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## Cal-Tech Testing, Inc.

P O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456  
7540 103rd St. Suite 215 Jacksonville, FL 32210 • Tel(904)381-8901 • Fax(904)381-8902

### REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED: 6/30/2023

DATE REPORTED: 7/3/2023

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:	C. Williams
ASTM METHOD	SOIL USE
(D-6938) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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:

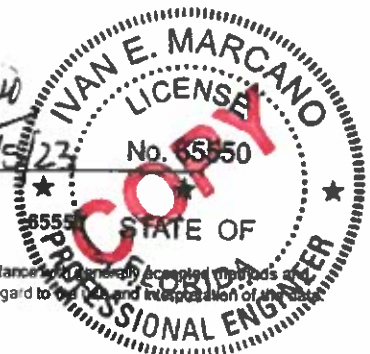
The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	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:



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### 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, Lake City, FL	
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257	
GENERAL CONTRACTOR:	Stellar	
EARTHWORK CONTRACTOR:	Stellar	
INSPECTOR:	C. Williams	
ASTM METHOD (D 6938) Nuclear		SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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 (lb/ft <sup>3</sup> )	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:

7/10/23

65550

No. 65550

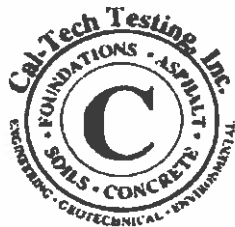
65550

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

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JOB NO.: 23-00297-01

### REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 7/6/2023

DATE REPORTED: 7/10/2023

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:	C. Williams
ASTM METHOD	SOIL USE
(D-6938) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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 (lb/ft <sup>3</sup> )	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: 7/10/23  
Licensed Florida No: 85550



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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 - 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 (D-6938) Nuclear	SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	OPT. MOIST.	TYPE
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Respectfully Submitted,  
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Reviewed By:

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JOB NO.: 23-00297-01

### REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 7/17/2023

DATE REPORTED: 7/19/2023

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:	C. Williams	
ASTM METHOD	SOIL USE	
(D-6938) Nuclear	BUILDING FILL	
SPECIFIED REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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/ft <sup>3</sup> )	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.

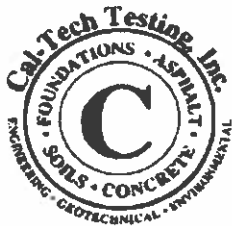
Reviewed By

Date:

Licensed Florida No:



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JOB NO.: 23-00297-01

### REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 8/1/2023

DATE REPORTED: 8/7/2023

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:	C. Williams
ASTM METHOD	SOIL USE
(D-6938) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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.

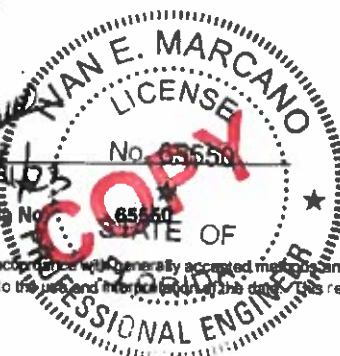
PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	OPT. MOIST.	TYPE
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Respectfully Submitted,  
CAL-TECH TESTING, INC.

Reviewed By:

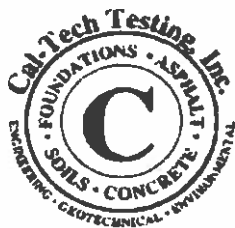
Date:

Licensed, Florida No.



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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

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/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	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:



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JOB NO.: 23-00297-01

### REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 8/4/2023

DATE REPORTED: 8/8/2023

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:	C. Williams
ASTM METHOD	SOIL USE
(D-6938) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
27	80 ft. North from Southeast Corner of Building	4	12"	118.4	11.5	106.2	1	109.1	97%
28	80 ft. North & 100 ft. West from Southeast Corner of Building	4	12"	122.4	18.6	103.2	1	109.1	95%
29	120 ft. North from Southeast Corner of Building	4	12"	123.4	13.5	108.7	1	109.1	100%
30	150 ft. North & 50 ft. West from Southeast Corner of Building	4	12"	124.8	12.9	110.5	1	109.1	101%
31	70 ft. South & 30 ft. West from Northeast Corner of Building	4	12"	125.7	12.9	111.3	1	109.1	102%
32	125 ft. South from Northeast Corner of Building	4	12"	119.2	13.0	105.5	1	109.1	97%

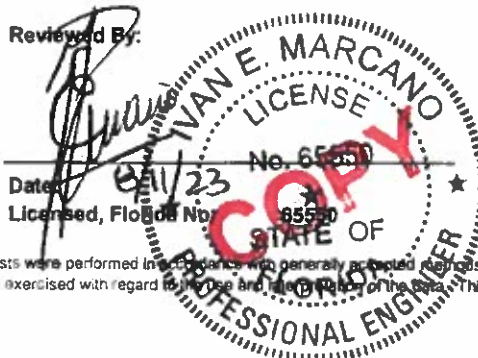
REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	OPT. MOIST.	TYPE
1	Light Gray Sand with Silt (SP-SM)	109.1	12.4	MODIFIED (ASTM D-1557)

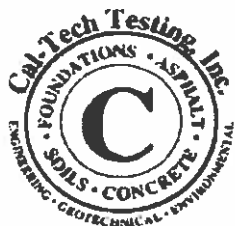
Respectfully Submitted,  
CAL-TECH TESTING, INC.

Reviewed By:



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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
ASTM METHOD	SOIL USE
(D-6938) Nuclear	OTHER
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Wall Footers								
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				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	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:

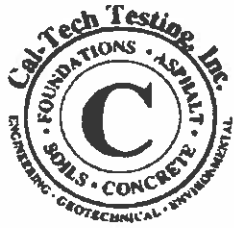
Licensed, Florida No.

No. 65550

65550

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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 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
ASTM METHOD	SOIL USE
(D 6938) Nuclear	OTHER
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
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 (lb/ft <sup>3</sup> )	OPT. MOIST.	TYPE
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# CAL-TECH TESTING, INC.

## ENGINEERING & TESTING LABORATORY

P.O. Box 1625 Lake City, FL 32056 • (386) 755-3633 • Fax (386) 752-5456

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 Hartley Road, Jacksonville, FL 32257		
Project Name:	US Cold Storage - Building Expansion Phase III		
Project Location:	Lake City, FL		
Project Contractor:	Stellar	1cc: Client	1cc: File
Concrete Supplier:	Columbia Ready Mix Concrete	Report Date:	

DESIGN DATA	Specified Strength for Structure:	psi: 3000	Slump (inches): 4-5	Air Content (percent): ---						
	days: 28									
	Mix Type:	<input checked="" type="checkbox"/> Normal Wt. <input type="checkbox"/> Lightweight <input type="checkbox"/> Mortar Mix <input type="checkbox"/> Pump Mix <input type="checkbox"/> Grout <input type="checkbox"/> Other:								
	Plasticizer Added:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" <input type="checkbox"/> At Plant <input type="checkbox"/> At Jobsite								
FIELD and LAB DATA	Date:	08/11/23	Time Concrete Batched:	7:58 AM	Time Concrete Sampled:	8:30 AM	Sampled By:	N. Johnson		
	Concrete Truck No.:	74	Ticket No.:	144179	Size of Load (c.y.):	10 cy	Weather Conditions:	Clear		
	Extra Water Added at Job Site:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" gal.: --- c.y.: ---				Extra Water Authorized by:	---			
	Plasticizer Added at Job Site: gal.:	c.y.:				Wet Weight (p.c.f.):	---			
	Slump (inches):	4.5	ASTM C143	Air Temperature (°F):	83	Concrete Temperature (°F):	92	ASTM C172	Wet Weight (p.c.f.):	---
	Air Content (% by vol.):	---	ASTM C231	Molded and Cured to ASTM C-31:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Tested to ASTM C-39:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
	Location of Concrete Placement:	Wall Footers/Column Pads								

SPECIMEN I.D. LAB NO	DATE RECEIVED IN LAB	DATE TESTED	AGE (days)	TEST SPECIMEN SIZE		TOTAL LOAD (pounds)	TEST STRENGTH (p.s.i.)	TYPE OF FRACTURE	TESTED BY
				DIA (in.)	AREA (sq. in.)				
A	08/15/23	08/18/23	7	4.02	12.69	56,220	4430	5	
B	08/15/23	09/08/23	28						
C	08/15/23	09/08/23	28						
D	08/15/23	HOLD	H						
E									
F									
G									

#### REMARKS:

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 Type 1 Reasonably well-formed cones on both ends, less than 1 in. (25 mm) of cracking through caps	 Type 2 Well-formed cones on one end, vertical cracks running through caps, no well-defined cones on other end	 Type 3 Columnar vertical cracking through both ends, no well-formed cones
 Type 4 Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1	 Type 5 Side fracture near top or bottom (local crushing) with horizontal cracking	 Type 6 Other types of fracture not shown

Respectfully Submitted,  
CAL-TECH TESTING, INC.

Reviewed By:  
Licensed, Florida No.:





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### REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED: 8/22/2023

DATE REPORTED: 8/23/2023

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:	C. Williams
ASTM METHOD	SOIL USE
(D-6938) Nuclear	BUILDING FILL
SPECIFIED REQUIREMENTS: 98%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	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 NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	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:



The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of test data. 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:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257		
Project Name:	US Cold Storage - Building Expansion Phase III		
Project Location:	Lake City, FL		
Project Contractor:	Stellar	1cc: Client	1cc: File
Concrete Supplier:	Columbia Ready Mix Concrete		
	Report Date:		

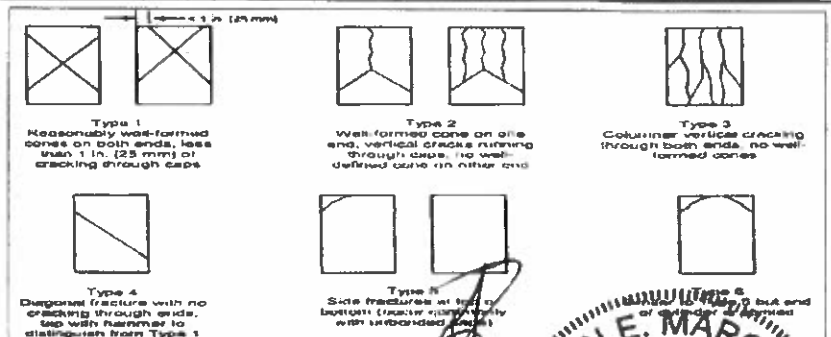
DESIGN DATA	Specified Strength for Structure:	Slump (inches):	Air Content (percent):
	psi: 3000 days: 28	4-6	---
	Mix Type: <input checked="" type="checkbox"/> Normal Wt. <input type="checkbox"/> Lightweight <input type="checkbox"/> Mortar Mix <input type="checkbox"/> Pump Mix <input type="checkbox"/> Grout <input type="checkbox"/> Other:		
	Plasticizer Added:	If "Yes", <input type="checkbox"/> At Plant <input type="checkbox"/> At Jobsite	
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

FIELD and LAB DATA	Date:	Time Concrete Batched:	Time Concrete Sampled:	Sampled By:
	08/17/23	9:20 AM	10:15 AM	C. Day
	Concrete Truck No.: 73	Ticket No.: 144231	Size of Load (c.y.): 10	Weather Conditions: Overcast
	Extra Water Added at Job Site:	if "Yes" gal.: --- c.y.: ---		Extra Water Authorized by: ---
	Plasticizer Added at Job Site: gal.: --- c.y.: ---			
	Slump (inches): 4 ASTM C143	Air Temperature (°F): 90	Concrete Temperature (°F): 93 ASTM C172	Wet Weight (p.c.f.): ---
	Air Content (% by vol.): --- ASTM C231	Molded and Cured to ASTM C-31: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Tested to ASTM C-39: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Location of Concrete Placement: 5 Column Pads - CL 21.9				

SPECIMEN I.D. LAB NO	DATE RECEIVED IN LAB	DATE TESTED	AGE (days)	TEST SPECIMEN SIZE		TOTAL LOAD (pounds)	TEST STRENGTH (p.s.i.)	TYPE OF FRACTURE	TESTED BY
				DIA. (in.)	AREA (sq. in.)				
A	08/18/23	08/24/23	7	4.01	12.63	71,540	5660	5	
B	08/18/23	09/14/23	28						
C	08/18/23	09/14/23	28						
D	08/18/23	HOLD	H						
E									
F									
G									

#### REMARKS:

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Respectfully Submitted,  
CAL-TECH TESTING, INC.

Reviewed By: \_\_\_\_\_  
Licensed, Florida No.:

Date: 8/25/23  
685061500







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JOB NO.: 23-00297-01

### REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 8/18/2023

DATE REPORTED: 8/25/2023

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:	C. Williams	
ASTM METHOD (D-6938) Nuclear ▼		SOIL USE OTHER ▼
SPECIFIED REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
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				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	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: 8/25/23

Licensed Florida No:



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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:	Stellar, 2900 Hartley Road, Jacksonville, FL 32257
GENERAL CONTRACTOR:	Stellar
EARTHWORK CONTRACTOR:	Stellar
INSPECTOR:	C. Day
ASTM METHOD	SOIL USE
(D 6938) Nuclear	OTHER
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Column Pads								
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.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	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: 8/25/23  
Licensed, Florida No. 65550



The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data. 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: 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
ASTM METHOD (D-6938) Nuclear	SOIL USE TRENCH BACKFILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Column Pads								
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.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	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: 9/6/23  
Licensed, Florida No.:



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