

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625 Lake City, FL 32056 • (386) 755-3633 • Fax (386)752-5456
2907 Spring Glen Road, Jacksonville, FL 32207 • (904)381-8901 • Fax (904)381-8902

FILE NO.:	
	23-00297-01
CYLINDER S	ET NO.:
	113
LAB NO.:	612

Client:		Stellar, 2900	Hartley Road,	Jacks	sonville,	FL 32257				
Project	Name:	US Cold Stora	age - Building	Expar	nsion Ph	ase III				
Project	Location:	Lake City, FL								
Project	Contractor:	Stellar						1cc: Client		1cc: File
	te Supplier:	Columbia Rea	dy Mix Conc	rete				Report Date		100. 1 110
			idy iviix conor	0.0	Slump (ir	nches):		Air Content (p		
DATA		psi:	4000		' `	4-6		(F		
		days:	28			4-0		8		
5	Mix Type: Normal Wt.									
ESIGN			Lightweight	Mor	tar Mix	Pump Mix	Grout	U Other:		
	Plasticizer Added:		Yes 🗸	No		If "Yes",	At Plant	At Jobsite		
	Date:		Time Concrete	Batched	1:	Time Concre	te Sampled:		Sampled By:	
	12/14/	23	3:2	23 AM			3:58 AM		J	. Green
₹	Concrete Truck No.:		Ticket No.:			Size of Load	(c.v.):		Weather Con	ditions:
DATA	62		14	5728			10		110001	nth:
B	Extra Water Added at	Job Site:		Yes [√ No If	"Yes" gal.:	High		Extra Water A	uthorized by:
LAB					c.y.:	111		1		
and	Plasticizer Added at Jo Slump (inches):	Air Temperature	- (°E).	c.y.:		(95)	ACTN 0470	187 (187 : 1.7		
9 89	5 Juliu (inches).	ASTM C143		∌(┌). 48		Concrete Fer	mperature (°F): 68	A\$1M C172	Wet Weight (o.c.f.):
FIELD	Air Content (% by vol.):	ASTM C231	Molded and Cur		STM C-31	:		Tested to ASTM C-39:		
罡				✓ Yes	✓ Yes No Unknown				✓ Yes No	
ı	Location of Concrete F	Placement:				nent North				
	2004011010101010101	io comona		OUTICIO	te i aven	ient North				
SP	PECIMEN I.D. LAB NO.	DATE RECEIVED IN LAB	DATE TESTED	AGE		PECIMEN SIZE	TOTAL LOAD	TEST STRENGTH	TYPE OF	TESTED BY
	Α	12/15/23	12/21/23	(days)	DIA. (in.)	AREA (sq. in.)	(pounds)	(p.s.l.)	FRACTURE	TESTED BY
	В	12/15/23	01/11/24	28	4.02	12.69 12.69	56,630	4460	4	
	С	12/15/23	01/11/24	28	4.02	12.69	89,020 73,480	7010 5790	4	
	D	12/15/23	HOLD	H	4.02	12.09	73,460	5790	4	
	E	12/13/23	HOLD	- ''						
	F									
	G									
EMARKS:		<u> </u>				T-2 - 288/m - 500 200				
				K		* 7 IN 128 IN	, L			ПП
					\times					KYY I
iiii aast saasida		·			1					LYUI
sting. The te	s presented in this report are spec est was performed in accordance v	with generally accepted met	hods and standards;	con-	Type 1 asonably we as on both o	H-Tormed ands, less	Well-fan	Type 2 Type 3 Columnar vertical crecking through both ends, no wall-		
	conditions can vary between test reised with time, sound judgement			dra	an 1 in. (25 acking throu	mm) of gh caps		gh caps, no well- I cone on other end		
terpretation of	of the data. This report shall not be	e reproduced without prior a	approval of the author.			7				
							il l			
						1				
				CFBH	Type 4 jonal fracturi cking throug	th ends:	Side fract bottom (or	Type 5 rectures at the or (occur contemply authorides could be specified to Display but and showder contemply authorides could)		
				to	ip with hains inguish from	ner to	with unb	(M)	E. W	UKC Juli
-	tfully Submitted,							Mai	CE CE	NSE V
AL-TE	CH TESTING, INC.					Re	eviewed By:	4	×: '	.0 1
							Licensed,	Florida to .:	65556	5550 1:
								Date:	1/15/24	*



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FILE NO.:	
	23-00297-01
CYLINDER SI	ET NO.:
	114
LAB NO.:	613

			172.53							
1	A SECULIAR S									
1 -		10 miles (m)	age - Building	Expa	nsion Ph	ase III				
1										
1 *								1cc: Client		1cc: File
SPECIMEN I.D. LAB NO. DATE RECEIVED IN LAB DATE TESTED AGE (days) DIA (in.) AREA (sq. in.) (pounds)						Report Date	:			
Specified Strength for Structure: psi: 4000								Air Content (p	ercent):	
M		US Cold Storage - Building Expansion Phase III Lake City, FL Stellar Columbia Ready Mix Concrete Report Date: Normal Wt. Ughtweight Mortar Mix Pump Mix Grout Other: Added: Yes No If "Yes", At Plant At Jobste Time Concrete Batched: Time Concrete Sampled: Sampled By: J. Green 12/14/23 4-01 AM 4-29 AM J. Green 12/14/23 Ticket No.: 73 Ticket No.: 145732 Size of Load (c.y.): Weather Conditions: 14 Added at Job Site: Yes No If "Yes" gal.: Extra Water Authorized by: C.y.: was 15 ASTM C143 Air Temperature ("F): ASTM C172 Wet Weight (p.c.f.): Wet Weight (p.c.f.): 16 As by vol.): ASTM C231 Molded and Cured to ASTM C-31: Tested to ASTM C-39: Yes No Unknown 12 I 15/23 12/28/23 14 4.01 12.63 66,420 5260 5 12 I 12/15/23 O1/111/24 28 4.01 12.63 66,420 5260 5 12 I 12/15/23 O1/111/24 28 4.01 12.63 66,420 5260 5 12 I 12/15/23 O1/111/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/111/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/111/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/111/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/111/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/111/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/11/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/11/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/11/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/11/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/11/24 28 4.01 12.63 85,530 6770 4 12 I 12/15/23 O1/11/24 O1/12 O1/								
Mix Type: Normal Wt. Plasticizer Added: Date: 12/14/23 Concrete Truck No.: 73 Extra Water Added at Job Site: Slump (inches): ASTM 5.5 Air Content (% by vol.): ASTM				-						
Sic	✓ Normal Wt.		Lightweight	C: Client 1cc Client 1cc Yes Mix Concrete Slump (inches): Air Content (percent): Air Plant At Jobsite Air Plant At Jobsite Air Plant Air Jobsite Air						
DE			Yes 🗸] No			_	At Jobsite		
	Date:		Time Concrete	Batched	d:	Time Concre	ete Sampled:		Sampled By:	
	12/14/	23	4:0	01 AM			4:29 AM		Sampled By: J. Weather Cond Extra Water At Wet Weight (p Tested to ASTI Yes TYPE OF FRACTURE 5 4 4 CEA	Green
ΤA	Concrete Truck No.:		Ticket No.:			Size of Load	(c.y.):		Weather Cond	litions:
DA		I-b Oil-								FF.
9	Extra Water Added at	Job Site:		Yes _	✓ No If				Extra Water A	uthorized by:
2	Plasticizer Added at Jo	ob Site: gal			CV.				Sampled By: J. Weather Cond Extra Water At Wet Weight (p Tested to AST Yes Type of FRACTURE 5 4 4 4 Columns of the Cond Columns of the Columns of	
Project Location: Lake City, FL		.c.f)·								
	5.5								Content (percent): Conten	
ᆸ	Air Content (% by vol.):	ASTM C231	Molded and Cu	red to A	STM C-31	:			Tested to AST	M C-39:
ᄪᆝ	5.5 Air Content (% by vol.): ASTM C231 Molded an Location of Concrete Placement: SPECIMEN I.D. LAB NO. DATE RECEIVED IN LAB DATE TEST			✓ Yes 🗌 No 📗 Unkr			1		✓ Yes	
	Location of Concrete F	Placement:		Concre	ete Paverr	ent North				
SF	PECIMEN I.D. LAB NO.	DATE RECEIVED IN LAB								TESTED BY
				14	4.01	12.63	66,420	5260	5	
								5870	4	
					4.01	12.63	85,530	6770	4	
		12/15/23	HOLD	Н						
							li .			
	C 12/15/23 01/11/24 28 4.01 12.63 85,530 67 D 12/15/23 HOLD H E F									
THAT YOU				_						
REMARKS:	;					7 Jr. (25 m	m)	1 (7)		пп
					$\times $					KYN I
he test result	s presented in this report are spec	cific only to the samples test	ed at the time of				I			
sting. The le	est was performed in accordance v	with generally accepted met	hods and standards	con	asonebly we see on both s	fi-formed Inds. less	end, verti	med cone on one cal cracks running	through i	ooth ends, no well-
hould be exer	rcised with time, sound judgement	should be exercised with re	egard to the use and	Car.	acking throu	gh caps	defined o	cone on other end		
to pretation (or the data. This report shall hot be	e reproduced without phor a	approval of the author							
					Type 4	1.	1	5 1		III Type 6
				cra-	on with ham	n ends; ner to	Side frect bottom (oc	cur correspond	WILL ME	dinger a pointed
Respect	tfully Submitted,			dist	orguish from	Type 1	1:	18 3	200	TA ANI
-	CH TESTING, INC.					D	eviewed Rv	1 1 300	MI CEN	VSE VI
	,					N		Florida No	655505	550 : 1
								-11/-	1/15/24	1, 1
								11 =		. *



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FILE NO.:	
	23-00297-01
CYLINDER S	ET NO.:
	115
LAB NO.:	614

Client:		Stellar, 2900 Hartley Road, Jacksonville, FL 32257									
-	t Name:	US Cold Storage - Building Expansion Phase III									
-	t Location:	Lake City, FL									
Project Contractor: Stellar 1cc: Cli										1cc: File	
Concre	ete Supplier:	Supplier: Columbia Ready Mix Concrete Report D									
F	Specified Strength for	4000		Słump (ir	iches):		Air Content (p	ercent):			
DA		days:	28			4-6	30				
Z	Mix Type:				L.						
S	✓ Normal Wt.		Lightweight	Mor	tar Mix [Pump Mix	Grout	Other:			
DE	Specified Strength for Mix Type: V Normal Wt. Plasticizer Added:		Yes	No		If "Yes",	At Plant	At Jobsite			
	Date:		Time Concrete	Batched	1:	Time Concre	te Sampled:		Sampled By:		
	12/14/	23	4:4	I1 AM			5:54 AM			. Green	
⋖	Concrete Truck No.:		Ticket No.:			Size of Load			Weather Cond		
DATA	68			5737		Size of Load	10		Weather Con	aitions.	
30	Extra Water Added at	Job Site:		Yes [√ No If	"Yes" gal.:	### ()		Extra Water A	uthorized by:	
and LAB						c.y.:	Here)]		
5	Plasticizer Added at J			45=1	c.y.:						
	Slump (inches):	ASTM C143	Air Temperature			Concrete Ten	nperature (°F):	ASTM C172	Wet Weight (p	o.c.f.):	
FIELD	Air Content (% by vol.):	ASTM C231		48 64 Molded and Cured to ASTM C-31:					Tested to AST		
쁜		7.67101 6261	Nioidea and oa	✓ Yes		. Unknown			✓ Yes	□ No	
		21							Tes No		
	Location of Concrete F	Placement:		Concre	ete Pavem	ent North					
S	PECIMEN I.D. LAB NO.	DATE RECEIVED IN LAB	DATE TESTED	AGE (days)	TEST SI	PECIMEN SIZE AREA (sq. in.)	TOTAL LOAD (pounds)	TEST STRENGTH (p.s.l.)	TYPE OF FRACTURE	TESTED BY	
	Α	12/15/23	12/21/23	7	4.02	12.69	50,380	3970	4		
	В	12/15/23	01/11/24	28	4.02	12.69	77,440	6100	4		
	С	12/15/23	01/11/24	28	4.02	12.69	81,510	6420	4		
	D	12/15/23	HOLD	Н							
	Ε										
	F										
	G										
The test results presented in this report are specific only to the samples tested at the time of esting. The test was performed in accordance with generally accepted methods and standards ince material conditions can vary between test locations and change with time, sound judgement				Type assonably we les on both a land in. [25]		Well-for end, vert	Type 2 on one cell cracks running h cape, no well-	g through fe	Type 3 creating ser vertical creating servertical creating cones		
hould be exercised with time, sound judgement should be exercised with regard to the use and nterpretation of the data. This report shall not be reproduced without prior approval of the author.				Type 4 Disponel fracture with no. Side fire			Side frac	yryd 5	inininini Ta	MAR	
Respec	tfully Submitted,			dist	cking through ap with hemi- linguish from	merta Type 1	with Link		ALL ALL	CENSE	
	CH TESTING, INC.					Re	eviewed By:	(1/1/W	No.	0. 65550	
	,							Florida No.:	65550	- Table 1	
								Date:	1/18/24	1	
								11	TO ST	AIE OF .	
									THON FI	ORIDA :	
								1	111,55511	MAI ENG!	
										CONTRACT Section 18	



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FILE NO.:	
	23-00297-01
CYLINDER S	ET NO.:
	116
LAB NO.:	615

Client:										
Project	t Name:	US Cold Stora								
Project	t Location:	Lake City, FL								
Project	t Contractor:	Stellar						1cc: Client		1cc: File
Concre	ete Supplier:	Columbia Rea	dy Mix Conc	rete				Report Date	:	
Z	Specified Strength for	Structure:			Slump (ir	nches):		Air Content (p		
Ϋ́	A psi: 3000					6-8			COS.	
Z	Mix Type:	days:	28							
<u>5</u>	✓ Normal Wt.		Lightweight	☐ Mor	tar Miy	Pump Mix	Grout	Other:		
DESIGN DATA	Plasticizer Added:			No	COL TIE	If "Yes",				
	Date:		Time Concrete		160		At Plant	At Jobsite	InII	
	12/15/	100			ligi	Time Concre	· ·		Sampled By:	
-		23		33 AM			4:18 AM		J	. Green
and LAB DATA	Concrete Truck No.:		Ticket No.:	5760		Size of Load	(c.y.): 10		Weather Con	ditions: Dark
	Extra Water Added at	Job Site:			√ No If	"Yes" gal.:			Extra Water A	Authorized by:
Ā						c.y.:]	-
d L	Plasticizer Added at Jo				c.y.:					. 553)
an	Slump (inches):	ASTM C143	Air Temperature			Concrete Ten	nperature (°F):	: ASTM C172	Wet Weight (p.c.f.):
FIELD	7.5 Air Content (% by vol.):	ΔSTM C221	Molded and Cu	56	CTM C 24	<u> </u>	67		Tested to AST	F14 C 00
Ξ	All Content (78 by vol.).	A31101 C231	Worden and Cu	Yes					1	_
						Unknown			✓ Yes	∐ No
	Location of Concrete F	Placement:		Elevate	ed Deck fo	or Breakroom				
		T		AGE	TEST S	PECIMEN SIZE	TOTAL LOAD	TEST STRENGTH	TYPE OF	Ŷ
S	PECIMEN I,D, LAB NO,	DATE RECEIVED IN LAB	DATE TESTED	(days)	DIA (in.)	AREA (sq. iπ.)	(pounds)	TEST STRENGTH (p.s.l.)	TYPE OF FRACTURE	TESTED BY
	A	12/18/23	12/22/23	7	4.02	12.69	43,520	3430	4	
	В	12/18/23	01/12/24	28	4.02	12.69	58,180	4580	4	
	С	12/18/23	01/12/24	28	4.02	12.69	53,050	4180	4	
	D	12/18/23	HOLD	Н						
	E									
	F									
	G									
EMARKS	•				\neg	→ < 1 in. [25 mm	m)	1 [77]		
					\times	X		1 1311		KIN I
								4		(1)
	Its presented in this report are spec test was performed in accordance			Rec	Type 1 sonebly we es on both e	H-formed	Well-for	Type 2 med cone on one	Column	Type 3 ner vertical cracking
nce materia	al conditions can vary between test proised with time, sound judgemen	locations and change with	ime, sound judgement	th	es on both e sen 1 In. (25 acking throu	mm) of	throug	cal cracks running h caps; no well- cons on other end	- 11	both ends, no well- ormed cones
	of the data. This report shall not b					7				
						4		LAD	line.	,,Jun.
				Diag	Type 4	e with no	Side frac	ype 5	HILLIAN Emilia	Mary Solagena
				te	cking throug ip with hame inguish from	n ends: mer to	bottom (or with unit	onde (arys.)	MALL	EAL CALL
espec	tfully Submitted,							WILLIA	ika UC	ENSE
AL-TE	CH TESTING, INC.					Re	eviewed By:	A July	· No	SEREN :
							Licensed,	Florida No.:	65550	00000
								Date:	715/24	×
								//	b STA	EOF ∴
								1 =	12 · C	- N . W. 3