



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000024
08/12/2022, 7-day
Report Date: 08/22/2022
Sample: 104068

Colorado Springs

5170 Mark Dabling Blvd
Colorado Springs, CO 80918
Phone: 719-528-8300

Client:

Sub4 Development Corporation
2301 West Bradley Avenue Suite 2
Champaign, IL 61821

Project:

CS19163.001F-365
Solace Colorado Springs
Powers Boulevard and Galley Road
Colorado Springs, CO

Sample Details

Set #:	14	Technician:	Souza, Alexander	Batched:	05:01 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	05:25 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	05:32 MDT
Truck / Ticket #:	1913 / 14007131	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Trickle Channel
Location Details:	Irrigation channel pour #3
Sample Location / Notes:	Ne corner of irrigation channel pour #3

Batch Log

Supplier:	SRM Concrete	Mix Design:	ZCD4195	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Clear sky	Slump (in):	4	Plastic Unit Weight:	140.6 (lb/ft³)
Air Temperature (F):	62	Concrete Temp (F):	82	Air Content:	5.5
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	60/80
Initial Cure Method:	Box
Final Cure Method:	Tank

Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
14-1	7	08/19/22	1 / 6	4.00	12.57	50,482	4,020	5		N
14-2	28	09/09/22	1 / 27							
14-3	28	09/09/22	1 / 27							
14-4	28	09/09/22	1 / 27							
14-5	56 H	10/07/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4020

Capping Methods

Tested By: Mark Coppeak (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 08/13/2022 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000025
08/12/2022, 7-day
Report Date: 08/22/2022
Sample: 104078

Colorado Springs

5170 Mark Dabling Blvd
Colorado Springs, CO 80918
Phone: 719-528-8300

Client:

Sub4 Development Corporation
2301 West Bradley Avenue Suite 2
Champaign, IL 61821

Project:

CS19163.001F-365
Solace Colorado Springs
Powers Boulevard and Galley Road
Colorado Springs, CO

Sample Details

Set #:	18	Technician:	Souza, Alexander	Batched:	06:14 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	06:35 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	06:44 MDT
Truck / Ticket #:	1901 / 14007138	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Trickle Channel
Location Details:	Irrigation channel pour #3
Sample Location / Notes:	7 yards south of northeast top corner of pour # 3

Batch Log

Supplier:	SRM Concrete	Mix Design:	ZCD4195	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Clear sky	Slump (in):	3-3/4	Plastic Unit Weight:	140.2 (lb/ft³)
Air Temperature (F):	70	Concrete Temp (F):	80	Air Content:	4.5
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	68/75
Initial Cure Method:	Box
Final Cure Method:	Tank

Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
18-1	7	08/19/22	1 / 6	4.00	12.57	50,828	4,040	5		N
18-2	28	09/09/22	1 / 27							
18-3	28	09/09/22	1 / 27							
18-4	28	09/09/22	1 / 27							
18-5	56 H	10/07/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4040

Capping Methods

Tested By: Mark Coppeak (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 08/13/2022 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000026
08/12/2022, 7-day
Report Date: 08/22/2022
Sample: 104079

Colorado Springs

5170 Mark Dabling Blvd
Colorado Springs, CO 80918
Phone: 719-528-8300

Client:

Sub4 Development Corporation
2301 West Bradley Avenue Suite 2
Champaign, IL 61821

Project:

CS19163.001F-365
Solace Colorado Springs
Powers Boulevard and Galley Road
Colorado Springs, CO

Sample Details

Set #:	19	Technician:	Souza, Alexander	Batched:	07:13 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	08:00 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	08:11 MDT
Truck / Ticket #:	1635 / 14007148	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Trickle Channel
Location Details:	Irrigation channel pour #3
Sample Location / Notes:	15 yards south of nw edge of the top of irrigation channel

Batch Log

Supplier:	SRM Concrete	Mix Design:	ZCD4195	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Clear sky	Slump (in):	4	Plastic Unit Weight:	139.4 (lb/ft³)
Air Temperature (F):	81	Concrete Temp (F):	81	Air Content:	5.0
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	68/75
Initial Cure Method:	Box
Final Cure Method:	Tank

Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
19-1	7	08/19/22	1 / 6	4.00	12.57	47,697	3,800	5		N
19-2	28	09/09/22	1 / 27							
19-3	28	09/09/22	1 / 27							
19-4	28	09/09/22	1 / 27							
19-5	56	10/07/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3800

Capping Methods

Tested By: Mark Coppeak (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 08/13/2022 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000027
08/12/2022, 7-day
Report Date: 08/22/2022
Sample: 104080

Colorado Springs

5170 Mark Dabling Blvd
Colorado Springs, CO 80918
Phone: 719-528-8300

Client:

Sub4 Development Corporation
2301 West Bradley Avenue Suite 2
Champaign, IL 61821

Project:

CS19163.001F-365
Solace Colorado Springs
Powers Boulevard and Galley Road
Colorado Springs, CO

Sample Details

Set #:	20	Technician:	Souza, Alexander	Batched:	08:54 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	09:33 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	09:44 MDT
Truck / Ticket #:	1633 / 14007160	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Trickle Channel
Location Details:	Irrigation channel pour #3
Sample Location / Notes:	25 yards south of northeast edge of irrigation channel

Batch Log

Supplier:	SRM Concrete	Mix Design:	ZCD4195	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Clear sky	Slump (in):	4	Plastic Unit Weight:	140.5 (lb/ft³)
Air Temperature (F):	85	Concrete Temp (F):	80	Air Content:	6.0
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	68/75
Initial Cure Method:	Box
Final Cure Method:	Tank

Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
20-1	7	08/19/22	1 / 6	4.00	12.57	38,762	3,080	5	C1	N
20-2	28	09/09/22	1 / 27							
20-3	28	09/09/22	1 / 27							
20-4	28	09/09/22	1 / 27							
20-5	56	10/07/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3080

Capping Methods

C1: Strength is less than 70 percent of f _c .	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1)	
Checked In : 08/13/2022 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000028
08/12/2022, 7-day
Report Date: 08/22/2022
Sample: 104100

Colorado Springs

5170 Mark Dabbling Blvd
Colorado Springs, CO 80918
Phone: 719-528-8300

Client:

Sub4 Development Corporation
2301 West Bradley Avenue Suite 2
Champaign, IL 61821

Project:

CS19163.001F-365
Solace Colorado Springs
Powers Boulevard and Galley Road
Colorado Springs, CO

Sample Details

Set #:	16	Technician:	Souza, Alexander	Batched:	11:34 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	12:10 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	12:21 MDT
Truck / Ticket #:	764 / 14007181	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Footings
Location Details:	Clubhouse footings
Sample Location / Notes:	Southwest corner of clubhouse footings

Batch Log

Supplier:	SRM Concrete	Mix Design:	N4405SP	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Scattered clouds	Slump (in):	6-3/4	Plastic Unit Weight:	146.5 (lb/ft³)
Air Temperature (F):	88	Concrete Temp (F):	78	Air Content:	2.8
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	60/80
Initial Cure Method:	Box
Final Cure Method:	Tank

Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabbling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
16-1	7	08/19/22	1 / 6	4.00	12.57	77,509	6,170	5		N
16-2	28	09/09/22	1 / 27							
16-3	28	09/09/22	1 / 27							
16-4	28	09/09/22	1 / 27							
16-5	56 H	10/07/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 6170

Capping Methods

Tested By: Mark Coppeak (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 08/13/2022 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000029
08/12/2022, 7-day
Report Date: 08/22/2022
Sample: 104101

Colorado Springs

5170 Mark Dabling Blvd
Colorado Springs, CO 80918
Phone: 719-528-8300

Client:

Sub4 Development Corporation
2301 West Bradley Avenue Suite 2
Champaign, IL 61821

Project:

CS19163.001F-365
Solace Colorado Springs
Powers Boulevard and Galley Road
Colorado Springs, CO

Sample Details

Set #:	25	Technician:	Souza, Alexander	Batched:	
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	13:16 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	13:26 MDT
Truck / Ticket #:		Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Footings
Location Details:	Clubhouse footings
Sample Location / Notes:	Southeast Footings

Batch Log

Supplier:	SRM Concrete	Mix Design:	N4405SP	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Scattered clouds	Slump (in):	4	Plastic Unit Weight:	
Air Temperature (F):		Concrete Temp (F):	80	Air Content:	2.5
				Load Volume:	

Standard Cure

Min / Max Temp (F):	68/75
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Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918										
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
25-1	7	08/19/22	1 / 6	4.00	12.57	63,652	5,060	5		N
25-2	28	09/09/22	1 / 27							
25-3	28	09/09/22	1 / 27							
25-4	28	09/09/22	1 / 27							
25-5	56 H	10/07/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 5060

Capping Methods

Tested By: Mark Coppeak (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 08/13/2022 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000030
08/12/2022, 7-day
Report Date: 08/22/2022
Sample: 104102

Colorado Springs

5170 Mark Dabbling Blvd
Colorado Springs, CO 80918
Phone: 719-528-8300

Client:

Sub4 Development Corporation
2301 West Bradley Avenue Suite 2
Champaign, IL 61821

Project:

CS19163.001F-365
Solace Colorado Springs
Powers Boulevard and Galley Road
Colorado Springs, CO

Sample Details

Set #:	21	Technician:	Souza, Alexander	Batched:	14:03 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Souza, Alexander	Sampled:	14:41 MDT
Specimens In Set:	5	Date Cast:	08/12/22	Cast:	14:50 MDT
Truck / Ticket #:	2005 / 14007202	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractors llc	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Footings
Location Details:	Clubhouse footings
Sample Location / Notes:	Northeast top corner

Batch Log

Supplier:	SRM Concrete	Mix Design:	N4405SP	Strength:	4500 (psi)
Plant:	21014				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Scattered clouds	Slump (in):	6-3/4	Plastic Unit Weight:	145.2 (lb/ft³)
Air Temperature (F):	92	Concrete Temp (F):	82	Air Content:	2.5
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	68/75
Initial Cure Method:	Box
Final Cure Method:	Tank

Field Cure

Lab Test Results

Testing Lab: Colorado Springs, 5170 Mark Dabbling Blvd., Colorado Springs, CO, 80918

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
21-1	7	08/19/22	1 / 6	4.00	12.57	65,062	5,180	5		N
21-2	28	09/09/22	1 / 27							
21-3	28	09/09/22	1 / 27							
21-4	28	09/09/22	1 / 27							
21-5	56 H	10/07/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 5180

Capping Methods

Tested By: Mark Coppeak (1)	N: Unbonded Caps (ASTM C1231)
Checked In : 08/13/2022 (1,2,3,4,5)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6