

Soil Nuclear Gauge

Report #: SNG-000019

Report Date: 12/11/2020

Test Method: ASTM D 6938

Client:

Ajax Building Corporation
1080 Commerce Blvd.
Midway, FL 32343

Project:

10117-1020031.000
Columbia County Detention Facility Materials
Testing

Jacksonville, Florida

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
139		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.9	107.6	115.0	8	95	95	DP
140		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.5	109.4	117.6	8	97	95	DP
141		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.8	108.3	116.8	8	96	95	DP
142		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.8	108.2	115.6	8	96	95	DP
143		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.3	106.9	114.7	8	95	95	DP
144		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	8.0	107.0	115.6	8	95	95	DP
145		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	5.9	108.5	114.9	8	96	95	DP
146		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.0	107.3	114.8	8	95	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
139	Structural Fill: Building Pad: Approx. 10/A5						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
140	Structural Fill: Building Pad: Approx. 9.5/A12						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
141	Structural Fill: Building Pad: Approx. 10/A19						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
142	Structural Fill: Building Pad: Approx. 6/A18						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
143	Structural Fill: Building Pad: Approx. 5.5/A11						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
144	Structural Fill: Building Pad: Approx. 5.5/A6						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
145	Structural Fill: Building Pad: Approx. 2/A7						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
146	Structural Fill: Building Pad: Approx. 3/A12						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
Remarks				Comments										
DP: Density Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Should the areas tested be subject to rain, freezing, or other adverse conditions, prior to paving, concreting, etc, NOVA recommends re-evaluation.

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147		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.8	107.7	115.0	8	95	95	DP
148		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	7.0	109.7	117.4	8	97	95	DP
149		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.8	110.1	117.6	8	98	95	DP
150		12/9/20	P-1 STANDARD	D698 A	SP-SM	9.8	112.8	6.7	107.8	115.0	8	96	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
147	Structural Fill: Building Pad: Approx. 2.5/A17						176.4	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
148	Structural Fill: Building Pad: Approx. 9/A6						177.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
149	Structural Fill: Building Pad: Approx. 10/A13						177.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
150	Structural Fill: Building Pad: Approx. 9.5/A20						177.0	MSL	Troxler / 3430 / 21834 /			Mitch Cantrell		
Remarks				Comments										
DP: Density Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.										

Electronically signed and sealed by William L. Lawrence, P.E., Senior Regional Engineer on Dec 11, 2020 using a Digital Signature.

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