

Tallahassee

4770 Woodlane Circle
Unit A
Tallahassee, FL 32303
Phone: 850.421.6682
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Client:

Ajax Building Corporation
1080 Commerce Blvd.
Midway, FL 32343

Project:

10117-1020031.000
Columbia County Detention Facility Materials
Testing

Jacksonville, Florida

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Distribution List

Name	Company
Cappadonna, John	Ajax Building Corp
Crews, Troy	Columbia County
Kraft, Mark	Ajax Building Corp
Mauldin, Travis	Ajax Building Corp
McKnight, Michael	Ajax Building Corp.
Pennington, Charles	Nova Engineering and Environmental, LLC
Reed, Michael	NOVA Engineering & Environmental LLC
Robinson, Jade	Nova Engineering And Environmental
Statham, Carrie	Ajax Building Corp.

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Project:
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Activity Number: 179

Date: 11/30/2021

Weather: Sunny

Temperature: 64

Location: Columbia County Detention Facility

NOVA Representative: Raymond Easley

As requested by the contractor, the above noted NOVA representative visited the project site to observe the concrete placement on the above noted date. The contractor placed three (3) cubic yards of 3,000 psi concrete (SRM Concrete 30055) for the curb located west of the Recreational area. One (1) sample of the plastic concrete was obtained for field testing. The NOVA representative performed concrete temperature, air temperature, slump, and air content testing on the plastic concrete. Additionally, one (1) set of five (5)-4x8 concrete test specimens (cylinders) was cast for compressive strength testing.

NOVA also performed comparative density testing on the existing grade material within the slab on grade area for the recreation yard. Two (2) tests were performed using a Troxler 3440 nuclear Moisture Density Gauge in accordance with ASTM D6938.

Based on the results of our field testing in accordance with ASTM D6938, the observed compacted material appeared to meet the required specification of 95% of the Modified Proctor maximum dry density as determined by ASTM D1557 at the locations tested. Please see the attached Nuclear Density Testing Results for test locations and results.

No observations, tests, inspections or approvals by NOVA shall relieve the Contractor from his obligation to perform the Work in strict conformity with the Contract Documents. NOVA's inspections and/or tests reported herein are in no way a guarantee of deficient-free construction. The information provided herein is intended for the sole and exclusive use of our Client unless other written agreement is entered into by NOVA and other parties. All other recipients are provided this document and any corresponding tests and/or inspection results for information purposes only, and any use of said information shall be at their sole risk.

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Images

Picture	Caption
	location of concrete placement
	location of nuclear density testing within recreation area
	location of cylinders taken during concrete placement

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Michael Reed, on Dec 03, 2021 using a
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Soil Nuclear Gauge

Report #: SNG-000036
Report Date: 12/03/2021
Test Method: ASTM D 6938

Client:
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Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
284		11/30/21	P-1 MODIFIED	D1557 A	SP-SM	9.0	115.5	7.3	114.2	122.5	12	99	95	DP/MP
285		11/30/21	P-1 MODIFIED	D1557 A	SP-SM	9.0	115.5	7.7	112.3	121.0	12	97	95	DP/MP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
284	Structural Fill: Exterior Slab: West elevation of recreation yard						178.0	MSL	Troxler / 3440 / 26060 /			Raymond Easley		
285	Structural Fill: Exterior Slab: East elevation of recreation yard						178.0	MSL	Troxler / 3440 / 26060 /			Raymond Easley		
Remarks				Comments										
DP/MP: Density Pass / Moisture Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										



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Project:

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Testing
Jacksonville, Florida

Activity Number: 180

Date: 12/02/2021

Weather: Sunny

Temperature: 42

Location: Recreational Area

NOVA Representative: Sean Buss

As requested by the contractor, the above noted NOVA representative visited the project site to observe the concrete placement on the above noted date. The contractor placed thirty (30) cubic yards of 4,000 psi concrete (SRM Concrete 40050) for exterior slab on grade located at the recreational area. One (1) sample of the plastic concrete was obtained for field testing. The NOVA representative performed concrete temperature, air temperature, slump, and air content testing on the plastic concrete. Additionally, one (1) set of five (5)-4 x 8 concrete test specimens (cylinders) was cast for compressive strength testing.

Cast cylinders are stored on AC Unit pad next to recreational area.

The above noted NOVA representative also picked up the compressive strength test specimens (cylinders) cast during the concrete placement on 11-30-21. One (1) set of five (5), 4x8 concrete compressive strength test specimens were found at the testing location on the jobsite and visually appeared to be undisturbed. The test specimens were recovered from the jobsite and secured for transporting to the local NOVA Engineering laboratory for final curing and compressive strength determination. The Concrete Compressive Strength Test Reports will be presented under separate cover as they become available.

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Images

Picture



Caption

Sample Truck Ticket



Recreational Area Pour



Sample Storage

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Testing
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Activity Number: 181

Date: 12/03/2021

Weather: Sunny

Temperature: 79

Location: Columbia County Detention Facility
Recreational yard

NOVA Representative: Cynthia Soety

The above noted NOVA representative visited the project site to pick up the compressive strength test specimens (cylinders) cast during the concrete placement on 12-02-21. One (1) set of five (5), 4x8 concrete compressive strength test specimens was found at the testing location on the jobsite and visually appeared to be undisturbed. The test specimens were recovered from the jobsite and secured for transporting to the local NOVA Engineering laboratory for final curing and compressive strength determination. The Concrete Compressive Strength Test Reports will be presented under separate cover as they become available.

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Images

Picture	Caption
	Samples retrieved



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