

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

Date:	December 8, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
67886	7
67890	7
67894	7

Remarks:

Copy To:
Roy Williams: rsw@portlandmaine.gov
Jim Stanislaski: jim_stanislaski@gensler.com
Cliff Takara: clifford_takara@gensler.com
Lacey Fogg: Lacey.Fogg@amec.com
Mike Fusco: mfusco@tcco.com
Shaun Winner: swinner@tcco.com
Phil Coleman: pcoleman@tcco.com
Elizabeth O'Toole: eotoole@tcco.com
TMM@portlandmaine.gov
ldobson@portlandmaine.gov
rdixon@tcco.com
gemitchell@tcco.com
Remi Delcourt (remi@auburnconcrete.com)
Jeff Evans, Amec (jeff.evans@amec.com)

Signed: Bertha Dawn

If enclosures are not as noted, kindly notify us at once.

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Stairway
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 01-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: DEC 09 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	5		Batched @ 6:36
Ticket No.	179611	Air (°F)	46		Arrived @ 7:00
Truck No.	97	Concrete (°F) ASTM C 1064	69		Total Time 85
Cubic Yds.	5	Air Content (%) ASTM C 231	3.0		

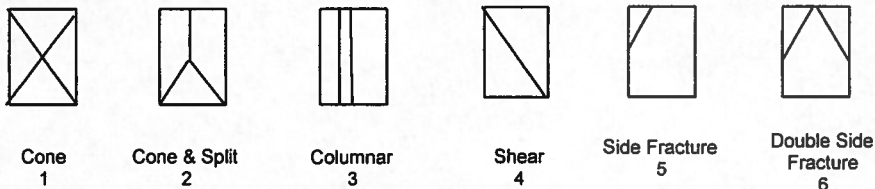
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 02-Dec-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67886	08-Dec-10	4.010	12.63	7	49,280	3900	5
67887	29-Dec-10			28			
67888	29-Dec-10			28			
67889	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

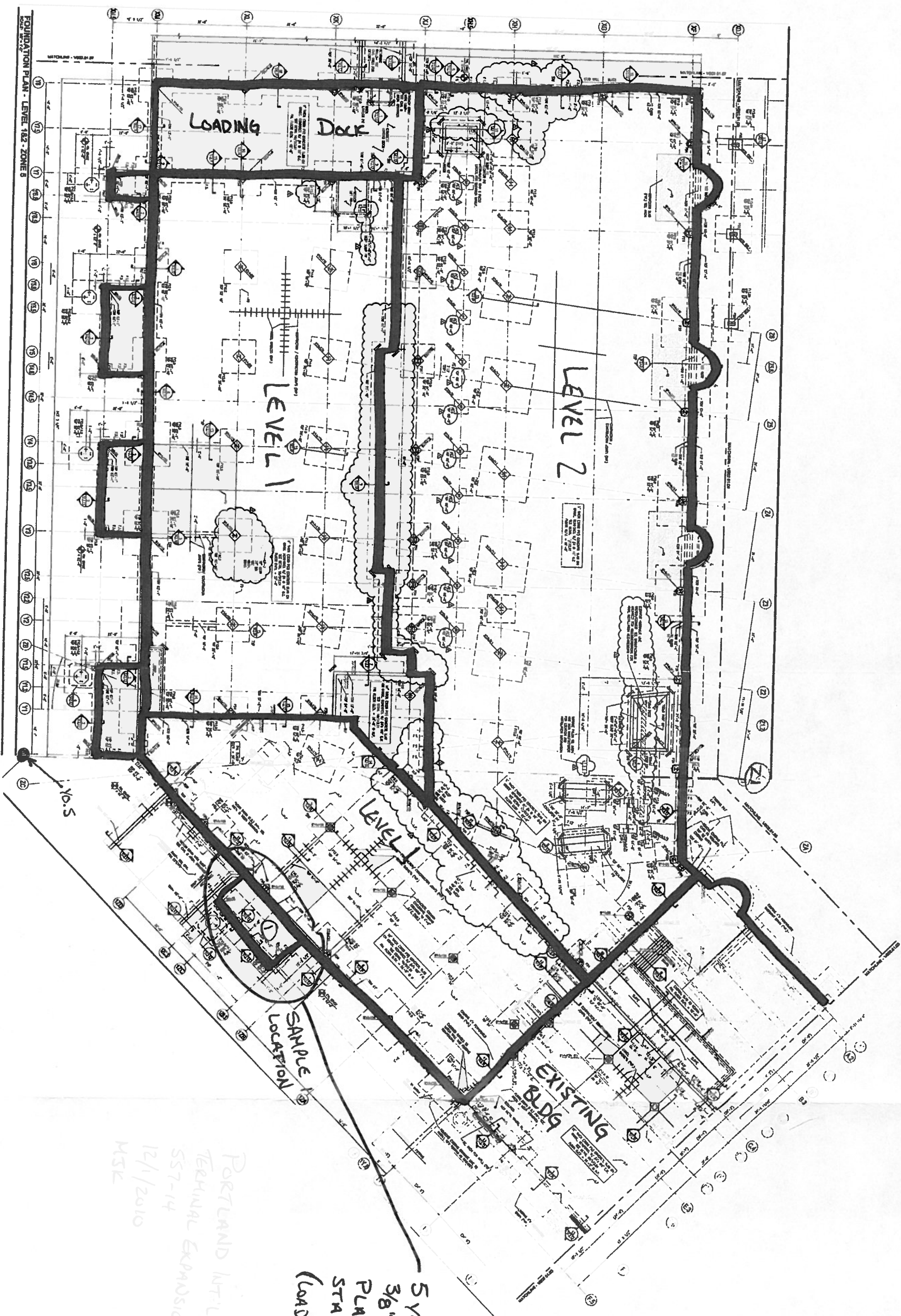
Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
6	179627	98	5	--	--	--	--	--

Remarks: Curing Temps: High 77°, Low 65°
Two loads of this mix for a total of 10 cubic yards.

Checked by: Matthew T. Grady
 7012 Matthew T. Grady, Manager of MTS



5 yds 3500 PSI
 3/8" CONCRETE
 PLACED IN
 STAIR CASE
 (LOAD 1)

PORTLAND INT'L SETPOET.
 TECHNICAL EXPANSION
 557-14
 12/1/2010
 HSK

(LOAD 1)

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: 4th Level Wall
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 01-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: **DEC 09 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	5.50	Batched @	8:27
Ticket No.	179617	Air (°F)	49	Arrived @	8:45
Truck No.	118	Concrete (°F) ASTM C 1064	66	Total Time	55
Cubic Yds.	10	Air Content (%) ASTM C 231	4.3		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 02-Dec-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67890	08-Dec-10	4.010	12.63	7	41,820	3310	2
67891	29-Dec-10			28			
67892	29-Dec-10			28			
67893	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

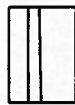
Types of Breaks



Cone
1



Cone & Split
2



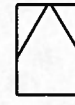
Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
3	179619	97	5	--	--	--	--	45

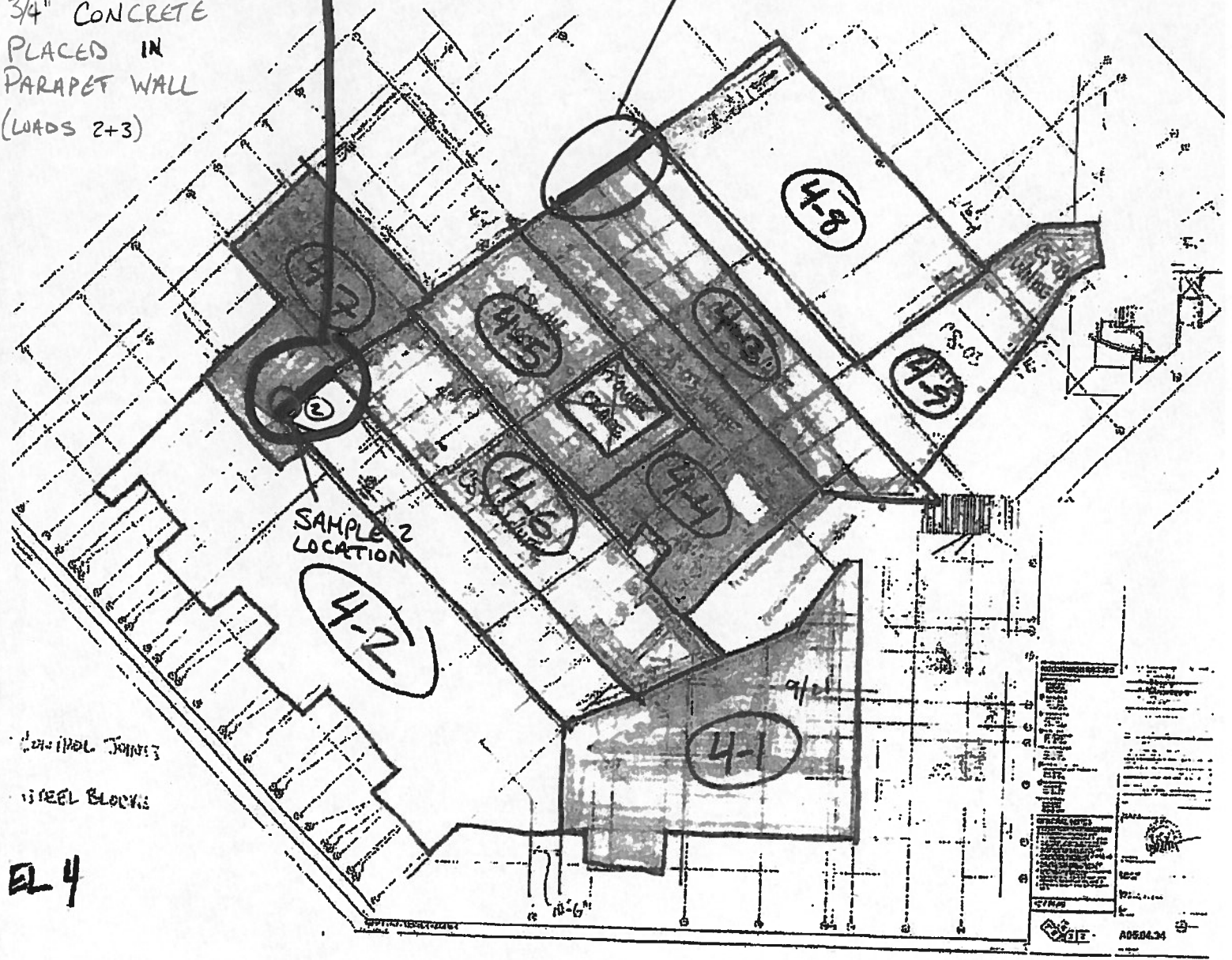
Remarks: Curing Temps: High 62°, Low 50°
 Two loads of this mix for a total of 15 cubic yards.

Checked by: *Matthew T. Grady*
 For: Matthew T. Grady, Manager of MTS

CONC.

15 yds 3000 PSI
3/4" CONCRETE
PLACED IN
PARAPET WALL
(LOADS 2+3)

5 yds 3500 PSI
3/8" CONCRETE
PLACED IN CURBING
(LOAD 6)



CONTROL JOINTS
STEEL BLOCKS

EL 4

PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
12/1/2010
MSK

(load 2)
CONC. 2/3

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 2% Pozzutec 20+
Placement Location: Stairway Penthouses
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 01-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: DEC 09 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	4	Slump (in) ASTM C 143	6.5		Batched @ 10:37
Ticket No.	179623	Air (°F)	48		Arrived @ 10:55
Truck No.	99	Concrete (°F) ASTM C 1064	68		Total Time 40
Cubic Yds.	7.5	Air Content (%) ASTM C 231	3.75		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 02-Dec-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67894	08-Dec-10	4.010	12.63	7	47,780	3780	2
67895	29-Dec-10			28			
67896	29-Dec-10			28			
67897	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



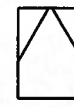
Columnar
3



Shear
4



Side Fracture
5



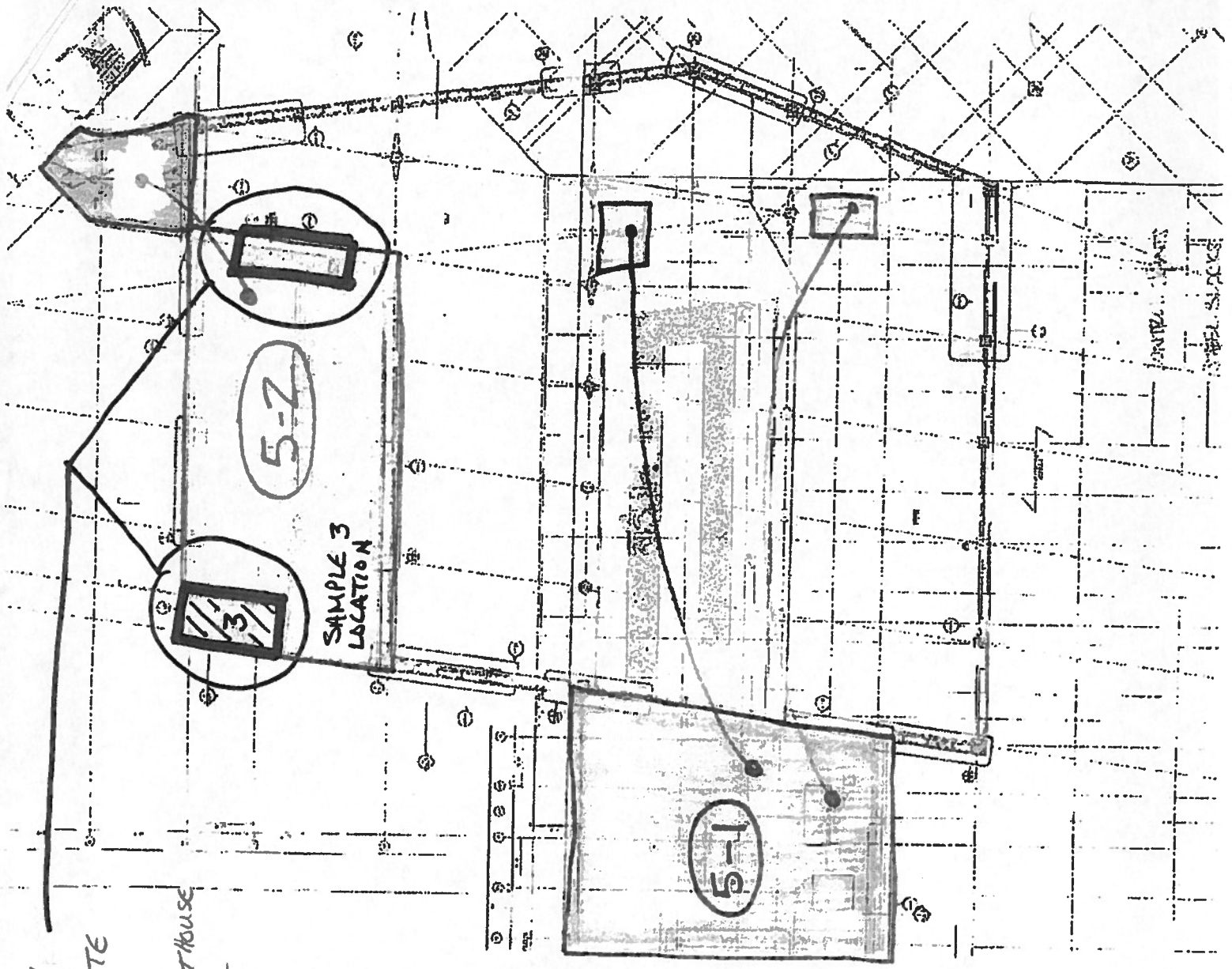
Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
5	179624	97	7.5	--	--	--	--	40

Remarks: Curing Temps: High 62°, Low 50°
 Lightweight Concrete Unit Weight: 122.4 PCF
 Two loads of ths mix for a total of 15 cubic yards.

Checked by:
 Matthew T. Grady, Manager of MTS

3500 PSI 3/8"
LT. WT. CONCRETE
PLACED AS
STAIRWELL PENNHOUSE
SLABS ON DECK



Level 5

PORTLAND INT'L TETPORT
TERMINAL EXPANSION
557-14
12/1/2010
MSK

CONC. 3/3 (load 4)