

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

## SECTION A - PROPERTY INFORMATION

Building Owner's Name <b>Miles Group Longboat, LLC</b>	For Insurance Company Use
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 513 Ketch Lane	Policy Number
City Longboat Key State FL ZIP Code 34228	Company NAIC Number

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  
Lot 6, Block C Country Club Shores Unit 1

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

A5. Latitude/Longitude: Lat. 27°20'22" N Long. 82°35'35" W

Horizontal Datum:  NAD 1927  NAD 1983

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

A7. Building Diagram Number 1B

A8. For a building with a crawlspace or enclosure(s):

- a) Square footage of crawlspace or enclosure(s) N/A sq ft
- b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A
- c) Total net area of flood openings in A8 b N/A sq in
- d) Engineered flood openings?  Yes  No

A9. For a building with an attached garage:

- a) Square footage of attached garage 543 sq ft
- b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade 3
- c) Total net area of flood openings in A9 b 600 sq in
- d) Engineered flood openings?  Yes  No

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

B1. NFIP Community Name & Community Number Town of Longboat Key 125126		B2. County Name Sarasota		B3. State FL	
B4. Map/Panel Number 125126 0010	B5. Suffix B	B6. FIRM Index Date 05/18/92	B7. FIRM Panel Effective/Revised Date 08/15/83	B8. Flood Zone(s) A13	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 11

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 FDOT BM #27 EL. = 4.98' Vertical Datum 1929 NGVD  
Conversion/Comments \_\_\_\_\_

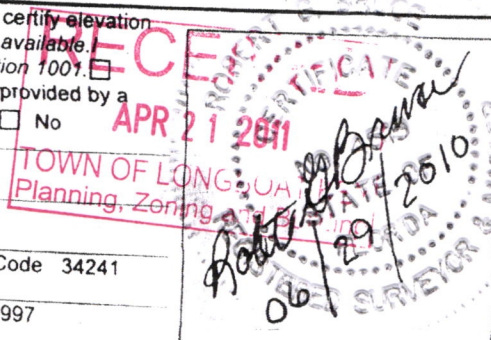
- |  |                 |   |
|--|-----------------|---|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor)  | <u>12.3</u>     | Check the measurement used.   |
| b) Top of the next higher floor  | <u>N/A</u>      | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| c) Bottom of the lowest horizontal structural member (V Zones only)  | <u>N/A</u>      | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| d) Attached garage (top of slab)   | <u>8.5</u>      | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) | <u>A/C 12.2</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| f) Lowest adjacent (finished) grade next to building (LAG)   | <u>7.8</u>      | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only) |
| g) Highest adjacent (finished) grade next to building (HAG)  | <u>8.1</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>N/A</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>Robert G. Bruce</u>	License Number <u>4519</u>
Owner	Company Name <u>Red Stake Surveyors, Inc.</u>
Address <u>7123 Proctor Road</u>	City <u>Sarasota</u> State <u>FL</u> ZIP Code <u>34241</u>
Signature <u>Robert G. Bruce</u>	Date <u>06/29/2010</u> Telephone <u>(941) 923-9997</u>



**IMPORTANT: In these spaces, copy the corresponding information from Section A.**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
513 Ketch Lane File # 09080391

City Longboat Key

State FL ZIP Code 34228

For Insurance Company Use:

Policy Number

Company NAIC Number

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

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

Comments Section B Flood insurance rate map (FIRM) information to be verified at local F.E.M.A. control office.

Signature

*Robert Brown*

Date 06/29/2010

Check here if attachments

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

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

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
  - a) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the HAG.
  - b) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is \_\_\_\_\_  feet  meters  above or  below the HAG.
- E3. Attached garage (top of slab) is \_\_\_\_\_  feet  meters  above or  below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is \_\_\_\_\_  feet  meters  above or  below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?  Yes  No  Unknown. The local official must certify this information in Section G.

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

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

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

Address City State ZIP Code

Signature Date Telephone

Comments

Check here if attachments

**SECTION G - COMMUNITY INFORMATION (OPTIONAL)**

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

- G1.  The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2.  A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3.  The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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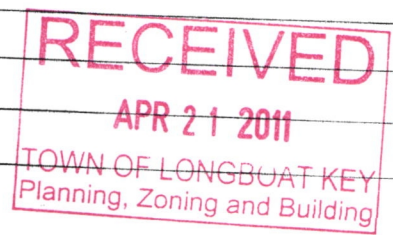
- G7. This permit has been issued for:  New Construction  Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: \_\_\_\_\_  feet  meters (PR) Datum \_\_\_\_\_
- G9. BFE or (in Zone AO) depth of flooding at the building site: \_\_\_\_\_  feet  meters (PR) Datum \_\_\_\_\_
- G10. Community's design flood elevation \_\_\_\_\_  feet  meters (PR) Datum \_\_\_\_\_

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

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

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

Comments \_\_\_\_\_



Check here if attachments

# Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 513 Ketch Lane			For Insurance Company Use: Policy Number
City Longboat Key	State FL	ZIP Code 34228	Company NAIC Number

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



Front View

Rear View



**RECEIVED**  
APR 21 2011  
TOWN OF LONGBOAT KEY  
Planning, Zoning and Building

**Product Specifications:** K. Revised December 23<sup>rd</sup>, 2008.

**SMART VENT SPECIFICATION - FOUNDATION FLOOD VENTS**

**SECTION 08 95 43: OPENINGS/VENTS/FOUNDATION FLOOD VENTS**

**PART 1 - GENERAL**

**1.0 GENERAL PROVISIONS**

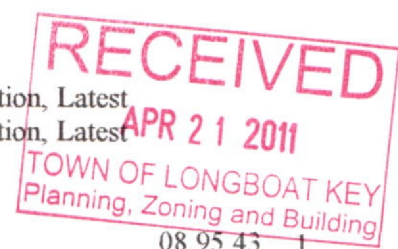
- A. The Drawings and General Provisions of the Contract, including the Conditions of the Contract (General Section 00 72 00, Supplementary Section 00 73 00, and other Conditions, if any) and Divisions 1 as appropriate, apply to the Work specified in this Section.

**1.1 SUMMARY**

- A. Section Includes:
1. Certified Flood Vents specified or indicated on the drawings to complete the project.
- B. Related Sections:
1. Section 03 15 00: Concrete Forming and Accessories
  2. Section 04 05 23 Masonry Accessories
  3. Section 06 48 00: Wood Frames and Framing (If applicable)
  4. Section 08 36 00: Panel doors / Overhead Doors (If applicable)
  5. Section 10 70 00: Exterior Specialties
- C. Substitutions:
1. Approval of alternative and/or substitute products shall be considered only under terms and conditions specified in Sections 00 26 00 Procurement Substitution Procedures, Section 00 43 25, Section 01 40 00 Quality Requirements, Section 01 60 00 Product Requirements, and 01 80 00 Performance Requirements. This paragraph applies when specific manufacturers' names follow a specified manufacturer's name in Part 2.3, or when no manufacturers' names follow a specified manufacturer's name in Part 2.3.
  2. Requests for substitution shall be in writing and received by the Architect at least ten days prior to the bid date. The acceptance of any substitutions shall be by addendum. Unauthorized substitutions shall not be accepted.
  3. The quality of all vents has been clearly indicated by the manufacturer's name and product number.

**1.2 REFERENCES**

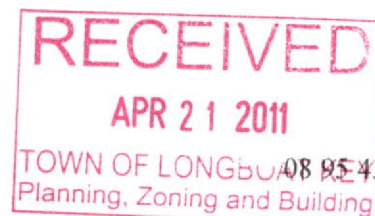
- A. American Society of Civil Engineers (ASCE)
1. ASCE/SEI 24-98, Flood Resistant Design and Construction, Latest
  2. ASCE/SEI 24-05, Flood Resistant Design and Construction, Latest



- B. Federal Emergency Management Agency (FEMA)
  - 1. FEMA, 44-CFR, Part 59-60 and 60.3 National Flood Insurance Program (NFIP), Latest
- C. Federal Emergency Management Agency, Federal Insurance Administration (FEMA/FIA)
  - 1. FEMA/FIA-TB 1-2008, Openings in Foundation Walls and Walls of Enclosures for Buildings Located in Special Flood Hazard Areas, Latest
- D. International Code Council National Evaluation Service (NES)
  - 1. NER-624, National Evaluation Report No. NER-624. July 2007
- E. International Code Council National Evaluation Service (NES)
  - 1. ESR-2074, National Evaluation Report No. ESR-2074. February 2008
- F. International Code Council ICC-ES Acceptance Criteria for Automatic Foundation Flood Vents (AC-364). October 2007
- G. Federal Emergency Management Association's MEMO W-08-001. January 2008
- H. International Building Code, Latest
- I. BOCA National Code, Latest
- J. Standard Building Code
- K. International Residential Code, Latest
- L. National Fire Protection Association (NFPA)
  - a. Standard No. 101, "Life Safety Code", Latest
- M. Governing Codes:
  - a. Where conflict occurs between above codes and standards, the most stringent requirement governs.
- N. Underwriter's Laboratories:
  - a. Test for Fire Dampers in conjunction with flood vents.

### 1.3 SUBMITTALS

- A. Submit in accordance with Section 01 33 00:
- B. A complete and detailed description of all Foundation Vents shall be submitted with all pertinent data from the NES Testing Service showing the vents are Certified. Catalog cuts and drawings shall be submitted as well as installation instructions.
- C. Vents submitted for approval without all of the above shall be considered incomplete and will NOT be reviewed.



1.4 WARRANTY

- A. Any and all vents manufactured shall be subject to a one year limited warranty. See manufacturer's data for complete details.

PART 2 - PRODUCTS

2.1 MANUFACTURER

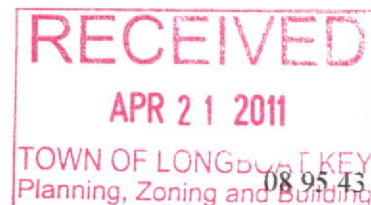
- A. Products listed are manufactured by the following:
1. Smart VENT, Inc.  
450 Andbro Drive  
Pitman, NJ 08071  
PH: 1-877-441-8368 / Fax: 1-856-612-5000

2.2 GENERAL

- A. Items are specified by use of manufacturer's catalog numbers. Vents by other named manufacturers are still required to meet all the criteria listed for the product and will be reviewed for acceptance against specified items.

2.3 MATERIALS

- A. General:
1. Vents shall be constructed of Stainless Steel formed and smooth-welded construction. The frame shall be rigid and designed to be installed in masonry or framed walls, stud walls or garage doors that range in thickness from 2" to 16". It shall have a pivoting door assembly that is fitted with two patented sealed floats that immediately and automatically release the door upon contact with rising water to relieve unbalanced lateral forces on foundation walls. The door shall swing open to provide two horizontal slot openings with a total combined unobstructed area of 76 square inches. The lower slot provides a 3" clear opening. One Single unit shall be used to relieve 200 square feet of enclosed area. The Double or "Stacking Model" shall be used to relieve 400 square feet of enclosed area per unit.
- B. Flood Vent Types: (strike out or delete inapplicable types for each project)
1. Ventilated with Louvered Blades and Screen. The louvered blades are temperature controlled with a bimetal coil and the screen is vermin resistant:  
Smart VENT Model # 1540-510
  2. Double or "Stacking Model" of above:  
Smart VENT Model # 1540-511
  3. Flush or Solid Insulated Door:  
Flood VENT Model # 1540-520
  4. Double or "Stacking Model" of above:  
Flood VENT Model # 1540-521



ANY OWNER  
ANY PROJECT NEW CONST OR RENOV  
ANY FLOODPLAIN COMMUNITY, ANY STATE, USA

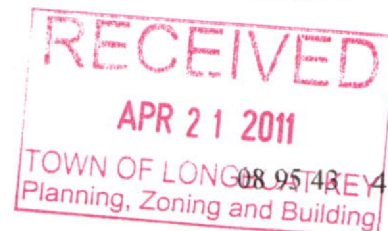
ABC ARCHITECTS  
PROJECT NO. XXX  
DATE: XX-YY-ZZZZ

5. Ventilated Overhead Garage Door Model:  
Smart VENT Model # 1540-514
6. Flush or Solid Insulated Garage Door Model:  
Flood VENT Model # 1540-524
7. Fire-Rated Damper Flow Thru Vent Model:  
Smart VENT Model # 1540-530  
(use in conjunction with #1540-510 or #1540-520)
8. Quad Stacking Model – Ventilated  
Smart VENT #1540-550 (Quad Assembly #)  
(Actually 2 ea. #1540-511's with 2 ea. 511 Upper portions  
and 2 ea. 511 Lower portions)
9. Quad Stacking Model – Flush Door Insulated  
Flood VENT #1540-560 (Quad Assembly #)  
(Actually 2 ea. #1540-521's with 2 ea. 521 Upper portions  
and 2 ea. 521 Lower portions)
10. 14½" Wood Stud Wall Model:  
Flood VENT #1540-570
11. Fire-Rated Damper Flow Thru Vent Model:  
Smart VENT Model # 1540-537  
(use in conjunction with #1540-570 model)
12. 14½" Overhead Garage Door Model:  
Flood VENT #1540-574
13. Accessories:
  - a. 8"-12" Adjustable Sleeve/Trim #1540-531-12
  - b. 12"-15" Adjustable Sleeve/Trim #1540-531-15
  - c. 8"-12" Sleeve Only #1540-532-12
  - d. 12"-15" Sleeve Only #1540-532-15
  - e. 16" x 16" x 6" adjustable sleeve 6" to 9" wall thickness #1540-531-Stacker  
(Note: Sleeves should be used in 'un-filled' masonry  
Fire Walls and where 'air-space' is required on Exterior Walls)
  - f. Interior Trim Flange #1540-533
  - g. Interior Trim Flange #1540-573
  - h. Interior Trim Flange/Sleeve #1540-573-9
  - i. Vinyl Buck(s) #1540-800 Series

For poured concrete walls Sizes range from 5.5" to 12"  
Specify wall thickness for exact or nominal sizes  
Use in conjunction with SV models #1540-510 or #1540-520 encased in  
Buck

  - j. Vinyl Buck Extension #1540-800 - 2"

FOUNDATION FLOOD VENTS

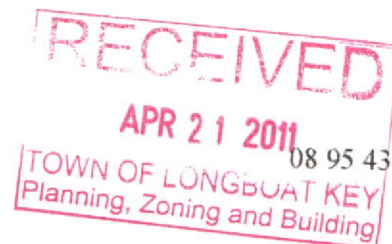


- k. Powder-Coating #38/10130 – Black, White, Gray, or Wheat  
Check with Factory for availability of other colors.
- C. Openings Size Requirements (RWO):
  1. Single units can be installed in an 8 ¼" x 16 ¼" opening or 8 ¾" x 14 ½" opening.
  2. Double units require a 16 ¼" x 16 ¾" opening.
  3. Quad Units require a 33" x 16 ¾" opening.
  4. Designed to fit openings in modular masonry construction; and can easily be adapted to framed walls or garage doors
- D. Natural Ventilation:
  1. Free Area (Natural Ventilation): Screen shall have ¼ inch x ¼ inch (6.35mm x 6.35mm) square perforations.
  2. Single models #1540-510 and #1540- 514 each yield 51 square inches (32.903 sq. mm) of net free area to supply natural ventilation.
  3. Stacking models #1540-511 yield 102 square inches (65.806 sq. mm) of natural ventilation.
- E. Flood Relief:
  1. There shall be a minimum of two vents on different sides of each enclosed area.
  2. Single models #1540-510, #1540-514, #1540-520, #1540-524, 1540-570, and #1540-574 shall each disperse 200 sq. ft. (18.6 sq. m) of water in an enclosed area.
  3. Stacking models #1540-511, and #1540-521 shall each disperse 400 sq. ft. (37.2 sq. m) of water in an enclosed area.
  4. The Quad models #1540-550 (2 ea #1540-511) and #1540-560 (2 ea. #1540-521) shall each disperse 800 sq. ft. (74.4 sq. m) of water in an enclosed area.
- F. Installation:
  1. Stainless Steel straps, four for each vent, and masonry or concrete Urethane base adhesive.
  2. Adjustable wrench for thru-bolted models and screwdriver for stud wall models.
  3. NOTE: caulk may be used to seal certain areas that require extra attention; but, only Fire-Rated caulk shall be used on Fire-Rated walls or openings.
- G. Maintenance Tools: Follow Smart VENT Manufacturer's Maintenance Procedure
  1. Requires thin blade to release float pins.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. General Contractor to verify vents are ready to receive work, and dimensions are as indicated on shop drawings or as instructed by manufacturers.
- B. Beginning of installation means acceptance of existing conditions.





ANY OWNER  
ANY PROJECT NEW CONST OR RENOV  
ANY FLOODPLAIN COMMUNITY, ANY STATE, USA

ABC ARCHITECTS  
PROJECT NO. XXX  
DATE: XX-YY-ZZZZ

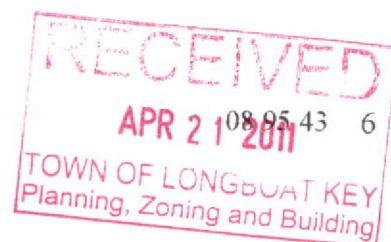
### 3.2 INSTALLATION

#### A. General:

1. Install each vent in accordance with manufacturer's instructions and recommendations spaced evenly around foundation perimeter, maximum 12 inches above grade to bottom of vent.
2. Install one single height flood vent for every 200 sq. ft. of enclosed space below floodplain.
3. Install one double height flood vent for every 400 sq. ft. of enclosed space below floodplain.
4. Install one quad flood vent for every 800 sq. ft. of enclosed space below floodplain.
5. Adjust flood vents for proper operation.

\*\*\*\*END OF SECTION\*\*\*\*

FOUNDATION FLOOD VENTS



# TRANSMITTAL FORM

TOWN OF LONGBOAT KEY

PLANNING ZONING & BUILDING

561 Bay Isles Road  
Mailing Address: 501 Bay Isles Road  
LONGBOAT KEY, FL 34228  
PHONE: 941-316-1966  
FAX: 941-316-1970

TO: LBK Bldg. Dept

FROM: Rick TESAR

DATE: 4-21-11

COMPANY: TESAR HOMES, INC.

PHONE: 941-650-3800

FAX: 941-924-1488

### REFERENCE (MUST BE COMPLETE):

SITE LOCATION/ADDRESS: 513 KETCH LN

REQUEST FOR CHANGE ORDER FOR PERMIT # \_\_\_\_\_

RESPONSE TO PLAN REVIEW DATED: \_\_\_\_\_

OTHER: \_\_\_\_\_

ATTACHMENTS: # \_\_\_\_\_ sets of plans, pages # 1-LANDSCAPE CERTIFICATE

Other: 1-ELEV. CERT. / 1-SMARTVENT SPECS

### SUBMITTAL INVOLVES THE FOLLOWING CODES/TRADES (CHECK ALL THAT APPLY):

- BUILDING/FEMA;     ELECTRICAL;     HVAC;     PLUMBING;  
 GAS PIPING;     GAS VENTING;     ZONING;     FIRE MARSHAL

\*\*\*\* ADDITIONAL COMMENTS IDENTIFYING PURPOSE OF THIS TRANSMITTAL \*\*\*\*

### STAFF RESPONSE:    CHANGE ORDER APPROVED

Elevation 12.3'  
JRF

**RECEIVED**  
APR 21 2011  
TOWN OF LONGBOAT KEY  
Planning, Zoning and Building

Staff signature: \_\_\_\_\_ Date: 4-22-11