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Founded in 1971

Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000018
08/09/2022, 7-day
Report Date: 08/17/2022
Sample: 103888

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 #:	13	**Technician:**	Souza, Alexander	**Batched:**	05:26 MDT
Specimen Size:	CS 4" X 8"	**Cast By:**	Souza, Alexander	**Sampled:**	06:17 MDT
Specimens In Set:	5	**Date Cast:**	08/09/22	**Cast:**	06:25 MDT
Truck / Ticket #:	1640 / 14006930	**Sampled From:**	Chute	**Truck Empty:**	
Contractor:	Araco concrete contractors llc	**Placement Method:**	Pump	**Placement Time:**	

Location

Placement Location: Trickle Channel
Location Details: Irrigation Channel
Sample Location / Notes: 7 yards south of north corner of pour #2

Batch Log

Supplier:	SRM Concrete	**Mix Design:**	ZCD4195
Plant:	21014		
On-Site Admixtures:	None		

Specifications

Strength: 4500 (psi)

Field Measurements

Weather:	Clear sky	**Slump (in):**	4	**Plastic Unit Weight:**	141.2 (lb/ft³)
Air Temperature (F):	62	**Concrete Temp (F):**	80	**Air Content:**	5.5
				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

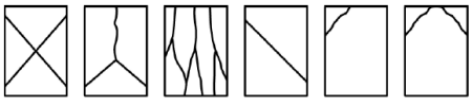
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
13-1	7	08/16/22	1 / 6	4.00	12.57	55,059	4,380	2		N
13-2	28	09/06/22	1 / 27							
13-3	28	09/06/22	1 / 27							
13-4	28	09/06/22	1 / 27							
13-5	56 H	10/04/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - **4380**

Tested By: Mark Coppeak (1)
Checked In : 08/10/2022 (1,2,3,4,5)

Capping Methods

N: Unbonded Caps (ASTM C1231)



Cylinders received in good condition unless noted otherwise. Physical properties of concrete (ASTM C143, C231, C138, C1064).

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Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000019
08/09/2022, 7-day
Report Date: 08/17/2022
Sample: 103898

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 #:	12	**Technician:**	Souza, Alexander	**Batched:**	06:27 MDT
Specimen Size:	CS 4" X 8"	**Cast By:**	Souza, Alexander	**Sampled:**	07:19 MDT
Specimens In Set:	5	**Date Cast:**	08/09/22	**Cast:**	07:24 MDT
Truck / Ticket #:	764 / 14006936	**Sampled From:**	Chute	**Truck Empty:**	
Contractor:	Araco concrete contractors llc	**Placement Method:**	Pump	**Placement Time:**	

Location

Placement Location: Trickle Channel
Location Details: East irrigation channel pour #2
Sample Location / Notes: 8 yards south on the top east side of irrigation channel pour #2

Batch Log

Supplier:	SRM Concrete	**Mix Design:**	ZCD4195
Plant:	21014		
On-Site Admixtures:	None		

Specifications

Strength: 4500 (psi)

Field Measurements

Weather:	Clear sky	**Slump (in):**	4-1/2	**Plastic Unit Weight:**	141.2 (lb/ft³)
Air Temperature (F):	71	**Concrete Temp (F):**	78	**Air Content:**	5.5
				Load Volume:	10.00 (yd³)

Standard Cure | **Field Cure**

Lab Test Results

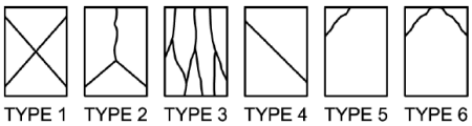
Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

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
12-1	7	08/16/22	1 / 6	4.00	12.57	51,972	4,140	5		N
12-2	28	09/06/22	1 / 27							
12-3	28	09/06/22	1 / 27							
12-4	28	09/06/22	1 / 27							
12-5	56 H	10/04/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - **4140**

Tested By: Mark Coppeak (1)
Checked In : 08/10/2022 (1,2,3,4,5)

Capping Methods
N: Unbonded Caps (ASTM C1231)



Cylinders received in good condition unless noted otherwise. Physical properties of concrete (ASTM C143, C231, C138, C1064).

Compressive Strength of Concrete

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Test Method: ASTM C 39

Report #: CC-000020
08/09/2022, 7-day
Report Date: 08/17/2022
Sample: 103899

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 #:	15	**Technician:**	Souza, Alexander	**Batched:**	06:25 MDT
Specimen Size:	CS 4" X 8"	**Cast By:**	Souza, Alexander	**Sampled:**	06:30 MDT
Specimens In Set:	5	**Date Cast:**	08/09/22	**Cast:**	06:45 MDT
Truck / Ticket #:	1640 / 14006952	**Sampled From:**	Chute	**Truck Empty:**	
Contractor:	Araco concrete contractors llc	**Placement Method:**	Pump	**Placement Time:**	

Location

Placement Location: Trickle Channel
Location Details: East irrigation channel pour #2
Sample Location / Notes: 16 yards south of northeast corner top of channel

Batch Log

Supplier:	SRM Concrete	**Mix Design:**	ZCD4195
Plant:	21014		
On-Site Admixtures:	None		

Specifications

Strength: 4500 (psi)

Field Measurements

Weather:	Clear sky	**Slump (in):**	5	**Plastic Unit Weight:**	140.8 (lb/ft³)
Air Temperature (F):	72	**Concrete Temp (F):**	80	**Air Content:**	5.8
				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

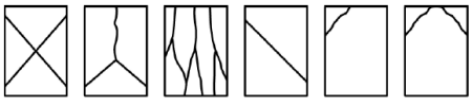
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
15-1	7	08/16/22	1 / 6	4.00	12.57	54,546	4,340	2		N
15-2	28	09/06/22	1 / 27							
15-3	28	09/06/22	1 / 27							
15-4	28	09/06/22	1 / 27							
15-5	56 H	10/04/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - **4340**

Tested By: Mark Coppeak (1)
Checked In : 08/10/2022 (1,2,3,4,5)

Capping Methods

N: Unbonded Caps (ASTM C1231)



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Compressive Strength of Concrete

Test Method: ASTM C 39

Report #: CC-000021
08/09/2022, 7-day
Report Date: 08/17/2022
Sample: 103900

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 #:	17	**Technician:**	Souza, Alexander	**Batched:**	08:25 MDT
Specimen Size:	CS 4" X 8"	**Cast By:**	Souza, Alexander	**Sampled:**	09:10 MDT
Specimens In Set:	5	**Date Cast:**	08/09/22	**Cast:**	09:20 MDT
Truck / Ticket #:	1640 / 14006952	**Sampled From:**	Chute	**Truck Empty:**	
Contractor:	Araco concrete contractors llc	**Placement Method:**	Pump	**Placement Time:**	

Location

Placement Location: Trickle Channel
Location Details: East irrigation channel pour #2
Sample Location / Notes: 25 yards south of the top northwest edge

Batch Log

Supplier:	SRM Concrete	**Mix Design:**	ZCD4195
Plant:	21014		
On-Site Admixtures:	None		

Specifications

Strength: 4500 (psi)

Field Measurements

Weather:	Clear sky	**Slump (in):**	4	**Plastic Unit Weight:**	140.5 (lb/ft³)
Air Temperature (F):		**Concrete Temp (F):**	80	**Air Content:**	5.8
				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

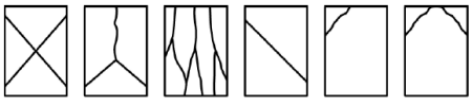
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
17-1	7	08/16/22	1 / 6	4.00	12.57	49,873	3,970	5		N
17-2	28	09/06/22	1 / 27							
17-3	28	09/06/22	1 / 27							
17-4	28	09/06/22	1 / 27							
17-5	56 H	10/04/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - **3970**

Tested By: Mark Coppeak (1)
Checked In : 08/10/2022 (1,2,3,4,5)

Capping Methods

N: Unbonded Caps (ASTM C1231)



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