

December 6, 2016

David Onos
Director of Building Trades
389 Congress Street
Portland, ME 04101

RE: Structural Special Inspections
Elevator Addition
Reiche Elementary School
Portland Public Schools

Dear Mr. Onos:

Oak Point Associates has reviewed the third party special inspection reports for the above project that were performed by R.W. Gillespie and Associates. Inspections were performed in accordance with chapter 17 of the 2009 International Building Code and the Statement of Special Inspections prepared by Oak Point Associates.

Test reports for concrete foundations and elevated slabs indicated compressive strengths that meet or exceed those required by the contract documents.

The grout test report for grout place on July 29, 2016 indicated a grout compressive strength of 1880 pounds per square inch (psi) was achieved this is less than the required value of 2,000 psi per the Building Code Requirements and Specification for Masonry Structures. Although this value does not meet the minimum value for the masonry walls, additional calculations were performed and this area would still have the required strength to support the design loads and forces.

Inspection reports for structural steel indicated compliance with the contract documents.

Based on a review of the submitted reports the special inspections meet the intent of our structural design.

Should you have any questions or require further assistance please contact me at any time.

Sincerely,

A handwritten signature in black ink, appearing to read "David N. Martin".

David N. Martin, PE, SE
Senior Structural Engineer

Enclosure: Test Reports - R.W. Gillespie Associates

cc: David Onos, City of Portland
Craig Worth, Portland Public Schools



R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
177 Shattuck Way, Suite 1 West, Newington NH 03801 603-427-0244
44 Wood Avenue, Suite 1, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

City of Portland

389 Congress Street

Portland, Maine 04101

Date:	August 8, 2016	Project No.:	0557-020
Attention:	David Onos (onosda@portlandschools.org)		
Re:	Concrete Testing Reiche School Elevator Addition Portland, Maine		

We are sending you attached Concrete Cylinder Test Results.	
Cylinder No. (s)	Age (Days)
83786	28
83787	28
83788	28

Remarks:

Copy to:

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

R.W. GILLESPIE & ASSOCIATES
CONCRETE TEST/PLACEMENT REPORT

1 of 1

Project Name:	Reiche School Elevator Addition	Date Cylinders Cast:	Thursday, July 07, 2016
Project No:	0557-020	Concrete Supplier:	Auburn Concrete
Client:	City of Portland	Design Strength:	3000 psi
Weather Conditions:	Overcast	Max. Aggregate Size:	3/4 inch
Placement Method:	Rear Discharge	Admixtures:	Master Glenium, Masterset R100 MasterAir AE200

Placement Location:
 Addition footing for elevator

Test Cylinder Location:
 Center of footing

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

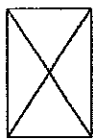
Load Number:	1 of 2	Number of 4x8 Cylinders:	4
Ticket Number:	289268	Cast By:	Patrick J. Roma
Truck Number:	157	Slump:	ASTM C 143 4.50 in.
Cubic Yards:	7.5	Air Temperature:	64 °F
Total Yardage:	15	Concrete Temperature:	78 °F
Total Time (minutes):	52	Air Content:	ASTM C 231 4.9 %

Specimen Storage ASTM C 31

Field Cure Days: 1
 Date Received: 7/8/2016
 Condition of Cylinders: Good
 Curing Temperatures: 67 °F to 76 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83785	7/14/2016	4.00	12.53	7	47055	3750	5
83786	8/4/2016	4.03	12.74	28	56635	4450	6
83787	8/4/2016	4.03	12.74	28	52990	4160	5
83788	8/4/2016	4.03	12.74	28	55700	4370	5



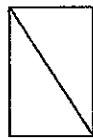
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Remarks:

Checked by:

Matthew T. Grady
 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 200 International Dr., Suite 170, Portsmouth NH 03801, 603-427-0244



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LETTER OF TRANSMITTAL

City of Portland

389 Congress Street

Portland, Maine 04101

Date:	August 9, 2016	Project No.:	0557-020
Attention:	David Onos (onosda@portlandschools.org)		
Re:	Mortar Testing Reiche School Elevator Addition Portland, Maine		

We are sending you attached Mortar Cube Test Results:	
Cube No. (s)	Age (Days)
83834	28
83835	28
83836	28

Remarks:

The compressive strength values resulting from field testing mortars do not represent the compressive strength of mortar as testing in the laboratory nor that of the mortar in the wall. Physical properties of field sampled mortar shall not be used to determine compliance to this specification and are not intended as criteria to determine the acceptance or rejection of the mortar.

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R.W. GILLESPIE & ASSOCIATES
CONCRETE TEST/PLACEMENT REPORT

Project Name:	Reiche School Elevator Addition	Date Cylinders Cast:	Monday, July 11, 2016
Project No:	0557-020	Concrete Supplier:	Auburn Concrete
Client:	City of Portland	Design Strength:	3500 psi
Weather Conditions:	Sunny	Max. Aggregate Size:	3/4 inch
Placement Method:	Pump	Admixtures:	MasterAir AE200 Masterset R100 Master Glenium

Placement Location:
 Elevator Addition walls, Line D

Test Cylinder Location:
 D/6.5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

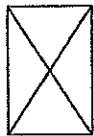
Load Number:	1 of 1	Number of 4x8 Cylinders:	4
Ticket Number:	289386	Cast By:	Patrick J. Roma
Truck Number:	84	Slump:	ASTM C 143 5.50 in.
Cubic Yards:	6	Air Temperature:	71 °F
Total Yardage:	6	Concrete Temperature:	78 °F
Total Time (minutes):	60	Air Content:	ASTM C 231 5.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1
 Date Received: 7/12/2016
 Condition of Cylinders: Good
 Curing Temperatures: 68 °F to 77 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83833	7/18/2016	4.00	12.57	7	47115	3750	2
83834	8/8/2016	3.98	12.45	28	54380	4370	2
83835	8/8/2016	3.98	12.45	28	55220	4440	2
83836	8/8/2016	3.98	12.45	28	54170	4350	5



Cone
1



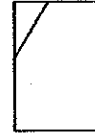
Cone & Split
2



Columnar
3



Shear
4

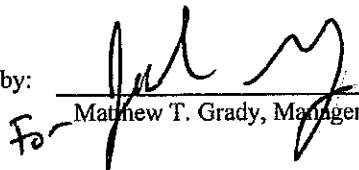


Side Fracture
5



Double Side Fracture
6

Remarks:

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



R.W. GILLESPIE & ASSOCIATES, INC



R. W. Gillespie & Associates, Inc.

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LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date: August 19, 2016	Project No.: 0557-020
Attention: David Onos (onosda@portlandschools.org)	
Re: Mortar Testing Reiche School Elevator Addition Portland, Maine	

We are sending you attached Mortar Cube Test Results	
Cube No. (s)	Age (Days)
84062	28
84063	28

Remarks:

The compressive strength values resulting from field testing mortars do not represent the compressive strength of mortar as testing in the laboratory nor that of the mortar in the wall. Physical properties of field sampled mortar shall not be used to determine compliance to this specification and are not intended as criteria to determine the acceptance or rejection of the mortar.

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R.W. GILLESPIE & ASSOCIATES
CONCRETE TEST/PLACEMENT REPORT

Project Name:	Reiche School Elevator Addition	Date Cylinders Cast:	Wednesday, July 20, 2016
Project No:	0557-020	Concrete Supplier:	Auburn Concrete
Client:	City of Portland	Design Strength:	4500 psi
Weather Conditions:	Sunny	Max. Aggregate Size:	3/4 inch
Placement Method:	Rear Discharge	Admixtures:	MRWR

Placement Location:
 Foundation of Elevator Shaft

Test Cylinder Location:
 Not Listed

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

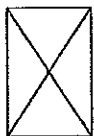
Load Number:	2 of 3	Number of 4x8 Cylinders:	4
Ticket Number:	289843	Cast By:	Andrew Flynn
Truck Number:	150	Slump:	ASTM C 143 7.00 in.
Cubic Yards:	10	Air Temperature:	75 °F
Total Yardage:	27	Concrete Temperature:	84.4 °F
Total Time (minutes):	69	Air Content:	ASTM C 231 2.0 %

Specimen Storage ASTM C 31

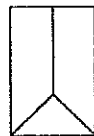
Field Cure Days: 1
 Date Received: 7/21/2016
 Condition of Cylinders: Good
 Curing Temperatures: 68 °F to 79 °F

ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84060	7/27/2016	3.99	12.50	7	48870	3910	3
84061	7/27/2016	3.99	12.50	7	47710	3820	3
84062	8/17/2016	4.01	12.64	28	63625	5030	2
84063	8/17/2016	4.01	12.64	28	62835	4970	5



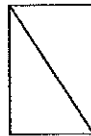
Cone
1



Cone & Split
2



Columnar
3



Shear
4



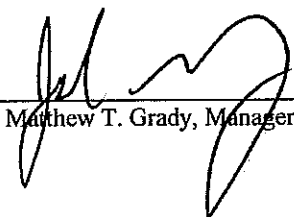
Side Fracture
5



Double Side Fracture
6

Remarks:

Checked by:

For  Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



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44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date: September 29, 2016	Project No.: 0557-020
Attention: David Onos (onosda@portlandschools.org)	
Re: Mortar Testing Reiche School Elevator Addition Portland, Maine	

We are sending you attached Mortar Cube Test Results.	
Cube No. (s)	Age (Days)
84259	28
84260	28
84261	28

Remarks:

The compressive strength values resulting from field testing mortars do not represent the compressive strength of mortar as testing in the laboratory nor that of the mortar in the wall. Physical properties of field sampled mortar shall not be used to determine compliance to this specification and are not intended as criteria to determine the acceptance or rejection of the mortar.

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R.W. GILLESPIE & ASSOCIATES
MORTAR TEST/PLACEMENT REPORT

ASTM C 780

Project Name:	Reiche School Elevator Addition	Date Cubes Cast:	Friday, July 29, 2016
Project No:	0557-020	Mortar Supplier:	Quikrete
Client:	City of Portland	General Contractor:	
Weather Conditions:	Overcast	Design Strength:	1800 PSI

Placement Location:

Prisims Location:

Date Report Issued:

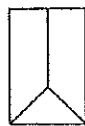
Load Number:	- of -	Number of 2x2x2 Cubes	9
Ticket Number:	164477	Cast By:	Joshua R. Fancy
Truck Number:	-	Slump:	ASTM C 143 - in.
Cubic Yards:	-	Air Temperature:	72 °F
Total Yardage:	-	Mortar Temperature:	- °F
Total Time (minutes):	-		

Field Cure Days: 1
 Date Received: 7/30/2016
 Condition of Cylinders: Good

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84256	8/5/2016	1.998x2.135	4.26	7	6805	1600	3
84257	8/5/2016	2.002x2.106	4.21	7	6980	1660	3
84258	8/5/2016	2.113x2.020	4.26	7	5760	1350	3
84259	8/26/2016	1.992x1.886	3.75	28	7180	1910	1
84260	8/26/2016	2.002x2.086	4.10	28	7605	1850	1
84261	8/26/2016	2.112x2.083	4.39	28	7630	1740	1
84262	9/23/2016	2.061x2.067	4.26	56	7945	1870	0
84263	9/23/2016	2.064x2.049	4.22	56	7840	1860	0
84264	9/23/2016	2.054x2.106	4.32	56	7875	1820	0



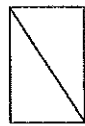
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Remarks:

The compressive strength values resulting from field tested mortars do not represent the compressive strength of mortar as tested in the laboratory nor that of the mortar in the wall. Physical properties of field sampled mortar shall not be used to determine compliance to this specification and are not intended as criteria to determine the acceptance or rejection of the mortar.

Checked by:

Matthew T. Grady
 Matthew T. Grady, Manager of MTS



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LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date: October 3, 2016	Project No.: 0557-020
Attention: David Onos (onosda@portlandschools.org)	
Re: Grout Testing Reiche School Elevator Addition Portland, Maine	

We are sending you attached Grout Prism Test Results.	
Prism No. (s)	Age (Days)
84239	56

Remarks:

Prism #84239 was below the design strength on the 56 day break.

Copy to:

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

R.W. GILLESPIE & ASSOCIATES
GROUT TEST/PLACEMENT REPORT

ASTM C 1019

Project Name:	Reiche School Elevator Addition	Date Cylinders Cast:	Friday, July 29, 2016
Project No:	0557-020	Grout Supplier:	Dayton Sand & Gravel
Client:	City of Portland	General Contractor:	
Weather Conditions:	Overcast	Design Strength:	3000 PSI
Placement Method:	Buckets	Admixtures:	

Placement Location:
 First 4.5' of CMU

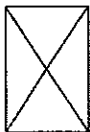
Prisims Location:
 Northwest Corner

Date Report Issued:

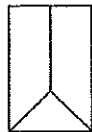
Load Number:	1 of 1	Number of 3x3x6 Prisims:	4
Ticket Number:	31961	Cast By:	Joshua R. Fancy
Truck Number:	607	Slump:	ASTM C 143 in.
Cubic Yards:	4	Air Temperature:	°F
Total Yardage:		Grout Temperature:	°F
Total Time (minutes):			

Field Cure Days: 3
 Date Received: 8/1/2016
 Condition of Cylinders: Good

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84236	8/5/2016	3.218x3.148	10.13	7	14920	1470	4
84237	8/5/2016	3.296x3.242	10.68	7	14565	1360	4
84238	8/26/2016	3.369x3.341	11.26	28	20435	1810	4
84239	9/23/2016	3.341x3.446	11.51	56	21595	1880	0



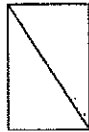
Cone
1



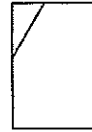
Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Remarks:

Checked by:

Matthew T. Grady
 For Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC



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LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date: October 12, 2016	Project No.: 0557-020
Attention: David Onos (onosda@portlandschools.org)	
Re: Grout Testing Reiche School Elevator Addition Portland, Maine	

We are sending you attached Grout Prism Test Results	
Prism No. (s)	Age (Days)
84484	56

Remarks:

Copy to:

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

R.W. GILLESPIE & ASSOCIATES
GROUT TEST/PLACEMENT REPORT

1 of 1

ASTM C 1019

Project Name:	Reiche School Elevator Addition	Date Cylinders Cast:	Friday, August 12, 2016
Project No:	0557-020	Grout Supplier:	Dayton Sand & Gravel
Client:	City of Portland	General Contractor:	
Weather Conditions:	sunny	Design Strength:	3000 PSI
Placement Method:	Buckets	Admixtures:	

Placement Location:
 Top of elevator shaft & top of back walls

Prisims Location:
 Top of Elevator Shaft

Date Report Issued:

Load Number:	1 of 1	Number of 3x3x6 Prisims	4
Ticket Number:	32066	Cast By:	Matt T. Grady
Truck Number:	6023	Slump:	ASTM C 143 in.
Cubic Yards:	4	Air Temperature:	°F
Total Yardage:		Grout Temperature:	°F
Total Time (minutes):			

Field Cure Days: 1
 Date Received: 8/13/2016
 Condition of Cylinders: Good

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84483	8/19/2016	3.427x3.362	11.52	7	16010	1390	3
84484	10/7/2016	3.034x3.330	10.10	56	31225	3090	5
84485	9/9/2016	3.511x3.469	12.17	28	25370	2080	1
84486	HOLD			H			



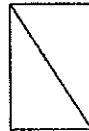
Cone
1



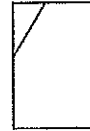
Cone & Split
2



Columnar
3



Shear
4

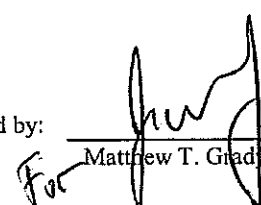


Side Fracture
5



Double Side Fracture
6

Remarks:

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

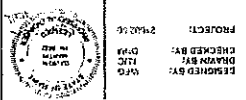


R.W. GILLESPIE & ASSOCIATES, INC

86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 200 International Dr., Suite 170, Portsmouth NH 03801, 603-427-0244

0557-020

OAK POINT
ARCHITECTS



PROJECT: REICHE ELEMENTARY SCHOOL
DRAWN BY: D.M.
CHECKED BY: J.L.C.
DATE: 08-20-00

REICHE ELEMENTARY SCHOOL
ELEVATOR ADDITION

FLOOR
FRAMING
PLAN

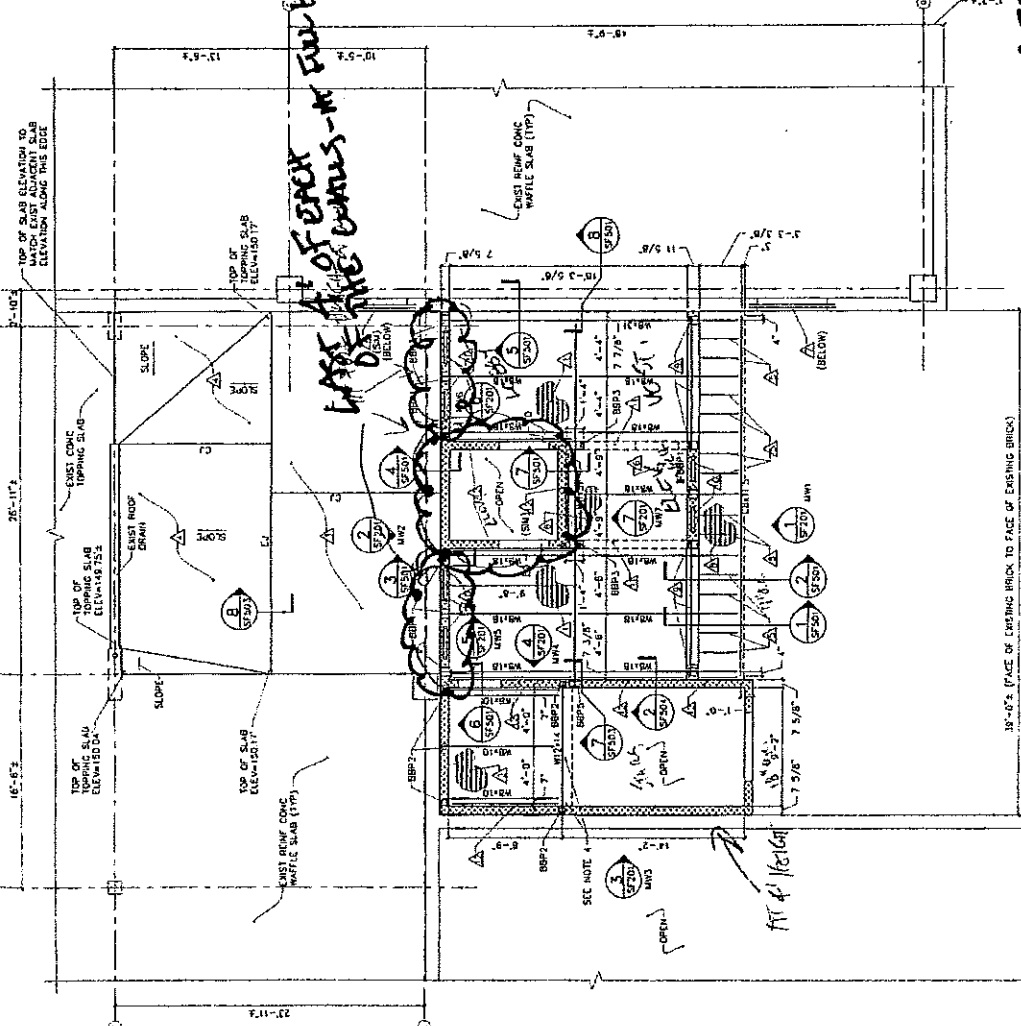
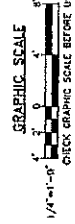
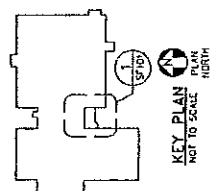
SCALE: AS NOTED
DATE: 08-20-00
DWG: SF101
SHEET: 11 OF 40

GENERAL SHEET NOTES:

1. REFER TO SHEET SF-01 FOR INTERIOR CORRIDOR/WAMP FRAMING.
2. REFER TO SHEET SF-01 FOR BEAM BEARING PLATE SCHEDULE.
3. TOP OF STEEL ELEVATION = 145.79 UNLESS NOTED OTHERWISE.
4. COORDINATE STAIR-STEEL STRINGER CONNECTION PROVIDED BY STAIR FABRICATOR WITH W214 LANDING BEAM.

KEYNOTES: (THIS SHEET ONLY)

- △ 2" REBAR CALVANIZED STEEL CONCRETE DECK WITH 4-1/2" CONCRETE FILL WITH #6, W2 BARS, WELDED WIRE FABRIC.
- △ COL-FORMED FLAT BOTTOM STEEL PLATE WITH 4-1/2" CONCRETE FILL WITH #6, W2 BARS, WELDED WIRE FABRIC.
- △ 1/4" CONCRETE TOPPING SLAB WITH #6, W2 BARS, WELDED WIRE FABRIC. TOP OF SLAB ELEVATION = 150.17.
- △ 1/4" CONCRETE TOPPING SLAB WITH #6, W2 BARS, WELDED WIRE FABRIC. TOP OF SLAB ELEVATION = 150.17.
- △ 60# 5/8" X 10" COR-RIBBED STEEL BEARING JOISTS SPACED 1'-5" ON CENTER BETWEEN MAIN STEEL BEAMS.
- △ REBAR BEAM LOCATION. PROVIDE SUPPLEMENTAL FRAMING TO SUPPORT FLOOR DECK EDGE.
- △ 1-1/2" REBAR CALVANIZED STEEL ROOF DECK.
- △ 1-1/2" REBAR CALVANIZED STEEL ROOF DECK.
- △ W214 UNFILL BELOW (TYP) SUPPORTED ON BRP1 AT EACH END. POSITION BEAM TOWARDS INTERIOR FACE OF CURTAIN WALL AS INDICATED IN DETAIL 1/2504.
- △ CONTINUOUS 3/4" X 3/4" WIRE STEEL PLATE WITH 1/2" DIAMETER 3-1/2" LONG HOOKED ANCHORS SPACED 1'-4" ON-CENTER.
- △ DASHED PORTION OF CURTAIN WALL SHALL NOT BE ATTACHED TO THE INTERIOR FACE OF CURTAIN WALL UNLESS COMPRESSIBLE FILLER BETWEEN TOP OF CURTAIN AND UNDER-SIDE OF STEEL DECK.
- △ 4-1/2" X 2-1/2" (LVL) DECK SUPPORT. SEE DETAIL 2/2504.



LARGE AREA CURTAIN - W FULL HEIGHT
TOP OF BRICK ELEVATION TO MATCH EXIST ADJACENT SLAB ELEVATION ALONG THIS EDGE

18'-0" (FACE OF EXISTING BRICK TO FACE OF EXISTING BRICK)

FLOOR FRAMING PLAN
SCALE: 3/8\"/>

0557-020
REICHE SCHOOL
8/22/04
MTC





R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
177 Shattuck Way, Suite 1 West, Newington NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date:	November 9, 2016	Project No.:	0557-020
Attention:	David Onos (onosda@portlandschools.org)		
Re:	Concrete Testing Reiche School Elevator Addition Portland, Maine		

We are sending you attached Concrete Cylinder Test Results.	
Cylinder No. (s)	Age (Days)
84533	86

Remarks:

Copy to:

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

R.W. GILLESPIE & ASSOCIATES
MORTAR TEST/PLACEMENT REPORT
 ASTM C 780

Project Name: Reiche School Elevator Addition **Date Cubes Cast:** Friday, August 12, 2016
Project No: 0557-020 **Mortar Supplier:** Quikrete
Client: City of Portland **General Contractor:**
Weather Conditions: Sunny **Design Strength:** 1800 PSI

Placement Location:
 Top of elevator shaft & top of back walls

Prisims Location:
 Top of Back of Walls

Date Report Issued:

Load Number:	- of -	Number of 2x2x2 Cubes	9
Ticket Number:	-	Cast By:	Matt T. Grady
Truck Number:	-	Slump:	ASTM C 143 - in.
Cubic Yards:	-	Air Temperature:	93 °F
Total Yardage:	-	Mortar Temperature:	- °F
Total Time (minutes):	0		

Field Cure Days: 1
 Date Received: 8/13/2016
 Condition of Cylinders: Good

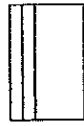
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84528	8/19/2016	2.001x2.065	4.13	7	3010	730	3
84529	8/19/2016	2.010x2.075	4.17	7	3530	850	3
84530	8/19/2016	2.012x2.055	4.13	7	3310	800	3
84531	9/9/2016	2.035x2.015	4.10	28	3625	880	1
84532	9/9/2016	2.01x2.026	4.07	28	3825	940	1
84533	11/6/2016	2.062x2.024	4.17	86	4025	970	3
84534	10/7/2016	2.035x2.06	4.19	56	4050	970	5
84535	12/4/2016			114			
84536	12/4/2016			114			



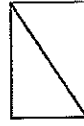
Cone
1



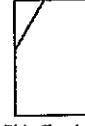
Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5

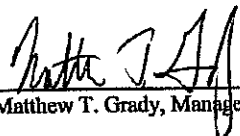


Double Side Fracture
6

Remarks:

The compressive strength values resulting from field tested mortars do not represent the compressive strength of mortar as tested in the laboratory nor that of the mortar in the wall. Physical properties of field sampled mortar shall not be used to determine compliance to this specification and are not intended as criteria to determine the acceptance or rejection of the mortar.

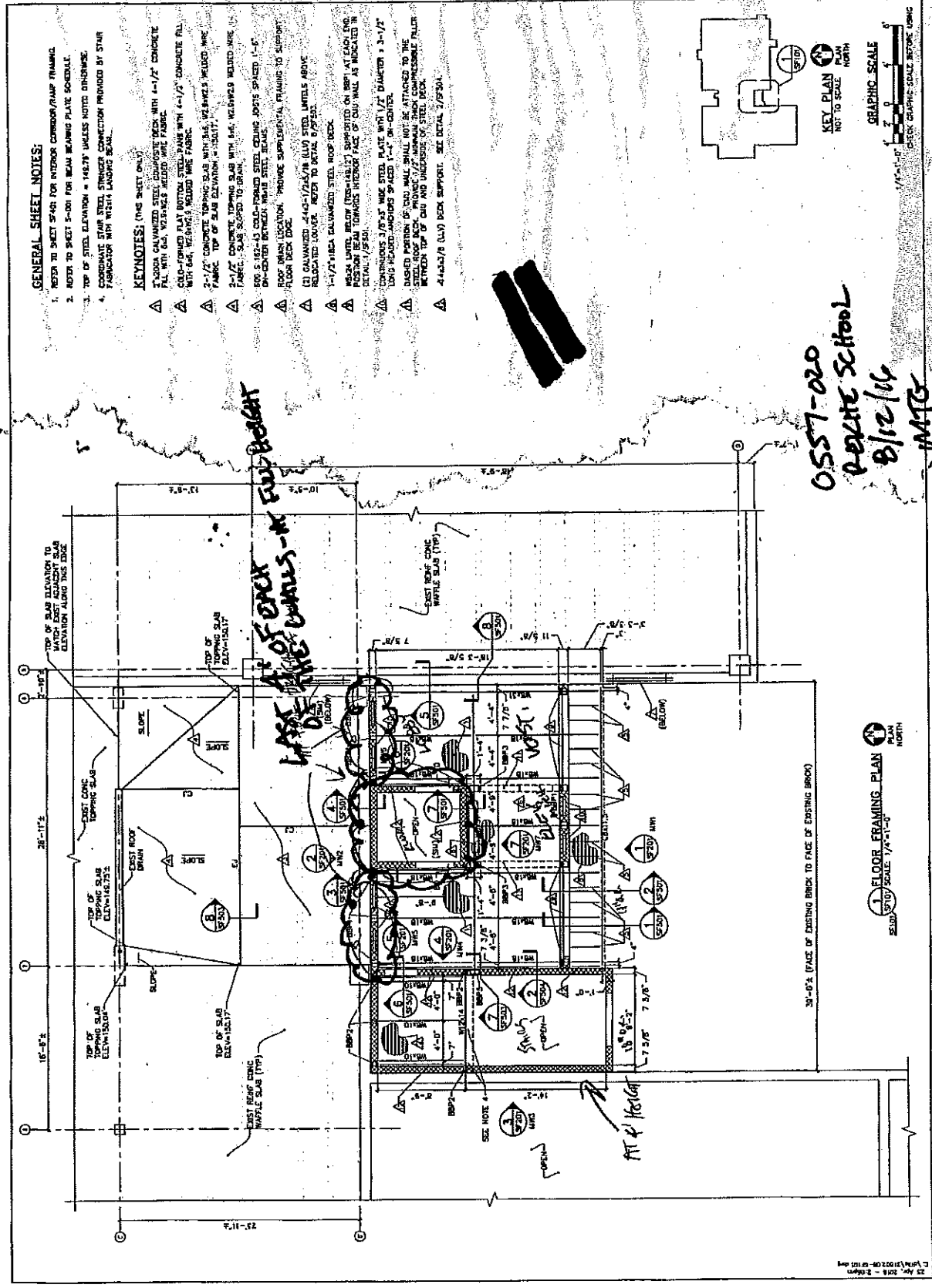
Checked by:


 Matthew T. Grady, Manager of MTS



R.W. GILLESPIE & ASSOCIATES, INC

0557-020



GENERAL SHEET NOTES:

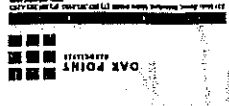
- REFER TO SHEET STAIR FOR INTERIOR CORNER/PLATE FRAMING.
- REFER TO SHEET 5-101 FOR BEAM BEARING PLATE SCHEDULE.
- TOP OF STEEL ELEVATION = 148.78' UNLESS NOTED OTHERWISE.
- COORDINATE STAIR STEEL STRONG CONNECTION PROVIDED BY STAIR FABRICATOR WITH WELDED LANDING BEAM.

KEYNOTES: (THIS SHEET ONLY)

- △ 1'-0\"/>



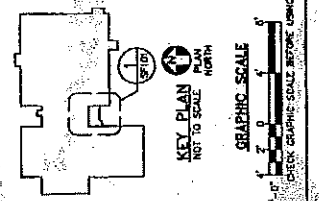
0557-020
 REICHE SCHOOL
 8/12/16
 MTC



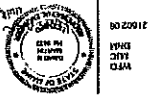
PROJECT: REICHE ELEMENTARY SCHOOL
 PORTLAND SCHOOL DEPARTMENT
 100 Portland Ave 04102
 PORTLAND, ME 04102

DATE: 08-25-2016
 SCALE: AS SHOWN
 DWG: SF101
 SHEET: 11 of 40

FLOOR FRAMING PLAN
 REICHE ELEMENTARY
 ELEVATOR ADDITION
 100 Portland Ave 04102
 PORTLAND, ME 04102



1 FLOOR FRAMING PLAN
 SCALE: 1/4\"/>

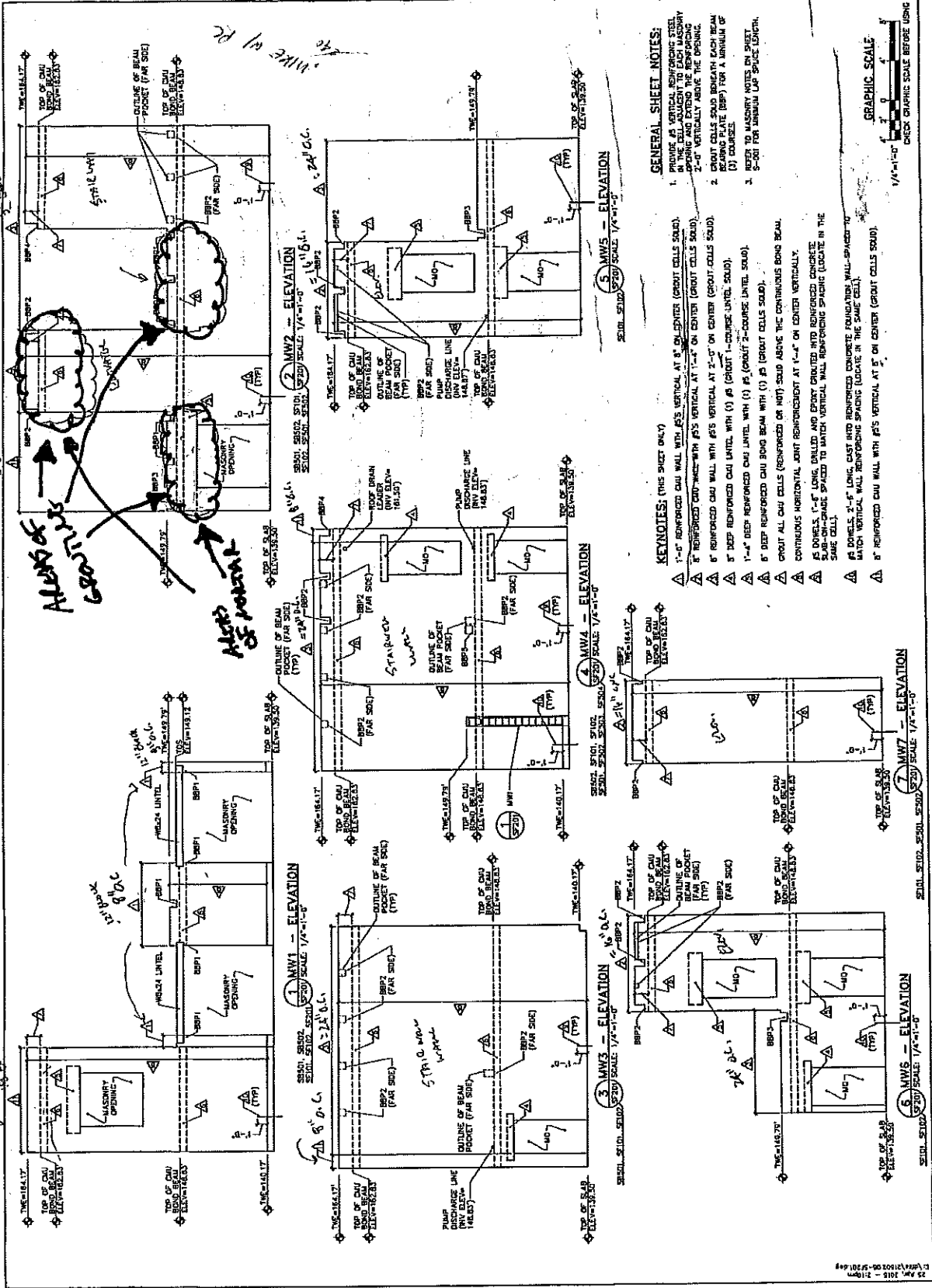


REICHE ELEMENTARY SCHOOL
 PORTLAND SCHOOL DEPARTMENT
 333 Commercial Avenue
 Portland, ME 04102

REICHE ELEMENTARY
 ELEVATOR ADDITION
 108 Brooks Street
 Portland, ME 04102

MASONRY
 WALL
 ELEVATIONS

SCALE: AS NOTED
 DATE: 04-25-16
 DWG: SF201
 SHEET: 13 of 40



GENERAL SHEET NOTES:
 1. ALL MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE (IBC) AND THE 2012 INTERNATIONAL MASONRY CODE (IMC).
 2. REINFORCED CONCRETE SHALL BE CAST INTO REINFORCED CONCRETE FORMWORK (RCF) FOR A MINIMUM OF 2'-0" VERTICALLY ABOVE THE FINISH GRADE.
 3. REINFORCED CONCRETE SHALL BE CAST INTO REINFORCED CONCRETE FORMWORK (RCF) FOR A MINIMUM OF 2'-0" VERTICALLY ABOVE THE FINISH GRADE.

KEYNOTES (THIS SHEET ONLY)
 ▲ 1'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 8" ON CENTER (GROUT CELLS SAID).
 ▲ 2'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 16" ON CENTER (GROUT CELLS SAID).
 ▲ 3'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 24" ON CENTER (GROUT CELLS SAID).
 ▲ 4'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 32" ON CENTER (GROUT CELLS SAID).
 ▲ 5'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 40" ON CENTER (GROUT CELLS SAID).
 ▲ 6'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 48" ON CENTER (GROUT CELLS SAID).
 ▲ 7'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 56" ON CENTER (GROUT CELLS SAID).
 ▲ 8'-0" REINFORCED CMU WALL WITH #5'S VERTICAL AT 64" ON CENTER (GROUT CELLS SAID).

GRAPHIC SCALE
 1/4" = 1'-0"
 CHECK DRAWING SCALE BEFORE USING

0557-020
 REICHE SCHOOL
 8/12/16
 MTD



R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
177 Shattuck Way, Suite 1 West, Newington NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date: September 29, 2016	Project No.: 0557-020
Attention: David Onos (onosda@portlandschools.org)	
Re: Concrete Testing Reiche School Elevator Addition Portland, Maine	

We are sending you attached Concrete Cylinder Test Results:	
Cylinder No. (s)	Age (Days)
84771	28
84772	28
84773	28

Remarks:

Copy to:

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

R.W. GILLESPIE & ASSOCIATES
CONCRETE TEST/PLACEMENT REPORT

Project Name:	Reiche School Elevator Addition	Date Cylinders Cast:	Friday, August 26, 2016
Project No:	0557-020	Concrete Supplier:	Auburn Concrete
Client:	City of Portland	Design Strength:	4000 psi
Weather Conditions:	Rain	Max. Aggregate Size:	3/4 inch
Placement Method:	Rear Discharge	Admixtures:	MasterAir AE 200 Master Glenium

Placement Location:
 Ext. slabs for doorway and elev. Slab

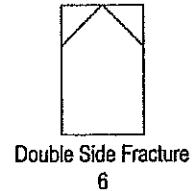
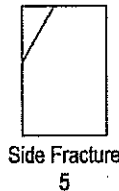
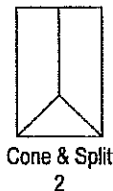
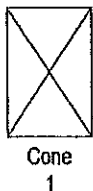
Test Cylinder Location:
 slab leading into doorway

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete		Date Report Issued:	
Load Number:	1 of 1	Number of 4x8 Cylinders:	4
Ticket Number:	294831	Cast By:	Patrick J. Roma
Truck Number:	118	Slump:	ASTM C 143 5.00 in.
Cubic Yards:	8	Air Temperature:	73 °F
Total Yardage:	8	Concrete Temperature:	ASTM C1064 80 °F
Total Time (minutes):	85	Air Content:	ASTM C 231 5.5 %

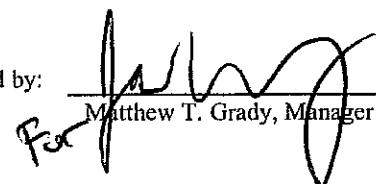
Specimen Storage ASTM C 31
 Field Cure Days: 1
 Date Received: 8/27/2016
 Condition of Cylinders: Good
 Curing Temperatures: 71 °F to 86 °F

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84770	9/2/2016	4.00	12.57	7	53590	4260	2
84771	9/23/2016	4.02	12.68	28	65920	5200	5
84772	9/23/2016	4.02	12.68	28	62470	4930	5
84773	9/23/2016	4.02	12.68	28	61950	4890	5



Remarks:

Checked by: 
 Matthew T. Grady, Manager of MTS



R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
177 Shattuck Way, Suite 1 West, Newington NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date:	October 26, 2016	Project No.:	0557-020
Attention:	David Onos (onosda@portlandschools.org)		
Re:	Concrete Testing Reiche School Elevator Addition Portland, Maine		

We are sending you attached Concrete Cylinder Test Results	
Cylinder No. (s)	Age (Days)
85438	30
85439	30
85440	30

Remarks:

Copy to:

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

R. W. GILLESPIE & ASSOCIATES
CONCRETE TEST/PLACEMENT REPORT

1 of 1

Project Name:	Reiche School Elevator Addition	Date Cylinders Cast:	Saturday, September 24, 2016
Project No:	0557-020	Concrete Supplier:	Auburn Concrete
Client:	City of Portland	Design Strength:	4000 psi
Weather Conditions:	Sunny	Max. Aggregate Size:	3/8 inch
Placement Method:	Pump	Admixtures:	MRWR, Masterset FP20 1%

Placement Location:
 2nd Floor Slab on Deck, topping into existing school

Test Cylinder Location:
 Line C.5/7

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 1	Number of 4x8 Cylinders:	4
Ticket Number:	277738	Cast By:	Joshua R. Fancy
Truck Number:	157	Slump:	ASTM C 143 6.00 in.
Cubic Yards:	11	Air Temperature:	53 °F
Total Yardage:	11	Concrete Temperature:	ASTM C1064 71 °F
Total Time (minutes):	109	Air Content:	ASTM C 231 2.8 %

Specimen Storage ASTM C 31

Field Cure Days: 3
 Date Received: 9/27/2016
 Condition of Cylinders: Good

ASTM C 39, ASTM C1231 (ASTM C617 if noted)

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
85437	10/3/2016	4.01	12.63	9	69885	5530	5
85438	10/24/2016	3.99	12.49	30	77460	6200	2
85439	10/24/2016	3.99	12.49	30	77755	6220	2
85440	10/24/2016	3.99	12.49	30	77150	6180	2



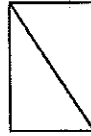
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Remarks:

Checked by:

Matthew T. Grady
 Matthew T. Grady, Manager of MTS



R. W. GILLESPIE & ASSOCIATES, INC

86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 177 Shattuck Way, Suite 1 West, Newington, NH 03801, 603-427-0244

Reid School 0557-080
 9/24/16 JRF

GENERAL SHEET NOTES:

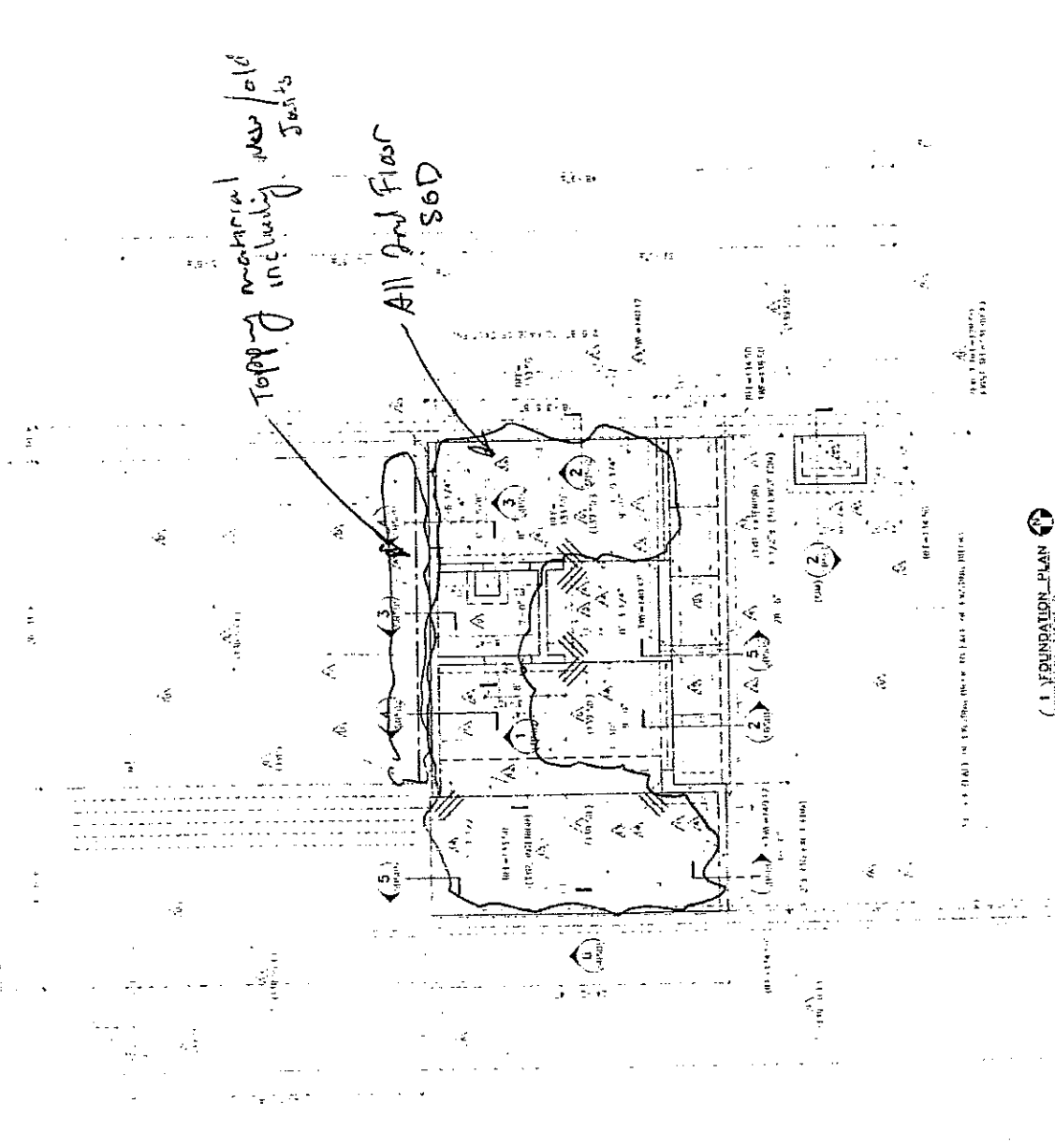
- REFER TO THESE PLANS FOR ALL DIMENSIONS AND ELEVATIONS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.

EXISTING KEYNOYS:

1. ALL EXISTING KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
2. ALL EXISTING KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
3. ALL EXISTING KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
4. ALL EXISTING KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
5. ALL EXISTING KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
6. ALL EXISTING KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.

KEYNOTES:

1. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
2. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
3. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
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7. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
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16. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
17. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
18. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
19. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.
20. ALL NEW KEYNOYS SHALL BE REINFORCED WITH #4 BARS AT 12" ON CENTER.



KEY PLAN
 1/2" = 1'-0"
GRAPHIC SCALE

(1) FOUNDATION PLAN

R.W. GILLESPIE & ASSOCIATES, INC.
 Geotechnical Engineering • Geohydrology • Materials Testing Services

177 Shattuck Way, Suite 1 West
 Newington, NH 03801
 603-427-0244 • Fax 603-430-2041



Corporate Office
 86 Industrial Park Rd, Ste. 4
 Saco, ME 04072
 207-286-8008 • Fax 207-286-2882

CONCRETE REINFORCING STEEL OBSERVATION REPORT

Project Name: Relche School Date: 7-7-16

Client/Project #: City of Portland / D557-02a Time: 6:15

General Contractor: City of Portland Weather: overcast

Approved Documents Referenced: OAK Point Associates / 4-26-2016

Document Sheets/Details Referenced: SB502

Placement Location: line D Sealing & Elevator Addition Footing

ITEMS CHECKED

Item	In Accordance With Documents	Not In Accordance With Documents	Not Applicable
Bar Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Grade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spacing Before & After Concrete Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End & Side Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Top & Bottom Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assure Bars are Clean and Free of Dirt, Oil, Rust, Paint, Etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Junctions are Adequately Tied	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placement & Adequacy of supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical Embedment to Assure Proper Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal Bars for Minimum Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

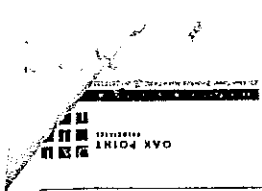
Other: _____

David Onos, with the city of Portland Pat Roman

Observations were verbally reported to

Construction Technologist

Print Name/Title



DESIGNED BY: J.M. D'AMICO
 CHECKED BY: J.M. D'AMICO
 PROJECT: 2162296

REICHE ELEMENTARY SCHOOL
 PORTLAND SCHOOL DEPARTMENT
 155 DORCHESTER AVENUE
 PORTLAND, MA 04102

REICHE ELEMENTARY
 ELEVATOR ADDITION
 155 DORCHESTER AVENUE
 PORTLAND, MA 04102

FOUNDATION
 PLAN

SCALE: AS NOTED
 DATE: 04-26-2011
 DWG. NO: SB101
 SHEET 3 OF 40

GENERAL SHEET NOTES:

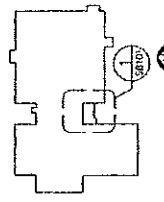
- REFER TO DETAIL 1/2"=1'-0" FOR INTERIOR CORRIDOR/WALL FRAMING PROVIDE CONCRETE NON-SKIDING PAD IN ELEVATOR MACHINE ROOM IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS. REFER TO DETAIL 6/28/02.
-

EXISTING KEYNOTES: (THIS SHEET ONLY)

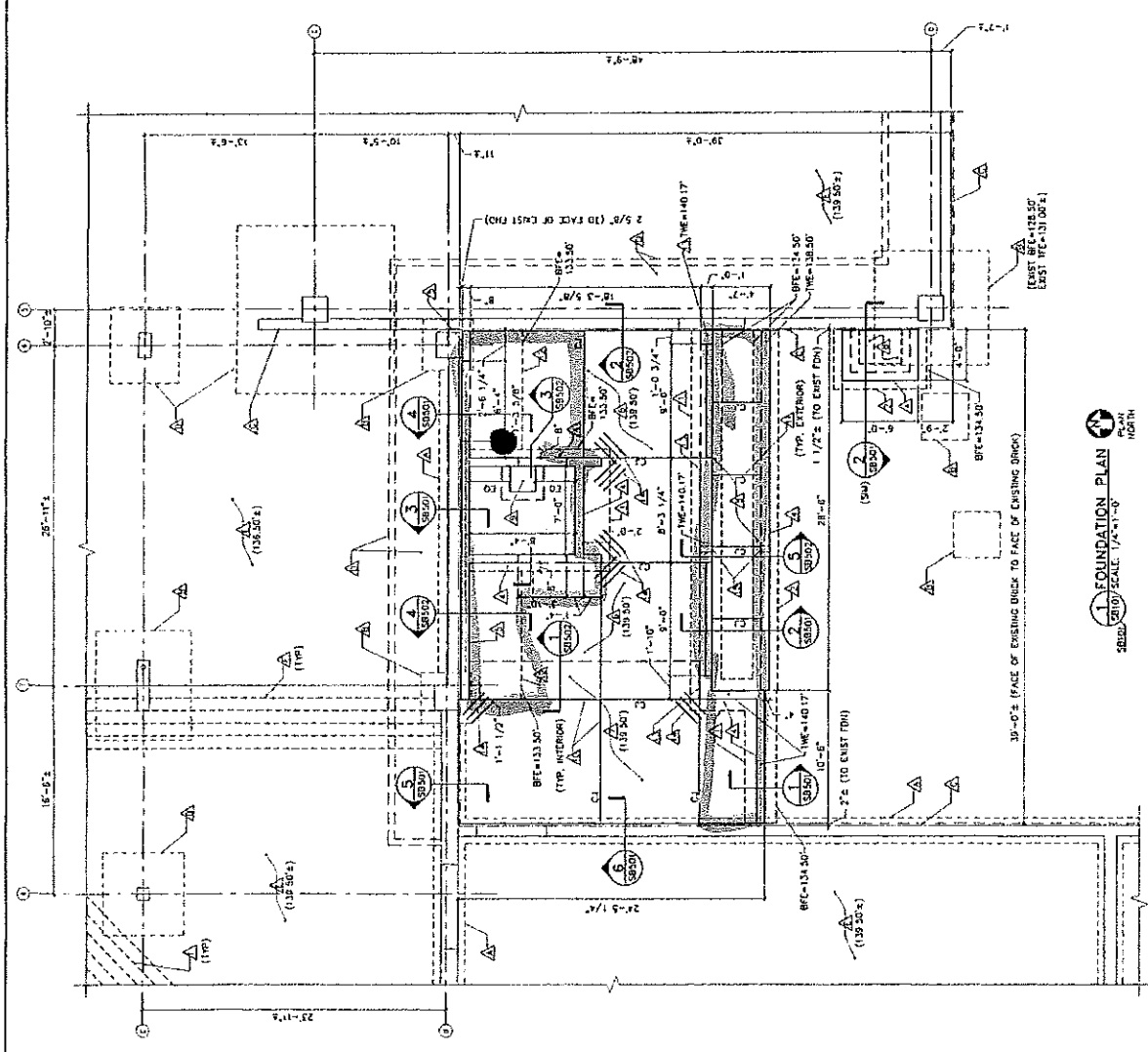
- △ EXISTING CONTINUOUS 1'-0" x 2'-0" REINFORCED CONCRETE FOOTING
- △ EXISTING REINFORCED CONCRETE COLUMN FOOTING (SEES 1/4/1)
- △ EXISTING REINFORCED CONCRETE FOUNDATION WALLS
- △ EXISTING REINFORCED CONCRETE TRENCH BELOW SLAB-ON-GRADE
- △ EXISTING 4" THICK REINFORCED CONCRETE SLAB-ON-GRADE, TOP OF SLAB ELEVATION AS NOTED WITH KEYNOTE.
- △ EXISTING REINFORCED CONCRETE STAMPS

KEYNOTES: (THIS SHEET ONLY)

- △ 1'-0" x 2'-6" CONTINUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" x 2'-0" THICK REINFORCED CONCRETE FOOTING, 0'-6" CENTER EACH WAY
- △ 8" REINFORCED CONCRETE FOUNDATION WALL
- △ 8" REINFORCED CONCRETE RETAINING WALL
- △ 6" THICK REINFORCED CONCRETE SLAB-ON-GRADE
- △ 1'-2" THICK REINFORCED CONCRETE SLAB-ON-GRADE WITH BROOM FINISH
- △ 8" THICK REINFORCED CONCRETE SLAB-ON-GRADE WITH BROOM FINISH
- △ 2'-0" x 2'-0" x 2'-0" SUMP PIT WITH 1" GALVANIZED STEEL DRAINING COVER.
- △ 1/8" WIDE x 2" DEEP SAWCUT CONTROL JOINT
- △ 1/8" WIDE x 1-1/2" DEEP SAWCUT CONTROL JOINT
- △ 1'-0" x 5'-0" CONTINUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" REINFORCED CONCRETE FOUNDATION WALL
- △ (3) #5 BARS, 7'-0" LONG, SPACED 8" ON-CENTER LOCATED 8" FROM EDGE OF RE-ENTRANT CORNER.
- △ PIPE SLEEVE OR CORE DRILL LOCATION FOR 6" DIAMETER STORM DRAIN LINE. COORDINATE LOCATION AND ELEVATION WITH SHEETS 10/1 AND 10-101.



KEY PLAN
 NOT TO SCALE
 NORTH



FOUNDATION PLAN
 SCALE: 1/4"=1'-0"
 NORTH

- Placement
 ● - cylinders

PROJECT: REICHE SCHOOL ELEVATOR ADDITION

#: 0557-020

DATE: 7-7-16

DRG: PSR

R.W. GILLESPIE & ASSOCIATES, INC.
 Geotechnical Engineering • Geohydrology • Materials Testing Services

177 Shattuck Way, Suite 1 West
 Newington, NH 03801
 603-427-0244 • Fax 603-430-2041



Corporate Office
 86 Industrial Park Rd, Ste. 4
 Saco, ME 04072
 207-286-8008 • Fax 207-286-2882

CONCRETE REINFORCING STEEL OBSERVATION REPORT

Project Name: Reiche School Date: 7-11-16

Client/Project #: City of Portland / 557-020 Time: 11:30

General Contractor: City of Portland Weather: Sunny

Approved Documents Referenced: GAR Paul Associates / 4-26-2016

Document Sheets/Details Referenced: SB500

Placement Location: line D & Elevator walls

ITEMS CHECKED

Item	In Accordance With Documents	Not In Accordance With Documents	Not Applicable
Bar Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Grade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spacing Before & After Concrete Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End & Side Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Top & Bottom Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assure Bars are Clean and Free of Dirt, Oil, Rust, Paint, Etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Junctions are Adequately Tied	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placement & Adequacy of supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical Embedment to Assure Proper Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal Bars for Minimum Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other: _____

David Onas, with the city of portland
 Observations were verbally reported to

Patrick Rano
 Construction Technologist

Patrick Rano / Tech
 Print Name/Title



PROJECT: REICHE ELEMENTARY SCHOOL
 DRAWN BY: WFO
 CHECKED BY: DMC
 DESIGNED BY: WFO

REICHE ELEMENTARY SCHOOL
 PORTLAND SCHOOL DEPARTMENT
 155 Columbia Street
 PORTLAND, OR 97203

REICHE ELEMENTARY
 ELEVATOR ADDITION
 PROJECT NO. 0557-020

FOUNDATION
 PLAN

SCALE: AS SHOWN
 DATE: 04-26-2010
 DWG: SB101
 SHEET: 8 OF 40

GENERAL SHEET NOTES:

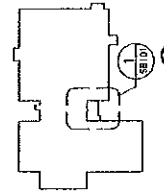
- REFER TO DETAIL 1/2"X4" FOR INTERIOR CORNER/CHAMP FRAMING PROVIDE CONCRETE HOUSEKEEPING PAD IN ELEVATOR MACHINE ROOM IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS. REFER TO DETAIL 5/28502.

EXISTING KEYNOTES: (THIS SHEET ONLY)

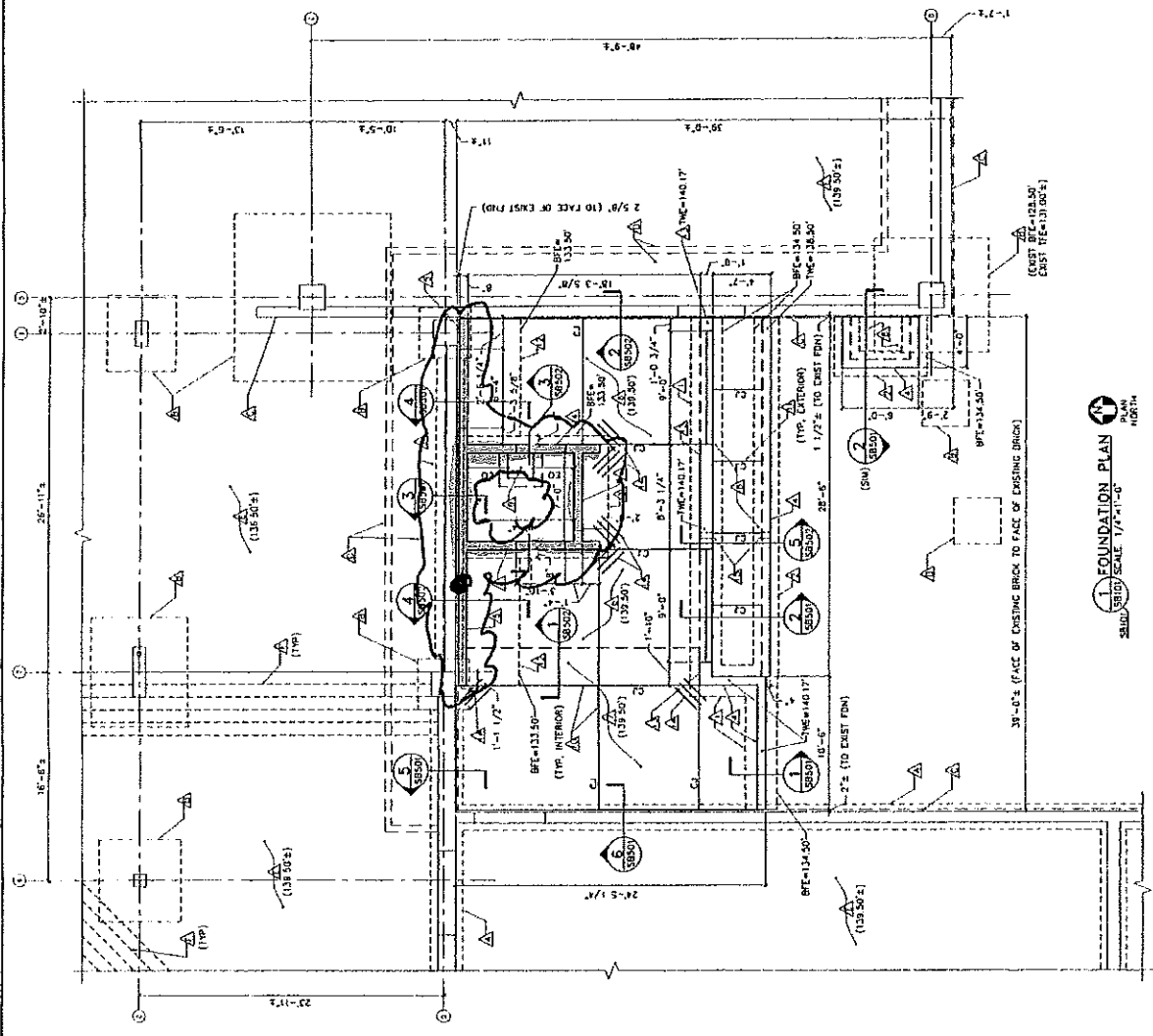
- △ EXISTING CONTINUOUS 1'-0" x 2'-0" REINFORCED CONCRETE FOOTING.
- △ EXISTING REINFORCED CONCRETE COLUMN FOOTING (SIZES VARY).
- △ EXISTING REINFORCED CONCRETE FOUNDATION WALLS.
- △ EXISTING REINFORCED CONCRETE THICK BELOW SLAB-ON-GRADE.
- △ EXISTING 12" THICK REINFORCED CONCRETE SLAB-ON-GRADE TOP OF SLAB ELEVATION AS INDICATED BY KEYNOTE.
- △ EXISTING REINFORCED CONCRETE STAIRS.

KEYNOTES: (THIS SHEET ONLY)

- △ 1'-0" x 2'-0" CONTINUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" x 2'-0" CONTINUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" THICK REINFORCED CONCRETE FOOTING WITH #5'S AT 1'-0" ON-CENTER EACH WAY
- △ 8" REINFORCED CONCRETE FOUNDATION WALL
- △ 8" REINFORCED CONCRETE RETAINING WALL
- △ 8" THICK REINFORCED CONCRETE SLAB-ON-GRADE.
- △ 1'-2" THICK REINFORCED CONCRETE SLAB-ON-GRADE WITH BROOM FINISH TOP SURFACE.
- △ 2'-0" x 2'-0" x 2'-0" SUMP PIT WITH 1" GALVANIZED STEEL CHAIRS.
- △ 1/8" WIDE x 2" DEEP SAWNOUT CONTROL JOINT.
- △ 1/8" WIDE x 1-1/2" DEEP SAWNOUT CONTROL JOINT.
- △ 1'-0" x 3'-0" CONTINUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" REINFORCED CONCRETE FOUNDATION WALL
- △ 13" x 13" SQUARE 4" x 4" LONG SPACED 8" ON-CENTER LOCATED 8" FROM EDGE OF REINFORCED CONCRETE.
- △ SEE SHEETS SB 085, SB 090, SB 091, SB 092, SB 093, SB 094, SB 095, SB 096, SB 097, SB 098, SB 099, SB 100, SB 101, SB 102, SB 103, SB 104, SB 105, SB 106, SB 107, SB 108, SB 109, SB 110, SB 111, SB 112, SB 113, SB 114, SB 115, SB 116, SB 117, SB 118, SB 119, SB 120, SB 121, SB 122, SB 123, SB 124, SB 125, SB 126, SB 127, SB 128, SB 129, SB 130, SB 131, SB 132, SB 133, SB 134, SB 135, SB 136, SB 137, SB 138, SB 139, SB 140, SB 141, SB 142, SB 143, SB 144, SB 145, SB 146, SB 147, SB 148, SB 149, SB 150, SB 151, SB 152, SB 153, SB 154, SB 155, SB 156, SB 157, SB 158, SB 159, SB 160, SB 161, SB 162, SB 163, SB 164, SB 165, SB 166, SB 167, SB 168, SB 169, SB 170, SB 171, SB 172, SB 173, SB 174, SB 175, SB 176, SB 177, SB 178, SB 179, SB 180, SB 181, SB 182, SB 183, SB 184, SB 185, SB 186, SB 187, SB 188, SB 189, SB 190, SB 191, SB 192, SB 193, SB 194, SB 195, SB 196, SB 197, SB 198, SB 199, SB 200, SB 201, SB 202, SB 203, SB 204, SB 205, SB 206, SB 207, SB 208, SB 209, SB 210, SB 211, SB 212, SB 213, SB 214, SB 215, SB 216, SB 217, SB 218, SB 219, SB 220, SB 221, SB 222, SB 223, SB 224, SB 225, SB 226, SB 227, SB 228, SB 229, SB 230, SB 231, SB 232, SB 233, SB 234, SB 235, SB 236, SB 237, SB 238, SB 239, SB 240, SB 241, SB 242, SB 243, SB 244, SB 245, SB 246, SB 247, SB 248, SB 249, SB 250, SB 251, SB 252, SB 253, SB 254, SB 255, SB 256, SB 257, SB 258, SB 259, SB 260, SB 261, SB 262, SB 263, SB 264, SB 265, SB 266, SB 267, SB 268, SB 269, SB 270, SB 271, SB 272, SB 273, SB 274, SB 275, SB 276, SB 277, SB 278, SB 279, SB 280, SB 281, SB 282, SB 283, SB 284, SB 285, SB 286, SB 287, SB 288, SB 289, SB 290, SB 291, SB 292, SB 293, SB 294, SB 295, SB 296, SB 297, SB 298, SB 299, SB 300, SB 301, SB 302, SB 303, SB 304, SB 305, SB 306, SB 307, SB 308, SB 309, SB 310, SB 311, SB 312, SB 313, SB 314, SB 315, SB 316, SB 317, SB 318, SB 319, SB 320, SB 321, SB 322, SB 323, SB 324, SB 325, SB 326, SB 327, SB 328, SB 329, SB 330, SB 331, SB 332, SB 333, SB 334, SB 335, SB 336, SB 337, SB 338, SB 339, SB 340, SB 341, SB 342, SB 343, SB 344, SB 345, SB 346, SB 347, SB 348, SB 349, SB 350, SB 351, SB 352, SB 353, SB 354, SB 355, SB 356, SB 357, SB 358, SB 359, SB 360, SB 361, SB 362, SB 363, SB 364, SB 365, SB 366, SB 367, SB 368, SB 369, SB 370, SB 371, SB 372, SB 373, SB 374, SB 375, SB 376, SB 377, SB 378, SB 379, SB 380, SB 381, SB 382, SB 383, SB 384, SB 385, SB 386, SB 387, SB 388, SB 389, SB 390, SB 391, SB 392, SB 393, SB 394, SB 395, SB 396, SB 397, SB 398, SB 399, SB 400, SB 401, SB 402, SB 403, SB 404, SB 405, SB 406, SB 407, SB 408, SB 409, SB 410, SB 411, SB 412, SB 413, SB 414, SB 415, SB 416, SB 417, SB 418, SB 419, SB 420, SB 421, SB 422, SB 423, SB 424, SB 425, SB 426, SB 427, SB 428, SB 429, SB 430, SB 431, SB 432, SB 433, SB 434, SB 435, SB 436, SB 437, SB 438, SB 439, SB 440, SB 441, SB 442, SB 443, SB 444, SB 445, SB 446, SB 447, SB 448, SB 449, SB 450, SB 451, SB 452, SB 453, SB 454, SB 455, SB 456, SB 457, SB 458, SB 459, SB 460, SB 461, SB 462, SB 463, SB 464, SB 465, SB 466, SB 467, SB 468, SB 469, SB 470, SB 471, SB 472, SB 473, SB 474, SB 475, SB 476, SB 477, SB 478, SB 479, SB 480, SB 481, SB 482, SB 483, SB 484, SB 485, SB 486, SB 487, SB 488, SB 489, SB 490, SB 491, SB 492, SB 493, SB 494, SB 495, SB 496, SB 497, SB 498, SB 499, SB 500, SB 501, SB 502, SB 503, SB 504, SB 505, SB 506, SB 507, SB 508, SB 509, SB 510, SB 511, SB 512, SB 513, SB 514, SB 515, SB 516, SB 517, SB 518, SB 519, SB 520, SB 521, SB 522, SB 523, SB 524, SB 525, SB 526, SB 527, SB 528, SB 529, SB 530, SB 531, SB 532, SB 533, SB 534, SB 535, SB 536, SB 537, SB 538, SB 539, SB 540, SB 541, SB 542, SB 543, SB 544, SB 545, SB 546, SB 547, SB 548, SB 549, SB 550, SB 551, SB 552, SB 553, SB 554, SB 555, SB 556, SB 557, SB 558, SB 559, SB 560, SB 561, SB 562, SB 563, SB 564, SB 565, SB 566, SB 567, SB 568, SB 569, SB 570, SB 571, SB 572, SB 573, SB 574, SB 575, SB 576, SB 577, SB 578, SB 579, SB 580, SB 581, SB 582, SB 583, SB 584, SB 585, SB 586, SB 587, SB 588, SB 589, SB 590, SB 591, SB 592, SB 593, SB 594, SB 595, SB 596, SB 597, SB 598, SB 599, SB 600, SB 601, SB 602, SB 603, SB 604, SB 605, SB 606, SB 607, SB 608, SB 609, SB 610, SB 611, SB 612, SB 613, SB 614, SB 615, SB 616, SB 617, SB 618, SB 619, SB 620, SB 621, SB 622, SB 623, SB 624, SB 625, SB 626, SB 627, SB 628, SB 629, SB 630, SB 631, SB 632, SB 633, SB 634, SB 635, SB 636, SB 637, SB 638, SB 639, SB 640, SB 641, SB 642, SB 643, SB 644, SB 645, SB 646, SB 647, SB 648, SB 649, SB 650, SB 651, SB 652, SB 653, SB 654, SB 655, SB 656, SB 657, SB 658, SB 659, SB 660, SB 661, SB 662, SB 663, SB 664, SB 665, SB 666, SB 667, SB 668, SB 669, SB 670, SB 671, SB 672, SB 673, SB 674, SB 675, SB 676, SB 677, SB 678, SB 679, SB 680, SB 681, SB 682, SB 683, SB 684, SB 685, SB 686, SB 687, SB 688, SB 689, SB 690, SB 691, SB 692, SB 693, SB 694, SB 695, SB 696, SB 697, SB 698, SB 699, SB 700, SB 701, SB 702, SB 703, SB 704, SB 705, SB 706, SB 707, SB 708, SB 709, SB 710, SB 711, SB 712, SB 713, SB 714, SB 715, SB 716, SB 717, SB 718, SB 719, SB 720, SB 721, SB 722, SB 723, SB 724, SB 725, SB 726, SB 727, SB 728, SB 729, SB 730, SB 731, SB 732, SB 733, SB 734, SB 735, SB 736, SB 737, SB 738, SB 739, SB 740, SB 741, SB 742, SB 743, SB 744, SB 745, SB 746, SB 747, SB 748, SB 749, SB 750, SB 751, SB 752, SB 753, SB 754, SB 755, SB 756, SB 757, SB 758, SB 759, SB 760, SB 761, SB 762, SB 763, SB 764, SB 765, SB 766, SB 767, SB 768, SB 769, SB 770, SB 771, SB 772, SB 773, SB 774, SB 775, SB 776, SB 777, SB 778, SB 779, SB 780, SB 781, SB 782, SB 783, SB 784, SB 785, SB 786, SB 787, SB 788, SB 789, SB 790, SB 791, SB 792, SB 793, SB 794, SB 795, SB 796, SB 797, SB 798, SB 799, SB 800, SB 801, SB 802, SB 803, SB 804, SB 805, SB 806, SB 807, SB 808, SB 809, SB 810, SB 811, SB 812, SB 813, SB 814, SB 815, SB 816, SB 817, SB 818, SB 819, SB 820, SB 821, SB 822, SB 823, SB 824, SB 825, SB 826, SB 827, SB 828, SB 829, SB 830, SB 831, SB 832, SB 833, SB 834, SB 835, SB 836, SB 837, SB 838, SB 839, SB 840, SB 841, SB 842, SB 843, SB 844, SB 845, SB 846, SB 847, SB 848, SB 849, SB 850, SB 851, SB 852, SB 853, SB 854, SB 855, SB 856, SB 857, SB 858, SB 859, SB 860, SB 861, SB 862, SB 863, SB 864, SB 865, SB 866, SB 867, SB 868, SB 869, SB 870, SB 871, SB 872, SB 873, SB 874, SB 875, SB 876, SB 877, SB 878, SB 879, SB 880, SB 881, SB 882, SB 883, SB 884, SB 885, SB 886, SB 887, SB 888, SB 889, SB 890, SB 891, SB 892, SB 893, SB 894, SB 895, SB 896, SB 897, SB 898, SB 899, SB 900, SB 901, SB 902, SB 903, SB 904, SB 905, SB 906, SB 907, SB 908, SB 909, SB 910, SB 911, SB 912, SB 913, SB 914, SB 915, SB 916, SB 917, SB 918, SB 919, SB 920, SB 921, SB 922, SB 923, SB 924, SB 925, SB 926, SB 927, SB 928, SB 929, SB 930, SB 931, SB 932, SB 933, SB 934, SB 935, SB 936, SB 937, SB 938, SB 939, SB 940, SB 941, SB 942, SB 943, SB 944, SB 945, SB 946, SB 947, SB 948, SB 949, SB 950, SB 951, SB 952, SB 953, SB 954, SB 955, SB 956, SB 957, SB 958, SB 959, SB 960, SB 961, SB 962, SB 963, SB 964, SB 965, SB 966, SB 967, SB 968, SB 969, SB 970, SB 971, SB 972, SB 973, SB 974, SB 975, SB 976, SB 977, SB 978, SB 979, SB 980, SB 981, SB 982, SB 983, SB 984, SB 985, SB 986, SB 987, SB 988, SB 989, SB 990, SB 991, SB 992, SB 993, SB 994, SB 995, SB 996, SB 997, SB 998, SB 999, SB 1000.



KEY PLAN
 PLAN
 NOT TO SCALE
 NORTH



FOUNDATION PLAN
 SCALE 1/4"=1'-0"
 NORTH

PROJECT: REICHE SCHOOL ELEVATOR ADDITION

#. 0557-020

DATE: 7-11-16

DRH: PSR

Placement
 Cylinders

R.W. GILLESPIE & ASSOCIATES, INC.
 Geotechnical Engineering • Geohydrology • Materials Testing Services

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 Newington, NH 03801
 603-427-0244 • Fax 603-430-2041



Corporate Office
 86 Industrial Park Rd, Ste. 4
 Saco, ME 04072
 207-286-8008 • Fax 207-286-2882

CONCRETE REINFORCING STEEL OBSERVATION REPORT

Project Name: Reiche School Elevator Addition Date: 7/20/2016
 Client/Project #: City of Portland / 0557-070 Time: 8:30
 General Contractor: City of Portland Weather: Sunny

Approved Documents Referenced: Reiche Elementary Elevator Addition 4/26/16
 Document Sheets/Details Referenced: Foundation Details 1
 Placement Location: Foundation Slab of Elevator Shaft

ITEMS CHECKED

Item	In Accordance With Documents	Not In Accordance With Documents	Not Applicable
Bar Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Grade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spacing Before & After Concrete Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End & Side Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Top & Bottom Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assure Bars are Clean and Free of Dirt, Oil, Rust, Paint, Etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Junctions are Adequately Tied	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placement & Adequacy of supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical Embedment to Assure Proper Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal Bars for Minimum Lap Length	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Other: All of the bars and spacings were in conformance with documents. A couple of the bars were not tied but the city of Portland super said they would tie them before the placement.

City of Portland Super.

Observations were verbally reported to

Andrew Flynn

Construction Technologist

Concrete Field Tech.

Print Name/Title



PROJECT: 2102 06
 DESIGNED BY: WFO
 CHECKED BY: DLK
 DATE: 04/20/16

REICHEL ELEMENTARY SCHOOL
 353 COLUMBIA AVENUE
 PORTLAND, OR 97202

REICHEL ELEMENTARY
 ELEVATOR ADDITION
 150 BRADLEY STREET
 PORTLAND, OR 97202

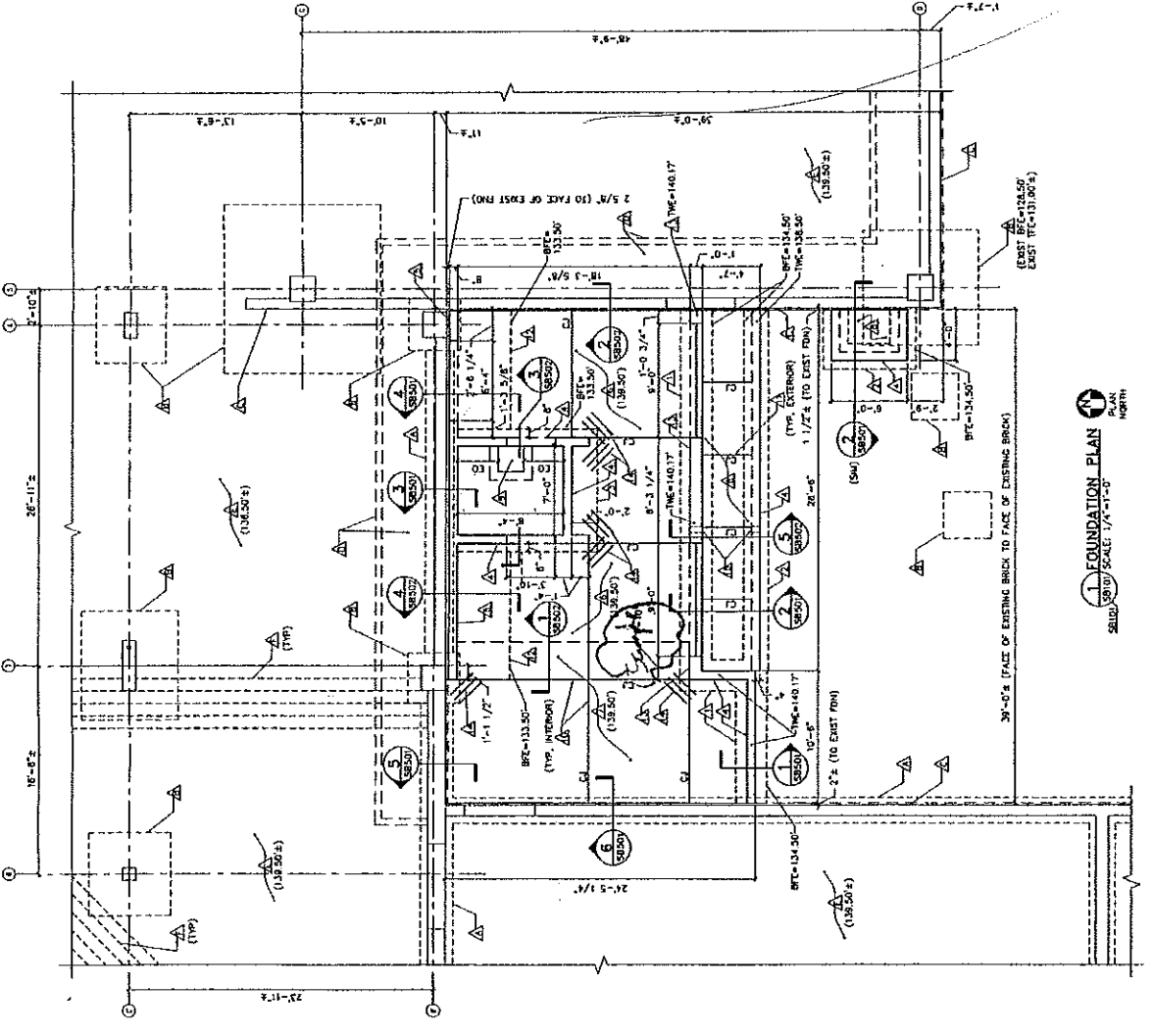
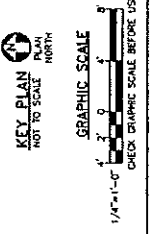
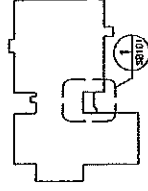
FOUNDATION PLAN

SCALE: AS NOTED
 DATE: 04-20-16
 PNL: SB101
 SHEET: 8 OF 40

GENERAL SHEET NOTES:
 1. REFER TO DETAIL 1/5/16 FOR INTERIOR CORNER/CLAMP FRAMING.
 2. PROVIDE CONCRETE REINFORCING SLAB IN ELEVATOR MACHINE ROOM IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS. REFER TO DETAIL 6/28/10.

EXISTING KEYNOTES: (THIS SHEET ONLY)
 △ EXISTING CONTINUOUS 1'-0" x 2'-0" REINFORCED CONCRETE FOOTING.
 △ EXISTING REINFORCED CONCRETE CORNER FOOTING (SIZES VARY).
 △ EXISTING REINFORCED CONCRETE FOUNDATION WALLS.
 △ EXISTING REINFORCED CONCRETE TIEHOLD BELOW SLAB-ON-GRADE. TOP OF SLAB ELEVATION AS NOTED WITH KEYNOTES.
 △ EXISTING REINFORCED CONCRETE STAIRS.

KEYNOTES: (THIS SHEET ONLY)
 △ 1'-0" x 2'-0" CONTINUOUS REINFORCED CONCRETE FOOTING.
 △ 1'-0" x 2'-0" CONTINUOUS REINFORCED CONCRETE FOOTING.
 △ 1'-0" THICK REINFORCED CONCRETE FOOTING WITH #5 AT 1'-0" ON-CENTER EACH WAY.
 △ 8" REINFORCED CONCRETE FOUNDATION WALL.
 △ 8" REINFORCED CONCRETE RETAINING WALL.
 △ 8" THICK REINFORCED CONCRETE SLAB-ON-GRADE.
 △ 1'-2" THICK REINFORCED CONCRETE SLAB-ON-GRADE.
 △ 8" THICK REINFORCED CONCRETE SLAB-ON-GRADE WITH BROOM FINISH.
 △ 3'-0" x 2'-0" x 2'-0" SUMP PIT WITH 1" GALVANIZED STEEL GRATING COVER.
 △ 1/8" WIDE x 2" DEEP SAWCUT CONTROL JOINT.
 △ 1/8" WIDE x 1-1/2" DEEP SAWCUT CONTROL JOINT.
 △ 1'-0" x 5'-0" CONTINUOUS REINFORCED CONCRETE FOOTING.
 △ 1'-0" REINFORCED CONCRETE FOUNDATION WALL.
 △ (3) #4 BOWELS, 2'-4" LONG, SPACED 8" ON-CENTER LOCATED 8" FROM PERI-METER OF CORE DRILL LOCATION FOR 6" DIAMETER STORM DRAIN PIPE. SLEEVE OF CORE DRILL LOCATION FOR 6" DIAMETER STORM DRAIN PIPE. SLEEVE OF CORE DRILL LOCATION AND ELEVATION WITH SHEETS CS01 AND P-101.



PROJECT: REICHEL SCHOOL ELEVATOR ADDITION
 #: 0557-020
 DATE: 7/20/16
 DCH: ALF

R.W. GILLESPIE & ASSOCIATES, INC.
Geotechnical Engineering • Geohydrology • Materials Testing Services

177 Shattuck Way, Suite 1 West
Newington, NH 03801
603-427-0244 • Fax 603-430-2041



Corporate Office
86 Industrial Park Rd, Ste. 4
Saco, ME 04072
207-286-8008 • Fax 207-286-2882

CHECKLIST FOR CONCRETE MASONRY UNIT BLOCK WALLS

Project Name: Rich. School Elevation Date: 7/29/16
Project Location: Portland Maine Placement Location: First 4' of CMU walls
Client/Project #: City of Portland
Approved Documents Referenced: Oak Point "Rich. Elementary School" plans 4/26/16

Document Sheets/Details Referenced: SF101, S-001, SB 501

PRE-PLACEMENT

Cell Rebar (Vertical cells) N/A
 Size
 Spacing
 Laps
 Proper Position in Cells

Bond Beam Rebar N/A
 Size
 Quantity
 Laps

Corner Rebar N/A
 Size
 Quantity
 Laps

Rebar at End of Walls / Door Jam N/A
 Size
 Quantity

PLACEMENT

Yes / No Rebar Centered
Yes / No Vibration
Yes / No High Lift Grouting Clean-outs

All observations were found to be in general conformance with project plan.

Comments: _____

Technician: Joshua Fancy Checked by: _____

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 Geotechnical Engineering • Geohydrology • Materials Testing Services

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 Saco, ME 04072
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CONCRETE REINFORCING STEEL OBSERVATION REPORT

Project Name: Reiche School Date: 8-26-16

Client/Project #: City of Portland / 0557-028 Time: 11:45

General Contractor: _____ Weather: Rain

Approved Documents Referenced: Oak Point Associates / 4-26-16

Document Sheets/Details Referenced: SD507

Placement Location: Exterior Downway slabs

ITEMS CHECKED

Item	In Accordance With Documents	Not In Accordance With Documents	Not Applicable
Bar Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Grade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spacing Before & After Concrete Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End & Side Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Top & Bottom Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assure Bars are Clean and Free of Dirt, Oil, Rust, Paint, Etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Junctions are Adequately Tied	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placement & Adequacy of supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical Embedment to Assure Proper Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal Bars for Minimum Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other: _____

Dave ones

Observations were verbally reported to

Patricia De

Construction Technologist

Pat Rann / Tech

Print Name/Title



DESIGNED BY: [Name]
CHECKED BY: [Name]
PROJECT: [Name]
DATE: [Date]

REICHE ELEMENTARY SCHOOL
PORTLAND SCHOOL DEPARTMENT
12345 SW 12th St
PORTLAND, OR 97204

REICHE ELEMENTARY
ELEVATOR ADDITION
PROJECT NO. 0557-020
DATE: 8-26-16

FOUNDATION
PLAN

SCALE: AS SHOWN
DATE: 08-26-2016

DWG: SB101
SHEET: 8 of 40

GENERAL SHEET NOTES:

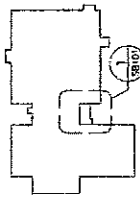
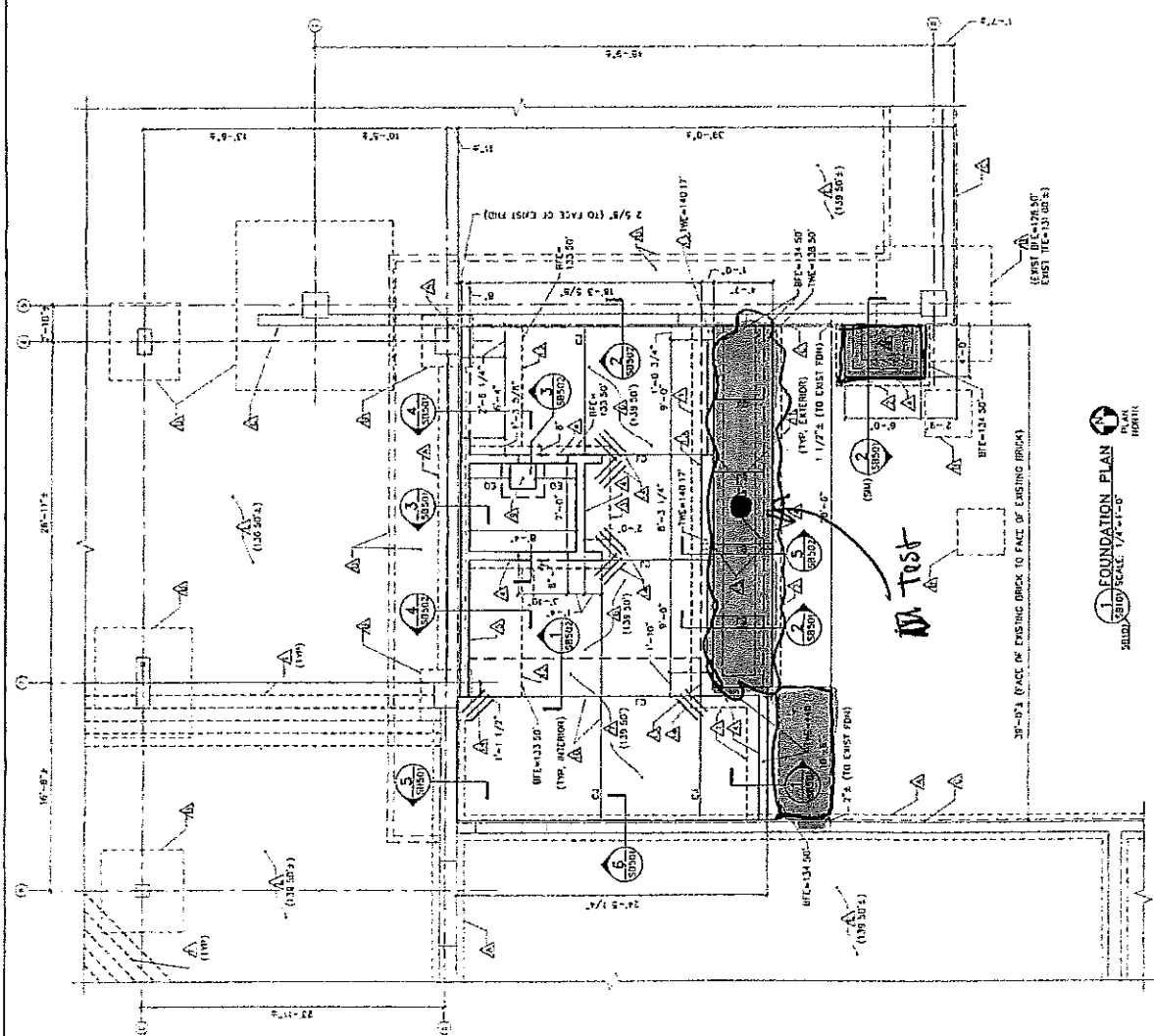
- 1 REFER TO DETAIL 1/25-01 FOR INTERIOR CORNER/END FRAMING.
- 2 PROVIDE CONCRETE UNDERPINNING PAD IN ELEVATOR MACHINE ROOM IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. REFER TO DETAIL 6/20-02.

EXISTING KEYNOTES: (THIS SHEET ONLY)

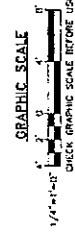
- △ EXISTING CONTIGUOUS 1'-0" x 2'-0" REINFORCED CONCRETE FOOTING
- △ EXISTING REINFORCED CONCRETE COLUMN FOOTING (SIZES VARY)
- △ EXISTING REINFORCED CONCRETE FOUNDATION WALLS
- △ EXISTING REINFORCED CONCRETE RETAIN WALL BELOW SLAB-ON-GRADE
- △ EXISTING #3 THICK REINFORCED CONCRETE SLAB-ON-GRADE TOP OF SLAB ELEVATION AS NOTED WITH KEYNOTE
- △ EXISTING REINFORCED CONCRETE STAIRS

KEYNOTES: (THIS SHEET ONLY)

- △ 1'-0" x 2'-0" CONTIGUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" x 2'-0" CONTIGUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" THICK REINFORCED CONCRETE FOOTING WITH #3'S AT 1'-0" ON-CENTER EACH WAY
- △ 8" REINFORCED CONCRETE FOUNDATION WALL
- △ 8" REINFORCED CONCRETE RETAINING WALL
- △ 8" THICK REINFORCED CONCRETE SLAB-ON-GRADE
- △ 1'-2" THICK REINFORCED CONCRETE SLAB-ON-GRADE WITH BRASS FINISH
- △ 6" THICK REINFORCED CONCRETE SLAB-ON-GRADE WITH BRASS FINISH
- △ 2'-0" x 2'-0" x 2'-0" SHIP PIT WITH 1" GALVANIZED STEEL GRATING COVER
- △ 1/8" WIDE x 1" DEEP SAWCUT CONTROL JOINT
- △ 1/8" WIDE x 1-1/2" DEEP SAWCUT CONTROL JOINT
- △ 1'-0" x 5'-0" CONTIGUOUS REINFORCED CONCRETE FOOTING
- △ 1'-0" REINFORCED CONCRETE FOUNDATION WALL
- △ (3) #3 BOWLS, 2'-0" LONG, SPACED 6" ON-CENTER LOCATED 6" FROM PERI-SERVE OR CORE DRILL LOCATION FOR 2" DIAMETER STORM DRAIN
- △ PERI-SERVE OR CORE DRILL LOCATION AND ELEVATION WITH SHEETS C001 AND C-011



KEY PLAN
NOT TO SCALE
NORTH



FOUNDATION PLAN
SCALE: 1/4" = 1'-0"
NORTH

PROJECT: REICHE SCHOOL ELEVATOR ADDITION 4000 psi mix

#: 0557-020
DATE: 8-26-16
DCH: PDR

● - Cylinders
■ - Placement

R.W. GILLESPIE & ASSOCIATES, INC.
 Geotechnical Engineering • Geohydrology • Materials Testing Services

177 Shattuck Way, Suite 1 West
 Newington, NH 03801
 603-427-0244 • Fax 603-430-2041



Corporate Office
 86 Industrial Park Rd, Ste. 4
 Saco, ME 04072
 207-286-8008 • Fax 207-286-2882

CONCRETE REINFORCING STEEL OBSERVATION REPORT

Project Name: Reich School Elevator Addition Date: 9/24/16
 Client/Project #: City of Portland / 0557-080 Time: 6:30 am
 General Contractor: _____ Weather: Sunny

Approved Documents Referenced: Oak Point Plans 4/26/16
 Document Sheets/Details Referenced: S-001, SF101
 Placement Location: 2nd Floor Slab on Deck and topping material

ITEMS CHECKED

Item	In Accordance With Documents	Not In Accordance With Documents	Not Applicable
Bar Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Grade	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of Bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spacing Before & After Concrete Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End & Side Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Top & Bottom Clearances	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assure Bars are Clean and Free of Dirt, Oil, Rust, Paint, Etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bar Junctions are Adequately Tied	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placement & Adequacy of supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical Embedment to Assure Proper Lap Length	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Horizontal Bars for Minimum Lap Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other: _____

Site Contractor

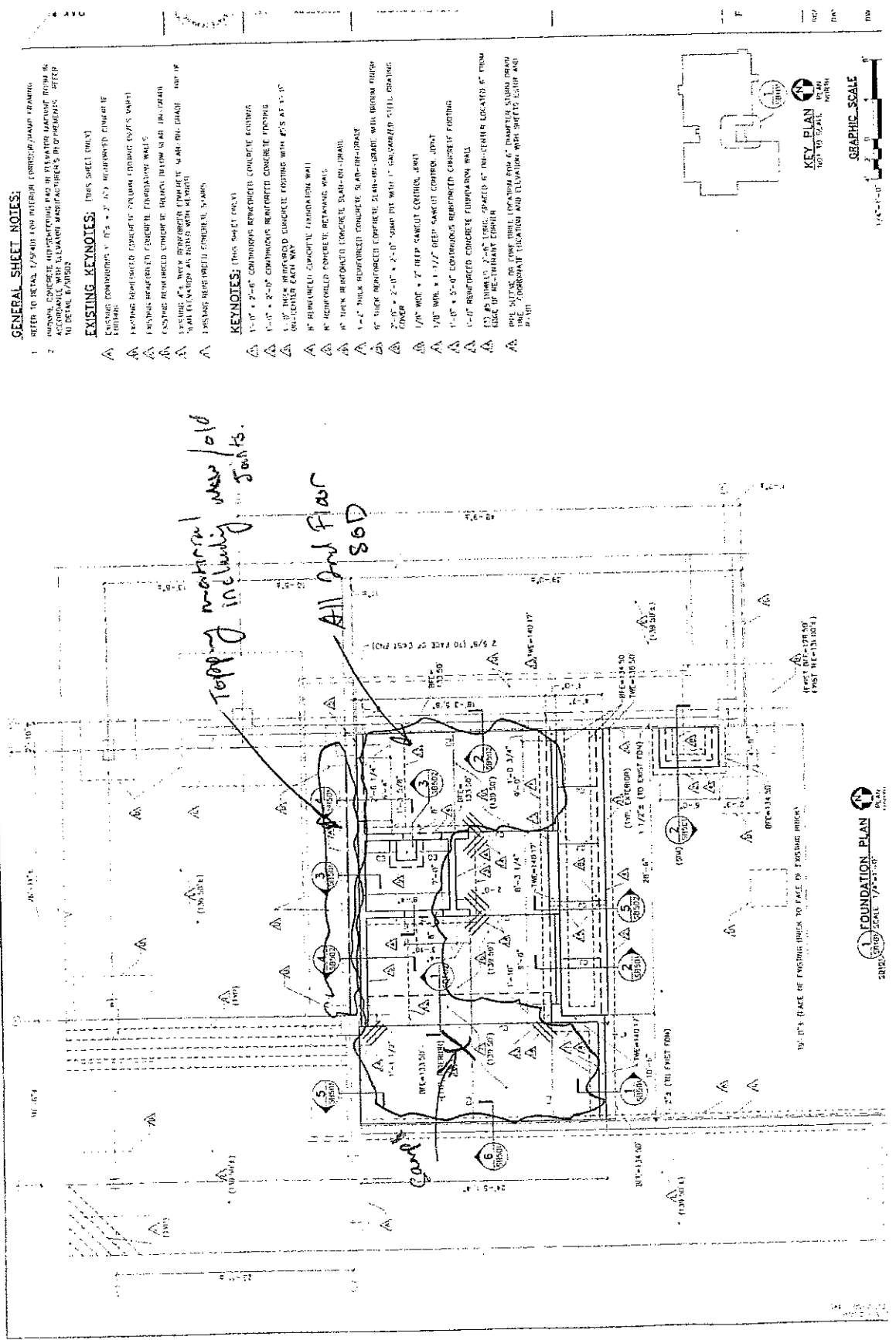
Josh Foley

Observations were verbally reported to

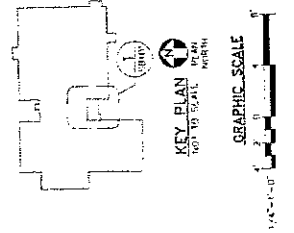
Construction Technologist

Print Name/Title

Reich School 0557-080
9/24/16 JRF



- GENERAL SHEET NOTES:**
- 1 REFER TO DETAIL 1/29/10 FOR INTERIOR CORNER/JUMP FORMING
 - 2 CURBING CONCRETE AND STAIRWAYS TO BE RELEVATED MATCHING ROOM OR ACCORDANCE WITH ALLIANCE MANUFACTURER'S DIMENSIONS. REFER TO DETAIL 6/2/10/2
- EXISTING KEYNOTES: (THIS SHEET ONLY)**
- △ EXISTING CONCRETE 1'-0" x 2'-0" REINFORCED CONCRETE FINISH
 - △ EXISTING REINFORCED CONCRETE COLUMN (FORMING 15/15/15) (24" DIA)
 - △ EXISTING REINFORCED CONCRETE FOUNDATION WALLS
 - △ EXISTING REINFORCED CONCRETE BEAM (FORMING 15/15/15) (24" DIA)
 - △ EXISTING 4" x 4" W/8 REINFORCED CONCRETE SLAB (FORMING 15/15/15) (24" DIA) ELEVATION AS SHOWN WITH DETAIL
 - △ EXISTING REINFORCED CONCRETE SLAB
- KEYNOTES: (THIS SHEET ONLY)**
- △ 1'-0" x 2'-0" CONTINUOUS REINFORCED CONCRETE FINISH
 - △ 1'-0" x 2'-0" CONTINUOUS REINFORCED CONCRETE FINISH
 - △ 1'-0" THICK REINFORCED CONCRETE FINISH WITH #3'S AT 1'-0" ON-CENTER EACH WAY
 - △ 8" REINFORCED CONCRETE FOUNDATION WALL
 - △ 8" REINFORCED CONCRETE RETAINING WALL
 - △ 8" THICK REINFORCED CONCRETE SLAB (FORMING 15/15/15)
 - △ 1'-2" THICK REINFORCED CONCRETE SLAB (FORMING 15/15/15) WITH 100% REINFORCING COVER
 - △ 2'-0" x 2'-0" x 2'-0" SLAB (FORMING 15/15/15) WITH 100% REINFORCING COVER
 - △ 1/2" WIDE x 2" DEEP SCAFFOLD CONTROL JOINT
 - △ 1/2" WIDE x 1 1/2" DEEP SCAFFOLD CONTROL JOINT
 - △ 1'-0" x 5'-0" CONTINUOUS REINFORCED CONCRETE FINISH
 - △ 1'-0" REINFORCED CONCRETE FOUNDATION WALL
 - △ 1'-0" x 1'-0" x 1'-0" (FORMING 15/15/15) (24" DIA) LOCATED 6" FROM FACE OF RETAINING WALL
 - △ 1'-0" x 1'-0" x 1'-0" (FORMING 15/15/15) (24" DIA) LOCATED 6" FROM FACE OF RETAINING WALL



Topping material was / old including joints.

All 2nd Floor SOD

Card

Client: R. W. Gillespie & Associates, Inc.
Project: Reiche School Renovations
Date: August 25, 2016
Subject: Site Inspection of Structural Steel

DST-DW
Report: 001

We visited the site on this date to perform inspection of structural steel framing for the Elevator Addition located at approximately lines C to D from 5 to 7.5. Upon arrival we met with City of Portland representative Mr. David Onos and the erector foreman. All framing was erected and welding was in process.

Shop erection drawings and structural drawings were used as reference. Our actions and observations were as follows:

- Welder certifications were reviewed and found acceptable. We verified that the correct welding electrodes were being used.
- Welds on beam to bearing plates were inspected at upper roof framing.
- In process welding of bearing plates was inspected at floor framing.
- In process welding of cantilever was in progress per section 1 / SF501.
- Bolts were in the process of being tightened. As each connection was tightened the bolts were being marked with yellow paint.
- Framing was inspected for overall conformance to referenced drawings.
- C8x11.5 to W8x31 connection on line 6 was fully welded in lieu of bolting due to misaligned holes. Welds were visually inspected.
- Connections of new columns to existing steel were no longer visible as roofing materials were in place.

No discrepancies were noted. All work appears to be proceeding in an acceptable manner.

Mr. Onos, the general contractor and erector foreman were notified of our findings.

Inspector; Neal J White
CWI #86070201
ICC #8014170-S1

NJW



R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008
177 Shattuck Way, Suite 1 West, Newington NH 03801 603-427-0244
44 Wood Avenue, Suite I, Mansfield, MA 508-623-0101

LETTER OF TRANSMITTAL

City of Portland
389 Congress Street
Portland, Maine 04101

Date: December 6, 2016	Project No.: 0557-020
Attention: David Onos (onosda@portlandschools.org)	
Re: Concrete Testing Reiche School Elevator Addition Portland, Maine	

We are sending you attached Concrete Cylinder Test Results:	
Cylinder No. (s)	Age (Days)
84535	115
84536	115

Remarks:

Copy to:

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

R. W. GILLESPIE & ASSOCIATES
MORTAR TEST/PLACEMENT REPORT
 ASTM C 780

Project Name:	Reiche School Elevator Addition	Date Cubes Cast:	Friday, August 12, 2016
Project No:	0557-020	Mortar Supplier:	Quikrete
Client:	City of Portland	General Contractor:	
Weather Conditions:	Sunny	Design Strength:	1800 PSI

Placement Location:
 Top of elevator shaft & top of back walls

Prisms Location:
 Top of Back of Walls

Date Report Issued:

Load Number:	- of -	Number of 2x2x2 Cubes	9
Ticket Number:	-	Cast By:	Matt T. Grady
Truck Number:	-	Slump:	ASTM C 143 - in.
Cubic Yards:	-	Air Temperature:	93 °F
Total Yardage:	-	Mortar Temperature:	- °F
Total Time (minutes):	0		

Field Cure Days: 1
 Date Received: 8/13/2016
 Condition of Cylinders: Good

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in ²)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
84528	8/19/2016	2.001x2.065	4.13	7	3010	730	3
84529	8/19/2016	2.010x2.075	4.17	7	3530	850	3
84530	8/19/2016	2.012x2.055	4.13	7	3310	800	3
84531	9/9/2016	2.035x2.015	4.10	28	3625	880	1
84532	9/9/2016	2.01x2.026	4.07	28	3825	940	1
84533	11/6/2016	2.062x2.024	4.17	86	4025	970	3
84534	10/7/2016	2.035x2.06	4.19	56	4050	970	5
84535	12/5/2016	2.049x2.024	4.14	115	7980	1930	3
84536	12/5/2016	2.091x2.008	4.19	115	8100	1930	3



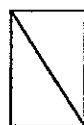
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5

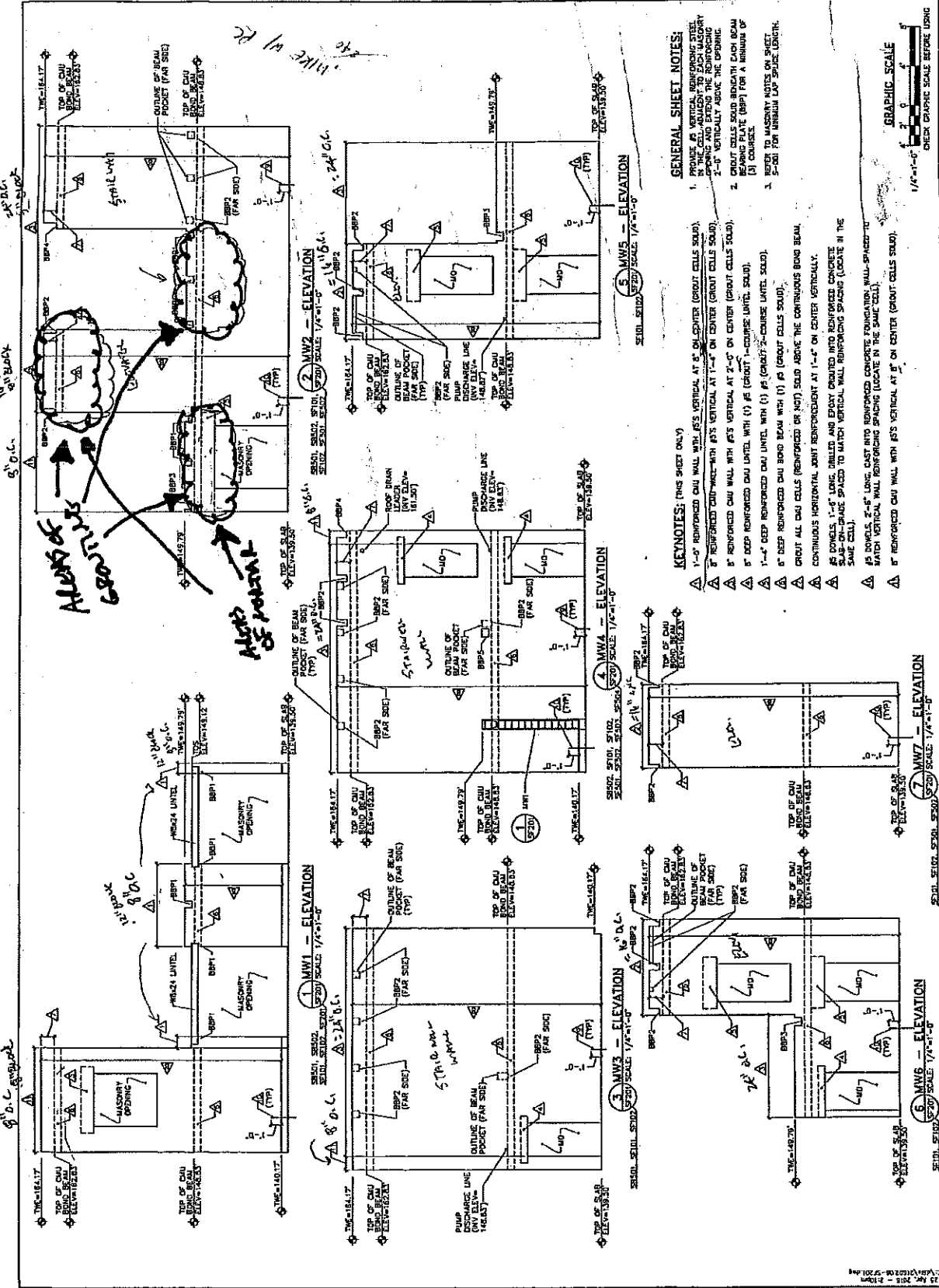


Double Side Fracture
6

Remarks:

The compressive strength values resulting from field tested mortars do not represent the compressive strength of mortar as tested in the laboratory nor that of the mortar in the wall. Physical properties of field sampled mortar shall not be used to determine compliance to this specification and are not intended as criteria to determine the acceptance or rejection of the mortar.

Checked by:
 Matthew T. Grady, Manager of MTS



GRAPHIC SCALE
 1/4"=1'-0"
 ORDER GRAPHIC SCALE BEFORE USING

0557-020
 REICHE SCHOOL
 8/17/16
 MW