



# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000056  
08/03/2022, 28-day  
Report Date: 09/01/2022  
Sample: 103616

### 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

|                          |                 |                          |               |                        |           |
|--------------------------|-----------------|--------------------------|---------------|------------------------|-----------|
| <b>Set #:</b>            | 7               | <b>Technician:</b>       | Chavez, Angel | <b>Batched:</b>        | 05:25 MDT |
| <b>Specimen Size:</b>    | CS 4" X 8"      | <b>Cast By:</b>          | Chavez, Angel | <b>Sampled:</b>        | 06:10 MDT |
| <b>Specimens In Set:</b> | 5               | <b>Date Cast:</b>        | 08/03/22      | <b>Cast:</b>           | 06:25 MDT |
| <b>Truck / Ticket #:</b> | 1915 / 14006632 | <b>Sampled From:</b>     | Pump          | <b>Truck Empty:</b>    |           |
| <b>Contractor:</b>       | Araco Concrete  | <b>Placement Method:</b> | Pump          | <b>Placement Time:</b> |           |

### Location

|                                 |   |
|---------------------------------|---|
| <b>Placement Location:</b>      | Inlet Base  |
| <b>Location Details:</b>        | Channel Liner   |
| <b>Sample Location / Notes:</b> | Irrigation channel, east side of the job site running south |

### Batch Log

|                            |              |                    |         |                  |            |
|----------------------------|--------------|--------------------|---------|------------------|------------|
| <b>Supplier:</b>           | SRM Concrete | <b>Mix Design:</b> | ZCD4195 | <b>Strength:</b> | 4500 (psi) |
| <b>Plant:</b>              | 21014        |                    |         |                  |            |
| <b>On-Site Admixtures:</b> | None         |                    |         |                  |            |

### Specifications

### Field Measurements

|                             |       |                           |       |                             |                             |
|-----------------------------|-------|---------------------------|-------|-----------------------------|-----------------------------|
| <b>Weather:</b>             | Sunny | <b>Slump (in):</b>        | 3-1/2 | <b>Plastic Unit Weight:</b> | 140.4 (lb/ft <sup>3</sup> ) |
| <b>Air Temperature (F):</b> | 64    | <b>Concrete Temp (F):</b> | 78    | <b>Air Content:</b>         | 5.5                         |
|                             |       |                           |       | <b>Load Volume:</b>         | 10.00 (yd <sup>3</sup> )    |

### Standard Cure

### Field Cure

### Lab Test Results

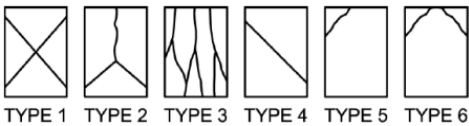
**Testing Lab:** Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

| Specimen Number | Test Age Days | Test Date | Field / Lab Cure Days | Average Cylinder Diameter (in) | Cylinder Area (in <sup>2</sup> ) | Max Load (lbs) | Strength (psi) | Fracture Type | Break Remark | Capping Method |
|-----------------|---------------|-----------|-----------------------|--------------------------------|----------------------------------|----------------|----------------|---------------|--------------|----------------|
| 7-1             | 7             | 08/10/22  | 1 / 6                 | 4.00                           | 12.57                            | 48,778         | 3,880          | 2             |              | N              |
| 7-2             | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 57,127         | 4,550          | 3             | C4           | N              |
| 7-3             | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 55,124         | 4,390          | 3             | C2           | N              |
| 7-4             | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 53,020         | 4,220          | 3             | C2           | N              |
| 7-5             | 56            | 09/28/22  | 1 / 55                |                                |                                  |                |                |               |              |                |

**Test Age Average Strengths (psi):** 7 Day - 3880, 28 Day - 4380

### Capping Methods

|  |                                      |
|--|--------------------------------------|
| <b>C4:</b> Strength is greater than or equal to f <sub>c</sub> .                                 | <b>N:</b> Unbonded Caps (ASTM C1231) |
| <b>C2:</b> Strength is less than f <sub>c</sub> . One cylinder will be held to break at 56 days. |                                      |
| <b>Tested By:</b> Mark Coppeak (1,2,3,4)   |                                      |
| <b>Checked In :</b> 08/04/2022 (1,2,3,4,5)   |                                      |





# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000057  
08/03/2022, 28-day  
Report Date: 09/01/2022  
Sample: 103621

### 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

|                          |                 |                          |               |                        |           |
|--------------------------|-----------------|--------------------------|---------------|------------------------|-----------|
| <b>Set #:</b>            | 8               | <b>Technician:</b>       | Chavez, Angel | <b>Batched:</b>        | 06:43 MDT |
| <b>Specimen Size:</b>    | CS 4" X 8"      | <b>Cast By:</b>          | Chavez, Angel | <b>Sampled:</b>        | 07:15 MDT |
| <b>Specimens In Set:</b> | 5               | <b>Date Cast:</b>        | 08/03/22      | <b>Cast:</b>           | 07:30 MDT |
| <b>Truck / Ticket #:</b> | 1915 / 14006641 | <b>Sampled From:</b>     | Pump          | <b>Truck Empty:</b>    |           |
| <b>Contractor:</b>       | Araco Concrete  | <b>Placement Method:</b> | Pump          | <b>Placement Time:</b> |           |

### Location

|                                 |   |
|---------------------------------|---|
| <b>Placement Location:</b>      | Inlet Base  |
| <b>Location Details:</b>        | Channel Liner   |
| <b>Sample Location / Notes:</b> | Irrigation channel, east side of the job site running south |

### Batch Log

|                            |              |                    |         |                  |            |
|----------------------------|--------------|--------------------|---------|------------------|------------|
| <b>Supplier:</b>           | SRM Concrete | <b>Mix Design:</b> | ZCD4195 | <b>Strength:</b> | 4500 (psi) |
| <b>Plant:</b>              | 21014        |                    |         |                  |            |
| <b>On-Site Admixtures:</b> | None         |                    |         |                  |            |

### Specifications

### Field Measurements

|                             |       |                           |    |                             |                |
|-----------------------------|-------|---------------------------|----|-----------------------------|----------------|
| <b>Weather:</b>             | Sunny | <b>Slump (in):</b>        | 5  | <b>Plastic Unit Weight:</b> | 139.2 (lb/ft³) |
| <b>Air Temperature (F):</b> | 79    | <b>Concrete Temp (F):</b> | 75 | <b>Air Content:</b>         | 5.7            |
|                             |       |                           |    | <b>Load Volume:</b>         | 10.00 (yd³)    |

### Standard Cure

### Field Cure

### Lab Test Results

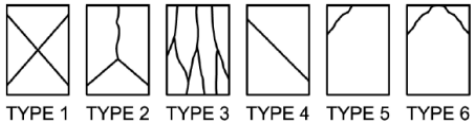
**Testing Lab:** Colorado Springs, 5170 Mark Dabling Blvd., Colorado Springs, CO, 80918

| 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 |
|-----------------|---------------|-----------|-----------------------|--------------------------------|---------------------|----------------|----------------|---------------|--------------|----------------|
| 8-1             | 7             | 08/10/22  | 1 / 6                 | 4.00                           | 12.57               | 48,588         | 3,870          | 3             |              | N              |
| 8-2             | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57               | 57,389         | 4,570          | 3             | C4           | N              |
| 8-3             | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57               | 55,900         | 4,450          | 3             | C2           | N              |
| 8-4             | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57               | 56,583         | 4,500          | 3             | C4           | N              |
| 8-5             | 56            | 09/28/22  | 1 / 55                |                                |                     |                |                |               |              |                |

**Test Age Average Strengths (psi):** 7 Day - 3870, 28 Day - 4510

### Capping Methods

|  |                                      |
|--|--------------------------------------|
| <b>C4:</b> Strength is greater than or equal to f <sub>c</sub> .                                 | <b>N:</b> Unbonded Caps (ASTM C1231) |
| <b>C2:</b> Strength is less than f <sub>c</sub> . One cylinder will be held to break at 56 days. |                                      |
| <b>Tested By:</b> Mark Coppeak (1,2,3,4)   |                                      |
| <b>Checked In :</b> 08/04/2022 (1,2,3,4,5)   |                                      |





# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000058  
08/03/2022, 28-day  
Report Date: 09/01/2022  
Sample: 103622

### 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

|                          |                 |                          |               |                        |           |
|--------------------------|-----------------|--------------------------|---------------|------------------------|-----------|
| <b>Set #:</b>            | 9               | <b>Technician:</b>       | Chavez, Angel | <b>Batched:</b>        | 07:10 MDT |
| <b>Specimen Size:</b>    | CS 4" X 8"      | <b>Cast By:</b>          | Chavez, Angel | <b>Sampled:</b>        | 07:55 MDT |
| <b>Specimens In Set:</b> | 5               | <b>Date Cast:</b>        | 08/03/22      | <b>Cast:</b>           | 08:10 MDT |
| <b>Truck / Ticket #:</b> | 2106 / 14006646 | <b>Sampled From:</b>     | Pump          | <b>Truck Empty:</b>    |           |
| <b>Contractor:</b>       | Araco Concrete  | <b>Placement Method:</b> | Pump          | <b>Placement Time:</b> |           |

### Location

|                                 |   |
|---------------------------------|---|
| <b>Placement Location:</b>      | Inlet Base  |
| <b>Location Details:</b>        | Channel Liner   |
| <b>Sample Location / Notes:</b> | Irrigation channel, east side of the job site running south |

### Batch Log

|                            |              |                    |         |                  |            |
|----------------------------|--------------|--------------------|---------|------------------|------------|
| <b>Supplier:</b>           | SRM Concrete | <b>Mix Design:</b> | ZCD4195 | <b>Strength:</b> | 4500 (psi) |
| <b>Plant:</b>              | 21014        |                    |         |                  |            |
| <b>On-Site Admixtures:</b> | None         |                    |         |                  |            |

### Specifications

### Field Measurements

|                             |       |                           |       |                             |                             |
|-----------------------------|-------|---------------------------|-------|-----------------------------|-----------------------------|
| <b>Weather:</b>             | Sunny | <b>Slump (in):</b>        | 5-1/2 | <b>Plastic Unit Weight:</b> | 139.6 (lb/ft <sup>3</sup> ) |
| <b>Air Temperature (F):</b> | 79    | <b>Concrete Temp (F):</b> | 79    | <b>Air Content:</b>         | 5.5                         |
|                             |       |                           |       | <b>Load Volume:</b>         | 10.00 (yd <sup>3</sup> )    |

### Standard Cure

### Field Cure

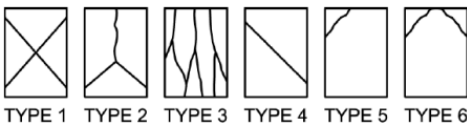
### Lab Test Results

| <b>Testing Lab:</b> 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 <sup>2</sup> ) | Max Load (lbs) | Strength (psi) | Fracture Type | Break Remark | Capping Method |
| 9-1   | 7             | 08/10/22  | 1 / 6                 | 4.00                           | 12.57                            | 49,963         | 3,980          | 3             |              | N              |
| 9-2   | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 61,339         | 4,880          | 5             | C4           | N              |
| 9-3   | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 61,913         | 4,930          | 3             | C4           | N              |
| 9-4   | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 62,719         | 4,990          | 2             | C4           | N              |
| 9-5   | 56            | 09/28/22  | 1 / 55                |                                |                                  |                |                |               |              |                |

**Test Age Average Strengths (psi):** 7 Day - 3980, 28 Day - 4930

### Capping Methods

|  |                                      |
|--|--------------------------------------|
| <b>C4:</b> Strength is greater than or equal to f'c. | <b>N:</b> Unbonded Caps (ASTM C1231) |
| <b>Tested By:</b> Mark Coppeak (1,2,3,4)             |                                      |
| <b>Checked In :</b> 08/04/2022 (1,2,3,4,5)           |                                      |





# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000059  
08/03/2022, 28-day  
Report Date: 09/01/2022  
Sample: 103623

### 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

|                          |                 |                          |               |                        |           |
|--------------------------|-----------------|--------------------------|---------------|------------------------|-----------|
| <b>Set #:</b>            | 10              | <b>Technician:</b>       | Chavez, Angel | <b>Batched:</b>        | 07:54 MDT |
| <b>Specimen Size:</b>    | CS 4" X 8"      | <b>Cast By:</b>          | Chavez, Angel | <b>Sampled:</b>        | 09:00 MDT |
| <b>Specimens In Set:</b> | 5               | <b>Date Cast:</b>        | 08/03/22      | <b>Cast:</b>           | 09:15 MDT |
| <b>Truck / Ticket #:</b> | 1915 / 14006656 | <b>Sampled From:</b>     | Pump          | <b>Truck Empty:</b>    |           |
| <b>Contractor:</b>       | Araco Concrete  | <b>Placement Method:</b> | Pump          | <b>Placement Time:</b> |           |

### Location

|                                 |   |
|---------------------------------|---|
| <b>Placement Location:</b>      | Inlet Base  |
| <b>Location Details:</b>        | Channel Liner   |
| <b>Sample Location / Notes:</b> | Irrigation channel, east side of the job site running south |

### Batch Log

|                            |              |                    |         |                  |            |
|----------------------------|--------------|--------------------|---------|------------------|------------|
| <b>Supplier:</b>           | SRM Concrete | <b>Mix Design:</b> | ZCD4195 | <b>Strength:</b> | 4500 (psi) |
| <b>Plant:</b>              | 21014        |                    |         |                  |            |
| <b>On-Site Admixtures:</b> | None         |                    |         |                  |            |

### Specifications

### Field Measurements

|                             |       |                           |    |                             |                             |
|-----------------------------|-------|---------------------------|----|-----------------------------|-----------------------------|
| <b>Weather:</b>             | Sunny | <b>Slump (in):</b>        | 5  | <b>Plastic Unit Weight:</b> | 138.8 (lb/ft <sup>3</sup> ) |
| <b>Air Temperature (F):</b> | 79    | <b>Concrete Temp (F):</b> | 80 | <b>Air Content:</b>         | 5.0                         |
|                             |       |                           |    | <b>Load Volume:</b>         | 10.00 (yd <sup>3</sup> )    |

### Standard Cure

### Field Cure

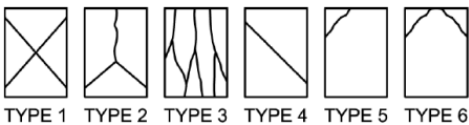
### Lab Test Results

| <b>Testing Lab:</b> 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 <sup>2</sup> ) | Max Load (lbs) | Strength (psi) | Fracture Type | Break Remark | Capping Method |
| 10-1  | 7             | 08/10/22  | 1 / 6                 | 4.00                           | 12.57                            | 45,550         | 3,620          | 3             |              | N              |
| 10-2  | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 60,026         | 4,780          | 3             | C4           | N              |
| 10-3  | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 61,946         | 4,930          | 3             | C4           | N              |
| 10-4  | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 61,559         | 4,900          | 3             | C4           | N              |
| 10-5  | 56            | 09/28/22  | 1 / 55                |                                |                                  |                |                |               |              |                |

**Test Age Average Strengths (psi):** 7 Day - 3620, 28 Day - 4870

### Capping Methods

|  |                                      |
|--|--------------------------------------|
| <b>C4:</b> Strength is greater than or equal to f'c. | <b>N:</b> Unbonded Caps (ASTM C1231) |
| <b>Tested By:</b> Mark Coppeak (1,2,3,4)             |                                      |
| <b>Checked In :</b> 08/04/2022 (1,2,3,4,5)           |                                      |





# CTL THOMPSON Compressive Strength of Concrete

Founded in 1971

Test Method: ASTM C 39

Report #: CC-000060  
08/03/2022, 28-day  
Report Date: 09/01/2022  
Sample: 103624

### 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

|                          |                 |                          |               |                        |           |
|--------------------------|-----------------|--------------------------|---------------|------------------------|-----------|
| <b>Set #:</b>            | 11              | <b>Technician:</b>       | Chavez, Angel | <b>Batched:</b>        | 09:22 MDT |
| <b>Specimen Size:</b>    | CS 4" X 8"      | <b>Cast By:</b>          | Chavez, Angel | <b>Sampled:</b>        | 10:08 MDT |
| <b>Specimens In Set:</b> | 5               | <b>Date Cast:</b>        | 08/03/22      | <b>Cast:</b>           | 10:22 MDT |
| <b>Truck / Ticket #:</b> | 2033 / 14006667 | <b>Sampled From:</b>     | Pump          | <b>Truck Empty:</b>    |           |
| <b>Contractor:</b>       | Araco Concrete  | <b>Placement Method:</b> | Pump          | <b>Placement Time:</b> |           |

### Location

|                                 |   |
|---------------------------------|---|
| <b>Placement Location:</b>      | Inlet Base  |
| <b>Location Details:</b>        | Channel Liner   |
| <b>Sample Location / Notes:</b> | Irrigation channel, east side of the job site running south |

### Batch Log

|                            |              |                    |         |                  |            |
|----------------------------|--------------|--------------------|---------|------------------|------------|
| <b>Supplier:</b>           | SRM Concrete | <b>Mix Design:</b> | ZCD4195 | <b>Strength:</b> | 4500 (psi) |
| <b>Plant:</b>              | 21014        |                    |         |                  |            |
| <b>On-Site Admixtures:</b> | None         |                    |         |                  |            |

### Specifications

### Field Measurements

|                             |       |                           |    |                             |                             |
|-----------------------------|-------|---------------------------|----|-----------------------------|-----------------------------|
| <b>Weather:</b>             | Sunny | <b>Slump (in):</b>        | 4  | <b>Plastic Unit Weight:</b> | 140.4 (lb/ft <sup>3</sup> ) |
| <b>Air Temperature (F):</b> | 79    | <b>Concrete Temp (F):</b> | 78 | <b>Air Content:</b>         | 5.3                         |
|                             |       |                           |    | <b>Load Volume:</b>         | 10.00 (yd <sup>3</sup> )    |

### Standard Cure

### Field Cure

### Lab Test Results

| <b>Testing Lab:</b> 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 <sup>2</sup> ) | Max Load (lbs) | Strength (psi) | Fracture Type | Break Remark | Capping Method |
| 11-1   | 7             | 08/10/22  | 1 / 6                 | 4.00                           | 12.57                            | 50,424         | 4,010          | 3             |              | N              |
| 11-2   | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 63,936         | 5,090          | 1             | C4           | N              |
| 11-3   | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 63,936         | 5,090          | 1             | C4           | N              |
| 11-4   | 28            | 08/31/22  | 1 / 27                | 4.00                           | 12.57                            | 61,814         | 4,920          | 2             | C4           | N              |
| 11-5   | 56            | 09/28/22  | 1 / 55                |                                |                                  |                |                |               |              |                |

**Test Age Average Strengths (psi):** 7 Day - 4010, 28 Day - 5030

### Capping Methods

|  |                                      |
|--|--------------------------------------|
| <b>C4:</b> Strength is greater than or equal to f'c. | <b>N:</b> Unbonded Caps (ASTM C1231) |
| <b>Tested By:</b> Mark Coppeak (1,2,3,4)             |                                      |
| <b>Checked In :</b> 08/04/2022 (1,2,3,4,5)           |                                      |

