles.
- B. Shop Drawings: For flagpoles. Include plans, elevations, details, and attachments to other work. Show general arrangement, jointing, fittings, accessories, grounding, anchoring, and support.
 - 1. Include section, and details of foundation system for ground-mounted flagpoles.
- C. Samples for Verification: For each type of exposed finish required, in manufacturer's standard sizes.
 - 1. Include loads, point reactions, and locations for attachment of flagpoles to building's structure.
- D. Qualification Data: For qualified professional engineer.

- E. Operation and Maintenance Data: For flagpoles to include in operation and maintenance manuals.

1.5 QUALITY ASSURANCE

- A. Source Limitations: Obtain flagpole as complete unit, including fittings, accessories, bases, and anchorage devices, from single source from single manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. General: Spiral wrap flagpoles with heavy paper and enclose in a hard fiber tube or other protective container.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following :
 1. American Flagpole; a Kearney-National Inc. company.
 2. Atlantic Fiberglass Products, Inc.
 3. Baartol Company.
 4. Concord Industries, Inc.
 5. Eder Flag Manufacturing Company, Inc.
 6. Ewing Flagpoles.
 7. Lingo Inc.; Acme Flagpole Company Division.
 8. Millerbernd Manufacturing Company.
 9. Morgan-Francis; Division of Original Tractor Cab Co., Inc.
 10. PLP Composite Technologies, Inc.
 11. Pole-Tech Company Inc.
 12. U.S. Flag & Flagpole Supply, LP.
 13. USS Manufacturing Inc.

2.2 FLAGPOLES

- A. Flagpole Construction, General: Construct flagpoles in one piece if possible. If more than one piece is necessary, comply with the following:
 1. Fabricate shop and field joints without using fasteners, screw collars, or lead caulking.
 2. Provide flush hairline joints using self-aligning, snug-fitting, internal sleeves.
 3. Provide self-aligning, snug-fitting joints.
- B. Exposed Height: 30 feet .

- C. Aluminum Flagpoles: Provide entasis-tapered flagpoles fabricated from seamless extruded tubing complying with ASTM B 241/B 241M, Alloy 6063, with a minimum wall thickness of 3/16 inch.
- D. Foundations, provide one of the following as recommended by the manufacturer:
 - 1. Metal Foundation Tube: Manufacturer's standard corrugated-steel foundation tube, not less than 0.064-inch- nominal wall thickness. Provide with 3/16-inch steel bottom plate and support plate; 3/4-inch- diameter, steel ground spike; and steel centering wedges welded together. Galvanize steel after assembly. Provide loose hardwood wedges at top of foundation tube for plumbing pole.
 - a. Provide flashing collar of same material and finish as flagpole
 - 2. Sleeve for Aluminum Flagpole: Fiberglass or PVC pipe foundation sleeve, made to fit flagpole, for casting into concrete foundation.
 - a. Provide flashing collar of same material and finish as flagpole.
 - 3. Cast-Metal Shoe Base: For anchor-bolt mounting; provide with anchor bolts.
 - a. Provide units made from aluminum with same finish and color as flagpoles .
 - b. Provide ground spike at grade-mounted flagpoles.

2.3 FITTINGS

- A. Finial Ball : Manufacturer's standard flush-seam ball, sized as indicated or, if not indicated, to match flagpole-butt diameter.
 - 1. 0.063-inch spun aluminum, finished to match flagpole .
- B. Lighting. Provide Tunnel Lighting, UP & Down Lighting 4 bulb sockets.
 - 1. Max 75 ea watt halogen
 - 2. Provide shoe base for installation and wiring
 - 3. Provide access portal 15" agl with welded in hardened frame for strength
- C. External Halyard : Ball-bearing, nonfouling, revolving truck assembly of cast metal with continuous 5/16-inch- diameter, braided polypropylene halyard and 9-inch cast-metal cleats with fasteners. Finish exposed metal surfaces to match flagpole.
 - 1. Provide two halyards and two cleats at each flagpole.
 - 2. Provide cast-metal cleat covers, finished to match flagpole, secured with cylinder locks.
 - 3. Provide halyard covers consisting of a 2-inch channel, 60 inches long, finished to match flagpole.
 - 4. Halyard Flag Snaps: Provide two chromium-plated bronze swivel snap hooks per halyard.

2.4 MISCELLANEOUS MATERIALS

- A. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107.
- B. Drainage Material: Crushed stone, or crushed or uncrushed gravel; coarse aggregate.
- C. Sand: ASTM C 33, fine aggregate.
- D. Elastomeric Joint Sealant: Single-component neutral- and basic-curing silicone joint sealant complying with requirements in Division 7 Section "Joint Sealants" for Use NT (nontraffic) and for Use M, G, A, and, as applicable to joint substrates indicated, for Use O.
- E. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.

2.5 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.6 ALUMINUM FINISHES

- A. Natural Satin Finish: AA-M32, fine, directional, medium satin polish; buff complying with AA-M20; seal aluminum surfaces with clear, hard-coat wax.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, including foundation; accurate placement, pattern, orientation of anchor bolts, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

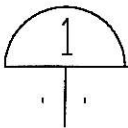
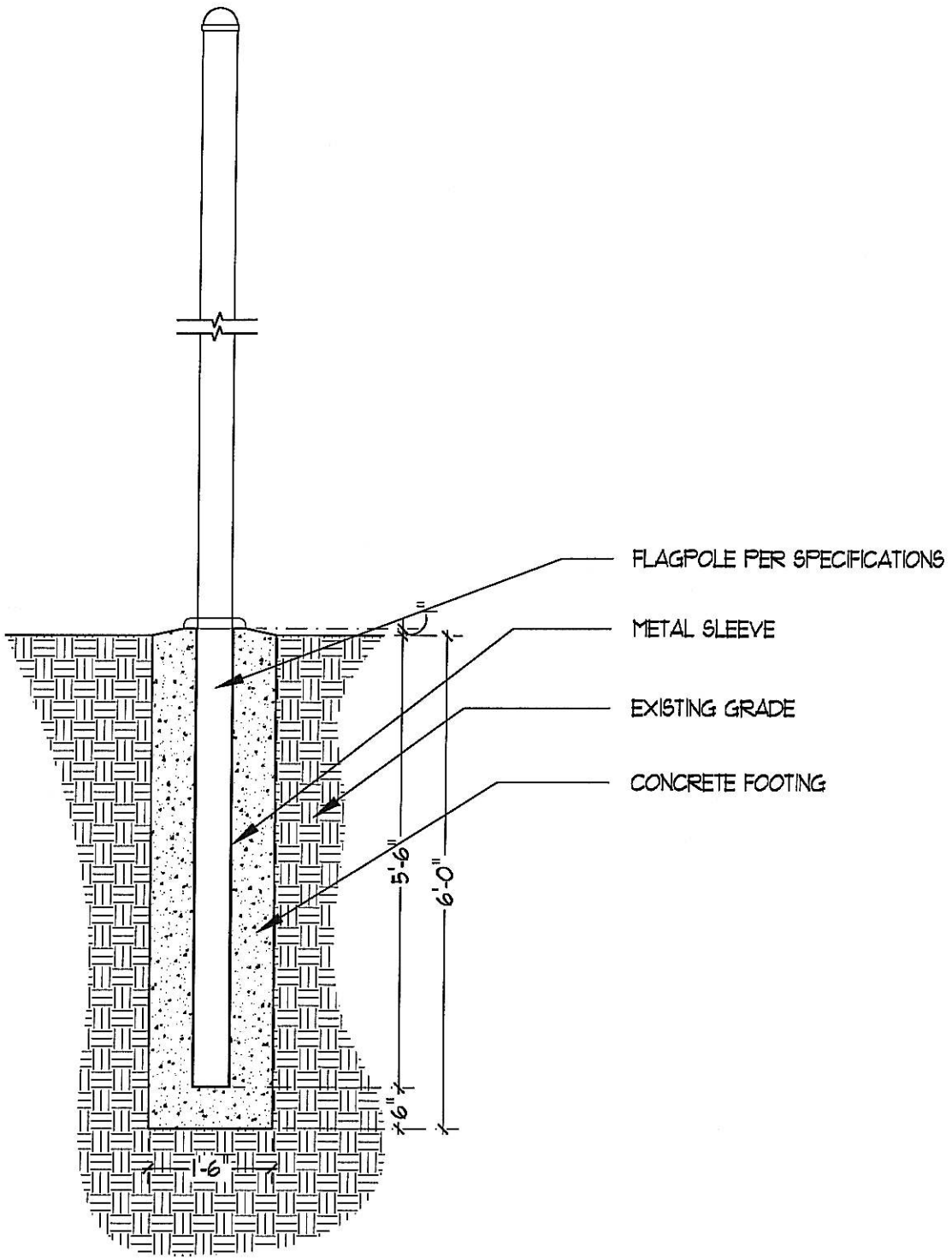
- A. Prepare uncoated metal flagpoles that are set in foundation tubes by painting below-grade portions with a heavy coat of bituminous paint.

- B. Foundation Excavation: Excavate to neat clean lines in undisturbed soil. Remove loose soil and foreign matter from excavation and moisten earth before placing concrete. Place and compact drainage material at excavation bottom.
- C. Provide forms where required due to unstable soil conditions and for perimeter of flagpole base at grade. Secure and brace forms to prevent displacement during concreting.
- D. Place concrete, as specified in Division 3 Section "Cast-in-Place Concrete ." Compact concrete in place by using vibrators. Moist-cure exposed concrete for not less than seven days or use nonstaining curing compound.
- E. Trowel exposed concrete surfaces to a smooth, dense finish, free of trowel marks, and uniform in texture and appearance. Provide positive slope for water runoff to perimeter of concrete base.

3.3 FLAGPOLE INSTALLATION

- A. General: Install flagpoles where shown and according to Shop Drawings and manufacturer's written instructions.
- B. Ground Set: Place foundation tube, sleeve, center, and brace to prevent displacement during concreting. Place concrete. Plumb and level foundation tube sleeve and allow concrete to cure. Install flagpole, plumb, in foundation tube sleeve.
 - 1. Foundation Tube: Place tube seated on bottom plate between steel centering wedges and install hardwood wedges to secure flagpole in place. Place and compact sand in foundation tube and remove hardwood wedges. Seal top of foundation tube with a 2-inch layer of elastomeric joint sealant and cover with flashing collar.
- C. Baseplate: Cast anchor bolts in concrete foundation. Install baseplate on washers placed over leveling nuts on anchor bolts and adjust until flagpole is plumb. After flagpole is plumb, tighten retaining nuts and fill space under baseplate solidly with nonshrink, nonmetallic grout. Finish exposed grout surfaces smooth and slope 45 degrees away from edges of baseplate.

END OF SECTION 10350



Flagpole Foundation

SCALE: 1/2" = 1'-0"

TRAPOLIN
ARCHITECTS

Flagpole Detail

Los Islenos Museum Complex

Project No. CN06267

Date: 28 MAY 2009

Drawn By:

Addendum: 3

Revision:

SK 2

SECTION 02742 - PAVING ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Wheel Stops
 - 2. Pavement-marking paint.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated. Include technical data and tested physical and performance properties.
- B. Material Certificates: For each paving material, from manufacturer.

1.3 PROJECT CONDITIONS

- A. Pavement-Marking Paint: Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of 55 deg F for water-based materials, and not exceeding 95 deg F.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Pavement-Marking Paint: MPI #97 Latex Traffic Marking Paint.
 - 1. Color: Yellow or Blue - As indicated .
- B. Wheel Stops: Precast, air-entrained concrete, 2500-psi minimum compressive strength, 4-1/2 inches high by 9 inches wide by 72 inches long . Provide chamfered corners, drainage slots on underside, and holes for anchoring to substrate.
 - 1. Dowels: Galvanized steel, 3/4-inch diameter, 10-inch minimum length.

PART 3 - EXECUTION

3.1 PAVEMENT MARKING

- A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Architect.

- B. Allow paving to age for 30 days before starting pavement marking.
- C. Sweep and clean surface to eliminate loose material and dust.
- D. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer's recommended rates to provide a minimum wet film thickness of 15 mils.

3.2 WHEEL STOPS

- A. Securely attach wheel stops to pavement with not less than two galvanized-steel dowels embedded at one-quarter to one-third points. Securely install dowels into pavement and bond to wheel stop. Recess head of dowel beneath top of wheel stop.

END OF SECTION 02741

SECTION 09651 - RESILIENT FLOOR TILE & BASE

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Vinyl composition floor tile.
 2. Resilient base.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
1. Product Data for Credit EQ 4.1: For adhesives, including printed statement of VOC content.
- B. Samples: Full-size units of each color and pattern of floor tile required.
- C. Maintenance data.

1.3 PROJECT CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer in spaces to receive floor tile.
- B. Until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer.
- C. Close spaces to traffic during floor tile installation.
- D. Close spaces to traffic for 48 hours after floor tile installation.
- E. Install floor tile after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 VINYL COMPOSITION FLOOR TILE

- A. Products: Subject to compliance with requirements, provide one of the following :
1. Armstrong World Industries, Inc.
 2. Mannington Mills, Inc.
 3. Tarkett, Inc.

- B. Tile Standard: ASTM F 1066, Class 1, solid-color tile .
- C. Wearing Surface: Smooth .
- D. Thickness: 0.125 inch .
- E. Size: 12 by 12 inches.
- F. Colors and Patterns: As selected by Architect from full range of industry colors.

2.2 RESILIENT BASE

- A. Resilient Base:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Armstrong World Industries, Inc.
 - b. Flexco, Inc.
 - c. Roppe Corporation, USA.
- B. Resilient Base Standard: ASTM F 1861.
 - 1. Material Requirement: Type TV (vinyl, thermoplastic).
 - 2. Manufacturing Method: Group I (solid, homogeneous).
 - 3. Style: Cove (base with toe).
- C. Minimum Thickness: 0.125 inch.
- D. Height: 2-1/2 inches.
- E. Lengths: Cut lengths 48 inches long or coils in manufacturer's standard length.
- F. Outside Corners: Job formed or preformed.
- G. Inside Corners: Job formed or preformed.
- H. Finish: Matte.
- I. Colors and Patterns: As selected by Architect from full range of industry colors.

2.3

2.4 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.

- B. Adhesives: Water-resistant type recommended by manufacturer to suit floor tile and substrate conditions indicated.
 - 1. Use adhesives that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - a. VCT and Asphalt Tile Adhesives: Not more than 50 g/L.
- C. Floor Polish: Provide protective liquid floor polish products as recommended by manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.
- C. Do not install floor tiles until they are same temperature as space where they are to be installed.
 - 1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.
- D. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

3.2 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles square with room axis .
- C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
 - 1. Lay tiles with grain running in one direction .
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.

- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent, nonstaining marking device.
- G. Adhere floor tiles to flooring substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

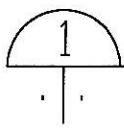
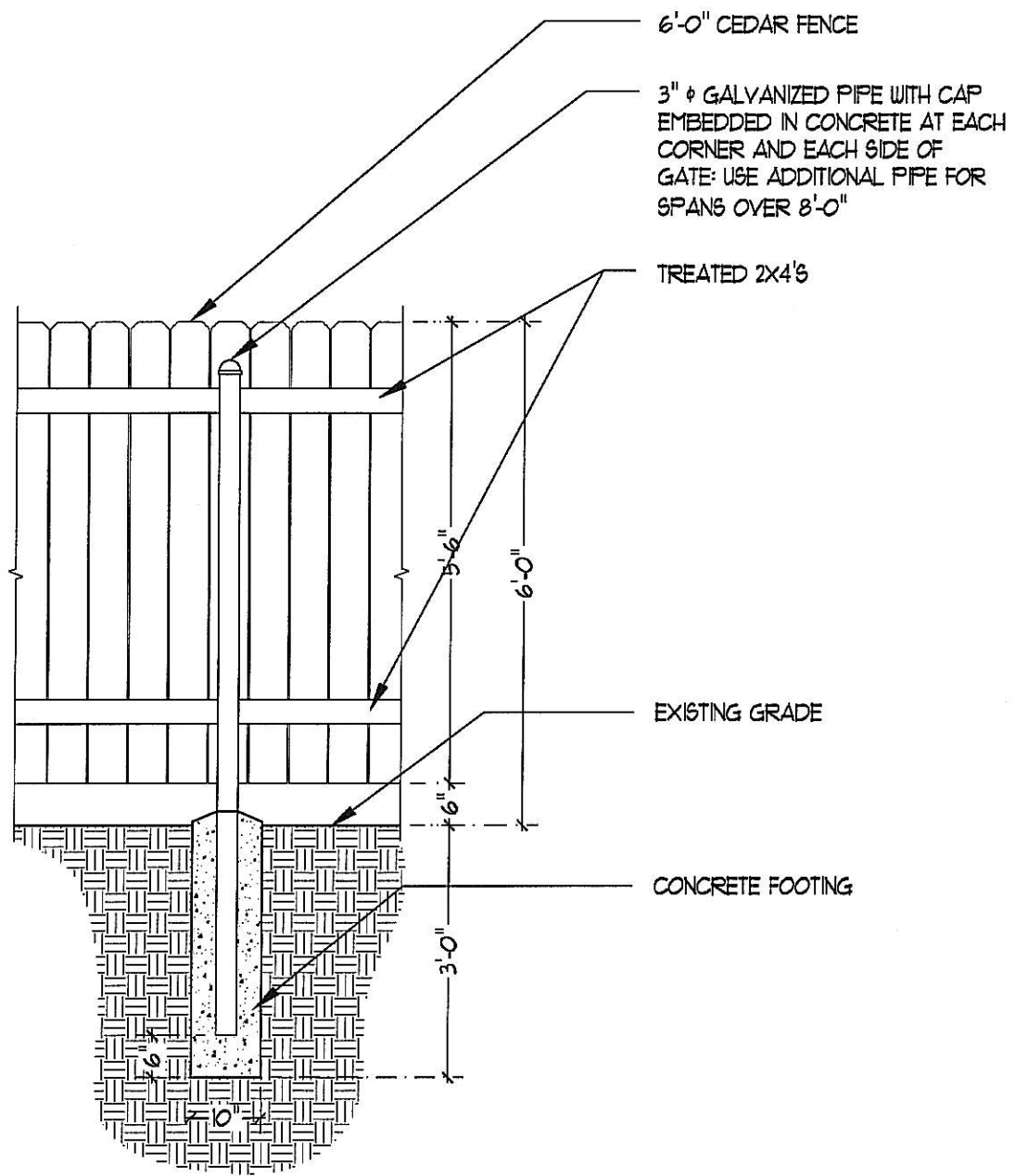
3.3 RESILIENT BASE INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protection of floor tile.
- B. Floor Polish: Remove soil, visible adhesive, and surface blemishes from floor tile surfaces before applying liquid floor polish.
 - 1. Apply two coat(s).
- C. Cover floor tile until Substantial Completion.

END OF SECTION 09651



Fence Detail

SCALE: 1/2" = 1'-0"

TRAPOLIN
ARCHITECTS

Transformer Fence
 Los Islenos Museum Complex

Project No.	CN06267
Date:	28 MAY 2009
Drawn By:	
Addendum:	3
Revision:	

SK 1