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

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

City of Portland, Portand Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
67523	28
67524	28
67528	28
67529	28
67532	28
67533	28
67536	28
67537	28

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: --
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab 4-5
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 20-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: NOV 17 2010

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	9	Batched @	7:27
Ticket No.	179813	Air (°F)	40	Arrived @	8:03
Truck No.	96	Concrete (°F) ASTM C 1064	56	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.25		

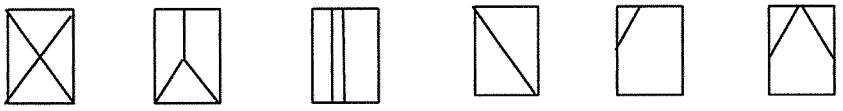
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 21-Oct-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67521	25-Oct-10	4.009	12.62	5	37,320	2960	5
67522	27-Oct-10	4.014	12.65	7	39,540	3130	2
67523	17-Nov-10	4.010	12.63	28	56,140	4440	5
67524	17-Nov-10	4.010	12.63	28	56,240	4450	5
67525	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.)
1	179811	116	10	--	--	--	--	--
3	179815	97	10	--	--	--	--	--
4	179816	86	10	--	--	--	--	--
5	179817	116	10	--	--	--	--	--

Remarks: 9 Total Loads
Unit weight 122.60 pcf

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: --
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab 4-5
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 20-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: NOV 17 2010

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	7	Batched @	8:57
Ticket No.	179820	Air (°F)	46	Arrived @	9:20
Truck No.	96	Concrete (°F) ASTM C 1064	58	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.5		

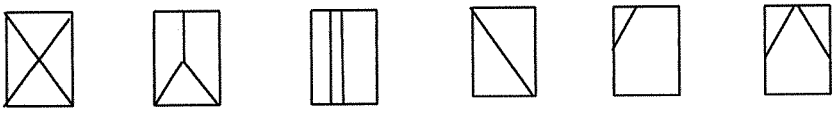
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 21-Oct-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67526	25-Oct-10	4.009	12.62	5	39,060	3100	5
67527	27-Oct-10	4.014	12.65	7	43,720	3460	2
67528	17-Nov-10	4.010	12.63	28	59,820	4740	2
67529	17-Nov-10	4.010	12.63	28	61,080	4840	5
67530	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.)
7	179823	97	10	--	--	--	--	--
8	179825	116	10	8.00	--	--	--	--
9	179826	97	8	--	--	--	--	--

Remarks: 9 Total Loads
Unit weight 122.80 pcf

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Loading dock Slab on grade and 4th level parapet wall
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 20-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: NOV 1 7 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	3	Batched @	11:42
Ticket No.	180044	Air (°F)	48	Arrived @	12:05
Truck No.	97	Concrete (°F) ASTM C 1064	58	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.8		

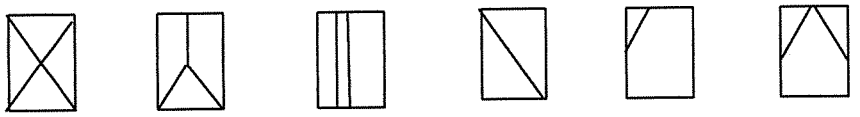
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 21-Oct-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67531	27-Oct-10	4.014	12.65	7	45,740	3620	2
67532	17-Nov-10	4.010	12.63	28	78,500	6220	5
67533	17-Nov-10	4.010	12.63	28	84,340	6680	5
67534	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.)
2	180045	86	10	--	--	--	--	--
3	180046	116	10	--	--	--	--	--
4	180047	99	10	--	--	--	--	--
5	180048	97	10	--	--	--	--	--

Remarks: 10 Total Loads
Unit weight 122.80 pcf

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

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200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Loading dock Slab on grade and 4th level parapet wall
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 20-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: NOV 17 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	6	Batched @	1:37
Ticket No.	180049	Air (°F)	48	Arrived @	--
Truck No.	116	Concrete (°F) ASTM C 1064	57	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.5		

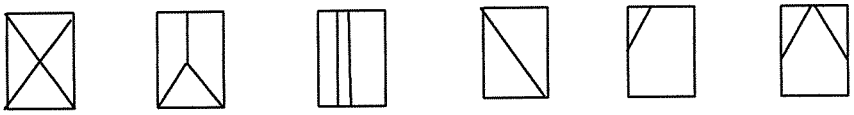
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 21-Oct-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67535	27-Oct-10	4.014	12.65	7	45,560	3600	3
67536	17-Nov-10	4.010	12.63	28	78,440	6210	2
67537	17-Nov-10	4.010	12.63	28	80,080	6340	6
67538	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks

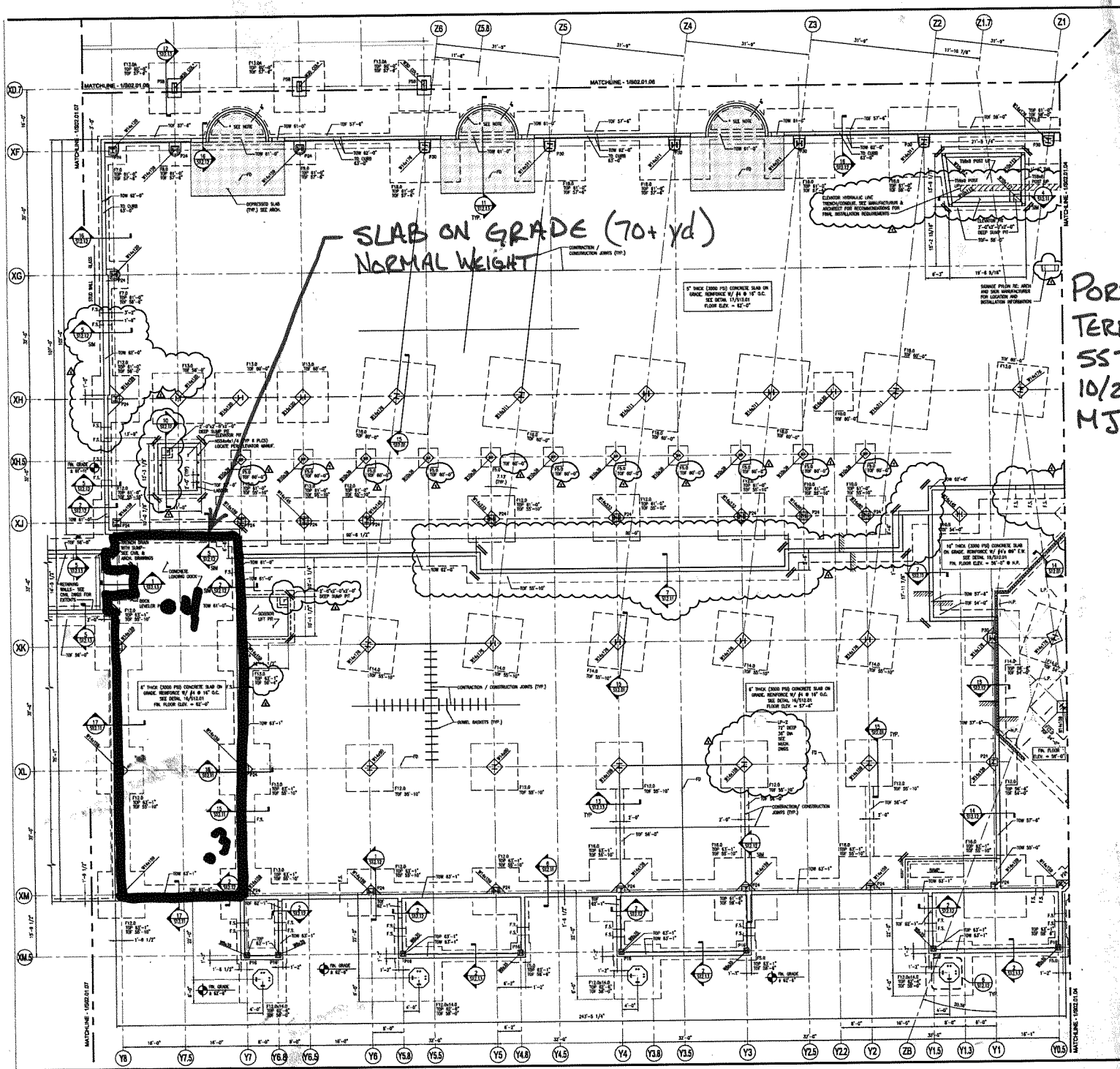


Cone 1 | Cone & Split 2 | Columnar 3 | Shear 4 | Side Fracture 5 | Double Side Fracture 6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
7	180050	97	10	--	--	--	--	--
8	--	--	10	--	--	--	--	--
9	--	--	10	--	--	--	--	--
10	180054	76	5	--	--	--	--	--

Remarks: 10 Total Loads

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



FOUNDATION PLAN - LEVEL 1&2 - ZONE 5
SCALE: 1/8" = 1'-0"

1

SHEET NOTES

F.S. INDICATES FOOTING SIZE, SEE DETAIL ON SHEET S07.01.

TOF X'-X" [EXAMPLE] INDICATES TOP OF FOOTING ELEVATION O.C. VERIFY/COORDINATE WITH FINAL GRADES. ALL BOTTOM OF FOOTING ELEVATIONS ARE (-) 4'-0" (MIN.) BELOW FINISHED GRADE.

TOW X'-X" [EXAMPLE] INDICATES TOP OF WALL. TOP VARIES SEE DETAILS & COORDINATE W/ ARCH DWGS.

TOP X'-X" [EXAMPLE] INDICATES TOP OF PIER. TOP TO BE 6'-0" (U.N.O.)

PXX INDICATES PIER TYPE, SEE SCHEDULE ON SHEET S02.01.04

FXX INDICATES FOOTING TYPE, SEE SCHEDULE ON SHEET S02.01.04

(E) INDICATES EXISTING.

* COORDINATE DIMENSION W/ REVOLVING DOOR MANUFACTURER, VERIFY W/ ARCHITECT.

INDICATES SLAB PITCH

⊗ INDICATES FLOOR DRAIN, SEE ARCH. & MECH DWGS.

GENERAL NOTES

1. ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF SAC WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
2. CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.
3. SEE SHEET S00.00 FOR GENERAL STRUCTURAL NOTES AND DESIGN LOADS.
4. SEE SHEET S10.01 FOR TYPICAL FOUNDATION DETAILS
5. CONTRACTOR SHALL COORDINATE ALL FLOOR OPENINGS WITH MECHANICAL DRAWINGS.
6. AT ALL LOCATIONS WHERE PIPING RUNS BENEATH CMU OR CONCRETE WALLS, DEEPEN FOOTINGS AS REQUIRED TO ALLOW 6" (MIN.) CLEARANCE BETWEEN PIPE AND FOOTING.
7. CONTRACTOR SHALL SUBMIT LAY-OUT FOR SLAB ON GRADE CONSTRUCTION AND CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PLACING CONCRETE.
8. SEE ARCH DWGS FOR DEPRESSED SLAB LOCATIONS AND DEPTHS.
9. PROVIDE (2) #3 x 4'-0" LONG REINFORCING BARS AT ALL RE-ENTRANT SLAB CORNERS. SEE DETAILS ON SHEET S13.01.
10. ALL FOOTINGS TO BE CENTERED ON COL. GRID LINE (U.N.O.).
11. FLOOR SLABS AT THIS LEVEL SHALL BE INSTALLED WITH RADIANT HEAT. COORDINATE W/ ARCH & MECH DWGS.
12. SEE ARCH DWGS FOR WATERPROOFING AND INSULATING REQUIREMENTS AND LOCATIONS.
13. PER GEOTECHNICAL REPORT BY HALEY & ALDRICH (HAL FILE NO. 35624-001 DATED 11 NOVEMBER 2008) FOUNDATIONS HAVE BEEN DESIGNED FOR A MINIMUM ALLOWABLE BEARING PRESSURE OF 3000PSF. CONTRACTOR SHALL ALLOW CONSULTANT AND GEOTECHNICAL ENGINEER TO INSPECT SUBGRADE CONDITIONS TO CONFIRM BEARING CAPACITY PRIOR TO PLACEMENT OF FORMS OR REINFORCING STEEL.
14. SEE SHEET S00.00 FOR GENERAL STRUCTURAL NOTES AND DESIGN LOADS.
15. REFERENCE S02.01.00 AND SPECIFICATION SECTION 334000 FOR UNDERSLAB DRAINAGE REQUIREMENTS.
16. OVER-EXCAVATION/REPLACEMENT OF UNSUITABLE SOILS MAY BE REQUIRED BELOW FOUNDATION BEARING LEVELS. SEE SHEET S00.00 AND SPECIFICATION SECTION 312000 FOR ADDITIONAL INFORMATION.

KEY PLAN

PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
10/20/2010
MJK

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler
3020 M Street, NW
Suite 200
Washington, DC 20000
Telephone 202.721.5500
Facsimile 202.872.0557

west ASSOCIATES, INC.
engineers · architects · surveyors · construction managers

△	Issue	Date & Issue Description	By	Check
---	01	07/11/08 SCHEMATIC DESIGN	JDC	---
---	02	09/22/08 DESIGN DEVELOPMENT	JDC	---
---	03	12/03/08 75% CONSTRUCTION DOCUMENTS	JDC	---
---	04	01/23/09 90% CONSTRUCTION DOCUMENTS	JDC	---
---	05	10/26/09 ISSUED FOR PERMIT	JDC	---
06	11/12/09 ADDENDUM #2	JDC	---
07	05/12/10 BULLETIN #1	JDC	---

Project Name: PWM Terminal Enhancement

Project Number: 08-0006-000

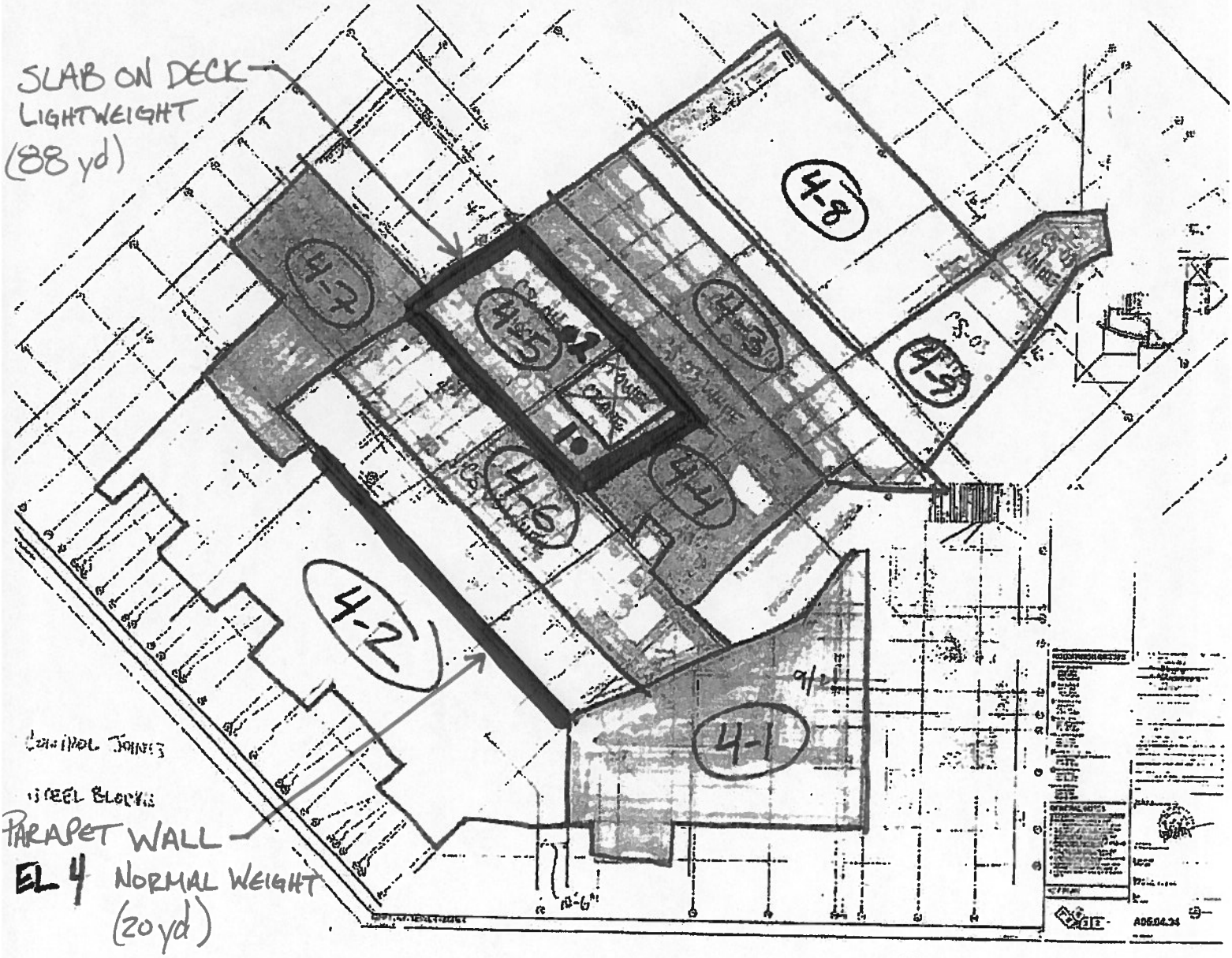
CAD File Name: T:\A3308101\SHEETS\S02.01.05.DWG

Description: FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

Scale: 1/8" = 1'-0"

Ref. North

S02.01.05



PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
10/20/2010
MJK