



Concrete Construction Observation Report

Project Name/Location:	UCU / Brighton Ave./Portland	Project No:	07-0559
Client/Client's Rep.:	UCU/Joseph Gervais	Date:	7-24-07
Placement Location:	Entire Building	SWCE Rep.:	JLD
Placement Type:	Footing <input checked="" type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	2:45 pm
		Left Site:	4:30 pm

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	#7 instead of #5
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	By Sebago Tech

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
Foundation Drawing	4/30/07	S 1.1		A 615 <input checked="" type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3000, 3/4", w/mid-range
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pump truck
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Single layer
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No
 *CYLINDER SET NO: 778-1 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description: Rebar size noted above.
 Action Taken by SWCE: Contractor notified and correct bar installed.
 Person(s) Notified:

N/O = Not Observed

Notes: Approved shop drawings not available. Structural drawings used as reference.

Attachments: None

Reviewed By: RED



Concrete Construction Observation Report

Project Name/Location:	UCU / Brighton Ave./Portland	Project No:	07-0559
Client/Client's Rep.:	UCU/Joseph Gervais	Date:	7-30-07
Placement Location:	Wall lines A-E & 1-5	SWCE Rep.:	VLT
Placement Type:	Footing <input type="checkbox"/> Wall <input checked="" type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	2:45 pm
		Left Site:	4:45 pm

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
Foundation Drawing	4/30/07	S 1.1		A 615 <input checked="" type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/>
Foundation Drawing	4/30/07	S 2.1		A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3000, 3/4", w/mid-range
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pump truck
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 layers
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No
***CYLINDER SET NO:** 778-2 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description: _____
 Action Taken by SWCE: _____
 Person(s) Notified: _____

N/O = Not Observed

Notes: Approved shop drawings not available. Structural drawings used as reference.

Attachments: None

Reviewed By: RED



Concrete Construction Observation Report

Project Name/Location:	UCU / Brighton Ave./Portland	Project No:	07-0559
Client/Client's Rep.:	UCU/Joseph Gervais	Date:	8-3-07
Placement Location:	Entire Floor Slab	SWCE Rep.:	JLD
Placement Type:	Footing <input type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	7:00 am
		Left Site:	9:30 am

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	6" x 6" rebar mat
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
				A 615 <input checked="" type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4000, 3/4", w/mid-range
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bucket & crane
Depth of layer maximum limits not exceeded	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Even layering around openings and embedments	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No
 *CYLINDER SET NO: 778-3 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description:
 Action Taken by SWCE:
 Person(s) Notified:

N/O = Not Observed
Notes: Approved shop drawings not available. Structural drawings used as reference. Vapor barrier installed beneath slab.

Attachments: None

Reviewed By: RED



Concrete Construction Observation Report

Project Name/Location:	UCU / Brighton Ave./Portland	Project No:	07-0559
Client/Client's Rep.:	UCU/Joseph Gervais	Date:	8-6-07
Placement Location:	F/6, F/7, F/8, G/6, G/7 & G/8 (exterior piers)	SWCE Rep.:	CKT
Placement Type:	Footing <input checked="" type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	9:30 am
		Left Site:	10:45 am

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	#7's, #3's
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	<1" (see notes)
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	brick
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
Foundation Drawings	4/30/07	S 1.1		A 615 <input checked="" type="checkbox"/> A 616 <input type="checkbox"/> A 617 <input type="checkbox"/> A 706 <input type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/> 75 <input type="checkbox"/> A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	3000, 3/4", w/mid-range
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Tailgate
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Single
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	N/A
Removal of temporary ties and spacers	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No

***CYLINDER SET NO:** 778-4 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

<u>NON-CONFORMANCE ITEMS OBSERVED</u>	<u>Yes</u>	<u>No</u>
Non-Conformance Item Description: Rebar cover inadequate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Action Taken by SWCE: Brand Partners notified. Correction made.

Person(s) Notified:

N/O = Not Observed

Notes: Approved shop drawings not available. Structural drawings used as reference.

Attachments: None

Reviewed By: RED



Concrete Construction Observation Report

Project Name/Location:	UCU / Brighton Ave./Portland	Project No:	07-0559
Client/Client's Rep.:	UCU/Joseph Gervais	Date:	10-11-07
Placement Location:	ATM/Drive Thru Slabs	SWCE Rep.:	VLТ
Placement Type:	Footing <input type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input checked="" type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	11:30 am
		Left Site:	12:45 pm

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
Foundation Drawings	4/30/07	S 1.1		A 615 <input checked="" type="checkbox"/> A 616 <input type="checkbox"/> A 617 <input type="checkbox"/> A 706 <input type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/> 75 <input type="checkbox"/> A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4000, 3/4", w/mid-range
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tailgate
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Single
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No
***CYLINDER SET NO:** 778-5 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description:
 Action Taken by SWCE:
 Person(s) Notified:

N/O = Not Observed

Notes: Approved shop drawings not available. Structural drawings used as reference. 1% non-chloride accelerator added.

Attachments: None

Reviewed By: RED

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - UNIVERSITY CREDIT UNION - BRIGHTON AVENUE - MATERIALS TESTING

Project Number: 07-0559

Client: UNIVERSITY CREDIT UNION

Client Contract Number:
General Contractor:
Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 7/24/2007 **Time Cast:** 3:15 **Date Received:** 7/25/2007

Placement Location: FOOTING OF BUILDING

Placement Method: PUMP TRUCK

Placement Vol. (yd³): 40

Cylinders Made By: JLD

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

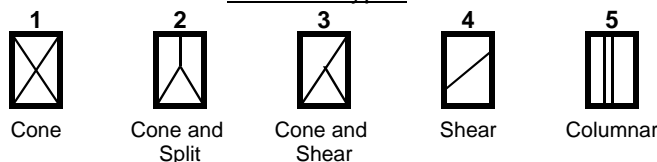
Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143):	Slump WR: 6	Load Number: 1
Air Content (%) (C-231):	Air WR: 5.5	Mixer Number: 106
Air Temp (°F): 70		Ticket Number: 129255
Conc. Temp (°F) (C-1064): 75		Cubic Yards: 10
		Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
778-1A		6.00	28.27	7/31/2007	Lab	7	4	100.0	3540
778-1B		6.00	28.27	8/21/2007	Lab	28	4	132.0	4670
778-1C		6.00	28.27	8/21/2007	Lab	28	4	128.0	4530
778-1D				Hold	Lab				

Fracture Types



Remarks:

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - UNIVERSITY CREDIT UNION - BRIGHTON AVENUE - MATERIALS TESTING

Project Number: 07-0559

Client: UNIVERSITY CREDIT UNION

Client Contract Number:
General Contractor:
Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 7/30/2007 **Time Cast:** 4:30 **Date Received:** 7/31/2007

Placement Location: WALL LINES A-E & 1-5

Placement Method: PUMP

Placement Vol. (yd³): 26

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5 3/4

Load Number: 2

Air Content (%) (C-231): **Air WR:** 4.5

Mixer Number: 94

Air Temp (°F): 80

Ticket Number: 132475

Conc. Temp (°F) (C-1064): 81

Cubic Yards: 10

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
778-2A		6.00	28.27	8/6/2007	Lab	7	4	89.5	3170
778-2B		6.00	28.27	8/27/2007	Lab	28	4	119.5	4230
778-2C		6.00	28.27	8/27/2007	Lab	28	4	116.0	4100
778-2D				Hold	Lab				

Fracture Types



Cone



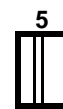
Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - UNIVERSITY CREDIT UNION - BRIGHTON AVENUE - MATERIALS TESTING

Project Number: 07-0559

Client: UNIVERSITY CREDIT UNION

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 8/3/2007 **Time Cast:** 7:30 **Date Received:** 8/4/2007

Placement Location: FLOOR SLAB

Placement Method: BUCKET/CHUTE

Placement Vol. (yd³): 41

Cylinders Made By: JLD

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 4

Load Number: 2

Air Content (%) (C-231): **Air WR:** 2

Mixer Number: 94

Air Temp (°F): 74

Ticket Number: 129600

Conc. Temp (°F) (C-1064): 79

Cubic Yards: 20

Design (psi): 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
778-3A		6.00	28.27	8/10/2007	Lab	7	4	92.0	3250
778-3B		6.00	28.27	8/31/2007	Lab	28	4	115.0	4070
778-3C		6.00	28.27	8/31/2007	Lab	28	4	112.0	3960
778-3D		6.00	28.27	9/28/2007	Lab	56	4	138.5	4900

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - UNIVERSITY CREDIT UNION - BRIGHTON AVENUE - MATERIALS TESTING

Project Number: 07-0559

Client: UNIVERSITY CREDIT UNION

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 8/6/2007 **Time Cast:** 10:15

Date Received: 8/7/2007

Placement Location: PIER F-6, F-7, F-8, G-6, G-7, G-8

Placement Method: TAILGATE

Placement Vol. (yd³): 4

Cylinders Made By: CKT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): 6.5

Load Number: 1

Air Content (%) (C-231): 5.4

Mixer Number: 84

Air Temp (°F): 63

Ticket Number: 129667

Conc. Temp (°F) (C-1064): 74

Cubic Yards: 4

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
778-4A		6.00	28.27	8/9/2007	Lab	3	4	67.0	2370
778-4B		6.00	28.27	9/3/2007	Lab	28	4	109.0	3860
778-4C		6.00	28.27	9/3/2007	Lab	28	4	98.5	3480
778-4D				Hold	Lab				

Fracture Types



1
Cone



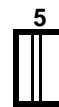
2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks:

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - UNIVERSITY CREDIT UNION - BRIGHTON AVENUE - MATERIALS TESTING

Project Number: 07-0559

Client: UNIVERSITY CREDIT UNION

Client Contract Number:
General Contractor:
Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 10/11/2007 **Time Cast:** 12:35 **Date Received:** 10/12/2007

Placement Location: ATM / DRIVE THRU SLABS

Placement Method: TAILGATE

Placement Vol. (yd³): 19

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: 170 POZZUTEC 20 + NON CHLORIDE POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6 3/4

Load Number: 1

Air Content (%) (C-231): **Air WR:** 4.2

Mixer Number: 84

Air Temp (°F): 53

Ticket Number: 134702

Conc. Temp (°F) (C-1064): 67

Cubic Yards: 11

Design (psi): 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
778-5A		6.00	28.27	10/18/2007	Lab	7	4	120.5	4260
778-5B				11/8/2007	Lab	28			
778-5C				11/8/2007	Lab	28			
778-5D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: