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• Engineering

Geotechnical

Environmental

REPORT OF IN-PLACE DENSITY TEST

Laboratories

JOB NO.: 23-00297-01

DATE TESTED:

6/30/2023

DATE REPORTED:

7/3/2023

ROJECT: US Cold Storage - Building Expansion Phase III, Lake City, FL					
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257				
GENERAL CONTRACTOR:	Stellar				
EARTHWORK CONTRACTOR:	Stellar				
INSPECTOR:	C. Williams				
A	STM METHOD	SOIL U	ISE		
(D-6938) Nuclear	3 3 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8UILDING FILL	▼		
	SPECIFIED REQUIREMENTS:	95%			

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (1b/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	60 ft. North & 125 ft. East from Southwest Corner of Pad	12"	119.1	13.9	104.6	1	109.1	96%
2	60 ft. South & 125 ft. East from Northwest Corner of Pad	12"	114.1	8.2	105.5	1	109.1	97%
3	60 ft. South & 60 ft. East from Northwest Corner of Pad	12"	119.7	11.0	107.8	1	109.1	99%
4	60 ft. North & 60 ft. East from Southwest Corner of Pad	12"	120.1	14.1	105.3	1	109.1	97%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTOR NO. SOIL DESCRIPTION MAXIMUM DRY UNIT OPT. TYPE 1 Light Gray Sand with Siit (SP-SM) 109.1 12.4 MODIFIED (ASTM 0-1557) ▼		 PROCTORS	1.2		
1 Light Gray Sand with Silt (SP-SM) 109.1 12.4 MODIFIED (ASTM D-1557)		SOIL DESCRIPTION			TYPE
	1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557) ▼

Respectfully Submitted, CAL-TECH TESTING, INC.

Reviewed By

No. 55

Date:

Licensed, Florida No:

STATE OF

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Laboratories ___

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED:

7/5/2023

DATE REPORTED:

7/10/2023

PROJECT:	US Cold Storage - Building Expansion Phase III, La	ke City, FL					
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257						
GENERAL CONTRACTOR:	Stellar						
EARTHWORK CONTRACTOR:	Stellar						
INSPECTOR:	C. Williams						
A:	STM METHOD	SOIL USE					
(D-6938) Nuclear	▼	8U LDING FILL					
	SPECIFIED REQUIREMENTS:	95%					

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR. TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
5	50 ft. North & 20 ft. East from Southeast Corner of Building	12"	114.9	3.9	110.6	1	109.1	101%
6	50 ft. North & 70 ft. East from Southeast Corner of Building	12"	113.0	7.3	105.3	1	109.1	97%
7	120 ft. North & 30 ft. East from Southeast Corner of Building	12"	119.6	8.2	110.5	1	109.1	101%
8	140 ft. West & 80 ft. North from Southeast Corner of Building	12"	114.3	5.8	108.0	1	109.1	99%

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCTORS			
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST.	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557)

Respectfully Submitted, CAL-TECH TESTING, INC.

Reviewed By:

Date:

Licensed, Florida I

No. 65550

The test results presented in this report are specific only to the samples lested at the time of testing. The tests were performed in accordance standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to this report shall not be reproduced without prior approval of the author.



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED:

7/6/2023

DATE REPORTED:

7/10/2023

PROJECT:	US Cold Storage - Building Expansion Phase III, L	Lake City, FL
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, FL 3225	7
GENERAL CONTRACTOR:	Stellar	
EARTHWORK CONTRACTOR:	Stellar	
INSPECTOR:	C. Williams	
·A	STM METHOD	SOIL USE
(D-6938) Nuclear	▼	BUILDING FILL
·	SPECIFIED REQUIREMENTS	S: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (Ib/ft ¹)	MOISTURE PERCENT	DRY DENSITY (Ib/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
9	90 ft. North from Northeast End on South of Building	12"	117.7	8.7	108.3	1	109.1	99%
10	200 ft. North from Northeast End on South Building	12"	123,1	9.8	112.1	1	109.1	103%
11	190 ft. North & 50 ft. East from Northeast End of South Building	12"	122.7	15.1	106.6	1	109.1	98%
12	50 ft. East & 30 ft. South from Northeast End of South Building	12"	116.0	9.7	105.7	1	109.1	97%

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCTORS							
PROCTOR NO.		SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST.	TYPE			
1		Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557)			

Respectfully Submitted, CAL-TECH TESTING, INC.

> Date: License

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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED: 7/10/2023

DATE REPORTED: 7/11/2023

PROJECT:	US Cold Storage -	US Cold Storage - Building Expansion Phase III, Lake City, FL					
CLIENT:		Stellar, 2900 Hartley Road, Jacksonville, FL 32257					
GENERAL CONTRACTOR:	Stellar						
EARTHWORK CONTRACTOR:	Stellar						
INSPECTOR:	C. Williams			······			
A	STM METHOD		SOIL U	SE			
(D-6938) Nuclear	•		BUILDING FILL	▼			
		SPECIFIED REQUIREMENTS:	95%				

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (Ib/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
13	100 ft. North from Southeast Corner of Building	12"	119.6	11.1	107.7	1	109.1	99%
14	200 ft. North from Southeast Corner of Building	12"	121.3	15.5	105.0	1	109.1	96%
15	200 ft. North & 100 ft. West from Southeast Corner of Building	12"	121.7	15.1	105.7	1	109.1	97%
16	100 ft. North & 100 ft. West from Southeast Corner of Building	12"	125.7	15.4	108.9	1	109.1	100%

REMARKS:

The Above Tests Meet Specified Requirements.

L	PROCTOR:	5		
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST.	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557) ▼

Respectfully Submitted, CAL-TECH TESTING, INC.

Date: 1

Licensed Florida No:

TATE O

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in acceptable with regard at the time of testing. The tests were performed in acceptable with regard at the time and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard of the surface of the dat. This report shall not be reproduced without prior approval of the author.



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED:

7/17/2023

DATE REPORTED:

7/19/2023

(5 6556) (46.186)		SPECIFIED REQUIREMENTS:	95%	<u>_</u>	—			
(D-6938) Nuclear	STM METHOD		SOIL US	SE				
INSPECTOR:	C. Williams							
EARTHWORK CONTRACTOR:	Stellar							
GENERAL CONTRACTOR:	Stellar							
CLIENT:	Stellar, 2900 Har	tellar, 2900 Hartley Road, Jacksonville, FL 32257						
PROJECT:	US Cold Storage - Building Expansion Phase III, Lake City, FL							

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
17	80 ft. North & 30 ft. East from Southeast Corner	12"	122.1	14.9	106.3	1	109.1	97%
18	180 ft. North & 90 ft. East from Southeast Corner	12"	122.6	17.4	104.4	1	109,1	96%
19	190 ft. North from Southeast Corner	12"	124.2	18,7	104.6	1	109.1	96%
20	100 ft. North & 50 ft. East from Southeast Corner	12"	121.5	12,0	108.5	1	109.1	99%

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCTORS								
PROCTOR NO.		SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft³)	OPT. MOIST,	TYPE				
1 Light Gray Sand with Silt (SP-SM)		109,1	12.4	MODIFIED (ASTM D-1557) ▼					

Respectfully Submitted, CAL-TECH TESTING, INC.

Reviewed By

Date: 12: Licensed, Florida No:

★655550

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The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in according with go are accepted methods standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard of the use and interpretation of the This report shall not be reproduced without prior approval of the author.



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JOB NO.: 23-00297-01

8/1/2023 DATE TESTED:

DATE REPORTED: 8/7/2023

REPORT OF IN-PLACE DENSITY TEST

PROJECT: US Cold Storage - Building Expansion Phase III, Lake City, FL CLIENT: Stellar, 2900 Hartley Road, Jacksonville, FL 32257 GENERAL CONTRACTOR: Stellar EARTHWORK CONTRACTOR: Stellar INSPECTOR: C. Williams **ASTM METHOD** SOIL USE (D-6938) Nuclear BUILDING FILL SPECIFIED REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (Ib/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
21	100 ft. East & 50 ft. North from Southeast Corner of Building	3	12"	118.2	12.6	105 0	1	109.1	96%
22	120 ft. East & 65 ft. North from Southeast Corner of Building	2	12"	118.9	12.4	105.8	1	109.1	97%
23	80 ft. East & 30 ft. North from Southeast Corner of Building	1	12	120.1	11,7	107.5	1	109.1	99%

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCTORS			
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST,	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557) ▼

Respectfully Submitted, **CAL-TECH TESTING, INC.**

Date:

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were Signal shall not Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the be reproduced without prior approval of the author.



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED:

8/2/2023

DATE REPORTED:

8/7/2023

(D-6938) Nuclear	<u> </u>	BUILDING FILL				
	ASTM METHOD	SOIL USE				
INSPECTOR:	C. Williams					
EARTHWORK CONTRACTOR:	Stellar					
GENERAL CONTRACTOR:	Stellar					
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257					
PROJECT:	US Cold Storage - Building Expansion Phase III, Lake City, FL					

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (Ib/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
24	150 ft. East & 60 ft. North from Southeast Corner of Building	4	12"	117.9	12.0	105.3	1	109.1	97%
25	110 ft. East & 90 ft. North from Southeast Corner of Building	4	12"	119.3	14.0	104.6	1	109.1	96%
26	100 ft. East & 170 ft. North from Southeast Corner of Building	4	12"	120 2	13.5	105.9	1	109.1	97%

REMARKS:

The Above Tests Meet Specified Requirements.

	 PROCTO	ORS		
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft³)	OPT. MOIST.	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557)

Respectfully Submitted, CAL-TECH TESTING, INC.

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Environmental

Laboratories

JOB NO.: 23-00297-01

DATE TESTED:

8/4/2023

DATE REPORTED:

8/8/2023

REPORT OF IN-PLACE DENSITY TEST

PROJECT: US Cold Storage - Building Expansion Phase III, Lake City, FL CLIENT: Stellar, 2900 Hartley Road, Jacksonville, FL 32257 GENERAL CONTRACTOR: Stellar **EARTHWORK CONTRACTOR:** Stellar INSPECTOR: C. Williams ASTM METHOD SOIL USE (D-6938) Nuclear BUILDING FILL SPECIFIED REQUIREMENTS: 95%

WET DRY TEST MOISTURE PROCTOR **PROCTOR** TEST NO. **TEST LOCATION** DENSITY DENSITY LIET MAXIMUM DEPTH PERCENT TEST NO. VALUE (lb/ft3) (lb/ft³) DENSITY 80 ft. North from Southeast 27 4 12" 118.4 11.5 106.2 109.1 97% Corner of Building 80 ft. North & 100 ft. West from 28 4 12" 122.4 18.6 103.2 109.1 95% Southeast Corner of Building 120 ft. North from Southeast 29 4 12" 123.4 13.5 108.7 109.1 100% Corner of Building 150 ft. North & 50 ft. West from 30 4 12" 124.8 12.9 110.5 1 109.1 101% Southeast Corner of Building 70 ft. South & 30 ft. West from 31 4 12" 125.7 12.9 111.3 1 109.1 102% Northeast Corner of Building 125 ft. South from Northeast 32 12" 119.2 13.0 105.5 109.1 97% Corner of Building

REMARKS:

The Above Tests Meet Specified Requirements.

		PROCTORS			
PROCTOR NO.	SOIL DESCRIPTION		MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST.	TYPE
1		Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM 0-1557) ▼

Respectfully Submitted, CAL-TECH TESTING, INC.

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in

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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED: 8/9/2023

DATE REPORTED: 8/16/2023

PROJECT:	US Cold Storage - Building Expansion Phase III, Lake City, FL							
CLIENT:		Stellar, 2900 Hartley Road, Jacksonville, FL 32257						
GENERAL CONTRACTOR:	Stellar				-			
EARTHWORK CONTRACTOR:	Stellar							
INSPECTOR:	N. Johnson		-					
A	STM METHOD			SOIL USE				
(D-6938) Nuclear	_		OTHER		•			
		SPECIFIED REQUIREMENTS:	95%					

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Nall Foote	ers							
33	30.19108°N, 82.56607°W	12"	122.1	10.1	110.9	1	109.1	102%
34	30.19092°N, 82.56603°W	12"	115.3	7.3	107.5	1	109.1	99%
35	30.19190°N, 82.56577°W	12"	113.3	6.1	106.8	1	109.1	98%
36	30.19116°N, 82.56585°W	12"	122.7	9.3	112.3	1	109.1	103%
37	30.19110°N, 82.56575°W	12"	122.4	7.7	113.6	1	109.1	104%
38	30.19093°N, 82.56570°W	12"	124.1	9.1	113.7	1	109.1	104%
39	30.19093°N, 82.56549°W	12"	121.6	13.6	107.0	1	109.1	98%
40	30.19113°N, 82.56552°W	12"	123.5	10.5	111.8	1	109.1	102%
41	30.19143°N, 82.56558°W	12"	118.9	6.9	111.2	1	109.1	102%
42	30.19149°N, 82.56543°W	12"	115.9	8.3	107.0	1	109.1	98%
43	30.19127°N, 82.56541°W	12"	121.6	10.7	109.8	1	109.1	101%
44	30.19102°N, 82.56539°W	12"	118.6	14.5	103.6	1	109.1	95%

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCTORS		<u> </u>	
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST,	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557) ▼

Respectfully Submitted, CAL-TECH TESTING, INC.

Date: # 8/16/23

No. 55550

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordant with energity accepted nations standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised subspaced by the energy accepted nations. This report shall not be reproduced without prior approval of the author.



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED: 8/16/2023

DATE REPORTED: 8/18/2023

PROJECT:	US Coid Storage -	Building Expansion Phase III, Lak	e City, FL			
CLIENT:		ey Road, Jacksonville, FL 32257				
GENERAL CONTRACTOR:	Stellar					
EARTHWORK CONTRACTOR:	Stellar				· · · · ·	
INSPECTOR:	N. Johnson					
Α.	STM METHOD			SOIL USE		
(D-6938) Nuclear	▼		OTHER		_	
		SPECIFIED REQUIREMENTS:	95%			

TEST NO.		<u></u>	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Column P	Column Pads								
45		Centerline 17.2 at Centerline G.8	12"	122.5	12.7	108.7	1	109.1	100%
46		Centerline 23 South of Train Track	12"	121.8	17.6	103.6	1	109.1	95%

REMARKS:

The Above Tests Meet Specified Requirements.

	 PROCTORS			
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST.	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557)

Respectfully Submitted, CAL-TECH TESTING, INC.

Reviewed By:

Date:

Licensed, Florida No:

123 No. 85550

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CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

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7540 103rd Street, Suite 215, Jacksonville, FL 32210 • (904)381-8901 • Fax (904) 381-8902

FILE NO.:							
23-00297-01							
CYLINDER SET NO.:							
	1						
LAB NO.:	398						

COMPRESSIVE STRENGTH OF CONCRETE TEST SPECIMENS

Client		Stellar, 2900 I	Hartley Road	Jacks	sonville,	FL 32257				
Project	t Name:	US Cold Stora								
Projec	t Location:	Lake City, FL	**************************************							
Project	t Contractor:	Stellar	10.00					1cc: Client	- 5370	1cc: File
	ete Supplier:	Columbia Rea	dy Mix Cond	rete			- 7	Report Date		200221100
4	Specified Strength for				Slump (in	nches):		Air Content (p		
DATA		psi: days:	3000 28			4-5				
DESIGN	Mix Type: Normal Wt.		ightweight	Moi	rtar Mix	Pump Mix	Grout	Other:		
	Plasticizer Added		-] No		If "Yes"	At Plant	At Jobsite		
	Date:		Time Concrete	Batcher	d:	Time Concre	ete Sampled:		Sampled By:	
	08/11/	/23	7:	58 AM			8:30 AM		N	Johnson
DATA	Concrete Truck No.: 74		Ticket No.:	14179		Size of Load	(c.y.): 10 cy		Weather Con-	ditions: Clear
	Extra Water Added at	Job Site:		-	☑ No If	"Yes" gal.;	***			Authorized by:
LAB	Plasticizer Added at J	ob Site: oal :			c.y.:	c.y.:			1	
and	Slump (inches):	ASTM C143	Air Temperatur	e (°F):	0.7		mperature (°F):	ASTM C172	Wet Weight (p	n.c.f.):
	4.5			83			92			
FIELD	Air Content (% by vol.):	ASTM C231	Molded and Cu	red to A	STM C-31			4-1-	Tested to AST	TM C-39:
<u> </u>				✓ Yes	☐ No	Unknowr	1		✓ Yes	☐ No
	Location of Concrete	Placement:		Wall Fe	ooters/Co	lumn Pads	22			
						TOTAL LOAD	TEST STRENGTH	TYPE OF	TESTED BY	
	A	08/15/23	08/18/23	(days)	4.02	AREA (sq. in.)	(pounds)	(p.s.l.)	FRACTURE	123,2001
	В	08/15/23	09/08/23	28	4.02	12.69	56,220	4430	5	
_	C	08/15/23	09/08/23	28	-					-
	D	08/15/23	HOLD	H	_		-			
	E	00/13/25	HOLD	17					-	
	F									
	G				-					
REMARKS										
	ills presented in this report are spe	unic only to the samples test	ted at the time of		Type			Type 2		7720-3
ince materia hould be exi	test was performed in accordance al conditions can vary between tas ercised with time, sound judgemer	I locations and change with I It should be exercised with re	time, sound judgement egand to the use and	Pile Option	azonabiy wi nes on both i Nen 1 In. (25 Tacking Mrs.	ol-formed orde, tees mm) ol igh caps	Well-for and, veril firsus defined i	ried come on one phi drindle rarring is cape, so well- drin on other and	Column 2 shrough 1	ser vertical creshing both eride, no well- prinad corne
lerpretation	of the data. This report shall not t	be reproduced without prior a	approval of the author]				
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	tfully Submitted,							(A)	ALL	0
AL-TE	AL-TECH TESTING, INC.					R	eviewed By:	45/	No. 615	80 V
							Licensed,	Florida No:	653.50	, *=
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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

8/22/2023 DATE TESTED:

DATE REPORTED: 8/23/2023

PROJECT:	US Cold Storage -	Building Expansion Phase III, Lak	e City, FL		
CLIENT:		ey Road, Jacksonville, FL 32257			
GENERAL CONTRACTOR:	Stellar				
EARTHWORK CONTRACTOR:	Stellar				
INSPECTOR:	C. Williams				
AS	STM METHOD		\$0	IL USE	
(D-6938) Nuclear	▼		BUILDING FILL	•	
		SPECIFIED REQUIREMENTS:	98%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ²)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
47	125 ft. from Northside of East End	12"	114.5	7.4	106.6	1	109.1	98%
48	175 ft. from Northside of East End	12"	116.2	8.5	107.1	1	109.1	98%
49	Northside Footers Started West Going East Footer 1	12"	113.6	4.2	109.0	1	109.1	100%
50	Northside West to East Footer 2	12"	114.9	4.3	110.2	1	109.1	101%
51	Northside West to East Footer 3	12"	111.8	4.3	107.2	1	109.1	98%
52	Northside West to East Footer 4	12"	112.0	4.1	107.6	1	109.1	99%
53	Northside West to East Footer 5	12"	112.3	3.9	108.1	1	109.1	99%
54	Southside East to West Footer 4	12"	123.7	15.9	106.7	1	109.1	98%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS PROCTOR MAXIMUM DRY UNIT OPT. SOIL DESCRIPTION **TYPE** NO. WEIGHT (Ib/ft3) MOIST. Light Gray Sand with Silt (SP-SM) 109.1 12.4 MODIFIED (ASTM D: 1557)

Respectfully Submitted, CAL-TECH TESTING, INC.

Date:

Reviewed

Licensed,

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in according standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with re-This report shall not be reproduced without prior approval of the author.



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FILE NO.:						
	23-00297-01					
CYLINDER SET NO.:						
	2					
LAB NO.;	409					

COMPRESSIVE STRENGTH OF CONCRETE TEST SPECIMENS

Client:	- 14.0	Stellar, 2900	Hartley Road	Jacks	onville	FL 32257			30.0	
ı	Name:	US Cold Stor					<u>.</u>			
1 '	: Location:	Lake City, FL								· ·
1	Contractor:	Stellar					·	1cc: Client		1cc: File
Concre	ete Supplier:	Columbia Ro	ady Mix Conc	rete				Report Date:		100, 11,0
4	Specified Strength for	Structure:	2		Slump (ir	iches):		Air Content (p		·
.V	Specified Strength for	psi:	3000			4-6			•••	
Z	Mix Type:	_days:	28			· · · · · · · · · · · · · · · · · · ·				
SIG	Normal Wt.		Lightweight	Mor	tar Mix [Pump Mix	Grout	Other:		
DESIGN	Plasticizer Added:		Yes	No		If "Yes",	At Plant	At Jobsite		
	Date:		Time Concrete		d:		ete Sampled:		Sampled By:	<u></u>
	08/17/	/23	9:2	20 AM			10:15 AM			C. Day
⋖	I					Size of Load		<u>'</u>	Weather Con-	
DATA	73		1	4231		3126 01 6080	1 (c.y.). 10			anions: vercast
8	Extra Water Added at	Job Site:		Yes [☑ No If	"Yes" gal.:			Extra Water A	Authorized by:
LAB	Ministration of the state of th	it on 1				c.y.:	***		[
and	Plasticizer Added at J Slump (inches):	ASTM C143	Air Temperatur	o /°E\:	c.y.:	_	macrature (9E)	ACTN 0470	14/ = 4 14/ = 1 = 1 = 4 = 4	()
a	Sidilip (illicites).	731W C 143	1	90		Concrete re	emperature (°F): 93	AS IM C172	Wet Weight (p.c.r.):
FIELD	Air Content (% by vol.):	ASTM C231	Molded and Cu	red to A	STM C-31	:			Tested to AST	TM C-39:
= -			✓ Yes	☐ Ño	Unknow	n	1	✓ Yes	☐ No	
	Location of Concrete I	Placement:		5 Colu	mn Pads	- CL 21.9	····			
										. .
s	PECIMEN I.D. LAB NO	DATE RECEIVED IN LAS	DATE TESTED	AGE (days)	DIA. (in.)	AREA (sq. in.)	TOTAL LOAD (pounds)	TEST STRENGTH (p.s.l.)	TYPE OF FRACTURE	TESTED BY
	Α	08/18/23	08/24/23	7	4.01	12.63	71,540	5660	5	1
	В	08/18/23	09/14/23	28						
	С	08/18/23	09/14/23	28						
	D	08/18/23	HOLD	Н						
	E		ļ							
	F									
	G		:	l						
REMARKS	:				7		7774	1 (337		пт
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esting. The	Ils presented in this report are spe test was performed in accordance	with generally accepted in	ethods and standards	Ke ter	Type 1 esonably we wit on both a wan 1 in. (25	l M-formed Inda, less	Wallifor	Type 2 med cone on oile cal crease ruthing	Column Strough	Type 3 ner vertices cracking i both ends, no well-
i hould be ex	n conditions can vary between les ercised with time, sound judgemer	I should be exercised with	regard to the use and	-	nan 1 in. (25 sicking shrou	mmj ot igh caps	through.	phicago, hip well- cone on other and		ormed cones
Marprelabon	of the data. This report shall not t	be reproduced without prior	r approval of the author			7				
					<u></u>	נ	L	1		
				Dien	Type 4 genet fractor licking throug	e with no the side,	Side frac botton (n with set	Types II Survive on test of suctor economic white	THE STATE OF	III (TATION OF BUILDING
Respec	tfully Submitted,			ella	ng with ham linguish from	Type 1	***************************************	Be	THE THE	C.
	CH TESTING, INC.						Reviewed By:	Calib	16 TO	ENSSAL
	,,					r		Florida No.:	65550	A GAD
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REPORT OF IN-PLACE DENSITY TEST

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JOB NO.: 23-00297-01

DATE TESTED:

8/18/2023

DATE REPORTED:

8/25/2023

PROJECT:	US Cold Storage - Building Expansion Phase III, Lake	US Cold Storage - Building Expansion Phase III, Lake City, FL							
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257								
GENERAL CONTRACTOR:	Stellar								
EARTHWORK CONTRACTOR:	Stellar								
INSPECTOR:	C. Williams								
A	STM METHOD		SOIL USE						
(D-6938) Nuclear	₩	OTHER		▼					
	SPECIFIED REQUIREMENTS:	95%							

TEST NO.			TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY	
Column F	Column Pads									
55		Column Pad at A.8	12"	125.1	14.2	109.5	1	109.1	100%	
56		Column Pad at D.8	12"	127.6	15.9	110.1	1	109.1	101%	

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCTORS	<u> </u>	·	
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft³)	OPT. MOIST.	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557) ▼

Respectfully Submitted, CAL-TECH TESTING, INC.

Reviewed By

Date: Florida No:

No. 65556

65550 STATE OF

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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED:

8/24/2023

DATE REPORTED:

8/25/2023

PROJECT:	US Cold Storage - Building Expansion Phase III, Lake City, FL							
CLIENT:		itellar, 2900 Hartley Road, Jacksonville, FL 32257						
GENERAL CONTRACTOR:	Stellar							
EARTHWORK CONTRACTOR:	Stellar							
INSPECTOR:	C. Day							
AS	STM METHOD		-70	SOIL USE				
(D-6938) Nuclear			OTHER		▼			
	SP	ECIFIED REQUIREMENTS:	95%	·				

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (Ib/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Column P								
57	Column Pad Column Line 23 & G.2	12"	118.4	11.0	106.7	1	109.1	98%
58	Column Pad Column Line 23 & H.8	12"	115.2	10.9	103.9	1	109.1	95%
59	Column Pad Column Line A.8 & 20.9	12"	117.9	12.0	105.3	1	109.1	97%
60	Column Pad Column Line A.8 & 19.8	12"	116.8	8.6	107.6	1	109.1	99%
61	Column Pad Column Line A.8 & 18.9	12"	117.6	8.7	108.2	1	109.1	99%
62	Column Pad Column Line A.8 & 18.1	12"	119.7	7.1	111.8	1	109.1	102%

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCT	ORS		
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft ³)	OPT. MOIST.	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557) ■

Respectfully Submitted, CAL-TECH TESTING, INC.

Licens

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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED:

9/8/2023

DATE REPORTED:

9/5/2023

PROJECT:	US Cold Storage - Building Expansion Phase III, Lake City, FL						
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257						
GENERAL CONTRACTOR:	Stellar						
EARTHWORK CONTRACTOR:	Stellar						
INSPECTOR:	N. Johnson						
A	STM METHOD	SOIL USE					
(D-6938) Nuclear	•	TRENCH BACKFILL	*				
-	SPECIFIED REQUIREMENTS:	95%					

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (Ib/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Column P								
63	Line 23 Column RA.5	12"	115.7	5.8	109.4	1	109.1	100%
64	Line 23 Column B2	12"	117.4	11.0	105.8	1	109.1	97%
65	Line 23 Column C6	12"	117.7	10.5	106.5	1	109.1	98%
66	Line 23 Column D8	12"	117.3	7.7	108.9	1	109.1	100%
67	30.19089°N, 82.56539°W	12	123.8	15:1	107.6	1	109.1	99%
68	30.19089°N, 82.56529°W	12"	112.9	8.1	104.4	1	109.1	96%

REMARKS:

The Above Tests Meet Specified Requirements.

	PROCTORS							
PROCTOR NO.	S	OIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (Ib/ft ³)	OPT. MOIST.	TYPE			
1	Light Gra	ay Sand with Silt (SP-SM)	109.1	12,4	MODIFIED (ASTM D-1557)	T		

Respectfully Submitted, CAL-TECH TESTING, INC.

Date:

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in posture standards. Since material conditions can vary between test locations and change with time, sound judgement around be exercised with our use and integration of the author.

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