



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.:	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:	

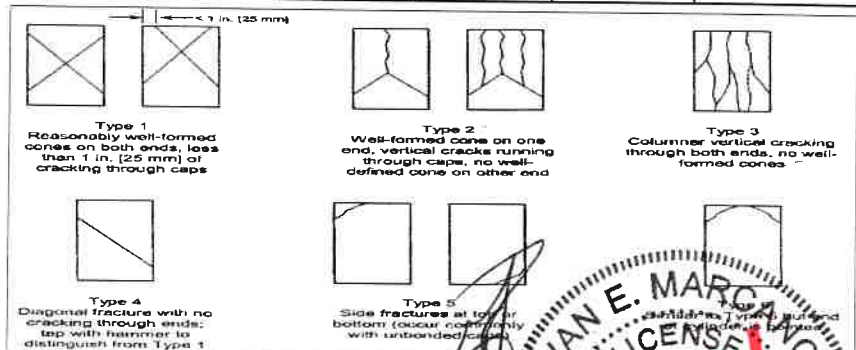
DESIGN DATA	Specified Strength for Structure:	psi: 3000	Slump (inches): 4-6	Air Content (percent): ---	
	days: 28				
	Mix Type:	<input checked="" type="checkbox"/> Normal Wt. <input type="checkbox"/> Lightweight <input type="checkbox"/> Mortar Mix <input type="checkbox"/> Pump Mix <input type="checkbox"/> 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			
	Date:	08/17/23	Time Concrete Batched: 9:20 AM	Time Concrete Sampled: 10:15 AM	Sampled By: C. Day
	Concrete Truck No.:	73	Ticket No.: 144231	Size of Load (c.y.): 10	Weather Conditions: Overcast
	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.:		
	Slump (inches): 4	ASTM C143	Air Temperature (°F): 90	Concrete Temperature (°F): ASTM C172 93	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	4.01	12.63	94,240	7460	4	
C	08/18/23	09/14/23	28	4.01	12.63	90,830	7190	4	
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. 65550

Date: 9/12/23

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

IAN E. MARGO

License No. 65550



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FILE NO.:	23-00297-01
CYLINDER SET NO.:	3
LAB NO.:	410

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		

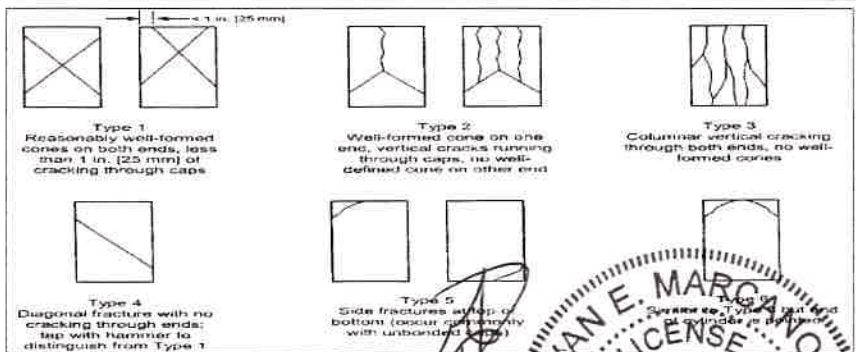
FIELD and LAB DATA	Date:	Time Concrete Batched:	Time Concrete Sampled:	Sampled By:
	08/18/23	10:00 AM	10:36 AM	C. Williams
	Concrete Truck No.: 70	Ticket No.: 144248	Size of Load (c.y.): 10	Weather Conditions: Sunny
	Extra Water Added at Job Site: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "Yes" gal.: --- c.y.: ---	Extra Water Authorized by: ---	
	Plasticizer Added at Job Site: gal.: --- c.y.: ---			
	Slump (inches): 4 ASTM C143	Air Temperature (°F): 82	Concrete Temperature (°F): 90 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: Eastside 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	08/21/23	09/15/23	28	4.02	12.69	85,520	6740	5	
B	08/21/23	09/15/23	28	4.02	12.69	81,640	6430	5	
C	08/21/23	HOLD	H						
D									
E									
F									
G									

REMARKS:

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Respectfully Submitted,
CAL-TECH TESTING, INC.



Reviewed By:
Licensed, Florida No. 65550
Date: 9/20/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JUAN E. MARCHESE
LICENSE NO. 65550



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FILE NO.:	23-00297-01
CYLINDER SET NO.:	9
LAB NO.:	426

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: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes", <input type="checkbox"/> At Plant <input type="checkbox"/> At Jobsite			

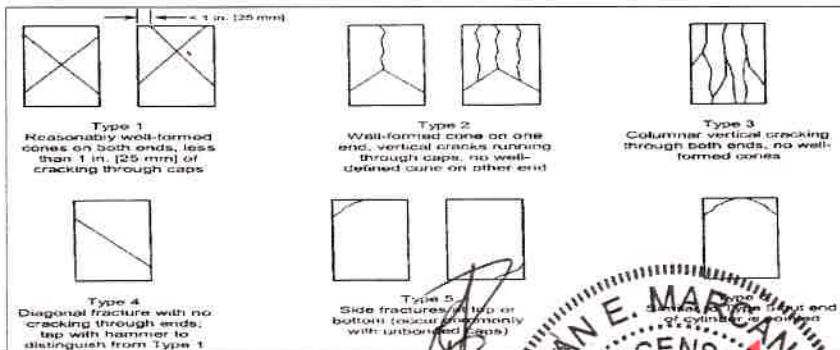
FIELD and LAB DATA	Date:	Time Concrete Batched:	Time Concrete Sampled:	Sampled By:
	09/07/23	9:13 AM	10:04 AM	B. Morris
	Concrete Truck No.:	Ticket No.:	Size of Load (c.y.):	Weather Conditions:
	73	14405	10	Clear
	Extra Water Added at Job Site: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" gal.: --- c.y.: ---			Extra Water Authorized by:
	Plasticizer Added at Job Site: gal.: --- c.y.: ---			---
	Slump (inches):	Air Temperature (°F):	Concrete Temperature (°F):	Wet Weight (p.c.f.):
4	80	91	---	
Air Content (% by vol.):	Molded and Cured to ASTM C-31:		Tested to ASTM C-39:	
---	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Location of Concrete Placement: East EMP Wall				

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	09/08/23	09/14/23	7	4.02	12.69	69,950	5510	4	
B	09/08/23	10/05/23	28						
C	09/08/23	10/05/23	28						
D	09/08/23	HOLD	H						
E									
F									
G									

REMARKS:

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Respectfully Submitted,
CAL-TECH TESTING, INC.



Reviewed By: *[Signature]*
Licensed, Florida No.: **65550**
Date: **09/20/23**





CAL-TECH TESTING, INC.

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FILE NO.:	23-00297-01
CYLINDER SET NO.:	10
LAB NO.:	427

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	4-6	---
	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:	Time Concrete Batched:	Time Concrete Sampled:	Sampled By:
	09/07/23	9:39 AM	10:45 AM	B. Morris
	Concrete Truck No.: 65	Ticket No.: 14406	Size of Load (c.y.): 10	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.: ---			
	Slump (inches): 4	Air Temperature (°F): 80	Concrete Temperature (°F): 91	Wet Weight (p.c.f.): ---
	Air Content (% by vol.): ---	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: East EMP Wall				

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	09/08/23	09/14/23	7	4.02	12.69	69,920	5510	5	
B	09/08/23	10/05/23	28						
C	09/08/23	10/05/23	28						
D	09/08/23	HOLD	H						
E									
F									
G									

REMARKS:

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Reviewed By:
Licensed, Florida No.: 65550
Date: 9/20/23

IVAN E. MARCIANO
LICENSED PROFESSIONAL ENGINEER
No. 65550
STATE OF FLORIDA

Respectfully Submitted,
CAL-TECH TESTING, INC.



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FILE NO.:	23-00297-01
CYLINDER SET NO.:	11
LAB NO.:	428

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:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes", <input type="checkbox"/> At Plant <input type="checkbox"/> At Jobsite		

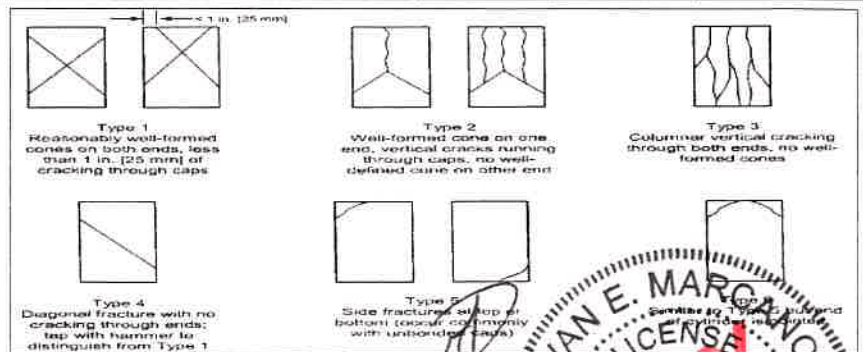
FIELD and LAB DATA	Date:	Time Concrete Batched:	Time Concrete Sampled:	Sampled By:
	09/07/23	10:14 AM	11:15 AM	B. Morris
	Concrete Truck No.: 64	Ticket No.: 28836	Size of Load (c.y.): 10	Weather Conditions: Clear
	Extra Water Added at Job Site:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If "Yes" gal.: --- c.y.: ---	Extra Water Authorized by: ---
	Plasticizer Added at Job Site: gal.:	c.y.:		
	Slump (inches): ASTM C143 5.25	Air Temperature (°F): 73	Concrete Temperature (°F): ASTM C172 81	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: East EMP Wall				

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	09/08/23	09/14/23	7	4.02	12.69	47,980	3780	5	
B	09/08/23	10/05/23	28						
C	09/08/23	10/05/23	28						
D	09/08/23	HOLD	H						
E									
F									
G									

REMARKS:

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Respectfully Submitted,
CAL-TECH TESTING, INC.



Reviewed By: [Signature]
Licensed, Florida No. 65550

Date: 9/23/23





- Engineering
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- Laboratories

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

JOB NO.: 23-00297-01

REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 9/13/2023

DATE REPORTED: 9/19/2023

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:	N. Johnson
ASTM METHOD	SOIL USE
(D-6938) Nuclear	TRENCH BACKFILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Structure B to Pond									
95	25 ft. South of Structure B	1	12"	110.8	6.8	103.7	1	109.1	95%
96	40 ft. South of Structure B	2	12"	112.9	6.5	106.0	1	109.1	97%
97	30 ft. South of Structure B	3	12"	110.0	6.4	103.4	1	109.1	95%
98	35 ft. South of Structure B	4	12"	109.3	4.8	104.3	1	109.1	96%
99	55 ft. South of Structure B	5	12"	110.0	5.9	103.9	1	109.1	95%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/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.

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 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: 9/14/2023

DATE REPORTED: 9/19/2023

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:	N. Johnson	
ASTM METHOD	SOIL USE	
(D-6938) Nuclear ▼	TRENCH BACKFILL ▼	
SPECIFIED REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
100	Eastside of Structure B	1	12"	112.0	7.0	104.7	1	109.1	96%
101	Northside of Structure B	2	12"	115.9	8.7	106.6	1	109.1	98%
102	Westside of Structure B	3	12"	115.0	6.8	107.7	1	109.1	99%
103	Southside of Structure B	4	12"	115.4	8.1	106.8	1	109.1	98%
104	Eastside of Structure B	5	12"	114.5	7.6	106.4	1	109.1	98%
105	25 ft. South of Structure E	1	12"	114.0	10.5	103.2	1	109.1	95%
106	35 ft. South of Structure E	2	12"	112.0	8.3	103.4	1	109.1	95%
107	50 ft. South of Structure E	3	12"	112.8	8.3	104.2	1	109.1	96%
108	45 ft. South of Structure E	4	12"	113.7	9.6	103.7	1	109.1	95%
109	15 ft. South of Structure E	5	12"	117.8	10.9	106.2	1	109.1	97%

REMARKS:

The Above Tests Meet Specified Requirements. ▼

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/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.

Reviewed By:

Date: 9/20/23
Licensed, Florida No:



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED: 9/18/2023

DATE REPORTED: 9/19/2023

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:	M. Hopkins	
ASTM METHOD	SOIL USE	
(D-6938) Nuclear	TRENCH BACKFILL	
SPECIFIED REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
110	20 ft. South of Structure C	1	12"	118.4	10.1	107.5	1	109.1	99%
111	40 ft. South of Structure C	2	12"	113.1	7.6	105.1	1	109.1	96%
112	35 ft. South of Structure C	3	12"	116.1	9.1	106.4	1	109.1	98%
113	15 ft. South of Structure C	4	12"	118.2	11.3	106.2	1	109.1	97%
114	5 ft. South of Structure C	5	12"	112.1	4.6	107.2	1	109.1	98%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/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.

Reviewed By:

Date:

Licensed, Florida No:



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 23-00297-01

DATE TESTED: 9/18/2023

DATE REPORTED: 9/19/2023

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:	M. Hopkins
ASTM METHOD	SOIL USE
(D-6938) Nuclear	TRENCH BACKFILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
115	15 ft. North of Structure D	1	12"	116.7	9.1	107.0	1	109.1	98%
116	25 ft. North of Structure D	2	12"	114.8	8.5	105.8	1	109.1	97%
117	35 ft. North of Structure D	3	12"	118.0	7.8	109.5	1	109.1	100%
118	40 ft. North of Structure D	4	12"	115.0	7.7	106.8	1	109.1	98%
119	20 ft. North of Structure D	5	12"	113.1	6.1	106.6	1	109.1	98%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/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.

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 the data. This report shall not be reproduced without prior approval of the author.



- Engineering
 - Geotechnical
 - Environmental
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Cal-Tech Testing, Inc.

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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: 9/14/2023

DATE REPORTED: 9/19/2023

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:	N. Johnson
ASTM METHOD	SOIL USE
(D-6938) Nuclear	TRENCH BACKFILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
120	Eastside of Structure E	1	12"	114.1	9.2	104.5	1	109.1	96%
121	Westside of Structure E	2	12"	116.9	10.6	105.7	1	109.1	97%
122	Northside of Structure E	3	12"	119.2	12.9	105.6	1	109.1	97%
123	Southside of Structure E	4	12"	113.0	8.7	104.0	1	109.1	95%
124	Westside of Structure E	5	12"	114.0	9.4	104.2	1	109.1	96%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/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.

Reviewed By:

Date:

Licensed, Florida No:



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