



UNIVERSAL ENGINEERING SCIENCES

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- West Palm Beach

April 21, 2023

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

Threshold Summary Report No. 10
Marriott Courtyard
3004 W US HWY 90, Lake City, FL
Project No.: 0215.2200013.0000 Report No.: 2015214

Dear Mr. Crews:

Attached is the daily report for the above referenced project for month ending April 2023.

Report Dated: April 20, 2023

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

Sincerely,

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

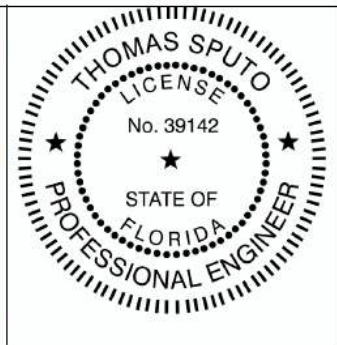
THOMAS SPUTO

Digitally signed by THOMAS
SPUTO
Date: 2023.04.21 22:43:44
-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 21 April 2023. 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.	09/21/22	Grout	4 th Floor, Southeast Corner	The 28-Day Test Result Indicates That Grout Has Not Achieved 28-Day Strength. Hold Prism Has Been Changed to a 56-Day Break.	TS	EOR approved, per email dated 04/20/23.	TS	04/20/23
2.	09/22/22	CMU Block Fill	4th Floor	Client Cast Cylinders. The 28-Day Test Result Indicates That Concrete Has Not Achieved 28-Day Strength. Hold Cylinder Has Been Changed to a 56-Day Break.	TS	EOR approved, per email dated 04/20/23.	TS	04/20/23
3.								
4.								
5.								
6.								
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: 04/20/2023

Technician: Marshall McElroy

As Requested, a Universal Engineering Sciences Technician was present at the above referenced location for the purpose of reviewing grout breaks and engineer-of-record (EOR) corresponding acceptance.

S.I.L No. 1 and 2 Corrected: EOR approved, per email dated 04/20/23

This test was performed without deviation from ASTM procedures.

This report shall not be reproduced, except in full, without the written approval of Universal Engineering Sciences.

Daina A. Woodman

From: Mason Xie <Mason@ASEllcorp.com>
Sent: Thursday, April 20, 2023 12:59 PM
To: Daina A. Woodman; jgray@gray-construction.com; ming@aseiicorp.com
Cc: 'Minesh Patel, MD'; aseii@aseiicorp.com; 'Jerry Bowen'; 'Todd Gray'
Subject: RE: EOR Approval: Marriott Courtyard, Lake City, FL Project

This Message Is From an External Sender

This message came from outside your organization.

Daina,

The testing is acceptable.

Thanks!

Mason Xie, Ph.D., PE
ASE Engineering Services, Inc.
10244 E Colonial Dr, Suite202
Orlando, Florida 32817
P: 407-677-5565
F: 407-730-2999
www.aseiicorp.com

From: jgray@gray-construction.com <jgray@gray-construction.com>
Sent: Tuesday, April 18, 2023 4:28 PM
To: 'Mason Xie' <Mason@ASEllcorp.com>; ming@aseiicorp.com
Cc: 'Minesh Patel, MD' <drpatel@primarycaremedic.com>; aseii@aseiicorp.com; 'Daina A. Woodman' <DWoodman@teamues.com>; 'Jerry Bowen' <jbowen@gray-construction.com>; Todd Gray <tgray@gray-construction.com>
Subject: RE: EOR Approval: Marriott Courtyard, Lake City, FL Project
Importance: High

See below deficiency report on this project. These were the only two issues we had on this project that were rectified.

See attached CMU Grout 56 day breaks that came back above acceptable levels. Please respond to UES Threshold to approve these non-issues.

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

Compressive Strength of Grout Prism Test Specimens (ASTM C-1019)

Client Gray Construction Services, Inc.
 222 West Wade Street, Trenton, FL 32693

Project Courtyard Marriott - Lake City, FL - CSD
 3004 W US Hwy 90, Lake City, Columbia County, FL

Structural Element: Cell Fill		Sample Location: 4th Floor - Sampled at SE Corner 4th floor	
Set# 1 of 1	Sample From: Concrete Truck	Sample By: Cleveland English On 09/21/2022	At Lab On or Before: 09/26/2022

General Information		Specified Strength / Sampling Times	Placement Information
General Contractor: Masonry Inc		Specified Strength: 3000 psi @ 28 days	Truck Load: 10.00 cu yds. Cumulative Quantity: N/A Total Placement for the Day: N/A
Subcontractor:		Mix Design Strength: 3000 psi @ 28 days	
Supplier: Columbia Ready Mix		Water Added at Site: N/A	
Truck No.: 34		Time Batched: 2:03 PM	
Ticket No.: 140573		Time Sampled: 2:45 PM	
Mix Design: 3000SRP Admixture: N/A		Weather Condition: Partly Cloudy	

Field Test Results

Air Content: N/A		Slump: 8.00 inches		Ambient Temp: 90 °F		Concrete Temp: 86 °F		Unit Weight: N/A			
Results of Laboratory Testing											
Test Results	Date Tested	Age Days	Type Of Fracture	Actual Dimen.1 (in)	Actual Dimen.2 (in)	Avg. Dimen. (in)	Test X-Sect. Area (in²)	Max Compressive Load (lbs)	Test Compressive Strength(psi)	Average (psi)	Lab Tech ***
1*G*	10/19/2022	28	3	3.29	3.29	3.29	10.82	35,040	3,238	-	RWG
2*G*	10/19/2022	28	3	3.31	3.29	3.30	10.89	34,390	3,158	-	RWG
3*G*	10/19/2022	28	3	3.27	3.29	3.28	10.76	24,960	2,320	2,910	RWG
4*G*	11/16/2022	56	3	3.28	3.30	3.29	10.82	47,820	4,420	-	RWG
Remarks	Grout Prisms are tested at seven (7) days to get an early indication of the potential strength of the concrete, but the seven (7) day results are not to be used for concrete acceptance. When the compressive strength of the concrete has reached 70% of the specified strength, it is a reasonable practice to use this as an indication that 100% of the specified strength will be attained by twenty-eight (28) days.										
Note	- *H*- Hold Cylinder - *D*- Defective Cylinder, Un-testable - *E*- Excluded From Average - *G*- Good Condition										

Tested in Lab to C39

Cured in C-511

Test Not performed per C-1019, Grout Boxes were used

Minimum and maximum temperatures were not recorded prior to placement in final curing environment

***** Lab Technicians**

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

Compressive Strength of 4" x 8" Cylinder Test Specimens (ASTM C-39)

Client Gray Construction Services, Inc.
 222 West Wade Street, Trenton, FL 32693

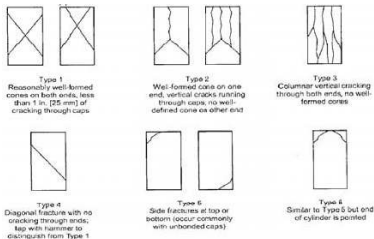
Project Courtyard Marriott - Lake City, FL - CSD
 3004 W US Hwy 90, Lake City, Columbia County, FL

Structural Element: Cell Fill		Sample Location: CMU Block fill - Sampled at CMU	
Set# 1 of 1	Sample From: Concrete Truck	Sample By: Client Cast On 09/22/2022	At Lab On or Before: 09/28/2022

General Information		Specified Strength / Sampling Times	Placement Information
General Contractor: Masonry Inc		Specified Strength: 3000 psi @ 28 days	Truck Load: N/A
Subcontractor:		Mix Design Strength: 3000 psi @ 28 days	Cumulative Quantity: N/A
Supplier: N/A		Water Added at Site: N/A	Total Placement for the Day: N/A
Truck No.: Unknown		Time Batched: 9:14 AM	
Ticket No.: Unknown		Time Sampled: 9:14 AM	
Mix Design: 00	Admixture: N/A	Weather Condition: Partly Cloudy	

Field Test Results

Air Content: N/A		Slump: N/S		Ambient Temp: N/S		Concrete Temp: N/S		Unit Weight: N/A			
Results of Laboratory Testing											
Test Results	Date Tested	Age Days	Type Of Fracture	Actual Dimen.1 (in)	Actual Dimen.2 (in)	Avg. Dimen. (in)	Test X-Sect. Area (in²)	Max Compressive Load (lbs)	Test Compressive Strength(psi)	Average (psi)	Lab Tech ***
1*G*	10/22/2022	28	5	4.01	4.02	4.02	12.69	37,000	2,915	-	RWG
2*G*	10/22/2022	28	5	3.99	4.00	4.00	12.57	33,060	2,631	-	RWG
3*G*	10/22/2022	28	5	4.00	4.00	4.00	12.57	37,770	3,006	2,850	RWG
4*H*	11/19/2022	56	6	4.01	4.00	4.01	12.63	46,660	3,695	-	mrp
Remarks	Cylinders are tested at seven (7) days to get an early indication of the potential strength of the concrete, but the seven (7) day results are not to be used for concrete acceptance. When the compressive strength of the concrete has reached 70% of the specified strength, it is a reasonable practice to use this as an indication that 100% of the specified strength will be attained by twenty-eight (28) days.										
Remarks	The 28-day average compressive strength result did not meet or exceed the 28-day specified strength requirement listed above. Hold changed to the 56-day break.										
Remarks	All information pertinent to concrete placement, slump, water, class, etc., along with casting the test specimens, was prepared by the client or contractor. Universal Engineering Sciences is only responsible for the compressive strength testing.										
Note	- *H*- Hold Cylinder - *D*- Defective Cylinder, Un-testable - *E*- Excluded From Average - *G*- Good Condition										



Capped in Lab to ASTM C-1231 - Yes
 Cured & Tested in Lab per ASTM C-31 & C-39 - Yes
This Form Conforms With ASTM C-39 - Yes

*** Lab Technicians

mrp	Miguel Rojas Perez
RWG	Raymond Gage