

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 S	ET NO.:
	2
LAB NO.:	409

	CHNICAL	COMPRE	SSIVE ST	KEN	GIR	OF CONC	KEILI	EST SPE	CIMENS	
Client:		Stellar, 2900	Hartley Road	l, Jack	sonville.	FL 32257				
Project	t Name:		rage - Building							
Project	t Location:	Lake City, FI								
Project	t Contractor:	Stellar						1cc: Client		1cc: File
	ete Supplier:	Columbia Re	ady Mix Cond	rete				Report Date		Too. Tile
DATA	Specified Strength	for Structure:			Slump (i	nches):		Air Content (
A		psi: days:	3000			4-6				
Z	Mix Type:	uays.	20							
DESIGN	✓ Normal Wt		Lightweight	□ Мо	rtar Mix	Pump Mix	Grout	Other:		
۵	Plasticizer Added:			No		If "Yes",	At Plant	At Jobsite		
	Date:		Time Concrete	Batche	d:	Time Concre	ete Sampled:		Sampled By:	
	08/1	17/23	9::	20 AM			10:15 AM			C. Day
DATA	Concrete Truck No.	: '3	Ticket No.:	14231		Size of Load			Weather Cond	ditions:
Ω	Extra Water Added				✓ No If	Yes" gal.:	10			vercast
LAB				165 (<u> </u>	C.y.:			Extra Water A	utnorized by:
글	Plasticizer Added at	Job Site: gal.:			C.y.:					-
co	Slump (inches):	ASTM C143	Air Temperatur	e (°F):		Concrete Ter	mperature (°F)	: ASTM C172	Wet Weight (p	o.c.f.):
FIELD	Air Content (% by vol.)	: ASTM C231	Molded and Cu	red to A	STM C-31	:		Tested to ASTM C-39:		
		•••:		✓ Yes	□ No	Unknown	1		✓ Yes No	
	Location of Concrete	e Placement:		5 Colu	ımn Pads	- CL 21.9				
SE	PECIMEN I.D. LAB NO	DATE DECEMED IN A		AGE	TEST S	PECIMEN SIZE	TOTAL LOAD	TEST STRENGTH	T 7/05 05	
	A	DATE RECEIVED IN LA	08/24/23	(days)	DIA_ (in_)	AREA (sq. in.)	(pounds)	(p.s.l.)	TYPE OF FRACTURE	TESTED BY
	В	08/18/23	09/14/23	7 28	4.01	12.63	71,540	5660	5	
	C	08/18/23	09/14/23	28	4.01	12.63	94,240	7460	4	
	D	08/18/23	HOLD	H	4.01	12.63	90,830	7190	4	
	E	30710120	HOLD		-					
	F									
	G									
EMARKS:						- 1 in. (25 mr	ni		L	U
					\times	X				KIN
e test result	s presented in this report are s	pecific only to the samples te	sted at the time of		Type 1		L	Type 2		Ty []
sting. The te nce material	est was performed in accordant conditions can vary between to	ce with generally accepted meet locations and change with	ethods and standards	con	asonably we les on both o lan 1 in, [25 acking throu	mds, loss	end, verl throug	med cone on one ical cracks running in caps, no well-	i through i	Type 3 or verticel crecking both ends, no well- med cones. "
ould be exer erpretation o	rcised with time, sound judgem of the data. This report shall no	ent should be exercised with at be reproduced without prior	regard to the use and approval of the author.			1	Conned .	cone on other end	1	
								1	Manna Manna	Milling.
				Diag	Type 4	t with no	Side frac	ура 5 Д	MILL MA	RCA MILL
				cra	icking throug op with humo linguish from	h ends; ner to	with unit	cour commonly	P. CEN	ISE TO
	fully Submitted,							11/3	THU	1:0
AL-TE	CH TESTING, INC	•				Re	eviewed By:	All	No. 6	550
							- 3	Florida Non	65550	*
								Date:	212067ATE	OF . o-
								1	PO FLOR	IOP LE
								1 3	W.ESC.	ENGLIME
									MOION	Jr Chimic



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FILE NO.:	
	23-00297-01
CYLINDER S	ET NO.:
0	3
LAB NO.:	410

Client:		Stellar, 2900								
Project	: Name:	US Cold Store	age - Building	Expar	sion Ph	ase III				
Project	: Location:	Lake City, FL								
Project	Contractor:	Stellar						1cc: Client		1cc: File
Concre	ete Supplier:	Columbia Rea	ady Mix Conc	rete				Report Date:		
_ ₹	Specified Strength for				Slump (in	iches):		Air Content (p	ercent):	
Α̈́		psi:	3000 28			4-6				
DESIGN DATA	Mix Type:	days:								
5	Normal Wt.		Lightweight	☐ Mor	tar Mix	Pump Mix	Grout	Other:		
S	Plasticizer Added:		☐ Yes ✓	No		If "Yes",	At Plant	At Jobsite		
	Date:		Time Concrete	<u> </u>	1.	Time Concret		At Jobsite	Sampled By:	
		100			1.	Time Concre				ACILIA
_	08/18/	25	-	00 AM			10:36 AM			Williams
Ĕ	Concrete Truck No.:		Ticket No.:	4040		Size of Load			Weather Cond	
2	Extra Water Added at	Joh Site	<u> </u>	4248 Yes	√ No If	"Yes" gal.:	10		Extra Water A	uthorized by:
and LAB DATA	ZXUU TYUKSI YILUUGU UK	oob ono.		res [<u>√</u> 140	C.y.			LXII Water	autonizoa by.
	Plasticizer Added at J	ob Site: gal.:			c.y.:					:
an o	Slump (inches):	ASTM C143	Air Temperatur	e (°F):			nperature (°F)	ASTM C172	Wet Weight (p	o.c.f.):
	4			82			90			-
FIELD	Air Content (% by vol.):	ASTM C231	Molded and Cu		_	_			Tested to AST	
<u>u</u>	1995			✓ Yes	☐ No	Unknown			✓ Yes	∐ No
	Location of Concrete	Placement:		Eastsi	de Footer	s & Column P	ads			
										10
s	PECIMEN I.D. LAB NO.	DATE RECEIVED IN LAS	DATE TESTED	AGE (days)	DIA (in.)	PECIMEN SIZE AREA (sq. in.)	TOTAL LOAD (pounds)	TEST STRENGTH (p.s.l.)	TYPE OF FRACTURE	TESTED BY
	Α	08/21/23	09/15/23	28	4.02	12.69	85,520	6740	5	
	В	08/21/23	09/15/23	28	4.02	12.69	81,640	6430	5	
	С	08/21/23	HOLD	Н						
	D									
	É									
	F									
	G									
REMARKS	3 :				\supset	1 m. 125 m.		1 1331		ПП
					\times			J M		MA
esting. The	alls presented in this report are spe test was performed in accordance al conditions can vary between tes	with generally accepted m	ethods and standards.	6001	Type asonably we see on both nan 1 in. [25 racking throu	ell-formed ends, less mm) of	through	Type 2 med cone on one leaf cracks running th caps, no well- core on other end	lorned cones	
	ercised with time, sound judgement of the data. This report shall not		•	100	-c-con Harris soci	=		1 - 1		
						4			THE R. A.	A D
				1500	Type 4 gonal fractur		Side frisc	Type 5	THILE . M	ARCANIA
				Gra	scking through ap with ham tinguish from	gh ends: mer lo	bottom (d	escur questionistis	P. CE	NSE OF
Respectfully Submitted,								Mr Si	1	1
CAL-TECH TESTING, INC.					R	eviewed By:		No. 6	5550	
			¥11				Licensed	Florida No.	65550	
								Date:	9/20/3	E OF in
									BUR	DIOP ST
									MILE CO	JK ME HILL
									11,0510	NAL Elimin
										11111111111



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

		1											
Client:		Stellar, 2900 F					=====						
Project		US Cold Storage - Building Expansion Phase III Lake City, FL											
	Location:												
_	Contractor:	Stellar						1cc: Client		1cc: File			
Concre	te Supplier:	Columbia Rea	ete	lov v	-		Report Date:						
Ę	Specified Strength for	Structure:	3000		Slump (in	iches):		Air Content (p	ercent):				
Ď	Specified Strength for	days:	28			4-6		•	-				
Z	Mix Type:				*	_							
DESIGN	✓ Normal Wt.		ightweight	Mor	tar Mix [Pump Mix	Grout	Other:					
DE	Plasticizer Added:		Yes 🗸	No		If "Yes",	At Plant	At Jobsite					
	Date:		Time Concrete I	Batched	1:	Time Concre	te Sampled:		Sampled By:				
	09/07/	23	9:1	3 AM			10:04 AM		В.	. Morris			
and LAB DATA	Concrete Truck No.: 73		Ticket No.:	405		Size of Load	(c.y.):		Weather Con-	ditions: Clear			
) ()	Extra Water Added at	Job Site:		res [√ No If	"Yes" gal.:	PHARE		Extra Water A	uthorized by:			
Æ						c.y.:	***			-			
<u> </u>	Plasticizer Added at Jo		A :- T	/0 厂	c.y.:		mperature (°F)	ACTM 0470	Wet Weight (a o f):			
	Slump (inches):	ASTM C143	Air Temperature	∌ ('F'): 80		Concrete Fer	nperature (-)	ASTIVICITZ	wet weight (o.c.i.j.			
FIELD	Air Content (% by vol.):	ASTM C231	Molded and Cur		STM C-31	:			Tested to AST	ΓM C-39:			
쁜	# Indicate and a second				☐ No	Unknown	1		✓ Yes				
	Location of Concrete F	Placement:		East E	MP Wall								
s	SPECIMEN I.D, LAB NO. DATE RECEIVED IN LAB DATE TESTED			AGE (days)	DIA (in.)	AREA (sq. in.)	TOTAL LOAD (pounds)	TEST STRENGTH (p.s.l.)	TYPE OF FRACTURE	TESTED BY			
	Α	09/08/23	09/14/23	7	4.02	12.69	69,950	5510	4				
	В	09/08/23	10/05/23	28									
	С	09/08/23	10/05/23	28									
	D	09/08/23	HOLD	Н	ļ								
	E F												
	G							-	<u> </u>	-			
DEM A DICC							· ·						
REMARKS):				X	- 1 in 120 m							
esting The Since materi	Ilts presented in this report are spe test was performed in accordance al conditions can vary between tes ercised with time, sound judgemer	with generally accepted me t locations and change with	thods and standards time, sound judgement	100	Type casonably wi nes on both than 1 in. [25 racking throu	onds, less onds, less	end, ver	Type 2 misid cone on one lical cracks number ph caps, no well- cone on other en-		Type 3 nar vertical crecking i both ends, no well- formed cones			
nterpretation	of the data, This report shall not t	be reproduced without prior						June E. M.					
				- Cr	Type 4 agonal fracture acking through the with ham stronguish from	gh ends.	Side fra bottom (c with up	Train 5 mures/fruro or security symonic portfact (agrs)	WE M	NS 1			
-	ctfully Submitted,							Mille		0.0			
CAL-TE	ECH TESTING, INC.					R	Reviewed By		: No 6	5550			
							Licensed	, Florida No.:		*			
								Date:	SIAT	E OF /~			
								1 1	P FI	OF H			



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

Client:		Stellar, 2900 Hartley Road, Jacksonville, FL 32257 US Cold Storage - Building Expansion Phase III										
	Name:		ge - Building	Expar	sion Pha	ase III						
Project	Location:	Lake City, FL										
Project	Contractor:	Stellar						1cc: Client		1cc: File		
	te Supplier:	Columbia Rea	dy Mix Concr	ete				Report Date:				
DATA	Specified Strength for				Slump (in	ches):		Air Content (p	ercent):			
DA		psi: days:	3000 28			4-6		-				
Z	Mix Type:	uayo.										
SIG	✓ Normal Wt.	□ r	ightweight	Mor	tar Mix	Pump Mix	Grout	Other:				
DESIGN	Plasticizer Added:		Yes 🗸	No		If "Yes",	At Plant	At Jobsite				
_	Date:		Time Concrete	Batched	1:	Time Concre	te Sampled:		Sampled By:			
	09/07/	23	9:3	9 AM			10:45 AM		В.	Morris		
⋖	Concrete Truck No.:		Ticket No.:			Size of Load	(c v):		Weather Cond	itions:		
ΑT	65			406		Oize of Load	10			Clear		
and LAB DATA	Extra Water Added at	Job Site:		es [√ No If	"Yes" gal.:			Extra Water Au	uthorized by:		
Ą						c.y.:				MATE S		
1 0	Plasticizer Added at Jo		A:- T	(05)-	с.у.:	Consulta T		ACTM C470	Wet Weight (p	o.f.\\		
	Slump (inches):	ASTM C143	Air Temperature	e (°⊢):⊩ 80		Concrete Fer	mperature (°F): 91	ASTMICT/2	(p	.C.1.):		
FIELD		ASTM C231	Molded and Cui		STM C-31	:			Tested to AST	M C-39:		
쁜	34140°	s		✓ Yes	☐ No	Unknown	1		✓ Yes	☐ No		
	Location of Concrete F	Placement:			MP Wall							
	253dion of Controller	.a.somont										
s	PECIMEN I.D. LAB NO.	DATE RECEIVED IN LAB	DATE TESTED	AGE		PECIMEN SIZE	TOTAL LOAD	TEST STRENGTH	TYPE OF	TESTED BY		
	Α	09/08/23	09/14/23	(days)	DIA. (in.) 4.02	AREA (sq. in.) 12.69	(pounds) 69,920	(p.s.l.) 5510	FRACTURE 5			
	В	09/08/23	10/05/23	28	7.02	12.03	03,320	3310				
	C	09/08/23	10/05/23	28								
	D	09/08/23	HOLD	H								
	E	00.00,20										
	F											
	G											
REMARKS	S:						···		•			
						\times	1			U(1)		
					\sim			1 /		INN I		
The lest resu	alls presented in this report are spe	cific only to the samples tes	ted at the time of		Туре			Type 2 med cone on one	Column	Type 3 ar vertical cracking		
	test was performed in accordance al conditions can vary between tes				asonably we nes on both o han 1 in. (25 racking throu	mmi of	end, vert	cal cracks running th caps, no well- cups on other end	g through	both ends, no well- umed cones		
should be ex	ercised with time, sound judgemen	nt should be exercised with t	regard to the use and		auxing impl							
inter presention	To the data. This report shall not i	se reproduced without prior	approval of the author						THE REAL PROPERTY.	Winner		
							1		HILL E. IVIX	TCS THE		
				-	Type 4	_		ype 5 Jopen S	P CEN	Spinor		
			Cert	ep with ham theguish from	pherida:	bottom (o with test	sond of the	7 . A. ot e	sylinder is pulled a			
Respectfully Submitted,								MILLA	No. 65	550		
CAL-TECH TESTING, INC.					R	eviewed By:	WHE WE	-	is the transport of the first system of the			
	•							Florida No.:	STANGE.			
								Date:	2/20/23	IDA W.		
								11 3	W. C. C.	ENGlini		
									THE STUN	AL Committee		



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

Client:		Stellar, 2900 ł	Hartley Road,	Jacks	onville, f	-L 32257				
Project	Name:	US Cold Stora								
Project	Location:	Lake City, FL								
1 1	Contractor:	Stellar			1cc: Client					1cc: File
Concre	te Supplier:	Columbia Rea	dy Mix Concr	ete				Report Date:		
ĪĀ	Specified Strength for				Slump (in	ches):	_	Air Content (p	ercent):	
DATA		3000 28			4-6					
Z	Mix Type:	days: Mix Type:						11		
5	Normal Wt. Lightweight Mortar Mix Pump Mix Grout Other:									
DESIGN	Plasticizer Added:		Yes 🗸	No		If "Yes",	At Plant	At Jobsite		
	Date:		Time Concrete		i:	Time Concre			Sampled By:	
	09/07/	23		14 AM			11:15 AM			Morris
4	Concrete Truck No.:		Ticket No.:			Size of Load			Weather Cond	
DATA	64			3836		Size oi Loau	(c.y.) ₋₃			Clear
3 D	Extra Water Added at	Job Site:		res [√ No If	"Yes" gal.:	(Extra Water A	uthorized by:
and LAB						c.y.:	THE			:
9	Plasticizer Added at Jo		A:- T	/0 = \	c.y.:			AOTM 0470	307-1307-1-1-7-	
	Slump (inches): 5.25	ASTM C143	Air Temperature	e (°F): 73		Concrete Lei	mperature (°F): 81	ASTM C172	Wet Weight (p).C.T.):
FIELD	Air Content (% by vol.):		Molded and Cu		STM C-31	:			Tested to AST	M C-39:
표	,,,, ,			✓ Yes	☐ No	Unknowr	1		✓ Yes No	
	Location of Concrete F	Placement:		East E	MP Wall					
SI	PECIMEN I.D. LAB NO.	DATE RECEIVED IN LAB	DATE TESTED	AGE (days)	TEST SE	PECIMEN SIZE AREA (sq. in.)	TOTAL LOAD (pounds)	TEST STRENGTH (p.s.l.)	TYPE OF FRACTURE	TESTED BY
	Α	09/08/23	09/14/23	7	4.02	12.69	47,980	3780	5	
	В	09/08/23	10/05/23	28			,	0.00		
	С	09/08/23	10/05/23	28						
	D	09/08/23	HOLD	Н						
	E									
	F									
	G									
REMARKS	:					- 1 in 125 m	um)	1 100		ППП
					\times	\times				KIN II
				IL						LVDA
	its presented in this report are sper test was performed in accordance			He	Type 1	H-torrowd	Vveil-for	Type 2 med cone on one cal cracks runnin	Column	Type 3 or vertical cracking both ends, no well-
Since materia	il conditions can vary between test ercised with time, sound judgemen	locations and change with	time, sound judgement	er o	es on both on 1 in 125 racking throu	mmi of gh caps	through	h caps, no well- cure on other end	The state of the s	ormed cones
	of the data. This report shall not b									
									.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1111111
									MA MA	AROUN
				Diag	Type 4 gonel fractur icking throug ap with ham	e with no ph ends;	Side frac bottom (or with unit	sour coffingaly	11 7 CEN	ar to Typica pulsona
Posnoc	tfully Submitted		dis	tinguish from	Type 1	950000000	1	The More	10 T	
Respectfully Submitted, CAL-TECH TESTING, INC.					В	Reviewed By:	MIN	No. 6	5550	
<i>- 1</i> - 1 - 1	.077 12011110, 1110.							Florida No:	65558	* *
								Date:	1/200-2001	E OF in
								M T	200	-IDP W
								1	EC- LO	KIN GILLIN
								0	WW.SION	AL Elemin
		2.0							4111111	1111111



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FILE NO.:	
	23-00297-01
CYLINDER SET	NO.:
	12
LAB NO.:	429

Client:	= 80,816.90	Stellar, 2900	Hartley Boad	looks	onville 1	EL 22257					
1	t Name:	US Cold Stora									
1 -			age - bulluling	Expai	ISION FII	ase III					
1 -	Location:	Lake City, FL		_							
1 1	Contractor:	Stellar	1.11:0					1cc: Client		1cc: File	
	ete Supplier: Specified Strength for	Columbia Rea	ady Mix Conc	rete	Slump (in	opos):		Report Date: Air Content (p			
DATA	Opcomed outligat for	psi:	3000		Joidinp (II			All Content (p	ercent).		
		28	-	4-6	25						
N S	Mix Type:					_	_				
ESIGN	✓ Normal Wt.		Lightweight	Mor	tar Mix	Pump Mix	Grout	Other:			
	Plasticizer Added:		Yes 🗸	No		If "Yes",	At Plant	At Jobsite			
	Date:		Time Concrete	Batched	d≅	Time Concre	ete Sampled:		Sampled By:		
	09/11/	23	9:1	14 AM			9:55 AM		11	C. Day	
₹	Concrete Truck No.:		Ticket No.:			Size of Load	(c.y.):		Weather Con	ditions:	
DATA	72	11.00	1,	4426			10			Sunny	
AB	Extra Water Added at	Job Site:		Yes	√ No If	"Yes" gal.:	***		Extra Water A	Authorized by:	
	Plasticizer Added at J	oh Site: dal :			c.y.:	c.y.:				-	
and	Slump (inches):	ASTM C143	Air Temperatur	e (°F):	U.y		mperature (°F)	: ASTM C172	Wet Weight (n.c.f.):	
	3.25			89			90		· · ot · · o.g.· · (###.	
FE	Air Content (% by vol.):	ASTM C231	Molded and Cu	red to A	STM C-31	:			Tested to ASTM C-39:		
正	BH+1	✓ Yes	☐ No	Unknowr	1		✓ Yes				
	Location of Concrete I	Placement:		Footer	at CL-L fi	rom 20.5 to 2	1.9, 2 Column	Pads & 2 Colu	ımns		
								,			
SI	PECIMEN I.D. LAB NO.	DATÉ RECEIVED IN LAB		AGE (days)	DIA. (in.)	AREA (sq. in.)	TOTAL LOAD (pounds)	TEST STRENGTH (p.s.l.)	TYPE OF FRACTURE	TESTED BY	
	Α	09/12/23	09/18/23	7	4.02	12.69	57,990	4570	5		
	В	09/12/23	10/09/23	28							
	С	09/12/23	10/09/23	28							
	D	09/12/23	HOLD	Н							
	E										
	F										
	G										
REMARKS						225.00					
testing. The t Since materia	Its presented in this report are spe test was performed in accordance al conditions can vary between tes ercised with time, sound judgemer	with generally accepted me t locations and change with	ethods and standards time, sound judgement	- 2	Type 1 rasonably we nee on both o han 1 in. [25 racking throu	mim] of	end, vent	Type 2 med cone on one lical cracks running th caps, no well- core on other end		Type 3 nar vertical crecking i both ends, no well- lormed cones	
nterpretation	of the data. This report shall not t	pe reproduced without prior	approval of the author.			7					
									Mannett III	IIIIIIIIII	
					L	3		1	I'ME. MA	ARCA MILL	
				Gra	Type 4 genet fractur scking throug	e with no sh ends:	Side frac	nures of the or	of CEI	Volume Ageing	
Paspastfully Submitted					cracking through ends: bottom (occur of ordinaris) bottom (occur of ordinaris) with unborroid saps)						
Respectfully Submitted,								PLAW	No.6	5550	
CAL-TECH TESTING, INC.						K	Reviewed By:	Florida No:	65550	*	
							Licenseu	Date	9/7/STAP	E OF I OF	
								1 1	1	-10 P W.	
								1 3	10 EC- 10	KIN GILLIN	
								1	SION	AL Elmin	
									:::((1))	Himses	



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GeotechnicalEnvironmental

Laboratories

JOB NO.: 23-00297-01

DATE TESTED: 9/

9/13/2023

DATE REPORTED:

9/19/2023

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

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (Ib/ft ³)	MOISTURE PERCENT	DRY DENSITY (Ib/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 (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/ 9/2

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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 accordance with Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and be reproduced without prior approval of the author.



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• Environmental

Laboratories

JOB NO.: 23-00297-01

DATE TESTED:

9/14/2023

DATE REPORTED:

9/19/2023

REPORT OF IN-PLACE DENSITY TEST

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

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft³)	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/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: 17 91

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JOB NO.: 23-00297-01

DATE TESTED:

9/18/2023

DATE REPORTED:

9/19/2023

REPORT OF IN-PLACE DENSITY TEST

US Cold Storage - Building Expansion Phase III, Lake City, FL PROJECT: Stellar, 2900 Hartley Road, Jacksonville, FL 32257 CLIENT: 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/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
110	20 ft. South of Structure C		12"	118.4	10.1	107.5	1 1	109.1	99%
111	40 ft. South of Structure C	2	12"	113.1	7.6	107.3	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 (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 B

Date: Licensed, Florida No:

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REPORT OF IN-PLACE DENSITY TEST

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JOB NO.: 23-00297-01

DATE TESTED:

9/18/2023

DATE REPORTED:

9/19/2023

PROJECT:	US Cold Storage - Building Expansion Pha	ase III, Lake City, FL				
CLIENT:	Stellar, 2900 Hartley Road, Jacksonville, F	ellar, 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 (Ib/ft³)	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	SOIL DESCRIPTION	MAXIMUM DRY UNIT	OPT.	TYPE						
NO.	SOIL DESCRIPTION	WEIGHT (lb/ft ³)	MOIST,	TIFE						
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, Flo

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JOB NO.: 23-00297-01

DATE TESTED:

9/14/2023

DATE REPORTED:

9/19/2023

PROJECT:	US Cold Storage - Building Expansion Phase	e III, Lake City, FL							
CLIENT:	LIENT: 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 REQU	IREMENTS: 95%							

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
120	Eastside of Structure E	1 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 (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 B

Date: Licensed, Florida No:

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