



CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000103
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104330

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 #:	28	Technician:	Malfitano, Brigitte	Batched:	05:28 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Malfitano, Brigitte	Sampled:	06:10 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	06:18 MDT
Truck / Ticket #:	1746 / 14007457	Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractor	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Channel Liner
Location Details:	Irrigation channel, south part of channel after ledge of channel.
Sample Location / Notes:	1 yard west of the top northeast corner of irrigation channel, south part of channel after ledge of channel

Batch Log

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

Specifications

Field Measurements

Weather:	Clear	Slump (in):	6	Plastic Unit Weight:	138.4 (lb/ft³)
Air Temperature (F):	61	Concrete Temp (F):	76	Air Content:	6.0
				Load Volume:	10.00 (yd³)

Standard Cure

Min / Max Temp (F):	68/78
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
28-1	7	08/26/22	2 / 5	4.00	12.57	47,265	3,760	3		N
28-2	28	09/16/22	2 / 26	4.00	12.57	50,586	4,020	2	C2	N
28-3	28	09/16/22	2 / 26	4.00	12.57	50,057	3,980	5	C2	N
28-4	28	09/16/22	2 / 26	4.00	12.57	51,081	4,060	2	C2	N
28-5	56	10/14/22	2 / 54							

Test Age Average Strengths (psi): 7 Day - 3760, 28 Day - 4020

Capping Methods

C2: Strength is less than f'c. One cylinder will be held to break at 56 days.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1)	
Checked In : 08/21/2022 (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-000104
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104331

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 #:	32	Technician:	Malfitano, Brigitte	Batched:	06:49 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Malfitano, Brigitte	Sampled:	07:20 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	07:35 MDT
Truck / Ticket #:	1739 / 14007463	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco concrete contractor	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Channel Liner
Location Details:	Irrigation channel, south part of channel after ledge of channel
Sample Location / Notes:	10 yards south irrigation channel, south part of channel after ledge of channel.

Batch Log

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

Specifications

Field Measurements

Weather:	Clear	Slump (in):	3	Plastic Unit Weight:	141.1 (lb/ft³)
Air Temperature (F):	60	Concrete Temp (F):	78	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
32-1	7	08/26/22	1 / 6	4.00	12.57	62,105	4,940	3		N
32-2	28	09/16/22	1 / 27	4.00	12.57	70,105	5,580	3	C4	N
32-3	28	09/16/22	1 / 27	4.00	12.57	64,778	5,150	3	C4	N
32-4	28	09/16/22	1 / 27	4.00	12.57	66,308	5,280	2	C4	N

Test Age Average Strengths (psi): 7 Day - 4940, 28 Day - 5340

Capping Methods

C4: Strength is greater than or equal to f'c. Tested By: Mark Coppeak (1) Checked In : 08/20/2022 (1,2,3,4)	N: Unbonded Caps (ASTM C1231)
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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-000105
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104332

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 #:	33	Technician:	Malfitano, Brigitte	Batched:	
Specimen Size:	CS 4" X 8"	Cast By:	Malfitano, Brigitte	Sampled:	08:10 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	08:25 MDT
Truck / Ticket #:		Sampled From:	Pump	Truck Empty:	
Contractor:	Araco concrete contractor	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Channel Liner
Location Details:	Irrigation channel, south part of channel after ledge of channel.
Sample Location / Notes:	Irrigation channel, south part of channel after ledge of channel 15 yards south

Batch Log

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

Specifications

Field Measurements

Weather:	Clear	Slump (in):	4-1/2	Plastic Unit Weight:	138.4 (lb/ft³)
Air Temperature (F):		Concrete Temp (F):	78	Air Content:	7.0
				Load Volume:	

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
33-1	7	08/26/22	1 / 6	4.00	12.57	46,792	3,720	2		N
33-2	28	09/16/22	1 / 27	4.00	12.57	53,326	4,240	5	C2	N
33-3	28	09/16/22	1 / 27	4.00	12.57	55,377	4,410	2	C2	N
33-4	28	09/16/22	1 / 27	4.00	12.57	54,803	4,360	5	C2	N
33-5	56	10/14/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3720, 28 Day - 4340

Capping Methods

C2: Strength is less than f'c. One cylinder will be held to break at 56 days.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1)	
Checked In : 08/20/2022 (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-000106
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104347

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 #:	34	Technician:	Malfitano, Brigitte	Batched:	
Specimen Size:	CS 4" X 8"	Cast By:	Malfitano, Brigitte	Sampled:	09:00 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	09:15 MDT
Truck / Ticket #:		Sampled From:	Pump	Truck Empty:	
Contractor:	Araco concrete contractor	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Channel Liner
Location Details:	Irrigation channel, south part of channel after ledge of channel.
Sample Location / Notes:	24 yards south of the ne ledge

Batch Log

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

Specifications

Field Measurements

Weather:	Clear	Slump (in):	4	Plastic Unit Weight:	138.8 (lb/ft³)
Air Temperature (F):		Concrete Temp (F):	77	Air Content:	6.9
				Load Volume:	

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
34-1	7	08/26/22	1 / 6	4.00	12.57	47,558	3,780	5		N
34-2	28	09/16/22	1 / 27	4.00	12.57	59,599	4,740	5	C4	N
34-3	28	09/16/22	1 / 27	4.00	12.57	58,150	4,630	3	C4	N
34-4	28	09/16/22	1 / 27	4.00	12.57	60,141	4,780	2	C4	N
34-5	56	10/14/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3780, 28 Day - 4720

Capping Methods

C4: Strength is greater than or equal to f'c.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1)	
Checked In : 08/20/2022 (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-000107
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104351

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 #:	35	Technician:	Malfitano, Brigitte	Batched:	
Specimen Size:	CS 4" X 8"	Cast By:	Malfitano, Brigitte	Sampled:	10:00 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	10:15 MDT
Truck / Ticket #:		Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractor	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Channel Liner
Location Details:	Irrigation channel, south part of channel after ledge of channel.
Sample Location / Notes:	35 yards south of the irrigation channel ledge

Batch Log

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

Specifications

Field Measurements

Weather:	Clear	Slump (in):	4-3/4	Plastic Unit Weight:	138.2 (lb/ft³)
Air Temperature (F):		Concrete Temp (F):	80	Air Content:	6.8
				Load Volume:	

Standard Cure

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

Field Cure

Lab Test Results

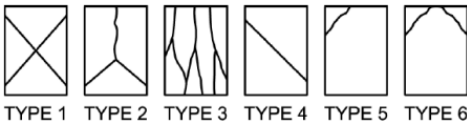
Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

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
35-1	7	08/26/22	1 / 6	4.00	12.57	44,251	3,520	5		N
35-2	28	09/16/22	1 / 27	4.00	12.57	60,340	4,800	3	C4	N
35-3	28	09/16/22	1 / 27	4.00	12.57	53,996	4,300	2	C2	N
35-4	28	09/16/22	1 / 27	4.00	12.57	55,555	4,420	2	C2	N
35-5	56	10/14/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3520, 28 Day - 4510

Capping Methods

C4: Strength is greater than or equal to f'c.	N: Unbonded Caps (ASTM C1231)
C2: Strength is less than f'c. One cylinder will be held to break at 56 days.	
Tested By: Mark Coppeak (1)	
Checked In : 08/20/2022 (1,2,3,4,5)	





CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000108
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104357

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 #:	36	Technician:	Malfitano, Brigitte	Batched:	
Specimen Size:	CS 4" X 8"	Cast By:	Malfitano, Brigitte	Sampled:	11:08 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	11:20 MDT
Truck / Ticket #:		Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractor	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Channel Liner
Location Details:	Irrigation channel, south part of channel after ledge of channel.
Sample Location / Notes:	15 yards north of the southend of irrigation channel pour #5

Batch Log

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

Specifications

Field Measurements

Weather:	Clear	Slump (in):	5	Plastic Unit Weight:	138.4 (lb/ft³)
Air Temperature (F):		Concrete Temp (F):	80	Air Content:	7.0
				Load Volume:	

Standard Cure

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

Field Cure

Lab Test Results

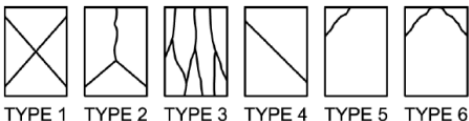
Testing Lab: Colorado Springs, 5170 Mark Dabbling Blvd., Colorado Springs, CO, 80918

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
36-1	7	08/26/22	1 / 6	4.00	12.57	49,615	3,950	5		N
36-2	28	09/16/22	1 / 27	4.00	12.57	60,448	4,810	5	C4	N
36-3	28	09/16/22	1 / 27	4.00	12.57	58,948	4,690	2	C4	N
36-4	28	09/16/22	1 / 27	4.00	12.57	60,594	4,820	2	C4	N
36-5	56	10/14/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3950, 28 Day - 4770

Capping Methods

C4: Strength is greater than or equal to f'c.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1)	
Checked In : 08/20/2022 (1,2,3,4,5)	





CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000109
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104365

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 #:	37	Technician:	Malfitano, Brigitte	Batched:	
Specimen Size:	CS 4" X 8"	Cast By:	Malfitano, Brigitte	Sampled:	12:21 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	12:29 MDT
Truck / Ticket #:		Sampled From:	Chute	Truck Empty:	
Contractor:	Araco concrete contractor	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Channel Liner
Location Details:	Irrigation channel, south part of channel after ledge of channel.
Sample Location / Notes:	1 yard north of south end of irrigation channel pour #5

Batch Log

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

Specifications

Field Measurements

Weather:	Clear	Slump (in):	4-1/2	Plastic Unit Weight:	
Air Temperature (F):		Concrete Temp (F):	85	Air Content:	6.5
				Load Volume:	

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 (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
37-1	7	08/26/22	1 / 6	4.00	12.57	53,663	4,270	2		N
37-2	28	09/16/22	1 / 27	4.00	12.57	60,753	4,830	2	C4	N
37-3	28	09/16/22	1 / 27	4.00	12.57	63,140	5,020	3	C4	N
37-4	28	09/16/22	1 / 27	4.00	12.57	61,539	4,900	2	C4	N
37-5	56	10/14/22	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4270, 28 Day - 4920

Capping Methods

C4: Strength is greater than or equal to f'c.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1)	
Checked In : 08/20/2022 (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-000110
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104376

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 #:	29	Technician:	Chavez, Angel	Batched:	13:54 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Chavez, Angel	Sampled:	14:35 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	14:50 MDT
Truck / Ticket #:	2031 / 14007534	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Footings
Location Details:	Footings for Building E
Sample Location / Notes:	Northeast corner

Batch Log

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

Specifications

Field Measurements

Weather:	Cloudy	Slump (in):	7	Plastic Unit Weight:	145.8 (lb/ft ³)
Air Temperature (F):	72	Concrete Temp (F):	75	Air Content:	1.8
				Load Volume:	10.00 (yd ³)

Standard Cure

Min / Max Temp (F):	68/78	Field Cure	
Initial Cure Method:	Box		
Final Cure Method:	Tank		

Lab Test Results

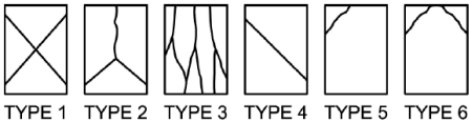
Testing Lab: Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

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
29-1	7	08/26/22	2 / 5	4.00	12.57	83,600	6,650	1		N
29-2	28	09/16/22	2 / 26	4.00	12.57	91,981	7,320	3	C4	N
29-3	28	09/16/22	2 / 26	4.00	12.57	96,135	7,650	2	C4	N
29-4	28	09/16/22	2 / 26	4.00	12.57	95,271	7,580	3	C4	N

Test Age Average Strengths (psi): 7 Day - 6650, 28 Day - 7520

Capping Methods

C4: Strength is greater than or equal to f'c. Tested By: Mark Coppeak (1) Checked In : 08/21/2022 (1,2,3,4)	N: Unbonded Caps (ASTM C1231)
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CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000111
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104377

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 #:	30	Technician:	Chavez, Angel	Batched:	15:09 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Chavez, Angel	Sampled:	16:05 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	16:20 MDT
Truck / Ticket #:	1758 / 12005911	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Footings
Location Details:	Footings for Building E
Sample Location / Notes:	Approximately 40 feet west of the northeast corner

Batch Log

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

Specifications

Field Measurements

Weather:	Cloudy	Slump (in):	7	Plastic Unit Weight:	146.0 (lb/ft ³)
Air Temperature (F):	70	Concrete Temp (F):	77	Air Content:	1.8
				Load Volume:	10.00 (yd ³)

Standard Cure

Min / Max Temp (F):	68/78	Field Cure	
Initial Cure Method:	Box		
Final Cure Method:	Tank		

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
30-1	7	08/26/22	2 / 5	4.00	12.57	89,770	7,140	2		N
30-2	28	09/16/22	2 / 26	4.00	12.57	95,261	7,580	5	C4	N
30-3	28	09/16/22	2 / 26	4.00	12.57	101,908	8,110	5	C4	N
30-4	28	09/16/22	2 / 26	4.00	12.57	101,398	8,070	5	C4	N

Test Age Average Strengths (psi): 7 Day - 7140, 28 Day - 7920

Capping Methods

C4: Strength is greater than or equal to f'c. Tested By: Mark Coppeak (1) Checked In : 08/21/2022 (1,2,3,4)	N: Unbonded Caps (ASTM C1231)
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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-000112
08/19/2022, 28-day
Report Date: 09/19/2022
Sample: 104378

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 #:	31	Technician:	Chavez, Angel	Batched:	15:42 MDT
Specimen Size:	CS 4" X 8"	Cast By:	Chavez, Angel	Sampled:	16:35 MDT
Specimens In Set:	5	Date Cast:	08/19/22	Cast:	16:50 MDT
Truck / Ticket #:	8110 / 12005915	Sampled From:	Pump	Truck Empty:	
Contractor:	Araco Concrete	Placement Method:	Pump	Placement Time:	

Location

Placement Location:	Footings
Location Details:	Footings for Building E
Sample Location / Notes:	Approximately 30 feet east of the southwest corner

Batch Log

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

Specifications

Field Measurements

Weather:	Cloudy	Slump (in):	7	Plastic Unit Weight:	146.6 (lb/ft ³)
Air Temperature (F):	64	Concrete Temp (F):	76	Air Content:	1.7
				Load Volume:	10.00 (yd ³)

Standard Cure

Min / Max Temp (F):	68/78	Field Cure	
Initial Cure Method:	Box		
Final Cure Method:	Tank		

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
31-1	7	08/26/22	2 / 5	4.00	12.57	87,296	6,950	3		N
31-2	28	09/16/22	2 / 26	4.00	12.57	98,505	7,840	3	C4	N
31-3	28	09/16/22	2 / 26	4.00	12.57	96,375	7,670	2	C4	N
31-4	28	09/16/22	2 / 26	4.00	12.57	94,086	7,490	3	C4	N

Test Age Average Strengths (psi): 7 Day - 6950, 28 Day - 7660

Capping Methods

C4: Strength is greater than or equal to f'c.	N: Unbonded Caps (ASTM C1231)
Tested By: Mark Coppeak (1)	
Checked In : 08/21/2022 (1,2,3,4)	



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