



UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences
Geophysical Services • Construction Materials Testing • Threshold Inspection
Building Inspection • Plan Review • Building Code Administration

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- DC Metro
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- Miami
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- Palm Coast
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- Rockledge
- Sarasota
- St. Petersburg
- Tampa
- Tifton
- West Palm Beach

October 10, 2022

City of Lake City
205 N. Marion Ave.
Lake City, FL 32055

Threshold Summary Report No. 4
Marriott Courtyard
3004 W US HWY 90, Lake City, FL
Project No.: 0215.2200013.0000 Report No.: 1983380

Dear Mr. Crews:

Attached are daily reports for the above referenced project for month ending August 2022.

Reports Dated: August 1, 5, 9, 12, 17, 18, 22, 23 and 30, 2022

Please contact us if you have any questions or desire additional information.

Sincerely,

Keith L. Butts, P.E.
Regional Manager
Florida Registration No. 53986

THOMAS SPUTO

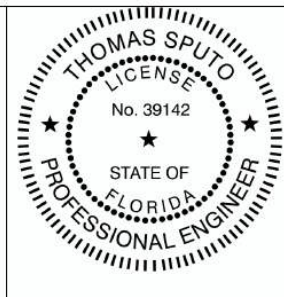
Digitally signed by THOMAS
SPUTO

Date: 2022.11.03 18:46:30 -04'00'

Thomas Sputo, Ph.D., P.E.
FL Registration No. 39142
Special Inspector No. 1037

cc:
troy_crews@columbiacountyfla.com
tgray@gray-construction.com
jgray@gray-construction.com
Sputo and Lammert Engineering, LLC

This item has been electronically signed and sealed by Thomas Sputo, P.E. (FL PE 39142) on 3 November 2022. Printed copies of this document are not considered signed and sealed. This digital signature must be verified on any electronic copies. Sputo and Lammert Engineering, LLC, 1731 NW 6th St, Suite D, Gainesville FL 32609 (FL CA 6855)



UNIVERSAL ENGINEERING SCIENCES, LLC.
SPECIAL INSPECTION DEFICIENCY LOG

Client: City of Lake City 205 N. Marion Ave. Lake City, FL 32055	Project Name: Marriott Courtyard 3004 W US HWY 90, Lake City, FL Project No.: 0215.2200013.0000	Threshold Inspector: Tom Sputo, Ph.D., P.E. Threshold Agents: Keith L. Butts, P.E. Stephen Thomas, P.E. Marshall McElroy Thomas McCarthy Jim Brewer
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SIL No.	Date	Item	Location	Description	1	Final Disposition	2	Date
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

4475 Southwest 35th Terrace, Gainesville, FL 32608 - P: 352.372.3392 - F: 352.336.7914

Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/01/2022

Technician: Stephen Thomas, PE

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing beam to column bolted connections supporting the 3rd level floor.

Observed that the bolted connection were installed using the squirt washer system which signifies when the proper torque has been met.

Observed proper bolted connections have been installed.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/05/2022

Technician: Stephen Thomas, PE

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing horizontal reinforcing steel for the 3rd level floor topping and edge form reinforcement, including reinforcement set by the hollow core plank erectors.

Reinforcing steel was observed for bar size, quantity, length, laps, ties, bends, spacing, and clearance.

Reinforcing steel was observed installed in general conformance with the details of the project drawings.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/09/2022

Technician: Stephen Thomas, PE

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing both vertical and horizontal reinforcing steel for the 3rd level slab edge which was a turn down edge on top of CMU.

Reinforcing steel was observed for bar size, quantity, length, laps, ties, bends, spacing, and clearance.

Reinforcing steel was observed installed in general conformance with the details of the project drawings.

This was complete for the 3rd level.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/12/2022

Technician: Stephen Thomas, PE

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing horizontal reinforcement for slab on ground located from lines 5 to 13 and B to H.

Reinforcement was observed installed in general conformance with the details of the project drawings.

Vapor barrier was observed installed.

Welded-wire mesh was observed to be lapped and chaired.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/17/2022

Technician: Marshall McElroy

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of OBSERVED PREPERATIONS FOR SLAB ON GRADE FROM 5 LINE - TO- 1 LINE (EAST HALF OF BUILDING).

- OBSERVED WWM AND REINFORCING STEEL TO BE INSTALLED IN ACCORDANCE WITH APPROVED PLANS.
- OBSERVED EXPANSION MATERIAL TO BE INSTALLED AT PERIMETER AREAS.
- OBSERVED FOOTINGS AND STAIRWELL PAD AS SPECIFIED IN APPROVED PLANS.
- OBSERVED VAPOR BARRIER SYSTEM TO BE INSTALLED PER APPROVED PLANS.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/18/2022

Technician: Marshall McElroy

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of CONCRETE PLACEMENT OBSERVATION:
OBSERVED PLACEMENT OF CONCRETE FOR POUR AT SLAB ON GRADE IN THE AREA OF 6 LINE - TO- 13 LINE AND B LINE- TO - G LINE.

- CONCRETE OBSERVED TO BE APPROVED MIX DESIGN.
- CONCRETE OBSERVED TO BE WITHING ALLOWABLE SLUMP RANGE.
- CONTRACTOR OBSERVED USING A MECHANICAL VIBRATOR DURING PLACEMENT.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/22/2022

Technician: Marshall McElroy

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing CMU block and reinforcing steel for 3rd floor wall sections.

Both vertical and horizontal reinforcing steel was observed for size, quantity, laps, ties, bends, spacing, and clearance.

Reinforcing steel was observed to be installed in general conformance with the details of the project drawings other than the items listed below.

- Vertical reinforcing steel missing at on one side of the expansion joint as shown on the structural drawings.
- Quantity of vertical reinforcing steel at each side of center openings were not as shown on the structural drawings.

Contractor contacted EOR while onsite to discuss drill and epoxy specifications for adding missing bars.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/23/2022

Technician: Marshall McElroy

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing drill and epoxy procedures at 3rd floor CMU wall sections where vertical reinforcing steel was missing.

Contractor provided email from EOR specifying min. 6" embedment for reinforcing steel.

- Observed Contractor drilling hole depths to a minimum of 6".
- Observed Contractor brushing and blowing holes to remove dust and debris.
- Observed Contractor installing reinforcing steel with epoxy.

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/23/2022

Technician: Marshall McElroy

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing grout placement for third floor CMU wall sections.

- CMU cells were observed to be clean and free of debris prior to grout.
- Reinforcing cells were filled solid with grout.
- Contractor was observed utilizing a mechanical vibrator during grout placement.

Ticket: 140234
Truck: 49
Mix: 3000SRP
Slump: 8

This test was performed without deviation from ASTM procedures.

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Inspection Report

Client: Oasis of Lake City, LLC
404 NW Hall of Fame Drive
Lake City, FL 32055

Project: Marriott Courtyard, BID
3004 W US Hwy 90, Lake City, Columbia County, FL 32055

Date of Activity: 08/30/2022

Technician: Marshall McElroy

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of observing structural steel beams and angle iron to support hollow core panels over openings on third floor.

- Steel was observed for size, thickness, and location.
- CWI Inspector to provide report for field welds of structural steel.

This test was performed without deviation from ASTM procedures.

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