



Building Department
1700 Convention Center Drive, 2nd Flr
Miami Beach, Fl 33139
Office 305 673-7610 Fax 305 673-7857

LIGHTWEIGHT INSULATING CONCRETE (LWIC)
SPECIAL INSPECTOR REPORT

Roofing Permit No. Building Permit No.

Property Address:

Date(s) of Installation: Dates of Inspection(s):

LWIC Product Approval (NOA) No: LWIC Manufacturer:

LWIC installer( approved by manufacturer)

LWIC installer License No. Building Contractor
General Contractor

TYPE OF LWIC Installed 1917.4.3 FBC

- Aggregate Concrete
Cellular Type (mechanically attached roof system)
Cellular type (adhered roof system, deck surface prepared per the roof system NOA)

Substrate the LWIC is installed over per 1917.3.12, 1917.4.1 FBC:

- Slotted Steel Deck
Existing Steel Deck
Structural Concrete
Exisitng Roof Assembly
Steel support spacing: (for new construction) Other Deck

Deck Attachment Method (per the LWIC Product Approval NOA)

- Puddle Weld :size {Washer Yes No} Weld
Screw Type: Spacing:
Side Lap attachment method: Spacing:

Method of venting the LWIC 1917.4.2 FBC

Minimum thickness of the LWIC 1917.4.2 FBC

Minimum slope of the LWIC

Expansion Joints installed per approved permit documents and 1917.11 FBC

- Approved Disapproved N/A

**CITY OF MIAMI BEACH BUILDING DEPARTMENT  
1700 CONVENTION CENTER DR (2ND FLOOR)  
MIAMI BEACH, FLORIDA 33139**

NOTICE TO CITY OF MIAMI BEACH BUILDING DEPARTMENT  
OF EMPLOYMENT AS SPECIAL INSPECTOR UNDER  
THE FLORIDA BUILDING CODE

I (We) have been retained by \_\_\_\_\_ to perform special inspector services under the Florida Building Code at the \_\_\_\_\_ project on the below listed structures as of \_\_\_\_\_ (date).

I am a registered architect or professional engineer licensed in the State of Florida.

PROCESS NUMBERS:  
SPECIAL INSPECTOR FOR LIGHTWEIGHT INSULATING CONCRETE FILL (LWC)  
Installed per Section(s) 1917 FBC

The following individual(s) employed by this firm or me are authorized representatives to perform inspections.

- |          |          |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |

*\*Special Inspectors utilizing authorized representative shall insure the authorized representative is qualified by education or licensure to perform the duties assigned by the Special Inspector. The qualifications shall include licensure as a professional engineer or architect; graduation from an engineering education program in civil or structural engineering, graduation from an architectural education program, successful completion of the NCEES Fundamentals Examination; or registration as building Inspector or General Contractor.*

I, (We) will notify The City of Miami Beach Building Department of any changes regarding authorized personnel performing inspection services.

I, (We) understand that a Special Inspector inspection log for each building must be displayed in a conspicuous place on the site for reference by the Miami Beach Building Department Inspector.

The lightweight concrete installation log shall include:

1. Job log with the following information per 1917.2.3 FBC
  - a. Cost Density recordings/hour
  - b. Current LWC Product Approval
  - c. Date of Installation and job location
  - d. Results of field tests
2. Verification of equipment calibration
3. Installation of required venting of the LWC
4. Installation of expansion joints if required

The City of Miami Beach Building Department must be called for a final inspection. Inspections performed by the Special Inspector hired by the Owner are in addition to the mandatory inspections performed by the Building Department. Further, upon completion of the work under each Building Permit I will submit to the Building Inspector at the time of final inspection the completed inspection log form and a sealed statement indicating that to the best of my knowledge, belief and professional judgement those portions of the project outlined above meet the requirements of the Florida Building Code and are in substantial accordance with the approved permit documents.

**Engineer/Architect**

\_\_\_\_\_  
Signed and Sealed

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Phone No: \_\_\_\_\_

CITY OF MIAMI BEACH BUILDING DEPARTMENT  
1700 CONVENTION CENTER DRIVE (2ND FLOOR)  
MIAMI BEACH, FLORIDA 33139

LIGHTWEIGHT INSULATING CONCRETE (LWIC) FILL  
SPECIAL INSPECTOR REPORT

CAST DENSITY RECORDING (CHECKED HOURLY)

ACCEPTABILITY RANGES PER THE LWIC

Yes

No

DRY DENSITY RANGE: \_\_\_\_\_ PCF (DEPENDING ON THE ROOF COVER TYPE)

WET DENSITY RANGE: \_\_\_\_\_ PCF (DEPENDING ON THE ROOF COVER TYPE)

WALKABILITY INSPECTION (19117.2.4 FBC)

APPROVED

DISAPPROVED

DATE OF INSPECTION: \_\_\_\_\_

All the LWIC was installed in compliance with the requirements of the Florida Building Code section 1917, the LWIC Product Approval (NOA), and the LWIC manufacturer's recommendations and specifications.

From my observations of the mixing, installation, and finishing of the lightweight insulating concrete system, to the best of my knowledge, belief and professional judgement those portions of the project outlined above meet the intent of the Florida Building Code and are in substantial accordance with the approved permit documents.

**Engineer/Architect**

\_\_\_\_\_  
Signed and Sealed

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

# LIGHTWEIGHT CONCRETE DENSITY RECORD

\_\_\_\_\_  
JOB

\_\_\_\_\_  
DATE

\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
DAY

\_\_\_\_\_  
TELEPHONE

\_\_\_\_\_  
SUPERVISOR

TIME	DENSITY
<b>A.M.</b>	
7:00	
7:30	
8:00	
8:30	
9:00	
9:30	
10:00	
10:30	
11:00	
11:30	
<b>P.M.</b>	
12:00	
12:30	
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7:00	