

City of Salem



Invitation for Bids

R-30

Fire Alarm Service, Maintenance and Repairs

September 23, 2015

BIDS DUE:

Thursday, October 8, 2015, 3:00 PM

*Late bids will be rejected

Whitney C. Haskell
Purchasing Agent
93 Washington Street, 2nd Floor
Salem, MA 01970
whaskell@salem.com
(978) 619-5695

**FIRE ALARM SERVICE
R-30
COVER SHEET**

PLEASE PRINT OR TYPE:

Name of Bidder:	Contact Individual:			
Address:				
#	Street	City/Town	State	Zip Code
Phone:	Alternate Phone:			
Email Address:	Social Security/Federal Tax Identification Number:			
Authorized Signature: _____				

**FIRE ALARM SERVICE
R-30
CHECKLIST**

Submissions:

Please check:

- Completed Cover Sheet
- Bidder's Checklist (this sheet)
- Bid Form
- Signed Certificate of Non-Collusion
- Signed Tax Compliance Certification
- Certificate as to Corporate Bidder
- Reference Form
- 5% Bid Deposit
- Prevailing Wage Certification
- Debarment Certification
- Labor Harmony and OSHA Certification
- DCAMM Certificate of Eligibility and Update Statement
- Contractor's Information Page (Attachment A)
- Acknowledgement of Addenda: _____ (*if applicable*)
(#s)

Minimum Requirements:

		Yes	No
1.	The service and testing company's principal business shall be the installation, repair and service and testing of fire detection and alarm systems.		
2.	The service and testing company shall own and operate a fully licensed independent or fully licensed franchised fire detection and alarm system company, and shall be fully authorized to service, repair and test each manufacturer of fire detection and alarm systems installed in City of Salem School Facilities. Certification of this authorization to service, repair and test in place school department fire detection and alarm system is required and shall be provided with the submitted bid documents.		
3.	The service and testing company shall be the holder of a current and valid Commonwealth of Massachusetts Division of Registration of Electrician Master Electrician Contractor License Certificate A or Registered System Contractor License Certificate C. The service and testing contractor shall be in full compliance with the provision of the MGL 141S 1 - 10; MGL 142 3C - 3P; MGL 143 61 - 65; National Fire Protection Association codes and standards - NFPA 72.		
4.	The service and testing company shall have in its employ repair, installation, and testing personnel who are fully licensed by the Commonwealth of Massachusetts and shall be		

	the holder of a valid and current Commonwealth of Massachusetts Board of State Examiners of Electrician Certificate B Journeyman Electrician License or Certificate D Systems Technician License. Proof of such shall be provided to the Satisfaction of the Director. Such personnel shall be properly trained and familiar with the installation service, repair and testing requirements of each manufacturer of fire detection and alarm system installed in City of Salem School Facilities.		
5.	The service and testing company shall provide to the Director, documentation of possessing the technical expertise, manufacturer service authorization, and possession of a copy of all service manuals, and factory service bulletins, user manuals, installation manuals to properly service, repair, test, maintain or modify the presently installed fire detection and alarm system installed in City of Salem school facilities. No additional charges shall be paid by the City of Salem or the City of Salem School Department for the purchase of any user manuals, installation service manuals, guides, computer programs, computer software upgrades or equipment or specialized tools or diagnostics devices that may be required by the service and testing company to properly service and repair the in-place equipment or systems at City of Salem school facilities.		
6.	The service and testing company shall have in its employ personnel who are qualified to instruct/train school department personnel in the proper operation of the in-place equipment in City of Salem school facilities. This training or instruction shall be provided as needed upon the request of the Superintendent of the City of Salem School Department or his/her designee. The hourly fee for this service shall not be greater than the agreed hourly rate for a service technician.		
7.	The service and testing company shall have in its employ trained operators who can respond (24) twenty-four hours a day to ensure immediate attention to all requests for service. Records of the City of Salem School Department's Fire Detection and Alarm Systems as installed shall be maintained in the service company's headquarters and shall be available (24) twenty-four hours a day in order to insure prompt and efficient service. A request for emergency service (24) twenty-four hours a day shall not be between an intermediary (telephone answering service) and the service and testing company.		
8.	A direct line is to be provided to City of Salem School Department personnel and City of Salem Fire Department and City of Salem Police Department for use by them in communicating with the service and testing company for proper and efficient maintenance and emergency service.		
9.	Bidders must have provided contractual service, maintenance and testing of fire detection and alarm systems for a minimum of three (3) years.		
10.	Bidders must be able to provided twenty four (24) hour a day service personnel, equipment repair and replacement parts as needed.		
11.	Bidder must be DCAMM certified in the category of "Alarm Systems".		

**FIRE ALARM SERVICE
R-30
BID FORM**

1. Cost of Quarterly Testing

Flat rate cost of quarterly testing as defined in Section 3.2.

Total	Total
Year 1	\$
Year 2	\$
Year 3	\$
Subtotal (Part 1)	\$

2. Service, Repairs and Maintenance

Cost of service, repairs and maintenance outside of quarterly testing as defined in Section 3.3.

For the purpose of this bid the following definitions apply:

Business Hours: 7:00 AM – 5:00 PM, Monday through Friday

Non-Business Hours: 5:00 PM – 7:00 AM, Monday through Friday, Saturdays, Sundays and holidays.

Business Hours	Rate/Hour	Estimated Hours	Total
Year 1	\$	x 32 ¹	\$
Year 2	\$	x 32	\$
Year 3	\$	x 32	\$
Non Business Hours	Rate/Hour	Estimated Hours	Total
Year 1	\$	x 32	\$
Year 2	\$	x 32	\$
Year 3	\$	x 32	\$
Subtotal (Part 2)			\$

¹ This is estimate is for evaluation purposes, and may not reflect actual hours

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3. Materials

Estimated Material Cost	Percent Markup	Total
\$3,000.00 ²	1. _____	\$
Subtotal (Part 3)		\$

4. Bid Summary

Subtotal (Part 1)	\$
Subtotal (Part 2)	\$
Subtotal (Part 3)	\$
Subtotal (Part 4)	\$
Grand Total	\$

Signature of Authorized Representative

Name (printed)

Bidder (if different from above)

Date

² This amount is for evaluation purposes and may not reflect actual amount of materials purchased.

**FIRE ALARM SERVICE
R-30
CERTIFICATIONS**

1. NON-COLLUSION:

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

(Signature of authorized individual submitting proposal)

(Printed Name)

(Name of Bidder (if different than name))

(Federal Tax Identification or Social Security Number)

(Date)

2. TAX COMPLIANCE:

Pursuant to M.G.L. c. 62C, §49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

(Signature of authorized individual submitting proposal)

(Printed Name)

(Name of Bidder (if different than name))

(Date)

3. CORPORATE AUTHORITY (if applicable)

I, _____ certify that I am the _____ of the corporation named as Bidder in the Bid included herein, that _____, who signed said Bid on behalf of the Bidder was then _____ of said corporation, that I know his signature, that his signature thereon is genuine and that said Bid was duly signed, sealed and executed for and in behalf of said corporation by authority of its governing body.

(Corporate Seal)

(Secretary-Clerk)

(Signature of authorized individual submitting proposal)

(Printed Name)

(Name of Bidder (if different than name))

(Date)

4. PREVAILING WAGES:

The undersigned bidder or quoter hereby certifies, under the pains and penalties of perjury, that the foregoing bid or quote is based upon the payment to laborers employed on the project of wages in an amount no less than the applicable prevailing wage rates established for the project by the Massachusetts Department of Labor and Workforce Development. The undersigned bidder or quoter agrees to indemnify the awarding authority for, from and against any loss, expenses, damages, action or claims, including any expense incurred in connection with any delay or stoppage of the project work, arising out of or as a result of (1) the failure of the said bid or quote to be based upon the payment of the said applicable prevailing wage rates, or (2) the failure of the bidder or quoter, if selected as the Contractor, to pay laborers employed on the project the said applicable prevailing wages.

(Signature of authorized individual submitting proposal)

(Printed Name)

(Name of Bidder (if different than name))

(Date)

5. DEBARMENT

The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

(Signature of authorized individual submitting proposal)

(Printed Name)

(Name of Bidder (if different than name))

(Date)

6. LABOR HARMONY AND OSHA TRAINING

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and that he will comply fully with all laws and regulations applicable to awards made subject to section 44A.

(Signature of authorized individual submitting proposal)

(Printed Name)

(Name of Bidder (if different than name))

(Date)

**FIRE ALARM SERVICE
R-30
REFERENCES**

Please provide the name, email address, telephone number, and point of contact for at least three references, for work performed within the past two years, of a similar scope. Municipal/Governmental references are preferred.

1. Organization/Company:

Contact Name: _____
Contact Title: _____
Email Address: _____
Street Address: _____
City, State, Zip Code: _____
Telephone Number: () _____

2. Organization/Company:

Contact Name: _____
Contact Title: _____
Email Address: _____
Street Address: _____
City, State, Zip Code: _____
Telephone Number: () _____

3. Organization/Company:

Contact Name: _____
Contact Title: _____
Email Address: _____
Street Address: _____
City, State, Zip Code: _____
Telephone Number: () _____

4. Organization/Company:

Contact Name: _____

Contact Title: _____

Email Address: _____

Street Address: _____

City, State, Zip Code: _____

Telephone Number: () _____

5. Organization/Company:

Contact Name: _____

Contact Title: _____

Email Address: _____

Street Address: _____

City, State, Zip Code: _____

Telephone Number: () _____

PART 1. GENERAL INFORMATION

1.1 PROCUREMENT DESCRIPTION

The City of Salem, through its Purchasing Office, invites qualified bidders for Service, Repair & Testing of Fire Alarm Systems in the Salem School District; including all labor and materials and to provide annual inspection, testing, and maintenance to the fire alarm systems.

1.2 APPLICABLE LAW

This procurement will be conducted pursuant to Massachusetts General Laws Chapter 149.

1.3 APPROVAL

Any contract that may result from the procurement shall be subject to the approval of the Mayor of the City of Salem.

1.4 INCORPORATION BY REFERENCE

All requirements, specifications, terms and conditions described in this Invitation for Bids shall be incorporated by reference into any contract that may result.

1.5 TIME FOR AWARD

Any contract that may result from the procurement shall be awarded within thirty (30) days after the bid opening. The Contractor must agree to hold its bid prices firm for that period.

1.6 RIGHT TO CANCEL/REJECT

The City reserves the right to cancel this Invitation for Bids or reject in whole or in part any and all bids if the City determines that cancellation or rejection serves the best interests of the City.

1.7 TAXATION

Purchases made by the City are exempt from the payment of Federal excise tax and the payment of Commonwealth of Massachusetts sales tax and any such taxes must not be included in the bid pricing.

Copies of the City's tax exempt paperwork shall be available upon request of the selected contractor.

1.8 OBTAINING THE INVITATION FOR BIDS

The Invitation for Bids shall be available beginning, September 23, 2015.

The Invitation for Bids and related documents shall be available for free download from the City's Purchasing Department website at http://saalem.com/Pages/SalemMA_Purchasing/index under the link titled "IFBs, RFPs, RFQs."

Hardcopies of the Invitation for Bids and related documents may be obtained at the Office of the Purchasing Agent, 93 Washington Street, 3rd Floor, Salem, MA 01970, between the hours of 8:00 AM-4:00 PM on Monday-Wednesday, 8:00-7:00 PM on Thursday, and 8:00 AM-12:00 PM on Friday.

PART 2. INSTRUCTIONS TO BIDDERS

2.1 REQUIREMENTS AND SUBMISSIONS

Below please find a description of the requirements and submissions that must be included as part of a bid. Bids must be sealed and marked as noted.

2.1.1 BID PRICING FORM

Every bid must include a completed 'Bid Pricing Form'. See attached. All material, equipment and labor is F.O.B. City of Salem.

2.1.2 NON-COLLUSION

Every bid must include a certification of good faith, certifying that the bid was made in good faith and without collusion or fraud. See 'Non-Collusion Form' attached.

2.1.3 TAX COMPLIANCE

Every bid must include a written certification that the bidder has complied with all state laws relating to taxes, reporting of employees and contractors, and child support. See 'Tax Compliance Form' attached.

2.1.4 CORPORATE BIDDER

If the bid is being submitted by a corporation, the bid must include a certification that the individual submitting the bid has been authorized to bind the corporation. See 'Certificate of Corporate Authority' attached.

2.1.5 REFERENCE FORM

Every bid must be accompanied by at least three (3) professional references.

2.1.6 BID DEPOSIT

Each bid must be accompanied by a deposit equal to five percent (5%) of the amount of the bid. The bid deposit may be in the form of a certified treasurer's or cashier's check payable to the City of Salem from a responsible bank or trust company; cash; or a bid bond.

2.1.7 PAYMENT BOND

The selected contractor shall be required to furnish a Payment Bond in the amount of fifty percent (50%) of the contract price, within ten days of the date of notification of the contract award.

2.1.8 PREVAILING WAGE

Wages for this project are subject to the prevailing wage rates as set by the Department of Labor Standards. A copy of the prevailing wage rates for this project is included in the Invitation for Bids, along with a Payroll Record Form and Statement of Compliance.

In the event that the option to renew is exercised, an updated prevailing wage rate sheet will be sent to the Contractor along with the contract amendment letter.

Certified Weekly Payroll documents shall be sent to the Office of the Purchasing Agent, 93 Washington Street, 3rd Floor, Salem, MA 01970. Payroll records must be sent three (3) business days after the close of the previous work week. See ‘Certification Regarding Payment of Prevailing Wage Rates’ attached.

2.1.9 DEBARMENT

Every bid must include a certification regarding the contractor’s debarment status. A debarred contractor is not eligible for the award of public contracts during the period of its debarment. See ‘Certification Regarding Debarment’ attached.

2.1.10 LABOR HARMONY AND OSHA CERTIFICATION

Every bid must include a certification regarding labor harmony training approved by the U.S. Occupation Safety and Health Administration completed by all employees to be employed at the worksite. See ‘Labor Harmony and OSHA Certification’ attached.

2.2 BID DELIVERY

Below please find a description of the manner in which sealed bids must be submitted.

2.2.1 DUE DATE AND TIME

Bids shall be received by the Office of the Purchasing Agent on or before **3:00 PM, Thursday, October 8, 2015.**

Any bid received after that time shall be rejected as non-responsive.

2.2.2 ADDRESS

Sealed bids shall be delivered to the Office of the Purchasing Agent, 93 Washington Street, 2nd Floor, Salem MA 01970.

2.2.3 HOURS OF OPERATION

Bids must be delivered during the normal hours of operation of the City of Salem:

Monday-Wednesday:	8:00 AM-4:00 PM
Thursday:	8:00 AM-7:00 PM
Friday:	8:00 AM-12:00 PM

2.2.4 COPIES

Bidders must submit one (1) original.

2.2.5 LABELING

The outside of the envelope containing the sealed bid must be labeled with 1) the bid number 2) the bid opening date and time and 3) the name of the bidder.

2.3 SIGNATURES

A bid must be signed as follows: 1) if the bidder is an individual, by her/him personally; 2) if the bidder is a partnership, by the name of the partnership, followed by the signature of each general partner; and 3) if the bidder is a corporation, by the authorized officer, whose signature must be attested to by the clerk/secretary of the corporation, and with the corporate seal affixed.

2.4 QUESTIONS, CHANGES, MODIFICATIONS AND WITHDRAWALS

2.4.1 QUESTIONS/REQUESTS FOR CLARIFICATION

Questions concerning this Invitation for Bids must be submitted in writing to: Whitney Haskell at whaskell@salem.com at least five (5) days prior to the bid opening date. Written responses will be mailed to all bidders on record as having picked up the Invitation for Bids.

2.4.2 CHANGES

If any changes are made to this Invitation for Bids, addenda will be issued. Addenda will be posted in the Office of the Purchasing Agent, on the website and e-mailed to all bidders on record as having picked up the Invitation for Bids.

2.4.3 MODIFICATIONS AND WITHDRAWALS

A bidder may correct, modify, or withdraw a bid by written notice received by the City of Salem prior to the time and date set for bid opening.

Modifications must be submitted in a sealed envelope clearly labeled "Modification No. ___" to the address listed in part one of this section. Each modification must be numbered in sequence, and must reference the Invitation for Bids.

After the bid opening a bidder may not change any provision of the bid in a manner prejudicial to the interests of the City or fair competition. Minor informalities will be waived or the bidder will be allowed to correct them. If a mistake and the intended bid are clearly evident on the face of the bid document, the mistake will be corrected to reflect the intended correct bid, and the bidder will be notified in writing; the bidder may not withdraw the bid. A bidder may withdraw a bid if a mistake is clearly evident on the face of the bid document, but the intended correct bid is not similarly evident.

2.5 UNFORESEEN OFFICE CLOSURES

If, at the time of the scheduled bid opening, 120 Washington Street, 3rd Floor, Salem, MA 01970, is closed due to uncontrolled events such as fire, snow, ice, wind, or building evacuation, the bid opening will be postponed until 2:00 PM on the next normal business day. Bids will be accepted until that date and time.

2.6 BID OPENING PROCEDURE

At the time and place fixed for opening of bids, the City will cause to be opened and publicly read aloud every bid received within the time set for receiving bids, irrespective of any irregularities therein. Bidders and other persons properly interested may be present, in person or by representative.

PART 3. SPECIFICATIONS

3.1 GENERAL INFORMATION

Sealed bids will be received for the services, testing and repair of fire detection and alarms systems at the following school department facilities.

Bates Elementary School	53 Liberty Hill Avenue
Bentley Elementary School	25 Memorial Drive
Carlton Elementary School	10 Skerry Street
Dr. Joseph Salerno Automotive Technology Center	77 R Willson Street
Francis X. Collins Middle School	29 Highland Avenue
Nathaniel Bowditch School	79 Willson Street
Salem High School	77 Willson Street
Saltonstall School	211 Lafayette Street
Witchcraft Heights Elementary School	1 Frederick Street
New Liberty Charter School*	Museum Place Mall, 2 nd Floor

An inventory of each location is provided in **Attachment B**.

The City of Salem reserves the right to cancel service or testing on any school facility that may close during the term of the service and testing contract. New Liberty Charter School shall be included in the first year of the contract, but may be removed thereafter.*

A credit equal to the full cost of providing any remaining annual or quarterly testing shall be refunded to the City of Salem School Department for any school facility that may be removed from service during the term of the contract.

The full cost of providing testing services for a newly commissioned site shall be provided to the Director of Building Services, City of Salem School Department (Director) prior to becoming part of the service and testing contract. This information shall be provided to the Director upon notification to the service provider of the need, and frequency and scope of any additional testing services which may be required during the term of the contract.

All prospective bidders shall be required to visit each of the listed facilities, and to conduct their own survey of each facility in order to: familiarize themselves with the facility and with the in-place equipment, the operation and present condition of the equipment, and the scope of services required to provide for the testing of all fire detection initiating devices and alarm devices. To schedule a site visit of the schools, contact Paul L'Heruex at 978-740-1143.

The selected bidder, hereafter also known as either/or the service and testing company, service provider or service company, shall provide all required service, repairs, and testing in full compliance with all City of Salem ordinances or specific requirements, Commonwealth of Massachusetts General Laws Chapters 141, 142, 143 and National Fire Protection Association (N.F.P.A.) codes and standards, N.F.P.A. 72 and others governing fire detection and alarm systems.

The service and testing contractor shall fully comply with all general laws of the Commonwealth of Massachusetts, all policies and guidelines of the City of Salem School Committee, and all pertinent

ordinances of the City of Salem, and all National Fire Protection Association codes and standards including, but not limited to:

Massachusetts General Laws

M.G.L. Chapter 30 Section 39S – Ten hour OSHA Training for all employees assigned to Salem

M.G.L. Chapter 71 Section 37H – Tobacco Free School

M.G.L. Chapter 71 Section 38R – Criminal Offense Record Inquiry

M.G.L. Chapter 141 Section 1-10 Inclusively

M.G.L. Chapter 149 Section 26 through 27H prevailing wage rates – prevailing wage rates do not apply for testing.

However all repair and installation work is subject to the prevailing wage laws.

All service and testing contractor personnel (that will or may be assigned to service this account) shall be required to complete a City of Salem School Department approved Criminal Offense Record Inquiry (C.O.R.I.) form. The form shall be submitted to the appropriate Criminal History System Board. There shall be no cost to the service company for processing C.O.R.I. Request Forms for Massachusetts Residents. The cost of processing C.O.R.I. Request Forms for non-Massachusetts residents shall be charged to the service contractor in advance of submitting the Request Form to the appropriate agency or the applicant's state of residence. There shall be no exception to this requirement. The decision in all C.O.R.I. related matters as determined by the Superintendent of Schools or other City of Salem Criminal Offense Record Inquiry Enforcement Officer shall be final.

3.2 TESTING

Testing of Alarm Initiating Devices and Alarm Devices

1. Provide for the inspection, testing and documentation of the test results of the activation and response of all heat, water flow, manual pull stations, and smoke detecting devices and all audio/visual alarm devices, main control, standby power systems, and remote annunciation devices that comprise the fire detection and alarm system at each of the listed school facilities.

Test Schedule and Interval

1. The test series shall consist of (4) four scheduled test periods at intervals as approved by the City of Salem Office of Fire Prevention and as directed by the City of Salem School Department. The test interval shall be scheduled as follows unless otherwise directed:
 - 1) June/July Summer Recess
 - 2) December Holiday Recess
 - 3) February Winter Recess
 - 4) April Spring Recess

Fire Detection and Alarm System Testing Requirements

1. The annual test is to include one hundred percent of all devices, including control units, heat detectors, smoke detectors, pull stations, sprinkler flow switches, sprinkler system valve, tamper switches, horns, audio visual devices, master boxes and all associated equipment to assure proper operation of each device and each system.
2. During the second and subsequent tests at intervals of which coincide with scheduled school recess, there shall be an inspection and test of the operation of the systems. Such inspections and tests shall consist of the following operations with respect to apparatus and equipment forming all or any part of the fire detection, alarm, and sprinkler systems.
 - a. Test and inspect all control units circuitry, connecting points, relays, power supply operating controls, indicators, components, battery charging circuitry, stand-by battery, fuses, wiring and all circuitry necessary to provide local supervision of the system and transmit signals over the municipal circuit to the fire department.
 - b. All power supply units utilizing storage batteries shall be inspected to insure that they are operating properly, are able to hold a charge and for cleanliness.
 - c. At least one-third of the heat and smoke detectors, but not less than (2) two detectors on each circuit shall be tested. Different devices shall be tested at each subsequent test, so that at the end of (1) one year, all detectors will have been tested for the second time.
 - d. At least one-third of the smoke detectors, but not less than (2) two detectors on each circuit shall be tested. Different devices shall be tested at each subsequent test, so that at the end of (1) one year all detectors will have been tested for a second time.
 - e. At least one-third of the manual alarm pull stations shall be tested. Different devices shall be tested at each subsequent test, so that at the end of (1) one year all manual alarm pull stations will have been tested for a second time.
 - f. All audible and visual signals shall be tested at each test period (quarterly).

g. Each master fire alarm box shall be tripped at least (2) two times from each initiating circuit zone during each test period.

h. (50%) fifty percent of all tests shall be made on the primary power supply and (50%) fifty percent on the secondary power supply.

3. Repairs, adjustments and replacement of parts, materials apparatus and equipment forming all or any part of the fire detection, alarm and sprinkler systems alarm initiative device shall be as follows:

a. If required as a result of the test, inspection or service call, any devices indicating trouble shall be adjusted, cleaned and or reset for proper operation at no additional charges.

b. All service, repair or device replacement as a result of vandalism, floods, fire, freezing and acts of God when not necessitated as a result of the contractors test inspection or service call upon prior approval of the Director shall be paid in accordance with the hourly rate for labor and the cost of replacement components as stated in Section 7 Cost Testing, Service, Repair, Labor and Materials of this specification. The minimum charge for service calls and the hourly labor rate for repairs shall be listed and agreed upon by the City of Salem School Department prior to becoming part of any contract between the service contractor and the City of Salem School Department. The estimated number of service calls per contract year is (4) four. The estimated repair hours required by quarter is (8) eight hours. The cost of replacement components shall be identified by base cost of the component and the contractor mark up.

c. Sufficient amount of spare parts for all systems shall be maintained at all times by the service company to prevent an extended shut down due to a component failure resulting in a malfunction of the system.

d. Sprinkler system pipes and water supply, water pressure boosting equipment, or sprinkler system maintenance are not part of this proposed contract.

4. Reports and Record Keeping

The City of Salem School Department and the City of Salem Fire Department shall be furnished with a comprehensive report of each inspection, test or service call results after each visit and a copy shall be kept on file by the service company for (5) five years and available to the City of Salem School Department or its representative upon request. The report shall list every device tested and indicate if it passed.

5. Number of Service Company Personnel for Testing

A minimum of at least two persons normally employed by the service company on a full time basis in the capacity of installing, inspecting and testing fire detection and alarm systems shall be provided to perform all testing.

6. Use of School Department Equipment

No School Department equipment, ladder, scaffolding platforms, or other equipment shall be used in the testing or maintenance of the systems. The service company is to provide and have immediately available all equipment necessary for the proper testing and maintenance of the systems.

7. The service and testing company personnel shall protect all school department equipment and building surfaces including all furniture, painted surfaces such as walls, doors, door frames, and all floors, and windows from damage when providing either service or testing services. The service and testing contractor shall be responsible for all damage that may be caused by service company personnel. All such damage shall be replaced or repaired at the service company's expense. Additionally the contractor is responsible for cleaning up any dirt or debris and trash removal associated with their work.

8. Licensed Fire Alarm Technicians

The service company shall have either a Certified A – Master Electrician Contractor License or at minimum a Certified-C Systems Contractor's License and be qualified by the Commonwealth of Massachusetts to employ Licensed Journeyman Electricians, Licensed Fire Alarm Technicians and shall have such licensed Journeyman Electrician and/or Fire Alarm Technicians in its normal full time employ to perform repairs and installations that may be necessary from time to time.

3.3 SERVICE AND REPAIRS

1. The service and testing company shall provide emergency service as may be required (24) twenty-four hours a day, (7) seven days a week, (365) three hundred sixty-five days a year as follows:
 - a. When notified, the service contractor will respond by telephone within (1) one hour to alarm activations or to a request for service to reset or repair a fire detection and alarm system, and/or sprinkler system alarm initiating devices and restore the system to a normal operating condition and provide service at the affected site within (3) three hours.
2. The service and testing company shall provide only new and unused replacement parts, detection and alarm system components and/or equipment to affect any needed repair or component replacement that may be required to return a system to a normal operating condition unless otherwise accepted by the City of Salem Director of Building Services. A minimum of a (12) twelve month warranty shall apply against all defects in workmanship and manufacture. The warranty shall provide complete coverage for parts, equipment, electronic components, labor, delivery cost and travel and truck charges for the full (12) twelve months of the warranty period.
3. The service and testing contractor shall provide upon reasonable notice (1) one or more to a maximum of (2) two technicians to provide all labor and services which may be required to assist the Commonwealth of Massachusetts Department of Public Safety, Division of Inspections, state fire alarm inspector in conducting the annual fire safety inspection of all school department fire detection and alarm systems. The cost of this service shall be invoiced at the agreed upon hourly rate for a technician during normal business hours as listed in Section 7 Cost of Testing Service, Repair, Labor and Materials.
4. All other service and repairs shall be performed at other than normal school hours in order to prevent interruptions or interference with normal school activities. The City of Salem Fire Department through the office of Fire Prevention, may determine that a needed repair may be of an emergency nature such that the work must be performed during school hours.
5. The service and testing company shall maintain an adequate inventory of replacement components or have immediate access to replacement components to properly service, repair and test, in a timely fashion, all makes, models and series of in-place fire detection and alarm systems installed in City of Salem school facilities.
6. The service and testing contractor shall work directly with the City of Salem School Department Director of Building Services and City of Salem School Department Business Manager to resolve all equipment, service and testing issues in order to ensure a fully functioning trouble free and reliable fire detection and alarm system with the City of Salem School Department. No replacement work shall be undertaken without the expressed approval of the Director of Building Services or the Business Manager.

PART 4. EVALUATION AND SELECTION

4.1 MINIMUM REQUIREMENTS

1. The service and testing company's principal business shall be the installation, repair and service and testing of fire detection and alarm systems.
2. The service and testing company shall own and operate a fully licensed independent or fully licensed franchised fire detection and alarm system company, and shall be fully authorized to service, repair and test each manufacturer of fire detection and alarm systems installed in City of Salem School Facilities. Certification of this authorization to service, repair and test in place school department fire detection and alarm system is required and shall be provided with the submitted bid documents.
3. The service and testing company shall be the holder of a current and valid Commonwealth of Massachusetts Division of Registration of Electrician Master Electrician Contractor License Certificate A or Registered System Contractor License Certificate C. The service and testing contractor shall be in full compliance with the provision of the MGL 141S 1 - 10; MGL 142 3C – 3P; MGL 143 61 - 65; National Fire Protection Association codes and standards – NFPA 72.
4. The service and testing company shall have in its employ repair, installation, and testing personnel who are fully licensed by the Commonwealth of Massachusetts and shall be the holder of a valid and current Commonwealth of Massachusetts Board of State Examiners of Electrician Certificate B Journeyman Electrician License or Certificate D Systems Technician License. Proof of such shall be provided to the Satisfaction of the Director. Such personnel shall be properly trained and familiar with the installation service, repair and testing requirements of each manufacturer of fire detection and alarm system installed in City of Salem School Facilities.
5. The service and testing company shall provide to the Director, documentation of possessing the technical expertise, manufacturer service authorization, and possession of a copy of all service manuals, and factory service bulletins, user manuals, installation manuals to properly service, repair, test, maintain or modify the presently installed fire detection and alarm system installed in City of Salem school facilities. No additional charges shall be paid by the City of Salem or the City of Salem School Department for the purchase of any user manuals, installation service manuals, guides, computer programs, computer software upgrades or equipment or specialized tools or diagnostics devices that may be required by the service and testing company to properly service and repair the in-place equipment or systems at City of Salem school facilities.
6. The service and testing company shall have in its employ personnel who are qualified to instruct/train school department personnel in the proper operation of the in-place equipment in City of Salem school facilities. This training or instruction shall be provided as needed upon the request of the Superintendent of the City of Salem School Department or his/her designee. The hourly fee for this service shall not be greater than the agreed hourly rate for a service technician.
7. The service and testing company shall have in its employ trained operators who can respond (24) twenty-four hours a day to ensure immediate attention to all requests for service. Records of the City of Salem School Department's Fire Detection and Alarm Systems as installed shall be maintained in the service company's headquarters and shall be available (24) twenty-four hours a day in order to insure prompt and efficient service. A request for emergency service (24) twenty-four hours a day shall not be between an intermediary (telephone answering service) and the service and testing company.
8. A direct line is to be provided to City of Salem School Department personnel and City of Salem Fire Department and City of Salem Police Department for use by them in communicating with the service and testing company for proper and efficient maintenance and emergency service.
9. Bidders must have provided contractual service, maintenance and testing of fire detection and alarm systems for a minimum of three (3) years.
10. Bidders must be able to provided twenty four (24) hour a day service personnel, equipment repair and replacement parts as needed.

11. Bidder must be DCAMM certified in the category of “Alarm Systems”.

4.2 RULE FOR AWARD

Any contract that results from the procurement shall be awarded to the lowest responsible and eligible bidder, offering the lowest total price on the ‘Bid Form.’

PART 5. TERMS AND CONDITIONS

5.1 TERM OF CONTRACT

The performance period for any contract that results from this Invitation for Bids shall commence upon issuance of the "Notice to Proceed" and terminate August 31, 2018.

5.2 ASSIGNMENTS AND SUBCONTRACTING

The selected vendor shall not assign, sell, subcontract or otherwise transfer any interest in this contract without the prior written consent of the City. The successful bidder shall be fully responsible to the City for the acts and omissions of his subcontractor, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

5.3 PAYMENT

The City shall make every effort to furnish payment within thirty (30) days of receipt of a reasonably detailed invoice. Any invoice received must reference the contract number. Nothing contained in the contract shall create any contractual relation between any subcontractor and the City of Salem. The Successful Bidder shall cause appropriate provision to be inserted in all subcontracts relative to the work to require compliance by each subcontractor with the application provisions of the Contract for the improvements embraced in the site preparation.

Invoicing for all work must be done weekly and must be accompanied by copies of original bills for material used. Billing must separate labor and itemize materials

Weekly payroll record forms and signed statement of compliance must be submitted with all billing.

5.4 INSURANCE REQUIREMENTS

General- The Vendor shall before commencing performance of the Contract be responsible for providing and maintaining insurance coverage in force for the life of the Contract of the kind and in adequate amounts to secure all of the obligations under the Contract and with insurance companies licensed to write insurance in the Commonwealth of Massachusetts. All such insurance carried shall not be less than the kinds and amounts designated herein, and the Vendor agrees that the stipulation herein of the kinds and limits of coverage shall in no way limit the liability of the Vendor to any such kinds and amounts of insurance coverage. All policies issued shall indemnify and save harmless the City of Salem, its agents and employees from any and all claims for damages to persons or property as may rise out of the performance of this Contract.

Vendor's Comprehensive General Public Liability and Property Damage Liability Insurance - The Vendor shall carry Comprehensive General Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injury to or death of one person, and subject to that limit for each person, a total limit of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries or death of two or more persons in any one accident; and Vendor's Comprehensive Property Damage Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of injury to or destruction of property in any one accident, and subject to that limit per accident, a

total (or aggregate) limit or not less than One Million Dollars (\$1,000,000.00) for all damages arising out of injury to or destruction of property during the policy period.

Comprehensive Automotive and Property Damage Insurance - The Vendor shall carry Automobile Insurance covering all owned vehicles, hired vehicles or non-owned vehicles under the control of the Vendor while performing work under the Contract in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injuries to or death of one person and subject to that limit for each person, a total of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries to or death of two or more persons in any one accident; and Property Damage coverage in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages to or destruction of property.

The Vendor must carry Workman's Compensation Insurance in the amounts prescribed under Massachusetts State Law and meet all other City and State Laws and Regulations.

No cancellation(s) of such insurance, whether by the insurer or by the insured party shall be valid unless written notice thereof is given by the parties proposing cancellation to the other party and to the City of Salem at least fifteen (15) days prior to the intended effective date thereof, which date shall be expressed in said notice, which shall be sent by registered mail, return receipt requested. These provisions shall apply to the legal representative(s), trustee in bankruptcy, receiver, assignee, trustee, and successor(s) in interest of the Vendor.

All insurance coverage shall be at the sole expense of the Vendor and shall be placed with such company as may be acceptable to the City of Salem and shall constitute a material part of the contract documents.

Failure to provide written proof to City and continue in force such insurance as aforesaid shall be deemed a material breach of the contract, and may constitute sufficient grounds for immediate termination of the same.

5.5 CHANGE ORDERS AND ADJUSTMENTS

Any request for a change order or adjustment must be submitted in writing and contain, an explanation of the need for the change order, a statement of work including a cost breakdown of each addition, and a statement that the change order is in the best interest of the awarding authority. The City is not obligated to pay for change orders that are not approved in writing, by the original contract signatories. Three (3) copies of the change order shall be required.

5.6 INDEMNIFICATION

Unless otherwise provided by law, the Vendor will indemnify and hold harmless the City against any and all liability, loss, damages, costs or expenses for personal injury or damage to real or tangible personal property which the City may sustain, incur or be required to pay, arising out of or in connection with the performance of the Contract by reason of any negligent action/inaction or willful misconduct by the Contractor, its agents, servants or employees.

5.7 FEDERAL AND STATE LAW

The selected contractor shall comply with all applicable Federal, State and Local laws and ordinances.

5.8 STATEMENT OF WORK

Except as otherwise specifically stated in the bid and contract documents the selected contractor shall secure, at its own expense, all necessary permits and licenses and comply with all city and state codes and regulations. The selected contractor shall provide and pay for all materials, equipment, labor, tools, temporary construction of every nature, charges, levies, fees, or other expenses incurred and all other services and facilities of every nature whatsoever for his performance of the Contract within the specified time, and required for this project. The selected contractor must provide all materials and equipment free of any lien, claim or encumbrance.

5.9 SAMPLE CONTRACT

See 'Sample Contract' attached.

SAMPLE CONTRACT

CONTRACT NO. X-XX
XXXXXXXXXXXX
CITY OF SALEM
CONTRACT FOR SERVICES
Over \$10,000

This agreement is made and entered into by and between the City of Salem (hereinafter the CITY), a municipal corporation organized and existing under the laws of the Commonwealth of Massachusetts, and _____ (hereinafter the CONTRACTOR).

ARTICLE I. DEFINITION.

This CONTRACT as used herein shall mean these articles, and the “contract documents” which include but are not limited to the following identified items and all documents, and forms submitted therewith, or attached hereby.

- Attachment A: Scope of Services, and/or other bid package materials
- Attachment B: Additional Contract Terms and Conditions
- Attachment C: Statement of Corporate Authority
- Addenda: _____

ARTICLE II. AMOUNT AND DURATION.

This CONTRACT in an amount not to exceed \$_____ shall commence on or about _____ and shall terminate no later than _____, unless a written amendment to renew or extend this CONTRACT is executed in accordance with the provisions of this CONTRACT.

ARTICLE III. PERFORMANCE.

The Contractor agrees to provide all goods and/or services set forth in Invitation for Bids, Documents, Scope of Services, and the CONTRACTOR’s bid _____ and/or as outlined in ATTACHMENT A - SCOPE OF SERVICES.

ARTICLE IV. TERMINATION.

Without Cause. The CITY may terminate this CONTRACT on sixty (60) calendar days notice, or may suspend this CONTRACT for up to sixty (60) calendar days upon receipt of notice, when in the best interests of the City by providing notice to the CONTRACTOR, which shall be in writing and shall be deemed delivered and received when given in person to the CONTRACTOR, or when received by fax, express mail, certified mail return receipt requested, regular mail postage prepaid or delivered by any other appropriate method evidencing actual receipt by the CONTRACTOR.

For Cause. If the CONTRACTOR is determined by the CITY to be in default of any term or condition of CONTRACT, the CITY may terminate this contract on thirty (30) days notice by providing notice to the CONTRACTOR, which shall be in writing and shall be deemed delivered and received when given in person to the CONTRACTOR, or when received by fax, express mail, certified mail return receipt requested, regular mail postage prepaid or delivered by any other appropriate method evidencing actual receipt by the CONTRACTOR. If the CITY is determined by the CONTRACTOR to be in default of any term or condition of this CONTRACT the CONTRACTOR may terminate this contract on thirty (30) days notice by providing notice to the CITY, which shall be in writing and shall be deemed delivered and received when given in person to the CITY, or when received by fax, express mail, certified mail return receipt requested, regular mail postage prepaid or delivered by any other appropriate method evidencing actual receipt by the CITY.

Default. The following shall constitute events of default under this CONTRACT: a) any material misrepresentation made by the CONTRACTOR to the CITY, b) any failure to perform any of its obligations under this CONTRACT including, but not limited to the following: (i) failure to commence performance of this CONTRACT at the time specified in this CONTRACT due to a reason or circumstance within the CONTRACTOR’S reasonable control, (ii) failure to perform this CONTRACT with sufficient personnel and equipment or with sufficient material to ensure the completion of this CONTRACT within the specified time due to a reason or circumstance within the

CONTRACTOR'S reasonable control, (iii) failure to performance this CONTRACT in a manner reasonably satisfactory to the CITY, (iv) failure to promptly re-perform with reasonable time the services that were rejected by the CITY as unsatisfactory, or erroneous, (v) discontinuance of the services for reasons not beyond the CONTRACTOR'S reasonable control, (vi) failure to comply with a material term of this CONTRACT, including, but not limited to, the provision of insurance and nondiscrimination, and (vii) any other acts specifically and expressly stated in this CONTRACT as constituting a basis for termination of this CONTRACT, and (viii) failure to comply with any and all requirements of state law, and/or regulations, and City ordinances, and/or regulations.

ARTICLE V. REMEDIES OF THE CITY.

The CITY may deduct the cost of any substitute contract or performance for expenses, losses, and all damages, including incidental and consequential damages as a result of any event of non-conformance or non-performance of the CONTRACTOR in complying with the terms of this CONTRACT, and shall withhold such expenses, losses, and damages from sums due, or to become due.

ARTICLE VI. REMEDIES OF THE CONTRACTOR.

If the damages, other than loss, non-conformance, or non-performance, are actually sustained by the CONTRACTOR due to any act or omission for which the CITY is legally responsible the CITY shall allow a sum equal to the amount of such damages sustained by the Contractor as determined by the CITY in writing, provided the Contractor shall have provided to all signatories of the contract a detailed written statement of such damages and cause thereof within 30 days of the act of omission by the CITY.

ARTICLE VII. ASSIGNABILITY.

The CONTRACTOR shall not assign, subcontract or in any way transfer any interest in this contract without the prior written consent of the Procurement Officer of said City. In the event of such occurrence the City reserves the right to deal with any assignee subcontractor or transferee directly and the contractor agrees to remain bound by all terms and conditions of this contract in accordance with its original tenor. The provisions of this CONTRACT shall be binding upon, and shall inure to the benefit of, the successors and assigns of the CONTRACTOR and any public body or bodies succeeding the interests of the CITY.

ARTICLE VIII. INDEMNIFICATION.

The CONTRACTOR shall assume the defense, indemnify and hold harmless the CITY, the CITY'S agents and employees, from and against all losses and all claims, demands, payments, suits, actions, recoveries and judgments of every nature and description brought or recovered against them by reason of acts, in actions, omissions, negligence, reckless or intentional misconduct of the said CONTRACTOR, its agent(s), officers, employees, or subcontractors; in the execution of the work or in guarding the same. Unless otherwise provided by law, the CITY may elect to indemnify the CONTRACTOR for claims arising in tort if it is determined that the CONTRACTOR performed its obligations under this CONTRACT pursuant to the direct supervision and control of the CITY or its designated agent(s).

ARTICLE IX. WORKER'S COMPENSATION AND OTHER INSURANCE.

The CONTRACTOR shall provide by insurance for the payment of compensation and the furnishing of other benefits under Chapter 152 of the General Laws of Massachusetts (The Worker's Compensation Act) to all employees of the CONTRACTOR who are subject to the provisions of Chapter 152 of the General Laws of Massachusetts.

Failure to provide and continue in force such insurance during the period of this contract shall be deemed a material breach of this contract, shall operate as an immediate termination thereof, and CONTRACTOR shall indemnify the CITY for all losses, claims, and actions resulting from the failure to provide the insurance required by this Article. Prior to commencement of any work and until completion of its work under this CONTRACT shall maintain the following insurance coverage, at its cost, from insurance acceptable to the CITY, giving evidence of such coverage to the CITY prior to execution of this CONTRACT, a copy of such insurance coverage to be attached herewith:
General - The Vendor shall before commencing performance of the Contract be responsible for providing and maintaining insurance coverage in force for the life of the Contract of the kind and in adequate amounts to secure all of the obligations under the Contract and with insurance companies licensed to write insurance in the Commonwealth of Massachusetts. All such insurance carried shall not be less than the kinds and amounts designated herein, and the Vendor agrees that the stipulation herein of the kinds and limits of coverage shall in no way limit the liability of the Vendor to any such kinds and amounts of insurance coverage. All policies issued shall indemnify and save harmless the City of Salem, its agents and employees from any and all claims for damages to persons or property as may rise out of the performance of this Contract.

Vendor's Comprehensive General Public Liability and Property Damage Liability Insurance - The Vendor shall carry Comprehensive General Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injury to or death of one person, and subject to that limit for each person, a total limit of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries or death of two or more persons in any one accident; and Vendor's Comprehensive Property Damage Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of injury to or destruction of property in any one accident, and subject to that limit per accident, a total (or aggregate) limit or not less than One Million Dollars (\$1,000,000.00) for all damages arising out of injury to or destruction of property during the policy period.

Comprehensive Automotive and Property Damage Insurance - The Vendor shall carry Automobile Insurance covering all owned vehicles, hired vehicles or non-owned vehicles under the control of the Vendor while performing work under the Contract in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injuries to or death of one person and subject to that limit for each person, a total of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries to or death of two or more persons in any one accident; and Property Damage coverage in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages to or destruction of property.

The Vendor must carry Workman's Compensation Insurance in the amounts prescribed under Massachusetts State Law and meet all other City and State Laws and Regulations.

No cancellation(s) of such insurance, whether by the insurer or by the insured party shall be valid unless written notice thereof is given by the parties proposing cancellation to the other party and to the City of Salem at least fifteen (15) days prior to the intended effective date thereof, which date shall be expressed in said notice, which shall be sent by registered mail, return receipt requested. These provisions shall apply to the legal representative(s), trustee in bankruptcy, receiver, assignee, trustee, and successor(s) in interest of the Vendor.

All insurance coverage shall be at the sole expense of the Vendor and shall be placed with such company as may be acceptable to the City of Salem and shall constitute a material part of the contract documents.

Failure to provide written proof to City and continue in force such insurance as aforesaid shall be deemed a material breach of the contract, and may constitute sufficient grounds for immediate termination of the same.

All required insurance must be endorsed to name the CITY as Additional Insured. All required insurance shall be endorsed to waive the insurer's rights of subrogation against the City. All policies and certificate for insurance must contain language that the insurance shall not be canceled, materially changed or non-renewed without at least thirty (30) days advance written notice to the CITY. The CONTRACTOR under this CONTRACT shall not allow its subcontractors to begin work until similar insurance has been so obtained and certificates of insurance approved by the CONTRACTOR.

ARTICLE X. CORPORATE CONTRACTOR.

If CONTRACTOR is a corporation, CONTRACTOR shall endorse the Certificate of Corporate Authority for the CONTRACTORS' signatory (Attachment C), or shall otherwise provide a form similar in nature and substance acceptable to the CITY.

If CONTRACTOR is a non-profit corporation, CONTRACTOR shall provide satisfactory proof of present status as a non-profit corporation. Such proof shall be in the form of a certification from the Massachusetts Secretary of State's office and/or from the Internal Revenue Service and shall provide the Federal Tax Identification Number of the non-profit corporation. This agreement shall not be enforceable against the CITY unless and until the CONTRACTOR complies with this section. Failure to inform the CITY in writing of revocation, or other loss of non-profit status shall be deemed a material breach of this contract and operate as an immediate termination thereof.

ARTICLE XI. SUBJECT TO APPROPRIATION.

The obligations of the CITY under this CONTRACT shall be subject to appropriation. In the absence of appropriation this CONTRACT shall be immediately terminated without liability for damages, penalties, or other charges.

In the requisite circumstances, the obligations of the CITY under this CONTRACT shall be subject to the formal award of the state, federal grant.

ARTICLE XII. DOCUMENTS, MATERIALS, ETC.

Any materials, reports, information, data, etc. given to or prepared or assembled by the CONTRACTOR under this CONTRACT are to be kept confidential and shall not be made available to any individual or organization by the CONTRACTOR (except agents, servants, or employees of the CONTRACTOR) without the prior written approval of the CITY, except as otherwise required by law. The CONTRACTOR understands that he/she/it may acquire or have access to “personal data” otherwise kept by the CITY. The CONTRACTOR shall comply with the provisions Chapter 66A of the General Laws of Massachusetts as it relates to public documents, and all other state and federal laws and regulations relating to confidentiality, security privacy and use of confidential data.

Any materials produced in whole or in part under this CONTRACT shall not be subject to copyright, except by the CITY, in the United States or any other country. The CITY shall have unrestricted authority to, without payment of any royalty, commission, or additional fee of any type or nature, publicly disclose, reproduce, distribute and otherwise use, and authorize other to use, in whole or in part, any reports, data or other materials prepared under this CONTRACT.

All data, reports, programs, software, equipment, furnishings, and any other documentation or product paid for by the CITY shall vest in the CITY at the termination of this CONTRACT. The CONTRACTOR shall at all times, during or after termination of this CONTRACT, obtain the prior written approval of the CITY before making any statement bearing on the work performed or data collected under this CONTRACT to the press or issues any material for publication through any medium.

ARTICLE XIII. AUDIT, INSPECTION, RECORD KEEPING.

At any time during normal business hours, and as often as the CITY may deem it reasonably necessary, there shall be made available in the office of the CONTRACTOR for the purpose of audit, examination, and/or to make excerpts or transcripts, all records, contracts, invoices, materials, payrolls, records of personnel, conditions of employment and other data relating to all matters covered by this agreement.

Further the CONTRACTOR agrees to make its work papers, records and other evidence of audit available to the CITY for a period of three years after final payment under his CONTRACT. The CIT shall be entitled to reproduce any or all such documents at its own expense, for which provision shall be made at such time.

ARTICLE XIV. WEEKLY PAYROLL RECORDS REPORT.

In accordance with Massachusetts General Law c. 149, s. 27B, a true and accurate record must be kept of all individuals employed on a public works construction project for which prevailing wage rates are applicable.

In addition, every contractor and subcontractor is required to submit, on a weekly basis, a copy of their weekly payroll records to the awarding authority. Once collected, the awarding authority is also required to preserve those records for three years.

ARTICLE XV. CONFLICT OF INTEREST.

CITY. No officer, member or employee of the CITY and no members of its governing body who exercise any function or responsibility in review or approval of the undertaking or carrying out of this CONTRACT shall participate in any decision relating to the CONTRACT which affects his/her personal interests or the interest of any corporation, partnership, or association in which he/she has a direct or indirect pecuniary interest. None of the services to be provided by the CONTRACTOR shall be used for any partisan political activity or further the election or defeat of any candidate for political office in the CITY. Compliance with this section shall be material to the CONTRACT.

CONTRACTOR. CONTRACTOR agrees that his/her/its agents, servants, and employees have neither presently nor during the period of this CONTRACT any interest direct or indirect which would impair, detract, or conflict in any manner or degree with the performance of services required under this CONTRACT. The CONTRACTOR, his/her/its agents, servants or employees further stipulates that in the performance of this CONTRACT, no person having any such interest shall be employed. Conflicts of Interest include but are not limited to (a) immediate family relationships with officials of the CITY, (b) instances where the CONTRACTOR, his/her/it agents, servants or employees during the period of this CONTRACT was connected as an officer, employee or member of the governing body of the CITY, and (c) instances where the CONTRACTOR has an interest in any CITY department, its agents, servants or employees or parcels of land within the CITY. Compliance with this section shall be material to the CONTRACT.

ARTICLE XVI. PAYMENT.

The CITY agrees to make all reasonable efforts to pay to the CONTRACTOR the sum set forth in the CONTRACTOR'S bid or proposal within thirty (30) days of receipt of an invoice at the Office of the City Auditor detailing the work completed.

Subject to pending statutory appeal rights, CONTRACTOR agrees that all sums otherwise due and payable to the CITY for outstanding taxes, fines, fees and or other municipal charges may be deducted from the sum(s) otherwise payable under this CONTRACT prior to disbursement to the CONTRACTOR.

ARTICLE XVII. CONFLICT.

In the event there is a conflict between these Articles and Attachment A. Attachment A shall supersede these Articles.

ARTICLE XVIII. WAIVER AND AMENDMENT.

The provisions contained in this CONTRACT may be modified only as specifically provided by ATTACHMENT B - ADDITIONAL TERMS AND CONDITIONS. Amendments, or waivers of any additional term, condition, covenant, duty or obligation contained in this CONTRACT may be made only by written amendment executed by all signatories to the original agreement, prior to the effective date of the amendment.

To the extent allowed by law, all conditions, duties, and obligations contained in this CONTRACT may be waived only by written agreement by both parties.

Forbearance or indulgence in any form or manner by a party shall not be construed as a waiver, nor in any manner limit the legal or equitable remedies available to that party. No waiver by either party of any default or breach shall constitute a waiver of any subsequent default or breach of a similar or different matter.

ARTICLE XIX. CERTIFICATION.

IN WITNESS WHEREOF, THE CONTRACTOR CERTIFIES, UNDER THE PAINS AND PENALTIES OF PERJURY, THAT THE CONTRACTOR IS IN COMPLIANCE WITH EACH OF THE FOLLOWING:

TAXES. PURSUANT to M.G.L. c. 62C, s. 49A, the CONTRACTOR has filed all state tax returns and complied with all laws of the Commonwealth relating to taxes.

DEBARMENT. The CONTRACTOR is not currently debarred or suspended by the Commonwealth of Massachusetts, or any of its entities or subdivisions.

AMERICANS WITH DISABILITIES ACT. The CONTRACTOR is aware of the recently enacted Americans with Disabilities Act which prohibits discrimination based upon disability and shall meet any relevant standards, and/or conditions set out in the bid/proposal documents, bid/proposal specifications, and/or ATTACHMENT A - SCOPE OF SERVICES.

ARTICLE XX. FORUM AND CHOICE OF LAW

This CONTRACT and any performance herein shall be governed by and be construed in accordance with the laws of Commonwealth. Any and all proceedings or actions relating to subject matter herein shall be brought and maintained in the courts of the Commonwealth or the federal district court sitting in the Commonwealth, which shall have exclusive jurisdiction thereof. This paragraph shall not be construed to limit any other legal rights of the parties.

IN WITNESS WHEREOF the parties have hereto and to three other identical instruments set forth their hands the day and year first above written.

THE CITY:

THE CONTRACTOR:

Kimberley Driscoll,
Mayor

Authorized Signature

Whitney Haskell,
Purchasing Agent

Approved as to form:

Elizabeth Rennard, Esq.,
City Solicitor

Approved as Contract Manager:

XXXXXXXXXXXXXXXXXXXX

I certify that funds have been encumbered
in the amount of : \$

Sarah Stanton,
Finance Director

Print Name

Print Title

Company

Status (Corporate/Non- Corporate)

Taxpayer Identification Number

Date

ATTACHMENT A

SCOPE OF SERVICES

INSTRUCTIONS FOR DEPARTMENT AND CONTRACTOR: Please attach for reference purposes a copy of all bid/proposal documents, including but not limited to (i) invitations/instructions for bidders (ii) invitation/instructions for proposers, (iii) general and specific conditions, and please provide a detailed description of all types of goods and/or services that will be provided pursuant to this CONTRACT, not otherwise provided in any bid/proposal instructions, specifications, conditions or other documents.

ATTACHMENT B

ADDITIONAL CONTRACT TERMS AND CONDITIONS

INSTRUCTIONS FOR DEPARTMENTS: *Please specify any additions or modifications to the terms and conditions (not to conflict with the public procurement laws or City ordinances or regulations):*

ATTACHMENT C

CERTIFICATE OF CORPORATE AUTHORITY

If the Contractor is a corporation, complete the following certification:

At a duly authorized meeting of the Board of Directors of the _____ (Name of the Corporation) held on _____ (Date), at which all the Directors were present or waived notice, it was voted that, _____ (Name), _____ (Officer) of this company, is authorized to execute Contracts and bonds in the name and behalf of said company, and affix its corporate seal thereto, and such execution of any Contract or obligation in this company's name on its behalf by such _____ (Officer) of the company, shall be valid and binding upon this company.

I hereby certify that I am the Clerk of the _____ (Name of the Corporation), that _____ (Name) is the duly elected _____ (Officer) of said company, and that the above vote has not been amended or rescinded and remains in full force and effect as of the date of the Contract.

A true copy,

Attest: _____
(Clerk)

Place of Business: _____

Corporate Seal:

PREVAILING WAGE RATES



**THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS**

Prevailing Wage Rates

**As determined by the Director under the provisions of the
Massachusetts General Laws, Chapter 149, Sections 26 to 27H**

RONALD L. WALKER, II
Secretary

WILLIAM D MCKINNEY
Director

CHARLES D. BAKER
Governor

KARYN E. POLITO
Lt. Governor

Awarding Authority: City of Salem
Contract Number: R-01 **City/Town:** SALEM
Description of Work: Fire detection and alarm system service, repair and related testing for Salem Public Schools.
Job Location: Various, Salem, MA, 01970

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the “Wage Request Number” on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule from the Department of Labor Standards (“DLS”) if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- All apprentices working on the project are required to be registered with the Massachusetts Division of Apprentice Standards (DAS). Apprentice must keep his/her apprentice identification card on his/her person during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. **If an apprentice rate is not listed on the prevailing wage schedule for the trade in which an apprentice is registered with the DAS, the apprentice must be paid the journeyworker's rate for the trade.**
- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule. Awarding authorities are required to request these updates no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. Contractors are required to obtain the wage schedules from awarding authorities, and to pay no less than these rates to covered workers. The annual update requirement is not applicable to 27F “rental of equipment” contracts.
- Every contractor or subcontractor which performs construction work on the project is required to submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee’s name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. A sample of a payroll reporting form may be obtained at <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may report the violation to the Fair Labor Division of the office of the Attorney General at (617) 727-3465.
- Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	06/01/2015	\$31.65	\$9.91	\$9.33	\$0.00	\$50.89
	08/01/2015	\$31.65	\$10.41	\$9.33	\$0.00	\$51.39
	12/01/2015	\$31.65	\$10.41	\$10.08	\$0.00	\$52.14
	06/01/2016	\$32.15	\$10.41	\$10.08	\$0.00	\$52.64
	08/01/2016	\$32.15	\$10.91	\$10.08	\$0.00	\$53.14
	12/01/2016	\$32.15	\$10.91	\$10.89	\$0.00	\$53.95
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	06/01/2015	\$31.72	\$9.91	\$9.33	\$0.00	\$50.96
	08/01/2015	\$31.72	\$10.41	\$9.33	\$0.00	\$51.46
	12/01/2015	\$31.72	\$10.41	\$10.08	\$0.00	\$52.21
	06/01/2016	\$32.22	\$10.41	\$10.08	\$0.00	\$52.71
	08/01/2016	\$32.22	\$10.91	\$10.08	\$0.00	\$53.21
	12/01/2016	\$32.22	\$10.91	\$10.89	\$0.00	\$54.02
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	06/01/2015	\$31.84	\$9.91	\$9.33	\$0.00	\$51.08
	08/01/2015	\$31.84	\$10.41	\$9.33	\$0.00	\$51.58
	12/01/2015	\$31.84	\$10.41	\$10.08	\$0.00	\$52.33
	06/01/2016	\$32.34	\$10.41	\$10.08	\$0.00	\$52.83
	08/01/2016	\$32.34	\$10.91	\$10.08	\$0.00	\$53.33
	12/01/2016	\$32.34	\$10.91	\$10.89	\$0.00	\$54.14
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$87.36	\$9.80	\$18.17	\$0.00	\$115.33
	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	12/01/2015	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	06/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
	12/01/2016	\$33.65	\$7.30	\$12.30	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i>	06/01/2015	\$33.43	\$10.40	\$5.95	\$0.00	\$49.78
	12/01/2015	\$34.38	\$10.40	\$5.95	\$0.00	\$50.73
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.83	\$10.00	\$14.55	\$0.00	\$67.38
	12/01/2015	\$44.08	\$10.00	\$14.55	\$0.00	\$68.63
	06/01/2016	\$44.83	\$10.00	\$14.55	\$0.00	\$69.38
	12/01/2016	\$46.08	\$10.00	\$14.55	\$0.00	\$70.63
	06/01/2017	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
	12/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.83	\$10.00	\$14.55	\$0.00	\$67.38
	12/01/2015	\$44.08	\$10.00	\$14.55	\$0.00	\$68.63
	06/01/2016	\$44.83	\$10.00	\$14.55	\$0.00	\$69.38
	12/01/2016	\$46.08	\$10.00	\$14.55	\$0.00	\$70.63
	06/01/2017	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
	12/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	12/01/2015	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	06/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
	12/01/2016	\$33.65	\$7.30	\$12.30	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2010	\$37.70	\$6.97	\$11.18	\$0.00	\$55.85

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2010

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
2	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
3	70	\$26.39	\$6.97	\$11.18	\$0.00	\$44.54
4	75	\$28.28	\$6.97	\$11.18	\$0.00	\$46.43
5	80	\$30.16	\$6.97	\$11.18	\$0.00	\$48.31
6	85	\$32.05	\$6.97	\$11.18	\$0.00	\$50.20
7	90	\$33.93	\$6.97	\$11.18	\$0.00	\$52.08
8	95	\$35.82	\$6.97	\$11.18	\$0.00	\$53.97

Notes:

Apprentice to Journeyworker Ratio:1:5

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (LYNN)</i>	02/01/2015	\$48.96	\$10.18	\$18.50	\$0.00	\$77.64
	08/01/2015	\$49.86	\$10.18	\$18.57	\$0.00	\$78.61
	02/01/2016	\$50.43	\$10.18	\$18.57	\$0.00	\$79.18
	08/01/2016	\$51.33	\$10.18	\$18.65	\$0.00	\$80.16
	02/01/2017	\$51.90	\$10.18	\$18.65	\$0.00	\$80.73

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Lynn

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.48	\$10.18	\$18.50	\$0.00	\$53.16
2	60	\$29.38	\$10.18	\$18.50	\$0.00	\$58.06
3	70	\$34.27	\$10.18	\$18.50	\$0.00	\$62.95
4	80	\$39.17	\$10.18	\$18.50	\$0.00	\$67.85
5	90	\$44.06	\$10.18	\$18.50	\$0.00	\$72.74

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.93	\$10.18	\$18.57	\$0.00	\$53.68
2	60	\$29.92	\$10.18	\$18.57	\$0.00	\$58.67
3	70	\$34.90	\$10.18	\$18.57	\$0.00	\$63.65
4	80	\$39.89	\$10.18	\$18.57	\$0.00	\$68.64
5	90	\$44.87	\$10.18	\$18.57	\$0.00	\$73.62

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2015	\$36.20	\$7.30	\$13.40	\$0.00	\$56.90
	12/01/2015	\$36.95	\$7.30	\$13.40	\$0.00	\$57.65
	06/01/2016	\$37.70	\$7.30	\$13.40	\$0.00	\$58.40
	12/01/2016	\$38.70	\$7.30	\$13.40	\$0.00	\$59.40
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2015	\$35.05	\$7.30	\$13.40	\$0.00	\$55.75
	12/01/2015	\$35.80	\$7.30	\$13.40	\$0.00	\$56.50
	06/01/2016	\$36.55	\$7.30	\$13.40	\$0.00	\$57.25
	12/01/2016	\$37.55	\$7.30	\$13.40	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2015	\$35.05	\$7.30	\$13.40	\$0.00	\$55.75
	12/01/2015	\$35.80	\$7.30	\$13.40	\$0.00	\$56.50
	06/01/2016	\$36.55	\$7.30	\$13.40	\$0.00	\$57.25
	12/01/2016	\$37.55	\$7.30	\$13.40	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	03/01/2015	\$35.75	\$9.80	\$16.48	\$0.00	\$62.03

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.88	\$9.80	\$1.63	\$0.00	\$29.31
2	60	\$21.45	\$9.80	\$1.63	\$0.00	\$32.88
3	70	\$25.03	\$9.80	\$11.59	\$0.00	\$46.42
4	75	\$26.81	\$9.80	\$11.59	\$0.00	\$48.20
5	80	\$28.60	\$9.80	\$13.22	\$0.00	\$51.62
6	80	\$28.60	\$9.80	\$13.22	\$0.00	\$51.62
7	90	\$32.18	\$9.80	\$14.85	\$0.00	\$56.83
8	90	\$32.18	\$9.80	\$14.85	\$0.00	\$56.83

Notes:

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING <i>BRICKLAYERS LOCAL 3 (LYNN)</i>	01/01/2015	\$44.90	\$10.90	\$18.71	\$1.30	\$75.81
	07/01/2015	\$45.82	\$10.90	\$18.71	\$1.30	\$76.73
	01/01/2016	\$46.44	\$10.90	\$18.71	\$1.30	\$77.35

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Lynn)

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.45	\$10.90	\$12.21	\$0.00	\$45.56
2	60	\$26.94	\$10.90	\$13.71	\$1.30	\$52.85
3	65	\$29.19	\$10.90	\$14.71	\$1.30	\$56.10
4	70	\$31.43	\$10.90	\$15.71	\$1.30	\$59.34
5	75	\$33.68	\$10.90	\$16.71	\$1.30	\$62.59
6	80	\$35.92	\$10.90	\$17.71	\$1.30	\$65.83
7	90	\$40.41	\$10.90	\$18.71	\$1.30	\$71.32

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.91	\$10.90	\$12.21	\$0.00	\$46.02
2	60	\$27.49	\$10.90	\$13.71	\$1.30	\$53.40
3	65	\$29.78	\$10.90	\$14.71	\$1.30	\$56.69
4	70	\$32.07	\$10.90	\$15.71	\$1.30	\$59.98
5	75	\$34.37	\$10.90	\$16.71	\$1.30	\$63.28
6	80	\$36.66	\$10.90	\$17.71	\$1.30	\$66.57
7	90	\$41.24	\$10.90	\$18.71	\$1.30	\$72.15

Notes:

Steps 3,4 are 500 hrs. All other steps are 1,000 hrs.

Apprentice to Journeyworker Ratio:1:3

CHAIN SAW OPERATOR LABORERS - ZONE 2	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES OPERATING ENGINEERS LOCAL 4	06/01/2015	\$43.83	\$10.00	\$14.55	\$0.00	\$68.38
	12/01/2015	\$45.08	\$10.00	\$14.55	\$0.00	\$69.63
	06/01/2016	\$45.83	\$10.00	\$14.55	\$0.00	\$70.38
	12/01/2016	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
	06/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63
	12/01/2017	\$49.08	\$10.00	\$14.55	\$0.00	\$73.63

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

COMPRESSOR OPERATOR OPERATING ENGINEERS LOCAL 4	06/01/2015	\$29.61	\$10.00	\$14.55	\$0.00	\$54.16
	12/01/2015	\$30.48	\$10.00	\$14.55	\$0.00	\$55.03
	06/01/2016	\$31.00	\$10.00	\$14.55	\$0.00	\$55.55
	12/01/2016	\$31.87	\$10.00	\$14.55	\$0.00	\$56.42
	06/01/2017	\$32.56	\$10.00	\$14.55	\$0.00	\$57.11
	12/01/2017	\$33.25	\$10.00	\$14.55	\$0.00	\$57.80

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DELEADER (BRIDGE) PAINTERS LOCAL 35 - ZONE 2	01/01/2015	\$47.66	\$7.85	\$16.10	\$0.00	\$71.61
	07/01/2015	\$48.56	\$7.85	\$16.10	\$0.00	\$72.51
	01/01/2016	\$49.51	\$7.85	\$16.10	\$0.00	\$73.46
	07/01/2016	\$50.46	\$7.85	\$16.10	\$0.00	\$74.41
	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.83	\$7.85	\$0.00	\$0.00	\$31.68
2	55	\$26.21	\$7.85	\$3.66	\$0.00	\$37.72
3	60	\$28.60	\$7.85	\$3.99	\$0.00	\$40.44
4	65	\$30.98	\$7.85	\$4.32	\$0.00	\$43.15
5	70	\$33.36	\$7.85	\$14.11	\$0.00	\$55.32
6	75	\$35.75	\$7.85	\$14.44	\$0.00	\$58.04
7	80	\$38.13	\$7.85	\$14.77	\$0.00	\$60.75
8	90	\$42.89	\$7.85	\$15.44	\$0.00	\$66.18

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.28	\$7.85	\$0.00	\$0.00	\$32.13
2	55	\$26.71	\$7.85	\$3.66	\$0.00	\$38.22
3	60	\$29.14	\$7.85	\$3.99	\$0.00	\$40.98
4	65	\$31.56	\$7.85	\$4.32	\$0.00	\$43.73
5	70	\$33.99	\$7.85	\$14.11	\$0.00	\$55.95
6	75	\$36.42	\$7.85	\$14.44	\$0.00	\$58.71
7	80	\$38.85	\$7.85	\$14.77	\$0.00	\$61.47
8	90	\$43.70	\$7.85	\$15.44	\$0.00	\$66.99

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN LABORERS - ZONE 2	06/01/2015	\$35.25	\$7.30	\$13.20	\$0.00	\$55.75
	12/01/2015	\$36.00	\$7.30	\$13.20	\$0.00	\$56.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 2	06/01/2015	\$36.25	\$7.30	\$13.20	\$0.00	\$56.75
	12/01/2015	\$37.00	\$7.30	\$13.20	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: BURNERS LABORERS - ZONE 2	06/01/2015	\$36.00	\$7.30	\$13.20	\$0.00	\$56.50
	12/01/2015	\$36.75	\$7.30	\$13.20	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 2	06/01/2015	\$36.25	\$7.30	\$13.20	\$0.00	\$56.75
	12/01/2015	\$37.00	\$7.30	\$13.20	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$36.00	\$7.30	\$13.20	\$0.00	\$56.50
	12/01/2015	\$36.75	\$7.30	\$13.20	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER <i>LABORERS - ZONE 2</i>	06/01/2015	\$35.25	\$7.30	\$13.20	\$0.00	\$55.75
	12/01/2015	\$36.00	\$7.30	\$13.20	\$0.00	\$56.50
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$58.24	\$9.80	\$18.17	\$0.00	\$86.21
	08/01/2015	\$60.34	\$9.80	\$18.17	\$0.00	\$88.31
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$41.60	\$9.80	\$18.17	\$0.00	\$69.57
	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$62.40	\$9.80	\$18.17	\$0.00	\$90.37
	08/01/2015	\$64.65	\$9.80	\$18.17	\$0.00	\$92.62
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$87.36	\$9.80	\$18.17	\$0.00	\$115.33
	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
DRAWBRIDGE OPERATOR (Construction) <i>ELECTRICIANS LOCAL 103</i>	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54
For apprentice rates see "Apprentice- ELECTRICIAN"						
ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i>	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54

Apprentice - ELECTRICIAN - Local 103

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$18.07	\$13.00	\$0.54	\$0.00	\$31.61
2	40	\$18.07	\$13.00	\$0.54	\$0.00	\$31.61
3	45	\$20.33	\$13.00	\$11.64	\$0.00	\$44.97
4	45	\$20.33	\$13.00	\$11.64	\$0.00	\$44.97
5	50	\$22.59	\$13.00	\$11.98	\$0.00	\$47.57
6	55	\$24.84	\$13.00	\$12.33	\$0.00	\$50.17
7	60	\$27.10	\$13.00	\$12.66	\$0.00	\$52.76
8	65	\$29.36	\$13.00	\$13.01	\$0.00	\$55.37
9	70	\$31.62	\$13.00	\$13.35	\$0.00	\$57.97
10	75	\$33.88	\$13.00	\$13.70	\$0.00	\$60.58

Effective Date - 09/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$18.45	\$13.00	\$0.55	\$0.00	\$32.00
2	40	\$18.45	\$13.00	\$0.55	\$0.00	\$32.00
3	45	\$20.76	\$13.00	\$11.65	\$0.00	\$45.41
4	45	\$20.76	\$13.00	\$11.65	\$0.00	\$45.41
5	50	\$23.07	\$13.00	\$11.99	\$0.00	\$48.06
6	55	\$25.37	\$13.00	\$12.34	\$0.00	\$50.71
7	60	\$27.68	\$13.00	\$12.68	\$0.00	\$53.36
8	65	\$29.98	\$13.00	\$13.03	\$0.00	\$56.01
9	70	\$32.29	\$13.00	\$13.37	\$0.00	\$58.66
10	75	\$34.60	\$13.00	\$13.72	\$0.00	\$61.32

Notes :
App Prior 1/1/03; 30/35/40/45/50/55/65/70/75/80

Apprentice to Journeyworker Ratio:2:3***

ELEVATOR CONSTRUCTOR	01/01/2015	\$53.30	\$13.58	\$14.21	\$0.00	\$81.09
ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2016	\$54.53	\$14.43	\$14.96	\$0.00	\$83.92
	01/01/2017	\$55.86	\$15.28	\$15.71	\$0.00	\$86.85

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELEVATOR CONSTRUCTOR - Local 4

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.65	\$13.58	\$0.00	\$0.00	\$40.23
2	55	\$29.32	\$13.58	\$14.21	\$0.00	\$57.11
3	65	\$34.65	\$13.58	\$14.21	\$0.00	\$62.44
4	70	\$37.31	\$13.58	\$14.21	\$0.00	\$65.10
5	80	\$42.64	\$13.58	\$14.21	\$0.00	\$70.43

Effective Date - 01/01/2016

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$27.27	\$14.43	\$0.00	\$0.00	\$41.70
2	55	\$29.99	\$14.43	\$14.96	\$0.00	\$59.38
3	65	\$35.44	\$14.43	\$14.96	\$0.00	\$64.83
4	70	\$38.17	\$14.43	\$14.96	\$0.00	\$67.56
5	80	\$43.62	\$14.43	\$14.96	\$0.00	\$73.01

Notes:

Steps 1-2 are 6 mos.; Steps 3-5 are 1 year

Apprentice to Journeyworker Ratio:1:1

ELEVATOR CONSTRUCTOR HELPER <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2015	\$37.31	\$13.58	\$14.21	\$0.00	\$65.10
	01/01/2016	\$38.17	\$14.43	\$14.96	\$0.00	\$67.56
	01/01/2017	\$39.10	\$15.28	\$15.71	\$0.00	\$70.09

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2015	\$40.22	\$10.00	\$14.30	\$0.00	\$64.52
	11/01/2015	\$40.80	\$10.00	\$14.30	\$0.00	\$65.10
	05/01/2016	\$41.69	\$10.00	\$14.30	\$0.00	\$65.99
	11/01/2016	\$42.28	\$10.00	\$14.30	\$0.00	\$66.58
	05/01/2017	\$43.16	\$10.00	\$14.30	\$0.00	\$67.46
	11/01/2017	\$43.89	\$10.00	\$14.30	\$0.00	\$68.19
	05/01/2018	\$44.60	\$10.00	\$14.30	\$0.00	\$68.90

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2015	\$41.65	\$10.00	\$14.30	\$0.00	\$65.95
	11/01/2015	\$42.24	\$10.00	\$14.30	\$0.00	\$66.54
	05/01/2016	\$43.13	\$10.00	\$14.30	\$0.00	\$67.43
	11/01/2016	\$43.73	\$10.00	\$14.30	\$0.00	\$68.03
	05/01/2017	\$44.62	\$10.00	\$14.30	\$0.00	\$68.92
	11/01/2017	\$45.35	\$10.00	\$14.30	\$0.00	\$69.65
	05/01/2018	\$46.07	\$10.00	\$14.30	\$0.00	\$70.37

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	05/01/2015	\$21.68	\$10.00	\$14.30	\$0.00	\$45.98
	11/01/2015	\$22.02	\$10.00	\$14.30	\$0.00	\$46.32
	05/01/2016	\$22.54	\$10.00	\$14.30	\$0.00	\$46.84
	11/01/2016	\$22.89	\$10.00	\$14.30	\$0.00	\$47.19
	05/01/2017	\$23.42	\$10.00	\$14.30	\$0.00	\$47.72
	11/01/2017	\$23.84	\$10.00	\$14.30	\$0.00	\$48.14
	05/01/2018	\$24.27	\$10.00	\$14.30	\$0.00	\$48.57
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 103</i>	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS LOCAL 103</i>	03/01/2015	\$33.88	\$13.00	\$13.70	\$0.00	\$60.58
	09/01/2015	\$34.60	\$13.00	\$13.72	\$0.00	\$61.32
	03/01/2016	\$35.31	\$13.00	\$13.74	\$0.00	\$62.05
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$35.64	\$10.00	\$14.55	\$0.00	\$60.19
	12/01/2015	\$36.69	\$10.00	\$14.55	\$0.00	\$61.24
	06/01/2016	\$37.31	\$10.00	\$14.55	\$0.00	\$61.86
	12/01/2016	\$38.35	\$10.00	\$14.55	\$0.00	\$62.90
	06/01/2017	\$39.19	\$10.00	\$14.55	\$0.00	\$63.74
	12/01/2017	\$40.02	\$10.00	\$14.55	\$0.00	\$64.57
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER <i>LABORERS - ZONE 2</i>	06/01/2015	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
	12/01/2015	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
	06/01/2016	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
	12/01/2016	\$20.50	\$7.30	\$12.30	\$0.00	\$40.10
For apprentice rates see "Apprentice- LABORER"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE I</i>	09/01/2014	\$40.40	\$9.80	\$17.21	\$0.00	\$67.41

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone 1

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.20	\$9.80	\$1.79	\$0.00	\$31.79
2	55	\$22.22	\$9.80	\$1.79	\$0.00	\$33.81
3	60	\$24.24	\$9.80	\$11.84	\$0.00	\$45.88
4	65	\$26.26	\$9.80	\$11.84	\$0.00	\$47.90
5	70	\$28.28	\$9.80	\$13.63	\$0.00	\$51.71
6	75	\$30.30	\$9.80	\$13.63	\$0.00	\$53.73
7	80	\$32.32	\$9.80	\$15.42	\$0.00	\$57.54
8	85	\$34.34	\$9.80	\$15.42	\$0.00	\$59.56

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

FORK LIFT/CHERRY PICKER	06/01/2015	\$42.83	\$10.00	\$14.55	\$0.00	\$67.38
<i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2015	\$44.08	\$10.00	\$14.55	\$0.00	\$68.63
	06/01/2016	\$44.83	\$10.00	\$14.55	\$0.00	\$69.38
	12/01/2016	\$46.08	\$10.00	\$14.55	\$0.00	\$70.63
	06/01/2017	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
	12/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS	06/01/2015	\$29.61	\$10.00	\$14.55	\$0.00	\$54.16
<i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2015	\$30.48	\$10.00	\$14.55	\$0.00	\$55.03
	06/01/2016	\$31.00	\$10.00	\$14.55	\$0.00	\$55.55
	12/01/2016	\$31.87	\$10.00	\$14.55	\$0.00	\$56.42
	06/01/2017	\$32.56	\$10.00	\$14.55	\$0.00	\$57.11
	12/01/2017	\$33.25	\$10.00	\$14.55	\$0.00	\$57.80

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	01/01/2015	\$37.16	\$7.85	\$16.10	\$0.00	\$61.11
<i>GLAZIERS LOCAL 35 (ZONE 2)</i>	07/01/2015	\$38.06	\$7.85	\$16.10	\$0.00	\$62.01
	01/01/2016	\$39.01	\$7.85	\$16.10	\$0.00	\$62.96
	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86

Apprentice - GLAZIER - Local 35 Zone 2

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.58	\$7.85	\$0.00	\$0.00	\$26.43
2	55	\$20.44	\$7.85	\$3.66	\$0.00	\$31.95
3	60	\$22.30	\$7.85	\$3.99	\$0.00	\$34.14
4	65	\$24.15	\$7.85	\$4.32	\$0.00	\$36.32
5	70	\$26.01	\$7.85	\$14.11	\$0.00	\$47.97
6	75	\$27.87	\$7.85	\$14.44	\$0.00	\$50.16
7	80	\$29.73	\$7.85	\$14.77	\$0.00	\$52.35
8	90	\$33.44	\$7.85	\$15.44	\$0.00	\$56.73

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.03	\$7.85	\$0.00	\$0.00	\$26.88
2	55	\$20.93	\$7.85	\$3.66	\$0.00	\$32.44
3	60	\$22.84	\$7.85	\$3.99	\$0.00	\$34.68
4	65	\$24.74	\$7.85	\$4.32	\$0.00	\$36.91
5	70	\$26.64	\$7.85	\$14.11	\$0.00	\$48.60
6	75	\$28.55	\$7.85	\$14.44	\$0.00	\$50.84
7	80	\$30.45	\$7.85	\$14.77	\$0.00	\$53.07
8	90	\$34.25	\$7.85	\$15.44	\$0.00	\$57.54

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

HOISTING ENGINEER/CRANES/GRADALLS	06/01/2015	\$42.83	\$10.00	\$14.55	\$0.00	\$67.38
OPERATING ENGINEERS LOCAL 4	12/01/2015	\$44.08	\$10.00	\$14.55	\$0.00	\$68.63
	06/01/2016	\$44.83	\$10.00	\$14.55	\$0.00	\$69.38
	12/01/2016	\$46.08	\$10.00	\$14.55	\$0.00	\$70.63
	06/01/2017	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
	12/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 06/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$23.56	\$10.00	\$0.00	\$0.00	\$33.56
2	60	\$25.70	\$10.00	\$14.55	\$0.00	\$50.25
3	65	\$27.84	\$10.00	\$14.55	\$0.00	\$52.39
4	70	\$29.98	\$10.00	\$14.55	\$0.00	\$54.53
5	75	\$32.12	\$10.00	\$14.55	\$0.00	\$56.67
6	80	\$34.26	\$10.00	\$14.55	\$0.00	\$58.81
7	85	\$36.41	\$10.00	\$14.55	\$0.00	\$60.96
8	90	\$38.55	\$10.00	\$14.55	\$0.00	\$63.10

Effective Date - 12/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$24.24	\$10.00	\$0.00	\$0.00	\$34.24
2	60	\$26.45	\$10.00	\$14.55	\$0.00	\$51.00
3	65	\$28.65	\$10.00	\$14.55	\$0.00	\$53.20
4	70	\$30.86	\$10.00	\$14.55	\$0.00	\$55.41
5	75	\$33.06	\$10.00	\$14.55	\$0.00	\$57.61
6	80	\$35.26	\$10.00	\$14.55	\$0.00	\$59.81
7	85	\$37.47	\$10.00	\$14.55	\$0.00	\$62.02
8	90	\$39.67	\$10.00	\$14.55	\$0.00	\$64.22

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 17 - A	02/01/2015	\$43.28	\$10.20	\$20.54	\$2.22	\$76.24
	08/01/2015	\$44.28	\$10.20	\$20.54	\$2.22	\$77.24
	02/01/2016	\$45.28	\$10.20	\$20.54	\$2.22	\$78.24
	08/01/2016	\$46.43	\$10.20	\$20.54	\$2.22	\$79.39
	02/01/2017	\$47.53	\$10.20	\$20.54	\$2.22	\$80.49
	08/01/2017	\$48.63	\$10.20	\$20.54	\$2.22	\$81.59
	02/01/2018	\$49.78	\$10.20	\$20.54	\$2.22	\$82.74

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 103	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54

For apprentice rates see "Apprentice- ELECTRICIAN"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HVAC (TESTING AND BALANCING - AIR) <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	02/01/2015	\$43.28	\$10.20	\$20.54	\$2.22	\$76.24
	08/01/2015	\$44.28	\$10.20	\$20.54	\$2.22	\$77.24
	02/01/2016	\$45.28	\$10.20	\$20.54	\$2.22	\$78.24
	08/01/2016	\$46.43	\$10.20	\$20.54	\$2.22	\$79.39
	02/01/2017	\$47.53	\$10.20	\$20.54	\$2.22	\$80.49
	08/01/2017	\$48.63	\$10.20	\$20.54	\$2.22	\$81.59
	02/01/2018	\$49.78	\$10.20	\$20.54	\$2.22	\$82.74
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING - WATER) <i>PIPEFITTERS LOCAL 537 (Local 138)</i>	03/01/2015	\$46.36	\$9.70	\$14.89	\$0.00	\$70.95
	09/01/2015	\$47.36	\$9.70	\$14.89	\$0.00	\$71.95
	03/01/2016	\$48.36	\$9.70	\$14.89	\$0.00	\$72.95
	09/01/2016	\$49.36	\$9.70	\$14.89	\$0.00	\$73.95
	03/01/2017	\$50.36	\$9.70	\$14.89	\$0.00	\$74.95
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PIPEFITTERS LOCAL 537 (Local 138)</i>	03/01/2015	\$46.36	\$9.70	\$14.89	\$0.00	\$70.95
	09/01/2015	\$47.36	\$9.70	\$14.89	\$0.00	\$71.95
	03/01/2016	\$48.36	\$9.70	\$14.89	\$0.00	\$72.95
	09/01/2016	\$49.36	\$9.70	\$14.89	\$0.00	\$73.95
	03/01/2017	\$50.36	\$9.70	\$14.89	\$0.00	\$74.95
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	12/01/2015	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	06/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
	12/01/2016	\$33.65	\$7.30	\$12.30	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i>	09/01/2014	\$43.31	\$11.25	\$12.60	\$0.00	\$67.16

Apprentice - ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Boston

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.66	\$11.25	\$9.35	\$0.00	\$42.26
2	60	\$25.99	\$11.25	\$10.00	\$0.00	\$47.24
3	70	\$30.32	\$11.25	\$10.65	\$0.00	\$52.22
4	80	\$34.65	\$11.25	\$11.30	\$0.00	\$57.20

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (BOSTON AREA)</i>	03/16/2015	\$42.11	\$7.70	\$20.25	\$0.00	\$70.06
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - IRONWORKER - Local 7 Boston

Effective Date - 03/16/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.27	\$7.70	\$20.25	\$0.00	\$53.22
2	70	\$29.48	\$7.70	\$20.25	\$0.00	\$57.43
3	75	\$31.58	\$7.70	\$20.25	\$0.00	\$59.53
4	80	\$33.69	\$7.70	\$20.25	\$0.00	\$61.64
5	85	\$35.79	\$7.70	\$20.25	\$0.00	\$63.74
6	90	\$37.90	\$7.70	\$20.25	\$0.00	\$65.85

Notes:

** Structural 1:6; Ornamental 1:4

Apprentice to Journeyworker Ratio:**

JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 2	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

LABORER LABORERS - ZONE 2	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50

Apprentice - LABORER - Zone 2

Effective Date - 06/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$18.69	\$7.30	\$12.30	\$0.00	\$38.29
2	70	\$21.81	\$7.30	\$12.30	\$0.00	\$41.41
3	80	\$24.92	\$7.30	\$12.30	\$0.00	\$44.52
4	90	\$28.04	\$7.30	\$12.30	\$0.00	\$47.64

Effective Date - 12/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$18.99	\$7.30	\$12.30	\$0.00	\$38.59
2	70	\$22.16	\$7.30	\$12.30	\$0.00	\$41.76
3	80	\$25.32	\$7.30	\$12.30	\$0.00	\$44.92
4	90	\$28.49	\$7.30	\$12.30	\$0.00	\$48.09

Notes:

Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: CARPENTER TENDER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.35	\$7.30	\$12.25	\$0.00	\$50.90
	12/01/2015	\$31.85	\$7.30	\$12.25	\$0.00	\$51.40
For apprentice rates see "Apprentice- LABORER"						
LABORER: MASON TENDER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50
This classification applies to all tree work associated with the removal of standing trees, and trimming and removal of branches and limbs when the work is not done for a utility company for the purpose of operation, maintenance or repair of utility company equipment. For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	02/01/2015	\$37.37	\$10.18	\$17.18	\$0.00	\$64.73
	08/01/2015	\$38.08	\$10.18	\$17.25	\$0.00	\$65.51
	02/01/2016	\$38.53	\$10.18	\$17.25	\$0.00	\$65.96
	08/01/2016	\$39.23	\$10.18	\$17.33	\$0.00	\$66.74
	02/01/2017	\$39.69	\$10.18	\$17.33	\$0.00	\$67.20

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE & TILE FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.69	\$10.18	\$17.18	\$0.00	\$46.05
2	60	\$22.42	\$10.18	\$17.18	\$0.00	\$49.78
3	70	\$26.16	\$10.18	\$17.18	\$0.00	\$53.52
4	80	\$29.90	\$10.18	\$17.18	\$0.00	\$57.26
5	90	\$33.63	\$10.18	\$17.18	\$0.00	\$60.99

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.04	\$10.18	\$17.25	\$0.00	\$46.47
2	60	\$22.85	\$10.18	\$17.25	\$0.00	\$50.28
3	70	\$26.66	\$10.18	\$17.25	\$0.00	\$54.09
4	80	\$30.46	\$10.18	\$17.25	\$0.00	\$57.89
5	90	\$34.27	\$10.18	\$17.25	\$0.00	\$61.70

Notes:

Apprentice to Journeyworker Ratio:1:3

MARBLE MASONS, TILELAYERS & TERRAZZO MECH	02/01/2015	\$49.00	\$10.18	\$18.50	\$0.00	\$77.68
BRICKLAYERS LOCAL 3 - MARBLE & TILE	08/01/2015	\$49.90	\$10.18	\$18.57	\$0.00	\$78.65
	02/01/2016	\$50.47	\$10.18	\$18.57	\$0.00	\$79.22
	08/01/2016	\$51.37	\$10.18	\$18.65	\$0.00	\$80.20
	02/01/2017	\$51.94	\$10.18	\$18.65	\$0.00	\$80.77

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble & Tile

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.50	\$10.18	\$18.50	\$0.00	\$53.18
2	60	\$29.40	\$10.18	\$18.50	\$0.00	\$58.08
3	70	\$34.30	\$10.18	\$18.50	\$0.00	\$62.98
4	80	\$39.20	\$10.18	\$18.50	\$0.00	\$67.88
5	90	\$44.10	\$10.18	\$18.50	\$0.00	\$72.78

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.95	\$10.18	\$18.57	\$0.00	\$53.70
2	60	\$29.94	\$10.18	\$18.57	\$0.00	\$58.69
3	70	\$34.93	\$10.18	\$18.57	\$0.00	\$63.68
4	80	\$39.92	\$10.18	\$18.57	\$0.00	\$68.67
5	90	\$44.91	\$10.18	\$18.57	\$0.00	\$73.66

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MILLWRIGHT (Zone 1) <i>MILLWRIGHTS LOCAL 1121 - Zone 1</i>	04/01/2015	\$37.64	\$9.80	\$16.21	\$0.00	\$63.65

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 1

Effective Date - 04/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$20.70	\$9.80	\$4.48	\$0.00	\$34.98
2	65	\$24.47	\$9.80	\$13.36	\$0.00	\$47.63
3	75	\$28.23	\$9.80	\$14.18	\$0.00	\$52.21
4	85	\$31.99	\$9.80	\$14.99	\$0.00	\$56.78

Notes:

Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:5

MORTAR MIXER <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

OILER (OTHER THAN TRUCK CRANES,GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$21.97	\$10.00	\$14.55	\$0.00	\$46.52
	12/01/2015	\$22.62	\$10.00	\$14.55	\$0.00	\$47.17
	06/01/2016	\$23.01	\$10.00	\$14.55	\$0.00	\$47.56
	12/01/2016	\$23.66	\$10.00	\$14.55	\$0.00	\$48.21
	06/01/2017	\$24.17	\$10.00	\$14.55	\$0.00	\$48.72
	12/01/2017	\$24.69	\$10.00	\$14.55	\$0.00	\$49.24

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$25.68	\$10.00	\$14.55	\$0.00	\$50.23
	12/01/2015	\$26.43	\$10.00	\$14.55	\$0.00	\$50.98
	06/01/2016	\$26.89	\$10.00	\$14.55	\$0.00	\$51.44
	12/01/2016	\$27.64	\$10.00	\$14.55	\$0.00	\$52.19
	06/01/2017	\$28.24	\$10.00	\$14.55	\$0.00	\$52.79
	12/01/2017	\$28.85	\$10.00	\$14.55	\$0.00	\$53.40

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PAINTER (BRIDGES/TANKS) <i>PAINTERS LOCAL 35 - ZONE 2</i>	01/01/2015	\$47.66	\$7.85	\$16.10	\$0.00	\$71.61
	07/01/2015	\$48.56	\$7.85	\$16.10	\$0.00	\$72.51
	01/01/2016	\$49.51	\$7.85	\$16.10	\$0.00	\$73.46
	07/01/2016	\$50.46	\$7.85	\$16.10	\$0.00	\$74.41
	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.83	\$7.85	\$0.00	\$0.00	\$31.68
2	55	\$26.21	\$7.85	\$3.66	\$0.00	\$37.72
3	60	\$28.60	\$7.85	\$3.99	\$0.00	\$40.44
4	65	\$30.98	\$7.85	\$4.32	\$0.00	\$43.15
5	70	\$33.36	\$7.85	\$14.11	\$0.00	\$55.32
6	75	\$35.75	\$7.85	\$14.44	\$0.00	\$58.04
7	80	\$38.13	\$7.85	\$14.77	\$0.00	\$60.75
8	90	\$42.89	\$7.85	\$15.44	\$0.00	\$66.18

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.28	\$7.85	\$0.00	\$0.00	\$32.13
2	55	\$26.71	\$7.85	\$3.66	\$0.00	\$38.22
3	60	\$29.14	\$7.85	\$3.99	\$0.00	\$40.98
4	65	\$31.56	\$7.85	\$4.32	\$0.00	\$43.73
5	70	\$33.99	\$7.85	\$14.11	\$0.00	\$55.95
6	75	\$36.42	\$7.85	\$14.44	\$0.00	\$58.71
7	80	\$38.85	\$7.85	\$14.77	\$0.00	\$61.47
8	90	\$43.70	\$7.85	\$15.44	\$0.00	\$66.99

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, NEW) *	01/01/2015	\$38.56	\$7.85	\$16.10	\$0.00	\$62.51
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$39.46	\$7.85	\$16.10	\$0.00	\$63.41
	01/01/2016	\$40.41	\$7.85	\$16.10	\$0.00	\$64.36
	07/01/2016	\$41.36	\$7.85	\$16.10	\$0.00	\$65.31
	01/01/2017	\$42.31	\$7.85	\$16.10	\$0.00	\$66.26

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - New

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.28	\$7.85	\$0.00	\$0.00	\$27.13
2	55	\$21.21	\$7.85	\$3.66	\$0.00	\$32.72
3	60	\$23.14	\$7.85	\$3.99	\$0.00	\$34.98
4	65	\$25.06	\$7.85	\$4.32	\$0.00	\$37.23
5	70	\$26.99	\$7.85	\$14.11	\$0.00	\$48.95
6	75	\$28.92	\$7.85	\$14.44	\$0.00	\$51.21
7	80	\$30.85	\$7.85	\$14.77	\$0.00	\$53.47
8	90	\$34.70	\$7.85	\$15.44	\$0.00	\$57.99

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.73	\$7.85	\$0.00	\$0.00	\$27.58
2	55	\$21.70	\$7.85	\$3.66	\$0.00	\$33.21
3	60	\$23.68	\$7.85	\$3.99	\$0.00	\$35.52
4	65	\$25.65	\$7.85	\$4.32	\$0.00	\$37.82
5	70	\$27.62	\$7.85	\$14.11	\$0.00	\$49.58
6	75	\$29.60	\$7.85	\$14.44	\$0.00	\$51.89
7	80	\$31.57	\$7.85	\$14.77	\$0.00	\$54.19
8	90	\$35.51	\$7.85	\$15.44	\$0.00	\$58.80

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT)	01/01/2015	\$36.62	\$7.85	\$16.10	\$0.00	\$60.57
PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$37.52	\$7.85	\$16.10	\$0.00	\$61.47
	01/01/2016	\$38.47	\$7.85	\$16.10	\$0.00	\$62.42
	07/01/2016	\$39.42	\$7.85	\$16.10	\$0.00	\$63.37
	01/01/2017	\$40.37	\$7.85	\$16.10	\$0.00	\$64.32

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.31	\$7.85	\$0.00	\$0.00	\$26.16
2	55	\$20.14	\$7.85	\$3.66	\$0.00	\$31.65
3	60	\$21.97	\$7.85	\$3.99	\$0.00	\$33.81
4	65	\$23.80	\$7.85	\$4.32	\$0.00	\$35.97
5	70	\$25.63	\$7.85	\$14.11	\$0.00	\$47.59
6	75	\$27.47	\$7.85	\$14.44	\$0.00	\$49.76
7	80	\$29.30	\$7.85	\$14.77	\$0.00	\$51.92
8	90	\$32.96	\$7.85	\$15.44	\$0.00	\$56.25

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.76	\$7.85	\$0.00	\$0.00	\$26.61
2	55	\$20.64	\$7.85	\$3.66	\$0.00	\$32.15
3	60	\$22.51	\$7.85	\$3.99	\$0.00	\$34.35
4	65	\$24.39	\$7.85	\$4.32	\$0.00	\$36.56
5	70	\$26.26	\$7.85	\$14.11	\$0.00	\$48.22
6	75	\$28.14	\$7.85	\$14.44	\$0.00	\$50.43
7	80	\$30.02	\$7.85	\$14.77	\$0.00	\$52.64
8	90	\$33.77	\$7.85	\$15.44	\$0.00	\$57.06

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (TRAFFIC MARKINGS) LABORERS - ZONE 2	06/01/2015	\$31.15	\$7.30	\$12.30	\$0.00	\$50.75
	12/01/2015	\$31.65	\$7.30	\$12.30	\$0.00	\$51.25
	06/01/2016	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2016	\$32.90	\$7.30	\$12.30	\$0.00	\$52.50

For Apprentice rates see "Apprentice- LABORER"

PAINTER / TAPER (BRUSH, NEW) *	01/01/2015	\$37.16	\$7.85	\$16.10	\$0.00	\$61.11
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$38.06	\$7.85	\$16.10	\$0.00	\$62.01
	01/01/2016	\$39.01	\$7.85	\$16.10	\$0.00	\$62.96
	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.58	\$7.85	\$0.00	\$0.00	\$26.43
2	55	\$20.44	\$7.85	\$3.66	\$0.00	\$31.95
3	60	\$22.30	\$7.85	\$3.99	\$0.00	\$34.14
4	65	\$24.15	\$7.85	\$4.32	\$0.00	\$36.32
5	70	\$26.01	\$7.85	\$14.11	\$0.00	\$47.97
6	75	\$27.87	\$7.85	\$14.44	\$0.00	\$50.16
7	80	\$29.73	\$7.85	\$14.77	\$0.00	\$52.35
8	90	\$33.44	\$7.85	\$15.44	\$0.00	\$56.73

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.03	\$7.85	\$0.00	\$0.00	\$26.88
2	55	\$20.93	\$7.85	\$3.66	\$0.00	\$32.44
3	60	\$22.84	\$7.85	\$3.99	\$0.00	\$34.68
4	65	\$24.74	\$7.85	\$4.32	\$0.00	\$36.91
5	70	\$26.64	\$7.85	\$14.11	\$0.00	\$48.60
6	75	\$28.55	\$7.85	\$14.44	\$0.00	\$50.84
7	80	\$30.45	\$7.85	\$14.77	\$0.00	\$53.07
8	90	\$34.25	\$7.85	\$15.44	\$0.00	\$57.54

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT)	01/01/2015	\$35.22	\$7.85	\$16.10	\$0.00	\$59.17
PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$36.12	\$7.85	\$16.10	\$0.00	\$60.07
	01/01/2016	\$37.07	\$7.85	\$16.10	\$0.00	\$61.02
	07/01/2016	\$38.02	\$7.85	\$16.10	\$0.00	\$61.97
	01/01/2017	\$38.97	\$7.85	\$16.10	\$0.00	\$62.92

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.61	\$7.85	\$0.00	\$0.00	\$25.46
2	55	\$19.37	\$7.85	\$3.66	\$0.00	\$30.88
3	60	\$21.13	\$7.85	\$3.99	\$0.00	\$32.97
4	65	\$22.89	\$7.85	\$4.32	\$0.00	\$35.06
5	70	\$24.65	\$7.85	\$14.11	\$0.00	\$46.61
6	75	\$26.42	\$7.85	\$14.44	\$0.00	\$48.71
7	80	\$28.18	\$7.85	\$14.77	\$0.00	\$50.80
8	90	\$31.70	\$7.85	\$15.44	\$0.00	\$54.99

Effective Date - 07/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.06	\$7.85	\$0.00	\$0.00	\$25.91
2	55	\$19.87	\$7.85	\$3.66	\$0.00	\$31.38
3	60	\$21.67	\$7.85	\$3.99	\$0.00	\$33.51
4	65	\$23.48	\$7.85	\$4.32	\$0.00	\$35.65
5	70	\$25.28	\$7.85	\$14.11	\$0.00	\$47.24
6	75	\$27.09	\$7.85	\$14.44	\$0.00	\$49.38
7	80	\$28.90	\$7.85	\$14.77	\$0.00	\$51.52
8	90	\$32.51	\$7.85	\$15.44	\$0.00	\$55.80

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2012	\$30.28	\$9.07	\$8.00	\$0.00	\$47.35
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$41.60	\$9.80	\$18.17	\$0.00	\$69.57
	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07
PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$41.60	\$9.80	\$18.17	\$0.00	\$69.57
	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07

Apprentice - PILE DRIVER - Local 56 Zone 1

Effective Date - 08/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.80	\$9.80	\$18.17	\$0.00	\$48.77
2	60	\$24.96	\$9.80	\$18.17	\$0.00	\$52.93
3	70	\$29.12	\$9.80	\$18.17	\$0.00	\$57.09
4	75	\$31.20	\$9.80	\$18.17	\$0.00	\$59.17
5	80	\$33.28	\$9.80	\$18.17	\$0.00	\$61.25
6	80	\$33.28	\$9.80	\$18.17	\$0.00	\$61.25
7	90	\$37.44	\$9.80	\$18.17	\$0.00	\$65.41
8	90	\$37.44	\$9.80	\$18.17	\$0.00	\$65.41

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.55	\$9.80	\$18.17	\$0.00	\$49.52
2	60	\$25.86	\$9.80	\$18.17	\$0.00	\$53.83
3	70	\$30.17	\$9.80	\$18.17	\$0.00	\$58.14
4	75	\$32.33	\$9.80	\$18.17	\$0.00	\$60.30
5	80	\$34.48	\$9.80	\$18.17	\$0.00	\$62.45
6	80	\$34.48	\$9.80	\$18.17	\$0.00	\$62.45
7	90	\$38.79	\$9.80	\$18.17	\$0.00	\$66.76
8	90	\$38.79	\$9.80	\$18.17	\$0.00	\$66.76

Notes:

Apprentice to Journeyworker Ratio:1:3

PIPEFITTER & STEAMFITTER	03/01/2015	\$46.36	\$9.70	\$14.89	\$0.00	\$70.95
PIPEFITTERS LOCAL 537 (Local 138)	09/01/2015	\$47.36	\$9.70	\$14.89	\$0.00	\$71.95
	03/01/2016	\$48.36	\$9.70	\$14.89	\$0.00	\$72.95
	09/01/2016	\$49.36	\$9.70	\$14.89	\$0.00	\$73.95
	03/01/2017	\$50.36	\$9.70	\$14.89	\$0.00	\$74.95

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PIPEFITTER Local 537 (Local 138)

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$18.54	\$9.70	\$5.50	\$0.00	\$33.74
2	45	\$20.86	\$9.70	\$14.89	\$0.00	\$45.45
3	60	\$27.82	\$9.70	\$14.89	\$0.00	\$52.41
4	70	\$32.45	\$9.70	\$14.89	\$0.00	\$57.04
5	80	\$37.09	\$9.70	\$14.89	\$0.00	\$61.68

Effective Date - 09/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$18.94	\$9.70	\$5.50	\$0.00	\$34.14
2	45	\$21.31	\$9.70	\$14.89	\$0.00	\$45.90
3	60	\$28.42	\$9.70	\$14.89	\$0.00	\$53.01
4	70	\$33.15	\$9.70	\$14.89	\$0.00	\$57.74
5	80	\$37.89	\$9.70	\$14.89	\$0.00	\$62.48

Notes:
 ** 1:3; 3:15; 1:10 thereafter / Steps are 1 yr.
 Refrig/AC Mechanic **1:1;1:2;2:4;3:6;4:8;5:10;6:12;7:14;8:17;9:20;10:23(Max)

Apprentice to Journeyworker Ratio:**

PIPELAYER	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
LABORERS - ZONE 2	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

PLUMBER	03/01/2015	\$46.13	\$10.32	\$14.89	\$0.00	\$71.34
PLUMBERS & GASFITTERS LOCAL 12 (Local 138)	09/01/2015	\$47.13	\$10.32	\$14.89	\$0.00	\$72.34
	03/01/2016	\$48.28	\$10.32	\$14.89	\$0.00	\$73.49
	09/01/2016	\$49.33	\$10.32	\$14.89	\$0.00	\$74.54
	03/01/2017	\$50.33	\$10.32	\$14.89	\$0.00	\$75.54

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PLUMBER/GASFITTER - Local 12 (Local 138)

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$16.15	\$10.32	\$5.54	\$0.00	\$32.01
2	40	\$18.45	\$10.32	\$6.27	\$0.00	\$35.04
3	55	\$25.37	\$10.32	\$8.42	\$0.00	\$44.11
4	65	\$29.98	\$10.32	\$9.87	\$0.00	\$50.17
5	75	\$34.60	\$10.32	\$11.30	\$0.00	\$56.22

Effective Date - 09/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$16.50	\$10.32	\$5.54	\$0.00	\$32.36
2	40	\$18.85	\$10.32	\$6.27	\$0.00	\$35.44
3	55	\$25.92	\$10.32	\$8.42	\$0.00	\$44.66
4	65	\$30.63	\$10.32	\$9.87	\$0.00	\$50.82
5	75	\$35.35	\$10.32	\$11.30	\$0.00	\$56.97

Notes:

Steps are 1 yr
Step 4 with lic\$53.20 Step5 with lic\$59.23

Apprentice to Journeyworker Ratio:1:5

PNEUMATIC CONTROLS (TEMP.) <i>PIPEFITTERS LOCAL 537 (Local 138)</i>	03/01/2015	\$46.36	\$9.70	\$14.89	\$0.00	\$70.95
	09/01/2015	\$47.36	\$9.70	\$14.89	\$0.00	\$71.95
	03/01/2016	\$48.36	\$9.70	\$14.89	\$0.00	\$72.95
	09/01/2016	\$49.36	\$9.70	\$14.89	\$0.00	\$73.95
	03/01/2017	\$50.36	\$9.70	\$14.89	\$0.00	\$74.95

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

POWDERMAN & BLASTER <i>LABORERS - ZONE 2</i>	06/01/2015	\$32.15	\$7.30	\$12.30	\$0.00	\$51.75
	12/01/2015	\$32.65	\$7.30	\$12.30	\$0.00	\$52.25
	06/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
	12/01/2016	\$33.90	\$7.30	\$12.30	\$0.00	\$53.50

For apprentice rates see "Apprentice- LABORER"

POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.83	\$10.00	\$14.55	\$0.00	\$67.38
	12/01/2015	\$44.08	\$10.00	\$14.55	\$0.00	\$68.63
	06/01/2016	\$44.83	\$10.00	\$14.55	\$0.00	\$69.38
	12/01/2016	\$46.08	\$10.00	\$14.55	\$0.00	\$70.63
	06/01/2017	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
	12/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.83	\$10.00	\$14.55	\$0.00	\$67.38
	12/01/2015	\$44.08	\$10.00	\$14.55	\$0.00	\$68.63
	06/01/2016	\$44.83	\$10.00	\$14.55	\$0.00	\$69.38
	12/01/2016	\$46.08	\$10.00	\$14.55	\$0.00	\$70.63
	06/01/2017	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
	12/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$29.61	\$10.00	\$14.55	\$0.00	\$54.16
	12/01/2015	\$30.48	\$10.00	\$14.55	\$0.00	\$55.03
	06/01/2016	\$31.00	\$10.00	\$14.55	\$0.00	\$55.55
	12/01/2016	\$31.87	\$10.00	\$14.55	\$0.00	\$56.42
	06/01/2017	\$32.56	\$10.00	\$14.55	\$0.00	\$57.11
	12/01/2017	\$33.25	\$10.00	\$14.55	\$0.00	\$57.80
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 42</i>	05/01/2015	\$22.66	\$8.49	\$9.89	\$0.00	\$41.04
	11/01/2015	\$22.78	\$8.49	\$9.89	\$0.00	\$41.16
	04/30/2016	\$22.78	\$8.49	\$10.25	\$0.00	\$41.52
	05/01/2016	\$24.15	\$8.49	\$10.68	\$0.00	\$43.32
	04/30/2017	\$24.15	\$8.49	\$11.07	\$0.00	\$43.71
	05/01/2017	\$24.21	\$8.49	\$11.54	\$0.00	\$44.24
	04/30/2018	\$24.21	\$8.49	\$11.96	\$0.00	\$44.66
	05/01/2018	\$24.24	\$8.49	\$12.46	\$0.00	\$45.19
	04/30/2019	\$24.24	\$8.49	\$12.92	\$0.00	\$45.65
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RESIDENTIAL WOOD FRAME (All Other Work) <i>CARPENTERS -ZONE 2 (Residential Wood)</i>	04/01/2011	\$24.24	\$8.67	\$15.51	\$0.00	\$48.42
RESIDENTIAL WOOD FRAME CARPENTER **	05/01/2011	\$24.24	\$6.34	\$6.23	\$0.00	\$36.81

** The Residential Wood Frame Carpenter classification applies only to the construction of new, wood frame residences that do not exceed four stories including the basement. *CARPENTERS -ZONE 2 (Residential Wood)*

As of 9/1/09 Carpentry work on wood-frame residential WEATHERIZATION projects shall be paid the RESIDENTIAL WOOD FRAME CARPENTER rate.

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER (Residential Wood Frame) - Zone 2

Effective Date - 05/01/2011

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$14.54	\$6.34	\$0.00	\$0.00	\$20.88
2	60	\$14.54	\$6.34	\$6.23	\$0.00	\$27.11
3	65	\$15.76	\$6.34	\$6.23	\$0.00	\$28.33
4	70	\$16.97	\$6.34	\$6.23	\$0.00	\$29.54
5	75	\$18.18	\$6.34	\$6.23	\$0.00	\$30.75
6	80	\$19.39	\$6.34	\$6.23	\$0.00	\$31.96
7	85	\$20.60	\$6.34	\$6.23	\$0.00	\$33.17
8	90	\$21.82	\$6.34	\$6.23	\$0.00	\$34.39

Notes:

Apprentice to Journeyworker Ratio:1:5

RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

ROOFER (Inc.Roofer Waterproofng &Roofer Damproofg) <i>ROOFERS LOCAL 33</i>	02/01/2015	\$40.11	\$10.50	\$11.60	\$0.00	\$62.21
	08/01/2015	\$41.01	\$10.50	\$11.60	\$0.00	\$63.11
	02/01/2016	\$41.91	\$10.50	\$11.60	\$0.00	\$64.01

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ROOFER - Local 33

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.06	\$10.50	\$3.38	\$0.00	\$33.94
2	60	\$24.07	\$10.50	\$11.60	\$0.00	\$46.17
3	65	\$26.07	\$10.50	\$11.60	\$0.00	\$48.17
4	75	\$30.08	\$10.50	\$11.60	\$0.00	\$52.18
5	85	\$34.09	\$10.50	\$11.60	\$0.00	\$56.19

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.51	\$10.50	\$3.38	\$0.00	\$34.39
2	60	\$24.61	\$10.50	\$11.60	\$0.00	\$46.71
3	65	\$26.66	\$10.50	\$11.60	\$0.00	\$48.76
4	75	\$30.76	\$10.50	\$11.60	\$0.00	\$52.86
5	85	\$34.86	\$10.50	\$11.60	\$0.00	\$56.96

Notes: ** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1
 Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.

Apprentice to Journeyworker Ratio:**

ROOFER SLATE / TILE / PRECAST CONCRETE <i>ROOFERS LOCAL 33</i>	02/01/2015	\$40.36	\$10.50	\$11.60	\$0.00	\$62.46
	08/01/2015	\$41.26	\$10.50	\$11.60	\$0.00	\$63.36
	02/01/2016	\$42.16	\$10.50	\$11.60	\$0.00	\$64.26
For apprentice rates see "Apprentice- ROOFER"						
SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	02/01/2015	\$43.28	\$10.20	\$20.54	\$2.22	\$76.24
	08/01/2015	\$44.28	\$10.20	\$20.54	\$2.22	\$77.24
	02/01/2016	\$45.28	\$10.20	\$20.54	\$2.22	\$78.24
	08/01/2016	\$46.43	\$10.20	\$20.54	\$2.22	\$79.39
	02/01/2017	\$47.53	\$10.20	\$20.54	\$2.22	\$80.49
	08/01/2017	\$48.63	\$10.20	\$20.54	\$2.22	\$81.59
	02/01/2018	\$49.78	\$10.20	\$20.54	\$2.22	\$82.74

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.31	\$10.20	\$4.58	\$0.00	\$32.09
2	40	\$17.31	\$10.20	\$4.58	\$0.00	\$32.09
3	45	\$19.48	\$10.20	\$9.09	\$1.16	\$39.93
4	45	\$19.48	\$10.20	\$9.09	\$1.16	\$39.93
5	50	\$21.64	\$10.20	\$9.91	\$1.25	\$43.00
6	50	\$21.64	\$10.20	\$10.16	\$1.26	\$43.26
7	60	\$25.97	\$10.20	\$11.55	\$1.43	\$49.15
8	65	\$28.13	\$10.20	\$12.38	\$1.52	\$52.23
9	75	\$32.46	\$10.20	\$14.02	\$1.70	\$58.38
10	85	\$36.79	\$10.20	\$15.16	\$1.86	\$64.01

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.71	\$10.20	\$4.58	\$0.00	\$32.49
2	40	\$17.71	\$10.20	\$4.58	\$0.00	\$32.49
3	45	\$19.93	\$10.20	\$9.09	\$1.18	\$40.40
4	45	\$19.93	\$10.20	\$9.09	\$1.18	\$40.40
5	50	\$22.14	\$10.20	\$9.91	\$1.27	\$43.52
6	50	\$22.14	\$10.20	\$10.16	\$1.28	\$43.78
7	60	\$26.57	\$10.20	\$11.55	\$1.45	\$49.77
8	65	\$28.78	\$10.20	\$12.38	\$1.54	\$52.90
9	75	\$33.21	\$10.20	\$14.02	\$1.72	\$59.15
10	85	\$37.64	\$10.20	\$15.16	\$1.89	\$64.89

Notes:
Steps are 6 mos.

Apprentice to Journeyworker Ratio:1:4

SIGN ERECTOR PAINTERS LOCAL 35 - ZONE 2	06/01/2013	\$25.81	\$7.07	\$7.05	\$0.00	\$39.93
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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SIGN ERECTOR - Local 35 Zone 2

Effective Date - 06/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$12.91	\$7.07	\$0.00	\$0.00	\$19.98
2	55	\$14.20	\$7.07	\$2.45	\$0.00	\$23.72
3	60	\$15.49	\$7.07	\$2.45	\$0.00	\$25.01
4	65	\$16.78	\$7.07	\$2.45	\$0.00	\$26.30
5	70	\$18.07	\$7.07	\$7.05	\$0.00	\$32.19
6	75	\$19.36	\$7.07	\$7.05	\$0.00	\$33.48
7	80	\$20.65	\$7.07	\$7.05	\$0.00	\$34.77
8	85	\$21.94	\$7.07	\$7.05	\$0.00	\$36.06
9	90	\$23.23	\$7.07	\$7.05	\$0.00	\$37.35

Notes:
Steps are 4 mos.

Apprentice to Journeyworker Ratio:1:1

SPECIALIZED EARTH MOVING EQUIP < 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	06/01/2015	\$31.94	\$9.91	\$9.33	\$0.00	\$51.18
	08/01/2015	\$31.94	\$10.41	\$9.33	\$0.00	\$51.68
	12/01/2015	\$31.94	\$10.41	\$10.08	\$0.00	\$52.43
	06/01/2016	\$32.44	\$10.41	\$10.08	\$0.00	\$52.93
	08/01/2016	\$32.44	\$10.91	\$10.08	\$0.00	\$53.43
	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	06/01/2015	\$32.23	\$9.91	\$9.33	\$0.00	\$51.47
	08/01/2015	\$32.23	\$10.41	\$9.33	\$0.00	\$51.97
	12/01/2015	\$32.23	\$10.41	\$10.08	\$0.00	\$52.72
	06/01/2016	\$32.73	\$10.41	\$10.08	\$0.00	\$53.22
	08/01/2016	\$32.73	\$10.91	\$10.08	\$0.00	\$53.72
	12/01/2016	\$32.73	\$10.91	\$10.89	\$0.00	\$54.53
SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section B) Zone 2</i>	03/01/2015	\$48.99	\$8.42	\$14.90	\$0.00	\$72.31
	10/01/2015	\$50.03	\$8.42	\$14.90	\$0.00	\$73.35
	01/01/2016	\$50.03	\$8.67	\$15.05	\$0.00	\$73.75
	03/01/2016	\$50.93	\$8.67	\$15.05	\$0.00	\$74.65
	10/01/2016	\$51.97	\$8.67	\$15.05	\$0.00	\$75.69
	03/01/2017	\$52.87	\$8.67	\$15.05	\$0.00	\$76.59

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SPRINKLER FITTER - Local 550 (Section B) Zone 2

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.15	\$8.42	\$8.40	\$0.00	\$33.97
2	40	\$19.60	\$8.42	\$8.40	\$0.00	\$36.42
3	45	\$22.05	\$8.42	\$8.40	\$0.00	\$38.87
4	50	\$24.50	\$8.42	\$8.40	\$0.00	\$41.32
5	55	\$26.94	\$8.42	\$8.40	\$0.00	\$43.76
6	60	\$29.39	\$8.42	\$8.40	\$0.00	\$46.21
7	65	\$31.84	\$8.42	\$8.40	\$0.00	\$48.66
8	70	\$34.29	\$8.42	\$8.40	\$0.00	\$51.11
9	75	\$36.74	\$8.42	\$8.40	\$0.00	\$53.56
10	80	\$39.19	\$8.42	\$8.40	\$0.00	\$56.01

Effective Date - 10/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.51	\$8.42	\$8.40	\$0.00	\$34.33
2	40	\$20.01	\$8.42	\$8.40	\$0.00	\$36.83
3	45	\$22.51	\$8.42	\$8.40	\$0.00	\$39.33
4	50	\$25.02	\$8.42	\$8.40	\$0.00	\$41.84
5	55	\$27.52	\$8.42	\$8.40	\$0.00	\$44.34
6	60	\$30.02	\$8.42	\$8.40	\$0.00	\$46.84
7	65	\$32.52	\$8.42	\$8.40	\$0.00	\$49.34
8	70	\$35.02	\$8.42	\$8.40	\$0.00	\$51.84
9	75	\$37.52	\$8.42	\$8.40	\$0.00	\$54.34
10	80	\$40.02	\$8.42	\$8.40	\$0.00	\$56.84

Notes: Apprentice entered prior 9/30/10:
40/45/50/55/60/65/70/75/80/85
Steps are 850 hours

Apprentice to Journeyworker Ratio:1:3

STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TELECOMMUNICATION TECHNICIAN <i>ELECTRICIANS LOCAL 103</i>	03/01/2015	\$33.88	\$13.00	\$13.70	\$0.00	\$60.58
	09/01/2015	\$34.60	\$13.00	\$13.72	\$0.00	\$61.32
	03/01/2016	\$35.31	\$13.00	\$13.74	\$0.00	\$62.05

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$13.55	\$13.00	\$0.41	\$0.00	\$26.96
2	40	\$13.55	\$13.00	\$0.41	\$0.00	\$26.96
3	45	\$15.25	\$13.00	\$10.87	\$0.00	\$39.12
4	45	\$15.25	\$13.00	\$10.87	\$0.00	\$39.12
5	50	\$16.94	\$13.00	\$11.11	\$0.00	\$41.05
6	55	\$18.63	\$13.00	\$11.38	\$0.00	\$43.01
7	60	\$20.33	\$13.00	\$11.64	\$0.00	\$44.97
8	65	\$22.02	\$13.00	\$11.89	\$0.00	\$46.91
9	70	\$23.72	\$13.00	\$12.15	\$0.00	\$48.87
10	75	\$25.41	\$13.00	\$12.41	\$0.00	\$50.82

Effective Date - 09/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$13.84	\$13.00	\$0.42	\$0.00	\$27.26
2	40	\$13.84	\$13.00	\$0.42	\$0.00	\$27.26
3	45	\$15.57	\$13.00	\$10.88	\$0.00	\$39.45
4	45	\$15.57	\$13.00	\$10.88	\$0.00	\$39.45
5	50	\$17.30	\$13.00	\$11.14	\$0.00	\$41.44
6	55	\$19.03	\$13.00	\$11.39	\$0.00	\$43.42
7	60	\$20.76	\$13.00	\$11.65	\$0.00	\$45.41
8	65	\$22.49	\$13.00	\$11.90	\$0.00	\$47.39
9	70	\$24.22	\$13.00	\$12.17	\$0.00	\$49.39
10	75	\$25.95	\$13.00	\$12.43	\$0.00	\$51.38

Notes:

Apprentice to Journeyworker Ratio:1:1

TERRAZZO FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	02/01/2015	\$47.90	\$10.18	\$18.50	\$0.00	\$76.58
	08/01/2015	\$48.80	\$10.18	\$18.57	\$0.00	\$77.55
	02/01/2016	\$49.37	\$10.18	\$18.57	\$0.00	\$78.12
	08/01/2016	\$50.27	\$10.18	\$18.65	\$0.00	\$79.10
	02/01/2017	\$50.84	\$10.18	\$18.65	\$0.00	\$79.67

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.95	\$10.18	\$18.50	\$0.00	\$52.63
2	60	\$28.74	\$10.18	\$18.50	\$0.00	\$57.42
3	70	\$33.53	\$10.18	\$18.50	\$0.00	\$62.21
4	80	\$38.32	\$10.18	\$18.50	\$0.00	\$67.00
5	90	\$43.11	\$10.18	\$18.50	\$0.00	\$71.79

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.40	\$10.18	\$18.57	\$0.00	\$53.15
2	60	\$29.28	\$10.18	\$18.57	\$0.00	\$58.03
3	70	\$34.16	\$10.18	\$18.57	\$0.00	\$62.91
4	80	\$39.04	\$10.18	\$18.57	\$0.00	\$67.79
5	90	\$43.92	\$10.18	\$18.57	\$0.00	\$72.67

Notes:

Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2015	\$36.45	\$7.30	\$13.40	\$0.00	\$57.15
	12/01/2015	\$37.20	\$7.30	\$13.40	\$0.00	\$57.90
	06/01/2016	\$37.95	\$7.30	\$13.40	\$0.00	\$58.65
	12/01/2016	\$38.95	\$7.30	\$13.40	\$0.00	\$59.65

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2015	\$35.17	\$7.30	\$13.40	\$0.00	\$55.87
	12/01/2015	\$35.92	\$7.30	\$13.40	\$0.00	\$56.62
	06/01/2016	\$36.67	\$7.30	\$13.40	\$0.00	\$57.37
	12/01/2016	\$37.67	\$7.30	\$13.40	\$0.00	\$58.37

For apprentice rates see "Apprentice- LABORER"

TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2015	\$35.05	\$7.30	\$13.40	\$0.00	\$55.75
	12/01/2015	\$35.80	\$7.30	\$13.40	\$0.00	\$56.50
	06/01/2016	\$36.55	\$7.30	\$13.40	\$0.00	\$57.25
	12/01/2016	\$37.55	\$7.30	\$13.40	\$0.00	\$58.25

For apprentice rates see "Apprentice- LABORER"

TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.42	\$10.00	\$14.55	\$0.00	\$66.97
	12/01/2015	\$43.66	\$10.00	\$14.55	\$0.00	\$68.21
	06/01/2016	\$44.41	\$10.00	\$14.55	\$0.00	\$68.96
	12/01/2016	\$45.64	\$10.00	\$14.55	\$0.00	\$70.19
	06/01/2017	\$46.63	\$10.00	\$14.55	\$0.00	\$71.18
	12/01/2017	\$47.62	\$10.00	\$14.55	\$0.00	\$72.17

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	06/01/2015	\$32.52	\$9.91	\$9.33	\$0.00	\$51.76
	08/01/2015	\$32.52	\$10.41	\$9.33	\$0.00	\$52.26
	12/01/2015	\$32.52	\$10.41	\$10.08	\$0.00	\$53.01
	06/01/2016	\$33.02	\$10.41	\$10.08	\$0.00	\$53.51
	08/01/2016	\$33.02	\$10.91	\$10.08	\$0.00	\$54.01
	12/01/2016	\$33.02	\$10.91	\$10.89	\$0.00	\$54.82
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	06/01/2015	\$47.33	\$7.30	\$13.80	\$0.00	\$68.43
	12/01/2015	\$48.08	\$7.30	\$13.80	\$0.00	\$69.18
	06/01/2016	\$48.83	\$7.30	\$13.80	\$0.00	\$69.93
	12/01/2016	\$49.83	\$7.30	\$13.80	\$0.00	\$70.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	06/01/2015	\$49.33	\$7.30	\$13.80	\$0.00	\$70.43
	12/01/2015	\$50.08	\$7.30	\$13.80	\$0.00	\$71.18
	06/01/2016	\$50.83	\$7.30	\$13.80	\$0.00	\$71.93
	12/01/2016	\$51.83	\$7.30	\$13.80	\$0.00	\$72.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	06/01/2015	\$39.40	\$7.30	\$13.80	\$0.00	\$60.50
	12/01/2015	\$40.15	\$7.30	\$13.80	\$0.00	\$61.25
	06/01/2016	\$40.90	\$7.30	\$13.80	\$0.00	\$62.00
	12/01/2016	\$41.90	\$7.30	\$13.80	\$0.00	\$63.00
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	06/01/2015	\$41.40	\$7.30	\$13.80	\$0.00	\$62.50
	12/01/2015	\$42.15	\$7.30	\$13.80	\$0.00	\$63.25
	06/01/2016	\$42.90	\$7.30	\$13.80	\$0.00	\$64.00
	12/01/2016	\$43.90	\$7.30	\$13.80	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	06/01/2015	\$31.94	\$9.91	\$9.33	\$0.00	\$51.18
	08/01/2015	\$31.94	\$10.41	\$9.33	\$0.00	\$51.68
	12/01/2015	\$31.94	\$10.41	\$10.08	\$0.00	\$52.43
	06/01/2016	\$32.44	\$10.41	\$10.08	\$0.00	\$52.93
	08/01/2016	\$32.44	\$10.91	\$10.08	\$0.00	\$53.43
	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
WAGON DRILL OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2015	\$31.40	\$7.30	\$12.30	\$0.00	\$51.00
	12/01/2015	\$31.90	\$7.30	\$12.30	\$0.00	\$51.50
	06/01/2016	\$32.40	\$7.30	\$12.30	\$0.00	\$52.00
	12/01/2016	\$33.15	\$7.30	\$12.30	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2015	\$42.83	\$10.00	\$14.55	\$0.00	\$67.38
	12/01/2015	\$44.08	\$10.00	\$14.55	\$0.00	\$68.63
	06/01/2016	\$44.83	\$10.00	\$14.55	\$0.00	\$69.38
	12/01/2016	\$46.08	\$10.00	\$14.55	\$0.00	\$70.63
	06/01/2017	\$47.08	\$10.00	\$14.55	\$0.00	\$71.63
12/01/2017	\$48.08	\$10.00	\$14.55	\$0.00	\$72.63	
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12 (Local 138)</i>	03/01/2015	\$46.13	\$10.32	\$14.89	\$0.00	\$71.34
	09/01/2015	\$47.13	\$10.32	\$14.89	\$0.00	\$72.34
	03/01/2016	\$48.28	\$10.32	\$14.89	\$0.00	\$73.49
	09/01/2016	\$49.33	\$10.32	\$14.89	\$0.00	\$74.54
	03/01/2017	\$50.33	\$10.32	\$14.89	\$0.00	\$75.54
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
Outside Electrical - East						
CABLE TECHNICIAN (Power Zone) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$25.66	\$8.70	\$4.48	\$0.00	\$38.84
For apprentice rates see "Apprentice- LINEMAN"						
CABLEMAN (Underground Ducts & Cables) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$36.55	\$8.70	\$6.58	\$0.00	\$51.83
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN CDL <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$29.94	\$8.70	\$6.05	\$0.00	\$44.69
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$23.52	\$8.70	\$5.24	\$0.00	\$37.46
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class A CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$36.35	\$8.70	\$9.43	\$0.00	\$54.48
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class B CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$32.08	\$8.70	\$6.59	\$0.00	\$47.37
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$23.52	\$8.70	\$3.72	\$0.00	\$35.94
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$19.25	\$8.70	\$2.85	\$0.00	\$30.80
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$42.77	\$8.70	\$11.78	\$0.00	\$63.25

Apprentice - LINEMAN (Outside Electrical) - East Local 104

Effective Date - 09/01/2013

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.66	\$8.70	\$4.24	\$0.00	\$38.60
2	65	\$27.80	\$8.70	\$4.71	\$0.00	\$41.21
3	70	\$29.94	\$8.70	\$5.43	\$0.00	\$44.07
4	75	\$32.08	\$8.70	\$6.16	\$0.00	\$46.94
5	80	\$34.22	\$8.70	\$6.88	\$0.00	\$49.80
6	85	\$36.35	\$8.70	\$7.62	\$0.00	\$52.67
7	90	\$38.49	\$8.70	\$8.83	\$0.00	\$56.02

Notes:

Apprentice to Journeyworker Ratio:1:2

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	01/01/2015	\$28.12	\$4.25	\$3.09	\$0.00	\$35.46
	01/01/2016	\$28.98	\$4.25	\$3.12	\$0.00	\$36.35
TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	01/01/2015	\$26.49	\$4.25	\$3.04	\$0.00	\$33.78
	01/01/2016	\$27.31	\$4.25	\$3.07	\$0.00	\$34.63
TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	01/01/2015	\$26.49	\$4.25	\$3.04	\$0.00	\$33.78
	01/01/2016	\$27.31	\$4.25	\$3.07	\$0.00	\$34.63
TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/01/2015	\$18.05	\$3.55	\$0.00	\$0.00	\$21.60
	01/31/2016	\$18.51	\$3.55	\$0.00	\$0.00	\$22.06
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is not on the ground. This classification does not apply to wholesale tree removal.						
TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/01/2015	\$15.92	\$3.55	\$0.00	\$0.00	\$19.47
	01/31/2016	\$16.32	\$3.55	\$0.00	\$0.00	\$19.87
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is on the ground. This classification does not apply to wholesale tree removal.						

Additional Apprentices Information:

Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentices ratios are established by the Division of Apprenticeship Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprenticeship Training in accordance with M.G.L. c. 23, ss. 11E-11L.

All steps are six months (1000 hours.)

Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified.

** Multiple ratios are listed in the comment field.

*** APP to JM; 1:1, 2:2, 2:3, 3:4, 4:4, 4:5, 4:6, 5:7, 6:7, 6:8, 6:9, 7:10, 8:10, 8:11, 8:12, 9:13, 10:13, 10:14, etc.

**** APP to JM; 1:1, 1:2, 2:3, 2:4, 3:5, 4:6, 4:7, 5:8, 6:9, 6:10, 7:11, 8:12, 8:13, 9:14, 10:15, 10:16, etc.

ATTACHMENT A
CONTRACTOR INFORMATION PAGE

1. List the name address, contact information and company certificate number.

Company Name: _____
Address: _____

Telephone Number: _____
Emergency Number: _____
Facsimile Number: _____
Email Address: _____
Company Certificate Number: _____

2. List the name address, contact information and License number(s) for the principal of the company who is the holder of a valid Commonwealth of Massachusetts Examiner of Electricians, Master Electrician License Certificate A, or Systems Contractor License Certificate C.

Company Name: _____
Address: _____

Telephone Number: _____
Emergency Number: _____
Facsimile Number: _____
Email Address: _____

3. License Number(s):

Master Electrician License
Certificate A: _____
Systems Contractor License
Certificate C: _____

4. Number of full time employees licensed to provide service when requested within three (3) hours:

5. Number of service vehicles available within one (1) one hour with normal replacement components for the City of Salem School Department fire detection and alarm system, ladders, tools and all equipment necessary to provide service and emergency repair:

6. The direct twenty four (24) hour/day, seven (7) day/week, three hundred sixty five (365) day/year telephone line:

(_____) _____ - _____

7. The address where the records of the equipment installed at Salem School facilities, and where replacement parts will be stored and available to technicians for emergency repair:

Address:

8. The company has been engaged in providing service, repairs and the testing of fire detection and alarm systems on a contractual basis for _____ years.

ATTACHMENT B INVENTORY

1. Bates Elementary School

Location: 53-55 Liberty Hill Ave.
 System: SIMPLEX 4100
 Panel Location: Main Lobby

Panel:
 Horn/Strobe:
 Batteries: 2-12V 80AH NEW 6-30-14

Device	Address	Component or Location of Device
MS	M1-1	1ST FL OUTSIDE RM A-114
MS	M1-2	1ST FL STAIR A -101
SD	M1-3	1ST FL CORRIDOR OUTSIDE A-114
SD	M1-4	1ST FL CORRIDOR OUTSIDE A-117
SD	M1-5	1ST FL CORRIDOR OUTSIDE A-117
SD	M1-6	1ST FL CORRIDOR OUTSIDE A-112
SD	M1-7	1ST FL CORRIDOR OUTSIDE A-111
MS	M1-8	2ND FL CORRIDOR BY STAIR
SD	M1-9	2ND FL OUTSIDE RM A-207
SD	M1-10	2ND FL OUTSIDE RM 206
SD	M1-11	2ND FL CORRIDOR OUTSIDE RM 209
SD	M1-12	2ND FL CORRIDOR OUTSIDE RM 208
MS	M1-13	BASEMENT FIRE PUMP RM
MS	M1-14	BASEMENT CORR OUTSIDE B-002
SD	M1-15	BASEMENT CORR OUTSIDE B-005
SD	M1-16	BASEMENT CORR BY INCINERATOR B-005
SD	M1-17	BASE CORR BY CUSTOD LOCKER B-002
SD	M1-18	BASEMENT CORR BY STORAGE B-010
SD	M1-19	BASEMENT CORR BY STORAGE B-010
SD	M1-20	BASEMENT STAIR B-007 (INSIDE STAIR)
SD	M1-21	BASEMENT REC STORAGE B-006
SD	M1-22	BASEMENT ELEVATOR MACH RM
HD	M1-23	BASEMENT ELECTRIC RM B-003 (RAI)
HD	M1-24	BASEMENT TRANSFER RM
HD	M1-25	BASEMENT ELEV MACH RM
TS	M1-28	BASEMENT STAIR 1 B1 3" butterfly valve
WF	M1-29	BASEMENT B WATERFLOW potter vsc threaded
WF	M1-30	MAIN WATERFLOW 6" system sensor
RELAY	M1-32	ELEV RECALL ALTERNATE

RELAY	M1-33	ELEV RECALL PRIMARY
MS	M1-34	1ST FL STAIR BY B-107
MS	M1-35	1ST FL ELEV LOBBY
MS	M1-36	1ST FL STAIR B-120
SD	M1-37	1ST FL CORRIDOR OUTSIDE B107
SD	M1-38	1ST FL CORRIDOR OUTSIDE B106
SD	M1-39	1ST FL CORRIDOR OUTSIDE B105
SD	M1-40	1ST FL CORRIDOR OUTSIDE B104
SD	M1-41	1ST FL CORRIDOR OUTSIDE B123
SD	M1-42	1ST FL ELEV LOBBY
SD	M1-43	1ST FL INSIDE RM B125
SD	M1-44	1ST FL CORRIDOR OUTSIDE B102
SD	M1-45	1ST FL CORRIDOR OUTSIDE B100
HD	M1-46	1ST FL ELEC RM
WF	M1-48	1st fl B WATERFLOW potter vsc threaded
TS	M1-49	1ST FL B TAMPER SWITCH 3" butterfly valve
Remote drill sw	M1-50	PRINCIPALS OFFICE DRILL SWITCH
SD	M1-51	Building A Glass Atrium
DD	M1-52	RTU-1
TS	M1-54	BASEMENT FIRE PUMP BYPASS VALVE # 4 6" butterfly valve
TS	M1-55	BASEMENT FIRE PUMP BYPASS VALVE # 2 6" butterfly valve
TS	M1-56	BASEMENT JOCKEY PUMP VALVE # 3 1" butterball valve
TS	M1-57	BASEMENT CITY SIDE TAMPER VALVE # 1 8" osy
TS	M1-58	BASE SYSTEM SIDE TAMPER VALVE # 5 6" osy
TS	M1-59	BASEMENT JOCKEY PUMP VALVE # 6 1" butterball valve
TS	M1-61	BASE CITY SIDE BACKFLOW VALVE # 7 6" osy
TS	M1-62	BASE BACKFLOW SYSTEM SIDE VALVE # 8 6" osy
TS	M1-63	BASEMENT BLDG A STANDPIPE VALVE #10 4" butterfly valve
TS	M1-64	BASEMENT BLDG B STANDPIPE VALVE # 11 4" butterfly valve
IAM	M1-65	FIRE PUMP IS RUNNING
TS	M1-66	BASEMENT BLDG C STANDPIPE VALVE # 12 6" butterfly valve
TS	M1-67	BASEMENT TEST HEADER VALVE #13
TS	M1-68	FIRE PUMP PHASE REVERSAL
IAM	M1-69	FIRE PUMP POWER FAIL
ISO	M1-124	ISO LOOP
ISO	M1-125	ISO LOOP
ISO	M1-126	ISO LOOP
ISO	M1-127	ISO LOOP
MS	M2-1	2ND FL STAIR OUTSIDE B1
DD	M2-2	2ND FL RTU-2 OUTSIDE STAIR B
DD	M2-3	2ND FL RTU-3 TEACHERS WORKROOM B-201

DD	M2-4	2ND FL RTU-4 OUTSIDE B-201
DD	M2-5	2ND FL RTU-5 LIBRARY
SD	M2-6	2ND FL CORRIDOR BY GEN CR SPED B-205
SD	M2-7	2ND FL CORRIDOR BY GEN CR 3RD B-204
SD	M2-8	2ND FL CORRIDOR BY GEN CR 3RD B-203
SD	M2-9	2ND FL CORRIDOR BY GEN CR 3RD B-202
SD	M2-10	2ND FL CORR OUTSIDE B-217
SD	M2-11	2ND FL CORR BY STAIR B-1
SD	M2-12	2ND FL STAIR B-216
SD	M2-13	2ND FL ELEV LOBBY
SD	M2-14	2ND FL CORR BY EMERGENCY ELEC RM B-201
SD	M2-15	2ND FL CORR BY COMPUTER B-200
SD	M2-16	2ND FL CORR BY B-219
SD	M2-17	2ND FL CORR BY TEACHER RES B-219
SD	M2-18	2ND FL AV STORAGE B-219 COMM RM
SD	M2-19	2ND FL NETWORK ADMIN B-200A
HD	M2-20	2ND FL ELECTRIC RM
HD	M2-21	2ND FL EMERGENCY ELECTRIC RM
HD	M2-22	2ND FL TOP OF ELEV SHAFT
MS	M2-23	BASEMENT REHEARSAL C-012 EXIT
MS	M2-24	BASEMENT STAIR BY STAGE
MS	M2-25	BASEMENT ELEV LOBBY
MS	M2-26	BASEMENT CAFETERIA
MS	M2-27	BASEMENT CAFETERIA
MS	M2-28	BASEMENT OUTSIDE KITCHEN EXIT
MS	M2-29	BASEMENT INSIDE KITCHEN EXIT
SD	M2-30	BASEMENT VESTIBULE C-013
SD	M2-31	BASEMENT STAIR C-011
SD	M2-32	BASEMENT STAIR OFF STAGE
SD	M2-33	BASE CORRIDOR BY RAMP BY ELEVATOR
SD	M2-34	BASEMENT CAFETERIA C-14
SD	M2-35	BASEMENT CAFETERIA C-14
SD	M2-36	BASEMENT CAFETERIA C-14
SD	M2-37	BASEMENT CAFETERIA C-14
SD	M2-38	BASEMENT CAFETERIA C-14
SD	M2-39	BASEMENT CAFETERIA C-14
SD	M2-40	BASEMENT CAFETERIA C-14
SD	M2-41	BASEMENT CAFETERIA C-14
SD	M2-42	BASEMENT LOBBY BY ELEVATOR
SD	M2-43	BASEMENT STAIR C-001
SD	M2-44	BASEMENT C138ELEVATOR LOBBY
SD	M2-45	BASEMENT C105TUTORIAL 015
SD	M2-46	BASEMENT OUTSIDE STAIR C 0015A

SD	M2-47	BASEMENT C117STAIR C-110
SD	M2-48	BASEMENT ELEVATOR MACHINE RM
HD	M2-49	BASEMENT ELECTRIC RM BY KITCHEN
ZAM	M2-51	ALTERNATE ELEVATOR RECALL
ZAM	M2-52	PRIMARY ELEVATOR RECALL
MS	M2-53	1ST FL C GYMNASIUM C-131
MS	M2-54	1ST FL C GYMNASIUM C-131
MS	M2-55	1ST FL ENTRANCE
DD	M2-56	1ST FL RTU-7 STAIRWELL BY GYM
DD	M2-57	1ST FL RTU-11 BOYS LOCKER RM GYM
DD	M2-58	1ST FL RTU-8 BEHIND RTU-9 TEST SWITCH
SD	M2-59	1ST FL C BY GYM STAIR C-011
SD	M2-60	1ST FL MID ELEVATOR LOBBY
SD	M2-61	1ST FL STAIR C-110
SD	M2-62	1ST FL MAIN LOBBY
SD	M2-63	1ST FL MAIN LOBBY
SD	M2-64	1ST FL C CORR BY ELEVATOR
SD	M2-65	1ST FL ELEV LOBBY GYM LEVEL
SD	M2-66	1ST FL ELEV LOBBY MAIN
DD	M2-67	1ST FL FOR GYM
DD	M2-68	1ST FL FOR GYM
SD	M2-69	2ND FL MAIN LOBBY
SD	M2-70	2ND FL ELEVATOR LOBBY
SD	M2-71	2ND FL BY ELEVATOR LOBBY
HD	M2-72	TOP OF ELEVATOR SHAFT
BEAM	M2-73	2ND FL UPPER GYMNASIUM
BEAM	M2-74	2ND FL C GYM UPPER GYMNASIUM
SD	M2-75	2ND FL MAIN LOBBY CEILING STAIR C-103
Ansul	M2-76	KITCHEN
SD	M2-77	1ST FL GYM STAIR C-017
TS	M2-78	2ND FL STAIRS TAMPER SWITCH 3" butterfly valve
WF	M2-79	2nd fl WATERFLOW potter vsc threaded
DD	M2-99	2ND FL RTU-6 A/V STORAGE B-221
IAM	M2-100	SALEM FIRE SIGNAL CUTOFF SWITCH
ISO	M2-124	ISO LOOP
ISO	M2-125	ISO LOOP
ISO	M2-126	ISO LOOP
ISO	M2-127	ISO LOOP

2. Bentley Elementary School

Location: 25 Memorial Drive
System: Notifier 640
Panel Location: 2nd Floor

Panel:
Horn/Strobe:
Batteries: 2 x 12V 55AH

Device	Address	Component or Location of Device
SD	L1D001	1ST FL CORRIDOR A1 BY ROOM A103
SD	L1D002	1ST FL CORRIDOR A1 BY ROOM A105
SD	L1D003	1ST FL CORRIDOR A1 BY ROOM A107
SD	L1D004	1ST FL CORRIDOR A1 BY ROOM A108
SD	L1D005	1ST FL CORRIDOR A1 BY ROOM A108
SD	L1D006	1ST FL CORRIDOR A1 BY ROOM A109
SD	L1D007	1ST FL CORRIDOR A1 BY ROOM A110
SD	L1D008	1ST FL CORRIDOR A1 BY ROOM A111
SD	L1D009	1ST FL CORRIDOR A1 BY ROOM A113
SD	L1D010	1ST FL CORRIDOR A1 BY ROOM A115
SD	L1D011	1ST FL CORRIDOR B1 BY BLDG A
SD	L1D012	1ST FL CORRIDOR B1 BY B116
SD	L1D013	1ST FL CORRIDOR B1 BY RESTROOMS
SD	L1D014	1ST CORRIDOR B1 BY ELEVATOR
SD	L1D015	1ST FL UPPER ATRIUM BLDG B
SD	L1D016	1ST FL CORRIDOR B1 BY BACK STAGE
SD	L1D017	1ST FL CORRIDOR B1 BY BACK STAGE
SD	L1D018	1ST FL CORRIDOR B1 BY GYMNASIUM
SD	L1D019	1ST FL GYMNASIUM
SD	L1D020	1ST FL GYMNASIUM
SD	L1D021	1ST FL CORRIDOR B1 BY GYMNASIUM
SD	L1D022	1ST FL CORRIDOR B1 BY GYMNASIUM
SD	L1D023	1ST FL CAFÉ BY KITCHEN
SD	L1D024	1ST FL GENERATOR RM OUTSIDE OF GYM
SD	L1D025	1ST FL MAIN ELECTRIC RM
SD	L1D026	1ST FL CORRIDOR B1 BY GYMNASIUM
SD	L1D027	1ST FL ELEVATOR 1 REAR LOBBY
SD	L1D028	1ST FL UPPER ATRIUM BLDG B
SD	L1D029	1ST FL CAFÉ BY ATRIUM
SD	L1D030	1ST FL CORRIDOR B1 BY BLDG C
SD	L1D031	1ST FL CORRIDOR C1 BY STAIR 4
SD	L1D032	1ST FL CORRISOR C1 BY C117
SD	L1D033	1ST FL CORRIDOR C1 BY C119
SD	L1D034	1ST FL ELECTRIC RM 4 BLDG C
SD	L1D035	1ST FL CORRIDOR C1 BY C121
SD	L1D036	1ST FL CORRIDOR C1 BY C123
SD	L1D037	1ST FL CORRIDOR C1 BY C125
SD	L1D038	1ST FL CORRIDOR C1 BY C127

DSD	L1D039	1ST FL HV1 SUPPLY ELECTRIC 1 BLDG B
DSD	L1D040	1ST FL HV 1 RETURN ELECTRIC 1 BLDG B
DSD	L1D041	1ST FL HV2 SUPPLY BLDG B
DSD	L1D042	1ST FL HV3 SUPPLY BLDG B
DSD	L1D043	1ST FL HV3 RETURN BLDG B
DSD	L1D044	1ST FL HV5 SUPPLY MECH RM BLDG C
DSD	L1D045	1ST FL HV5 RETURN MECH RM BLDG C
DSD	L1D046	1ST FL AC 1 RTU SUPPLY BLDG B
DSD	L1D047	1ST FL AC 1 RTU RETURN BLDG B
SD	L1D048	1ST FL ELEVATOR MACH RM 117
SD	L1D050	2ND FL CORRIDOR A2 BY A203
SD	L1D051	2ND FL CORRIDOR A2 BY A206
SD	L1D052	2ND FL CORRIDOR A2 BY A207
SD	L1D053	2ND FL CORRIDOR A2 BY A207
SD	L1D054	2ND FL CORRIDOR A2 BY A209
SD	L1D055	2ND FL CORRIDOR A2 BY A209
SD	L1D056	2ND FL CORRDIOR A2 BY A212
SD	L1D057	2ND FL CORRDIOR A2 BY A213
SD	L1D058	2ND FL CORRIDOR A2 BY A215
SD	L1D059	2ND FL CORRIDOR B2 BY STAIR 2
SD	L1D060	2ND FL CORRIDOR B2 BY RESTROOMS
SD	L1D061	2ND FL BLDG B ATRIUM BLDG A
SD	L1D062	2ND FL ELEVATOR 1 LOBBY BLDG B
SD	L1D063	2ND FL BLDG B ATRIUM BLDG C
SD	L1D064	2ND FL CORRIDOR B2 BY B217
SD	L1D065	2ND FL CORRIDOR C2 BY STAIR 4
SD	L1D066	2ND FL CORRIDOR C2 BY C219
SD	L1D067	2ND FL CORRIDOR C2 BY STAIR 5
DSD	L1D069	2ND FL HV4 MECH RM 2 BLDG B
MS's	L1M001	1ST FL BLDG A ON SAME MODULE
MS	L1M001	1ST FL IN CLASSROOM BLDG A 102
MS	L1M001	1ST FL IN CLASSROOM BLDG A 104
MS	L1M001	1ST FL IN CLASSROOM BLDG A 101
MS	L1M001	1ST FL IN CLASSROOM BLDG A 103
MS	L1M001	1ST FL IN CLASSROOM BLDG A 105
MS	L1M001	1ST FL IN CLASSROOM BLDG A 107
MS	L1M001	1ST FL IN CLASSROOM BLDG A 109
MS	L1M001	1ST FL IN CLASSROOM BLDG A 111
MS	L1M001	1ST FL IN CLASSROOM BLDG A 113
MS	L1M001	1ST FL IN CLASSROOM BLDG A 115
MS	L1M001	1ST FL IN CLASSROOM BLDG A 114
MS	L1M001	1ST FL AT ELEVATOR 1 LOBBY
MS	L1M001	1ST FL ATRIUM EXIT BY A108

MS	L1M009	1ST FL STAIR 4 BY C117
MS	L1M001	1ST FL IN STAIR 5 BY C120
MS	L1M001	1ST FL SIDE EXIT FRONT OF BLDG A
MS	L1M001	1ST FL AT STAIR 1 A BLDG
MS	L1M001	1ST FL AT MAIN ENT BY HALF MOON DRIVEWAY
MS	L1M009	1ST FL CORRIDOR C BY 124
MS	L1M009	1ST FL IN CLASSROOM C124
MS	L1M001	1ST FL B1 CORRIDOR EXIT
MS	L1M001	1ST FL AT MAIN ENTRANCE
MS		2ND FL ELEV LOBBY
MS	L1M011	2ND FL STAIR 4 BLDG C
MS	L1M011	2ND FL STAIR 5 BLDG C
MS	L1M001	1ST FL IN GYMNASIUM
MS	L1M001	1ST FL IN MECH RM 1
MS	L1M001	1ST FL SIDE EXIT BY C121
MS	L1M001	1ST IN CLASSROOM C122
WF's	L1M002	1ST FL BLDG A 3" SYSTEM SENSOR BOYS BATH CLOSET
MS	L1M003	2ND FL BLDG A
WF	L1M004	2ND FL BLDG A 4" SYSTEM SENSOR FACP
MS's	L1M005	1ST FL BLDG B
WF	L1M006	1ST FL BLDG B
WF's	L1M006	1ST FL BLDG B 2 1/2" SYSTEM SENSOR BOYS BATH CLOSET
MS's	L1M007	2ND FL BLDG B
WF	L1M006	1st FL BLDG B
WF	L1M006	1st FL BLDG B
WF's	L1M008	2ND FL BLDG B 3" SYSTEM SENSOR IN FACP
MS's	L1M009	1ST FL BLDG C
WF's	L1M010	1ST FL BLDG C 3" SYSTEM SENSOR BOILER RM
WF	L1M010	1ST FL BLDG C 3" SYSTEM SENSOR STAIR 5 EAST
WF	L1M020	1ST FL BLDG C MAIN WATER FLOW 4" SYSTEM SENSOR
SPARE	L1M021	
TS's	L1M022	1st FL BLDG B
TS's	L1M022	1ST FL BLDG B BOYS BATH CLOSET 2 1/2" BUTTERFLY
TS's	L1M023	2ND FL BLDG B 3" BUTTERFLY VALVE FACP
TS's	L1M024	1ST FL BLDG C 3" BUTTERFLY VALVE BOILER RM
TS's	L1M024	1ST FL BLDG C IN STAIR 5 3" BUTTERFLY VALVE EAST
TS's	L1M025	2ND FL BLDG C STAIR 5 3" BUTTERFLY VALVE
TS's	L1M026	1ST FL BLDG B MAIN TS's 4" OSY BOILER RM city side
TS's	L1M026	1ST FL BLDG B MAIN TS's 4" OSY BOILER RM system side
TS's	L1M027	PIV VALVE OUTSIDE BLDG
DRILL SW	L1M028	PRINCIPALS OFFICE
MM	L1M029	SIGNAL SILENCE SW ANNUNCIATOR
C-RELAY	L1M039	HV1 SHUTDOWN

C-RELAY	L1M041	HV2 SHUTDOWN
C-RELAY	L1M042	HV3 SHUTDOWN
C-RELAY	L1M044	HV5 SHUTDOWN
C-RELAY	L1M046	AC 1 RTU SHUTDOWN
C-RELAY	L1M047	SECURITY PANEL TRIP ? OFF
C-RELAY	L1M069	HV4 SHUTDOWN
MB	L1M100	
C-RELAY	L1M107	DOOR HOLDERS ALL FLOORS
MS's	L1M011	2ND FL BLDG C
MM	L1M013	1ST FL ANSUL SYSTEM
WF's	L1M115	2ND FL BLDG C STAIR 5 3" SYSTEM SENSOR
TS's	L1M117	1ST FL BLDG A CLOSET BOYS BATH 4" BUTTERFLY
TS's	L1M119	2ND FL BLDG A 4" BUTTERFLY VALVE FACP
	L1M006	inspectors test in mech rm 3 water rm inspectors test in break rm 1st fl B
TS's	L1M022	OUTSIDE GYMNASIUM CORRIDOR b 1 ABOVE CEILING
WF	L1M006	OUTSIDE GYMNASIUM CORRIDOR b 1 ABOVE CEILING

3. Carlton Elementary School

Location: 10 Skerry Street
System: EST2
Main Electrical
Panel Location: Room

Panel:
Horn/Strobe:
Batteries: FACP= 2 x 12v 33ah 3/30/09
FACP 2x 12v 12ah 8/2004
Booster 2x 12v 7ah 6/2014
Booster 2x 12v 7ah 6/2014

Device	Address	Component or Location of Device
SD	101	CORR BY JANITOR 187
SD	102	CORR BY COUNCIL 175
SD	103	CORR 160 BY STAFF BATH 139
SD	104	CORR 160 BY WAIT 170
SD	105	CORR 161 BY CONF.RM 168
SD	106	CORR 160 BY CORR 161
SD	107	WORK 162 BY PRINCIPAL 166
SD	108	CORR 160 BY WORK AREA 162
SD	110	ELEV MACH RM 163
SD	111	CORR 101 BY LOBBY 100
SD	112	CORR 101 BY STOR.106
SD	113	CORR 101 BY K-109
SD	114	CORR 110 BY LAB 113
SD	115	STAIR 1 CORR 115

SD	116	CORR 120 BY CLASS 121
SD	117	CORR 120 BY CLASS 122
SD	118	CORR 120 BY CLASS 124
SD	119	CORR 120 BY CLASS 125
SD	120	STAIR 2 CORR 130
SD	121	CORR 120 BY CAFÉ
SD	122	CORR 120 BY CLASS 126
SD	123	TELECOMM CLOSET 237
SD	124	MAIN ELEC ABOVE FACP
SD	125	STAIR 1 CORR 215
SD	126	CORR 201 BY ART 213
SD	127	CORR 220 BY COMP 221
SD	128	CORR 220 BY SPED 222
SD	129	CORR 220 BY CLASS 223
SD	130	CORR 220 BY CLASS 224
SD	131	CORR 220 BY CLASS 225
SD	132	CORR 220 BY CLASS 226
SD	133	CORR 220 BY CLASS 227
SD	134	STAIR 2 (230)
SD	135	CORR 234 BY EM ELEC RM 232
SD	136	CORR 234 BY WORK 235
SD	137	MAIN EM ELEC RM 232
SD	138	CORR 250 BY CHORAL 270
SD	139	CORR 250 BY OFFICE 264
SD	140	CORR 250 BY SPED 262
SD	141	CORR 250 BY OT/P2 261
SD	142	CORR 250 BY FACULTY DINING 251
SD	143	CORR 250 BY TITLE 1
SD	144	CORR 250 BY PUBLISH PARENTS 253 (ELEV?)
SD	145	ELEC RM 236 (ORBT)
SD	146	BUILDING STORAGE 245 FRONT
SD	147	BUILDING STORAGE 245 REAR
SD	148	CORR 201 BY IMC 205
SD	149	CORR 201 BY DISTANCE LEARN 206
SD	150	CORR 160 BY ELEV MACH RM
SD	151	LOBBY 100/200
SD	152	TECH SUPPORT 204
SD	153	TELECOMM RM 233
SD	160	STAGE RIGHT 132
SD	161	STAGE LEFT 132
MS	203	KITCHEN REAR EXIT 186
MS	204	SIDE EXIT CORR 180
MS	208	MAIN LOBBY 100
MS	209	1ST FLR KINDERGARTEN RM 102
MS	210	1ST FLR BY KINDERGARTEN RM 109
MS	211	1ST FLR STR 1
MS	215	1ST FLR GREENHSE 112
MS	216	CORR 120 BY RM122
MS	218	1ST fl STR 2 130
MS	219	1ST FLR BY RM 120??????

MS	231	CORR 220 BY RM229
MS	232	CORR 220
MS	233	STAIR 1 215
MM	234	KITCHEN ANSUL
CR	205	ELEV RECALL ALTERNATE
CR	206	ELEV RECALL PRIMARY
CR	207	ELEV DAMPER
CR	225	GYM AMPLIFIER
CR	226	STAGE AMPLIFIER
TS	212	1ST FLR STANDPIPE IN STR 1 FOR GYM 4 " BUTTERFLY
TS	213	1ST FLR IN STR 1 FOR GYM 2 1/2 " BUTTERFLY
WF	214	1ST FLR FROM STAIR 1 FOR GYM 2 1/2" POTTER VSRF
TS	217	1ST FLR STANDPIPE IN STAIR 2 4" BUTTERFLY
TS	220	1ST FLR AT STAGE RIGHT 4" BUTTERFLY VALVE
TS	227	2ND FLR IN STAIR 2 3" BUTTERFLY VALVE
WF	228	2ND FLR IN STAIR 2 3" POTTER VSRF
TS		1ST FL CORR 160 BY MAIN ELEC RM. 2 1/2" BUTTERFLY VALVE
	229	
TS	230	1ST FL AT STAGE LEFT 2 1/2" BUTTERFLY
MM	236	FIRE PUMP POWER FAIL
MM	235	FIRE PUMP RUNNING
SUPV	236	FIREPUMP POWERFAIL
TS	237	SPRINKLER RM FOR 1ST FL VALVE FP13 4" BUTTERFLY
WF	238	1ST FLR from sprinkler rm 4" potter
?	239	ALARM LINE ?
WF	240	MAIN FLOW 6" potter vsrf
TS		SPRINKLER RM FIRE PUMP TEST HEADER VALVE FP10 6" butterfly
	241	
TS	242	SPRINKLER RM FOR MAIN RISER 6" BUTTERFLY VALVE FP11
TS	243	SPRINKLER RM FOR CAFETERIA VALVE FP12 3" BUTTERFLY
WF	244	1ST FL SPRINKLER RM FOR CAFETERIA 2 1/2" potter vsfr
TS	245	SPRINKLER RM BACK FLOW OSY 6" VALVE FP8
TS	246	SPRINKLER RM BACK FLOW OSY 6" VALVE FP9
TS	247	SPRINKLER RM JOCKEY DIS SIDE 2" BUTTERBALL VALVE FP7
TS	248	SPRINKLER RM BYPASS OSY 6"
TS	249	SPRINKLER RM FIRE PUMP OSY 6" VALVE FP6
TS	250	SPRINKLER RM FIRE PUMP OSY 6" VALVE FP3
TS	251	SPRINKLER RM PUMP BYPASS OSY VALVE FP4
TS	252	SPRINKLER RM ST SIDE OSY 6"
TS	253	SPRINKLER RM JOCKEY SUC SIDE VALVE FP7 2" BUTTERBALL
DSD	254	RTU2 FAC.DIN. RM 251
DSD	271	RTU4 2ND FLR BLDG STOR RM 245
DSD	256	RTU5 2ND FLR STOR RM 209
DSD	257	RTU6 2ND FLR STOR RM 207
DSD	258	RTU1 CAFÉ 133
DSD	259	RTU2 CAFÉ 133
DSD	281	2nd fl facility dining
DSD	279	1st fl ds cafetorium test switch on 2nd fl corridor
DSD	276	1st fl ds cafetorium test switch on 2nd fl corridor
key	282	2nd fl storage rm 207

key	284	2nd fl storage rm 209
SD		1st floor elevator lobby
SD		2nd floor elevator lobby

4. Collins Middle School

Location: 29 Highland Ave.
System:
Panel Location:

Panel:
Horn/Strobe:
Batteries:

Device	Address	Component or Location of Device
SD	1-1	1st Floor Personnel dep - 131
SD	1-2	1st Floor Corr. C1 by Rm 133
SD	1-3	1st Floor office 132C
SD	1-4	1st Floor Business Office 132
SD	1-5	1st Floor Office 132A
SD	1-6	1st Floor Business office 133
SD	1-7	1st Floor Breakroom 133A
SD	1-8	1st Floor Office 132B
SD	1-9	1st Floor Stair E
SD	1-10	1st Floor Hall 131B
SD	1-11	1st Floor C1 By Office 128
SD	1-12	1st Floor Staff Develp. Room 130
SD	1-13	1st Floor Office 134A
SD	1-15	1st Floor Storage Room 134C
SD	1-16	1st Floor Stair F
SD	1-17	1st Floor Tech Dept 127
SD	1-18	1st Floor Tech Dept 127
SD	1-19	1st Floor C1 By Tech Dept 127
SD	1-21	1st Floor Mens Toilet 125
SD	1-22	1st Floor Vestibule 123
SD	1-23	1st Floor Transportation 122
SD	1-24	1st Floor Office 122A
SD	1-25	1st Floor Vestibule 122 B
SD	1-26	1st Floor Stair K
SD	1-27	1st Floor Womens Toilet 120
SD	1-28	2nd Floor Stair H
SD	1-29	2nd Floor Gym Storage Room 208A
SD	1-30	2nd Floor Stair I
SD	1-31	2nd Floor Stair J
SD	1-32	2nd Floor gym Storage Room 208D
SD	1-33	1st Floor Office 121D
SD	1-34	1st Floor Office 121C
SD	1-35	1st Floor Office 121B
SD	1-36	1st Floor B1 By Transportation 122
SD	1-37	1st Floor B1 by Sto 113A

SD	1-38	1st Floor Corr A1 by Room 116B
SD	1-39	1st Floor Tech Ed. Dept 118
SD	1-40	1st Floor Office 118A
SD	1-41	Office 117A
SD	1-42	1st Floor Tech Ed Dept 117
SD	1-43	1st Floor Stair D
SD	1-44	1st Floor A1 by Tech Ed 118
SD	1-45	1st Floor Office 115A
SD	1-46	1st Floor Office 115B
SD	1-47	1st Floor Office 115C
SD	1-48	1st Floor Special Ed Dept 115
SD	1-49	1st Floor Special Ed Dept 115
SD	1-50	1st Floor Office 115D
SD	1-51	1st Floor Office 115E
SD	1-52	1st Floor Office 115F
SD	1-53	1st Floor IDF Rm 114
SD	1-54	1st Floor Stair C
SD	1-55	1st Floor Sto 113A
SD	1-56	1st Floor Corr E1 By Rm 113
SD	1-57	1st Floor E1 by Maintenance 111
SD	1-58	1st Floor B1 by Stair L Entry
SD	1-59	1st Floor E1 by Special Ed 110
Sd	1-60	1st Floor Special Ed 110
SD	1-61	1st Floor Storage 110A
SD	1-62	1st Floor Stair B
SD	1-63	1st Floor Business off hall 134
SD	1-64	1st Floor Stair E
SD	1-65	1st Floor Elevator lobby
SD	1-66	1st Floor Girls Toilet 100M
SD	1-67	1st Floor Elevator Machine Room
SD	1-68	1st Floor Toilet 109B
SD	1-69	1st Floor Toilet 108B
SD	1-70	1st Floor Fitness Room 107
SD	1-71	1st Floor Stair J
SD	1-72	1st Floor Office 109A
SD	1-73	1st Floor Corr F1 by Room 106
SD	1-74	1st Floor F1 By Tech Ed 105
SD	1-75	1st Floor Office 105A
SD	1-76	1st Floor F1 by Computer Lab
SD	1-77	1st Floor Tech Ed Room 106
SD	1-78	1st Floor Storage 106A
SD	1-79	1st Floor Storage 105B
SD	1-80	1st Floor Tech Ed Room 105
SD	1-81	1st Floor Tech Ed Room 104
SD	1-82	1st Floor Computer Lab 103
SD	1-83	1st Floor Vestibule 105 A
SD	1-84	1st Floor Lobby by girls Locker
SD	1-85	1st Floor Lobby 100A
SD	1-86	1st Floor Lounge 100
SD	1-87	1st Floor Lounge 100

DD	1-88	1st Floor RTU-6 Return Rm 100
DD	1-89	1st Floor RTU-6 Supply Rm 100
DD	1-90	1st Floor RTU-6 Supply Rm 100
SD	1-91	1st Floor Lounge 100
SD	1-92	1st Floor Electric room 100G
SD	1-93	1st Floor Lobby by Cafeteria
SD	1-94	1st Floor Lobby by Vest 100H
SD	1-95	1st Floor Stair A
SD	1-96	1st Floor Cafeteria
SD	1-102	1st Floor Storage Room 143
SD	1-103	1st Floor Storage Room 143
SD	1-104	1st Floor Storage Room 143
SD	1-106	1st Floor Kitchen 142
SD	1-107	1st Floor Stair G
SD	1-108	1st Floor Cafeteria
SD	1-109	1st Floor Boys Toilet 100J
SD	1-110	1st Floor IDF Room 138B
SD	1-111	1st Floor Storage Room 138A
SD	1-112	1st Floor Girls Toilet 139C
SD	1-113	1st Floor D1 by Toilet 139C
SD	1-114	1st Floor Emergency Elec room 139A
SD	1-115	1st Floor D1 by storage Rm 138
SD	1-116	1st Floor Storage Room 138
SD	1-117	1st Floor Storage Room 136A
SD	1-118	1st Floor Storage Room 138
SD	1-128	1st Floor Office 121 G
SD	1-129	1st Floor Parent info Center 121
SD	1-130	1st Floor Parent info Center 121
SD	1-131	1st Floor Office 121 F
SD	1-132	1st Floor Office 121 E
SD	1-139	1st Floor Office 134 B
SD	1-140	1st Floor By Room 117 Stair D
SD	1-141	1st Floor Vestibule 147
DD	1-142	1st Floor RTU-1 Return
DD	1-143	1st Floor RTU-1 Supply
SD	1-144	1st Floor Office 115G
SD	1-145	1st Floor Office 144
SD	1-147	1st Floor Office 108A
SD	1-148	1st Floor Office 116
SD	1-149	1st Floor D1 by Mech Room 136
SD	1-150	1st Floor Office 134D
SD	1-151	1st Floor Office 131A
SD	1-152	1st Floor Office 128
SD	1-153	1st Floor Electric room 139
DD	1-154	1st Floor RTU-3 Supply Rm 116B
DD	1-155	1st Floor RTU-3 return room 116B
HD	1-156	1st Floor Boiler room 135
HD	1-157	1st Floor Mechanical room 112A
HD	1-158	1st Floor Mechanical room 112
HD	1-159	1st Floor Mechanical room 112

SD	2-1	2nd Floor Classroom 231
SD	2-2	2nd Floor Classroom 230
SD	2-3	2nd Floor C2 by Classroom 230
SD	2-4	2nd Floor Stair E
SD	2-6	2nd Floor Classroom 232
SD	2-7	2nd Floor Classroom 233
SD	2-8	2nd Floor Classroom 234
SD	2-9	2nd Floor C2 by Classroom 234
DD	2-10	2nd Floor RTU-1 Return Corr. C1
DD	2-11	2nd Floor RTU-1 Supply Corr. C1
SD	2-12	2nd Floor Electric Room 227A
SD	2-13	2nd Floor in Stair F
SD	2-15	2nd Floor Mens Toilet Rm 225A
SD	2-16	2nd Floor Computer Lab rm 235
SD	2-17	2nd Floor C2 by Comp Lab 235
SD	2-18	2nd Floor Meeting Room 227
SD	2-19	2nd Floor Meeting Room 227
SD	2-20	2nd Floor Boys Toilet 228
SD	2-21	2nd Floor Asst Super Office 229
SD	2-22	2nd Floor Office 226
SD	2-23	2nd Floor Vestibule 226B
SD	2-24	2nd Floor Office 226A
SD	2-25	2nd Floor Office 22A
SD	2-26	2nd Floor Office 222
SD	2-27	2nd Floor Superintendent - 222B
SD	2-28	2nd Floor Gilrs Toilet Rm 221A
SD	2-29	2nd Floor Science Lab 221
DD	2-30	2nd Floor RTU-3 Return Corr A2
DD	2-31	2nd Floor RTU-3 Supply Corr A2
SD	2-32	2nd Floor Classroom 218
SD	2-33	2nd Floor Classroom 217
SD	2-34	2nd Floor SD2 Landing
SD	2-35	2nd Floor Classroom 216
SD	2-36	2nd Floor Classroom 215
SD	2-37	2nd Floor A2 by Classroom 215
SD	2-38	2nd Floor A2 by Classroom 214
SD	2-39	2nd Floor Classroom 214
SD	2-40	2nd Floor SC2 Entry Landing
SD	2-41	2nd Floor SC2 Landing
SD	2-42	2nd Floor Womens Toilet Rm 212
SD	2-43	2nd Floor Electric room 219
SD	2-44	2nd Floor Counseling 220
SD	2-45	2nd Floor Office 220B
SD	2-46	2nd Floor Office 220A
SD	2-47	2nd Floor A2 by Girls Room 221A
SD	2-48	2nd Floor Classroom 213
DD	2-49	2nd Floor RTU2 Supply Rm 223
DD	2-50	2nd Floor RTU2 Supply Corr E2
SD	2-51	2nd Floor RTU2 Return Corr E2
DD	2-52	2nd Floor RTU2 Return Rm 223

SD	2-53	2nd Floor E2 By Classroom 213
SD	2-54	2nd Floor Classroom 211
SD	2-55	2nd Floor E2 by Classroom 211
SD	2-56	2nd Floor E2 by Classroom 210
SD	2-57	2nd Floor Classroom 210
SD	2-59	2nd Floor Storage Rm 209
SD	2-60	2nd Floor IMC Classroom 238
SD	2-61	2nd Floor Girls Toilet Rm 207
SD	2-62	2nd Floor Elevator Lobby
SD	2-64	2nd Floor Stair B
SD	2-66	Media Center Main Desk in
SD	2-67	2nd Floor Office 224A
SD	2-68	2nd Floor Lobby 226C North
SD	2-71	2nd Floor Gym
SD	2-72	2nd Floor Classroom 205
SD	2-73	2nd Floor G2 by Classroom 205
SD	2-74	2nd Floor H2 by Classroom 204
SD	2-75	2nd Floor Classroom 204
SD	2-76	2nd Floor Classroom 203
SD	2-77	2nd Floor Classroom 203
SD	2-78	2nd Floor H2 By Classroom 203
SD	2-79	2nd Floor H2 by Classroom 202
SD	2-80	2nd Floor Boys Toilet rm 206
SD	2-81	1st Floor Green Room 141B
SD	2-82	1st Floor Vestibule 141 C
SD	2-84	2nd Floor Storage Rm 239
SD	2-85	2nd Floor Electric room 206B
SD	2-86	2nd Floor Classroom 202
SD	2-87	2nd Floor Classroom 201
SD	2-88	2nd Floor Corr by Classroom 201
SD	2-89	2nd Floor Stair A
SD	2-90	2nd Floor Stair M
SD	2-91	2nd Floor Cafeteria
SD	2-92	2nd Floor Cafeteria
SD	2-93	2nd Floor Cafeteria
SD	2-94	2nd Floor Cafeteria
SD	2-95	2nd Floor Cafeteria
SD	2-96	2nd Floor Cafeteria
SD	2-97	2nd Floor Corridor J2
SD	2-98	2nd Floor Audio/Visual Rm 242
SD	2-99	2nd Floor Auditorium 141
SD	2-100	2nd Floor Auditorium 141
SD	2-101	2nd Floor Auditorium 141
HD	2-102	1st Floor Stage
SD	2-103	2nd Floor Auditorium 141
HD	2-104	1st Floor Stage
SD	2-105	2nd Floor Stair N
SD	2-106	2nd Floor Auditorium 141
SD	2-107	2nd Floor Auditorium 141
DD	2-108	2nd Floor RTU4 Return Rm 209

SD	2-109	2nd Floor Auditorium 141
SD	2-110	2nd Floor Audio/Visual Rm 241
SD	2-111	2nd Floor K2 By Stair G
SD	2-112	2nd Floor K2 By AV Room 241
SD	2-113	2nd Floor in Stair G
SD	2-114	2nd Floor Classroom 237
SD	2-115	2nd Floor D2 by Classroom 237
SD	2-116	2nd Floor D2 by Classroom 236
SD	2-117	2nd Floor D2 by Classroom 235
DD	2-118	2nd Floor RTU-2 Supply Room 225
DD	2-119	2nd Floor RTU-2 Supply Corr D2
DD	2-120	2nd Floor RTU-2 Return Corr D2
DD	2-121	2nd Floor RTU-4 Return Room 239
SD	2-122	2nd Floor Computer Lab room 225
SD	2-123	2nd Floor Lobby 226C South
SD	2-124	2nd Floor IMC work Room 223
SD	2-125	2nd Floor Classroom 236
SD	2-126	2nd Floor Storage rm 221B
SD	2-127	2nd Floor Mechanical room 243
DD	2-128	2nd Floor RTU-6 Supply Rm 206
DD	2-129	2nd Floor RTU-6 Return Rm 206
DD	2-130	2nd Floor RTU-6 Return Rm 207
SD	3-1	3rd Floor Classroom 330
SD	3-2	3rd Floor Classroom 331
SD	3-3	3rd Floor Stair E
SD	3-4	3rd Floor Classroom 332
SD	3-5	3rd Floor Classroom 333
SD	3-6	3rd Floor C3 by Classroom 333
SD	3-7	3rd Floor C3 by Classroom 334
DD	3-8	3rd Floor RTU-1 Return
DD	3-9	3rd Floor RTU-1 Supply
SD	3-10	3rd Floor Electric Room 329
SD	3-11	3rd Floor Classroom 334
SD	3-12	3rd Floor Stair F
SD	3-13	3rd Floor Counseling Rm 328
SD	3-14	3rd Floor Classroom 327
SD	3-15	3rd Floor Office 328B
SD	3-16	3rd Floor Office 328A
SD	3-17	3rd Floor Classroom 327
SD	3-18	3rd Floor Boys Toilet 326
SD	3-19	3rd Floor Principal 324 A
SD	3-20	3rd Floor Office 324B
SD	3-21	3rd Floor Main Office 324
SD	3-22	3rd Floor Office 324C
SD	3-23	3rd Floor Office 324D
SD	3-24	3rd Floor Break Room 324 E
SD	3-25	3rd Floor Girls Toilet 322
SD	3-26	3rd Floor Science Lab 321
SD	3-27	3rd Floor Resting 320A
SD	3-28	3rd Floor Nurses Office 320

DD	3-29	3rd Floor RTU-3 Supply Corr A3
DD	3-30	3rd Floor RTU-3 Return Corr A3
SD	3-31	3rd Floor Electric Room 319
SD	3-32	3rd Floor Classroom 318
SD	3-33	3rd Floor Classroom 317
SD	3-34	3rd Floor Stair D
SD	3-35	3rd Floor A3 by Classroom 315
SD	3-36	3rd Floor Classroom 316
SD	3-37	3rd Floor Classroom 315
SD	3-38	3rd Floor Classroom 314
SD	3-39	3rd Floor A3 by Classroom 314
SD	3-40	3rd Floor Stair C
SD	3-41	3rd Floor Womens Toilet 313 A
SD	3-42	3rd Floor Copy Room 313
SD	3-43	3rd Floor Conference Room 312
SD	3-44	3rd Floor A3 by Girls Room 322
DD	3-46	3rd Floor RTU-2 Supply Corr E3
DD	3-47	3rd Floor RTU-2 Supply Corr D3
DD	3-48	3rd Floor RTU-2 Return Corr E3
DD	3-49	3rd Floor RTU-2 Return Corr D3
SD	3-50	3rd Floor Office 323
SD	3-51	3rd Floor E3 By Comp Room 311
SD	3-52	3rd Floor Computer Lab 311
SD	3-53	3rd Floor E3 by Room 311
SD	3-54	3rd Floor Technology Office 310
SD	3-55	3rd Floor Hall 309A
SD	3-56	3rd Floor Classroom 309
SD	3-57	3rd Floor E3 by Tech Off 310
SD	3-58	3rd Floor Computer Lab 325
SD	3-59	3rd Floor Stair B
Beam	3-60	3rd Floor Gym East Side
Beam	3-61	3rd Floor Gym West Side
SD	3-62	3rd Floor Office 306
SD	3-63	3rd Floor G3 by Confer 305
SD	3-64	3rd Floor Elevator Lobby
SD	3-65	3rd Floor Conference Room 305
SD	3-66	3rd Floor H3 by Classroom 304
SD	3-67	3rd Floor Classroom 304
SD	3-68	3rd Floor Classroom 303
SD	3-69	3rd Floor Classroom 302
SD	3-70	3rd Floor Classroom 301
SD	3-71	3rd Floor H3 By Classroom 301
SD	3-72	3rd Floor H3 by Classroom 301
SD	3-73	3rd Floor Girls Toilet 308
SD	3-74	3rd Floor ESL 388
SD	3-75	3rd Floor Boys Toilet 307
SD	3-76	3rd Floor Electric Closet 307B
SD	3-77	3rd Floor D3 by Confer. Rm 339
SD	3-78	3rd Floor L3 by Vestibule 340B
SD	3-79	3rd Floor L3 by Classroom 350

SD	3-80	3rd Floor M3 by Classroom 341
SD	3-81	3rd Floor Music Classroom 350
SD	3-82	3rd Floor Music Classroom 349
SD	3-83	3rd Floor Music Classroom 348
SD	3-84	3rd Floor Life Skills 347
SD	3-85	3rd Floor Life Skills 346
SD	3-86	3rd Floor M3 by Prac Room 344
DD	3-87	3rd Floor RTU-5 Supply Rm 348
DD	3-88	3rd Floor RTU-5 Return Rm 348
SD	3-89	3rd Floor M3 By Classroom 347
DD	3-90	3rd Floor RTU-7 Return Rm 340
DD	3-91	3rd Floor RTU-7 Supply Rm 344
SD	3-92	3rd Floor Life Skills 345
SD	3-93	3rd Floor N3 by Classroom 345
SD	3-94	3rd Floor Stair G
SD	3-95	3rd Floor Vestibule 340A
SD	3-96	3rd Floor Bandroom 340
SD	3-97	3rd Floor Storage 340C
SD	3-99	3rd Floor Vestibule 340B
SD	3-100	3rd Floor Stair A
SD	3-101	3rd Floor D3 by Classroom 336
SD	3-102	3rd Floor Classroom 337
SD	3-103	3rd Floor H3 by Stair A
SD	3-104	3rd Floor Electric Room 339A
SD	3-105	3rd Floor Hall 339B
SD	3-106	3rd Floor Classroom 336
SD	3-107	3rd Floor D3 by Classroom 336
SD	3-112	3rd Floor Office 325 A
SD	3-113	3rd Floor Vestibule 325B
SD	3-114	3rd Floor B3 by Boys Room 326
SD	3-115	3rd Floor B3 by Main Office
SD	3-116	3rd Floor Conflict Res 335
SD	3-117	3rd Floor Mens Toilet 334A
SD	3-118	3rd Floor Vestibule 340D
SD	3-119	3rd Floor IDF Room 341 A
SD	3-120	3rd Floor Office 323 A
DD	3-121	3rd Floor RTU-6 Supply Room 307
DD	3-122	3rd floor RTU-6 Return by R307
DD	3-123	3rd Floor RTU-6 Return in R309
SD	4-1	4th Floor Classroom 431
SD	4-2	4th Floor Stair E
SD	4-3	4th Floor Classroom 432
SD	4-4	4th Floor Classroom 433
SD	4-5	4th Floor Classroom 434
SD	4-6	4th Floor C4 by Classroom 433
SD	4-7	4th Floor Classroom 430
SD	4-8	4th Floor Corr C4 by Stair F
SD	4-9	4th Floor Electric Room 429
DD	4-10	4th Floor RTU-1 Return
DD	4-11	4th Floor RTU-1 Supply

SD	4-12	4th Floor Office 428
SD	4-13	4th Floor Stair F
SD	4-15	4th Floor Boys Toilet 435 A
SD	4-16	4th Floor Classroom 435
SD	4-17	4th Floor Office 425
Sd	4-18	4th Floor Art Room 427
SD	4-19	4th Floor Classroom 426A
SD	4-20	4th Floor B4 by Classroom 426A
SD	4-21	4th Floor Art Room 427
DD	4-22	4th Floor RTU-2 Return Corr D4
DD	4-23	4th Floor RTU-2 Supply Corr D4
SD	4-24	4th Floor Corridor D4
SD	4-25	4th Floor Classroom 436
SD	4-26	4th Floor Room 426
SD	4-27	4th Floor Room 426
Beam	4-28	2nd Floor Room 224 Media Center
Beam	4-29	2nd Floor Room 224 Media Center
SD	4-30	4th Floor Office 420 B
SD	4-31	4th Floor Corr B4 by Room 424
SD	4-32	4th Floor Little Theater 424
SD	4-33	4th Floor Kilns Room 422A
SD	4-34	4th Floor Art Room 422
SD	4-35	4th Floor Science Lab 421
SD	4-36	4th Floor Office 420
SD	4-37	4th Floor Corr A4 by Room 422
SD	4-38	4th Floor Electric Room 419
DD	4-39	4th Floor RTU-3 Supply Corr A4
DD	4-40	4th Floor RTU-3 Return Corr A4
SD	4-41	4th Floor Corr A4 by Room 414
SD	4-42	4th Floor Classroom 418
SD	4-43	4th Floor Classroom 417
SD	4-44	4th Floor Classroom 415
SD	4-45	4th Floor Classroom 416
SD	4-46	4th Floor Stair D by Room 416
SD	4-47	4th Floor Classroom 415
SD	4-48	4th Floor Classroom 414
SD	4-49	4th Floor Top of Stair C
SD	4-50	4th Floor Girls Toilet 412
SD	4-51	4th Floor Processing Lab Rm 413
DD	4-52	4th Floor RTU-Return Corr E4
DD	4-53	4th Floor RTU-2 Supply Corr E4
SD	4-55	4th Floor Corr E-4 by Room 411
SD	4-56	4th Floor Classroom 411
SD	4-57	4th Floor E4 by Classroom 411
SD	4-58	4th Floor Classroom 410
SD	4-59	4th Floor E4 by Classroom 410
SD	4-60	4th Floor Office 409B
SD	4-61	4th Floor Office 409A
SD	4-62	4th Floor Room 409
SD	4-63	4th Floor Office 420A

SD	4-65	4th Floor ESL Room 423
SD	4-66	4th Floor Room 438
SD	4-67	4th Floor Elevator Lobby
SD	4-68	4th Floor Stair B
SD	4-69	4th Floor H4 by Classroom 404
SD	4-70	4th Floor Classroom 405
SD	4-71	4th Floor Classroom 404
SD	4-72	4th Floor Classroom 403
SD	4-73	4th Floor Girls Toilet 407
DD	4-74	4th Floor RTU-6 Supply In Room 406
DD	4-75	4th Floor RTU-6 Return by R 406
DD	4-76	4th Floor RTU-6 Return by R 407
SD	4-77	4th Floor Classroom 402
SD	4-78	4th Floor Classroom 401
SD	4-79	4th Floor H4 by Classroom 401
SD	4-80	4th Floor Electric Rm 406B
SD	4-81	4th Floor D4 by stoarge Rm 439
SD	4-82	4th Floor Classroom 437
SD	4-83	4th Floor D4 by Classroom 436
SD	4-84	4th Floor Storage room 439
SD	4-85	4th Floor H4 by Toilet 406A
SD	4-87	4th Floor Boys Toilet 406
SD	4-88	4th Floor Room 438
HD	4-100	Attic 1927 North
HD	4-101	Attic 1927 North
HD	4-102	Attic 1927 North
HD	4-103	Attic 1909 North
HD	4-104	Attic 1909 North
HD	4-105	Attic 1909 South
HD	4-106	Attic 1927 South
HD	4-107	Attic 1927 South
HD	4-108	Attic 1909 South
HD	4-109	Attic 1909 East
HD	4-110	Attic 1909 North
HD	4-111	Attic 1909 Temp Str
HD	4-112	Attic 1909 East
DD	4-113	RTU-4 Above Rm 439 Return
DD	4-114	RTU-4 Above Rm 409
DD	4-115	RTU-1 Above Corr C4 Supply
DD	4-116	RTU-1 Above Corr C4 Return
DD	4-117	RTU-4 Attic Supply
DD	4-118	RTU-4 Attic Return
DD	4-119	RTU-2 Attic Above B4 Supply
DD	4-120	RTU-2 Attic Above B4 Return
DD	4-121	RTU-3 Above Cor A4 Supply
DD	4-122	RTU-3 Above Cor A4 Return
MS	1-1	1st Floor Stair E
MS	1-2	1st Floor Vestibule 123
MS	1-3	1st Floor Stair F
MS	1-4	2nd Floor Stair J at Gym

MS	1-5	1st Floor Stair H
MS	1-6	2nd Floor At Stair 1 Gym
Relay	1-7	1st Floor Door Stair E/F
MS	1-8	1st Floor At Stair B
TS	1-9	Fire Pump Room Tamper Test Header
Relay	1-10	1st Floor RTU-1 Damper Corr C1
TS	1-11	Fire Pump Room Bypass Line 1
TS	1-12	Fire Pump Room Bypass Line 2
TS	1-13	Fire Pump Room Main Valve 1
TS	1-14	Fire Pump Room Main Valve 2
TS	1-16	Fire Pump Room Old Bldg
TS	1-17	Fire Pump Room East Wing
Relay	1-18	2nd Floor Doors Stair H
WF	1-19	Fire Pump Room North/South
WF	1-20	Fire Pump Room East
WF	1-21	Fire Pump Room Attic N High Pressure
WF	1-22	Fire Pump Room Attic S High Pressure
MS	1-23	1st Floor Vestibule 122 B
MS	1-24	1st Floor Stair D
MS	1-25	1st Floor Maintenance 111
Relay	1-26	2nd Floor Doors Stair I Gym
WF	1-27	1st Floor Stair B
TS	1-28	1st Floor Stair B
Relay	1-29	Mech. Room Elev. To Prim
Relay	1-30	Mech. Room Elev. To Alt
Relay	1-31	Mech. Room Elevator Hat Light
Relay	1-32	1st Floor Doors Class 208
MS	1-34	1st Floor Tech Ed 105
MS	1-35	1st Floor Tech Ed 104
MS	1-36	1st Floor Stair H
MS	1-37	1st Floor Lobby 100A
Relay	1-38	1st Floor RTU-6 Damper Rm 100L
WF	1-39	1st Floor Stair A
TS	1-40	1st Floor Stair A
Ansul	1-46	1st Floor
MS	1-47	1st Floor Vestibule 147
MS	1-48	1st Floor Stair G
MS	1-49	1st Floor Kitchen 142
MS	1-50	1st Floor Vestibule 139B
MS	1-51	1st Floor Vestibule 105 A
Relay	1-52	1st Floor RTU-3 Damper Rm 116B
TS	1-53	Fire Pump Room Attic N Low Pressure
TS	1-54	Fire Pump Room Attic S Low Pressure
TS	1-59	Fire Pump Room Attic North
TS	1-60	Fire Pump Room Attic South
TS	1-61	1st Floor Corr B1 Main
TS	1-62	1st Floor Corr B1 Main 2
TS	1-63	1st Floor Corr C1 Main
TS	1-64	1st Floor Corr C1 Main 2
MS	1-79	1st Floor Storage 105 B

Relay	1-80	1st Floor Door Stair C/D
Master Box	1-97	
Strobe Ckt	1-120	FCM1 Troubles for Booster Panel
Booster	1-121	Booster panel trip Rm 139
Beacon	1-125	Outside Beacons
Relay	1-126	Door Holders All Floors
Monitor	1-150	3rd Floor Drill Active
MS	2-1	2nd Floor At Stair E
Relay	2-2	2nd Floor RTU-1 Dampers
Relay	2-3	2nd Floor RTU-4 Dampers Rm 239
MS	2-4	2nd Floor Vestibule 226B
Relay	2-5	2nd Floor RTU-3 Damper Corr A2
MS	2-6	2nd Floor At Stair D by Room 217
MS	2-7	2nd Floor Corr F2 by Room 201
Relay	2-8	2nd Floor RTU-2 Dampers Corr D2
WF	2-9	2nd Floor Stair B
TS	2-10	2nd Floor Stair B
MS	2-11	1st Floor At Stair F
Relay	2-12	RTU-4 Dampers RM 209
Relay	2-15	RTU-6 Dampers Rm 206
WF	2-16	2nd Floor Stair A
TS	2-17	2nd Floor Stair A
MS	2-18	2nd Floor At Stair G
Relay	2-20	2nd Floor RTU-2 Dampers Corr E3
MS	2-31	2nd Floor Lobby 226C
MS	2-42	1st Floor Cafeteria
MS	2-43	1st Floor Cafeteria
MS	2-44	1st Floor Vestibule 141C
MS	2-45	1st Floor Auditorium
Relay	2-82	1st Floor Door 140C
Booster	2-122	Panel in Elec room 206B
Relay	3-5	3rd Floor RTU-3 Damper
MS	3-6	3rd Floor Stair D by Rm 317
MS	3-7	3rd Floor Stair C
Relay	3-8	3rd Floor Corr E3
WF	3-9	3rd Floor Stair B
TS	3-10	3rd Floor Stair B
MS	3-11	3rd Floor Stair B
MS	3-12	3rd Floor Stair A
Relay	3-14	RTU-5 Shutdown Corr M3
Relay	3-15	RTU-7 Shutdown Corr M3
MS	3-17	3rd Floor Stair G
WF	3-18	3rd Floor Stair A
TS	3-19	3rd Floor Stair A
Relay	3-20	3rd Floor RTU-2 Dampers Corr
Relay	3-21	3rd Floor RTU-6 Damper Boys Rm 307
Relay	3-22	3rd Floor RTU-6 Damper Girls Rm 308
MS	3-25	3rd Floor Stair F
MS	3-28	3rd Floor Stair E
Booster	3-123	Panel in Elec room 307B

MS	4-1	4th Floor Stair E
Relay	4-2	3rd & 4th Fl RTU-1 Damper Rm 429
Relay	4-3	4th Floor RTU-1 Shutdown
MS	4-4	4th Floor Stair F
Relay	4-5	4th Floor RTU-2 Damper Corr D4
Relay	4-6	Attic RTU-4 Shutdown
Relay	4-7	Attic RTU-3 Shutdown
Relay	4-8	Attic RTU-6 Shutdown
MS	4-9	4th Floor Stair D by Room 417
Relay	4-10	4th Floor RTU-3 Damper Corr A4
MS	4-11	4th Floor Stair C
WF	4-12	4th Floor Stair B
TS	4-13	4th Floor Stair B
Relay	4-14	4th Floor RTU-6 Damper Boys Rm 406
Relay	4-15	Damper Central RTU-1 Above C4
Relay	4-16	Damper Central RTU-2 Above B4
Relay	4-17	Attic RTU-2 Shutdown
Relay	4-18	Damper Central RTU-3 Above A4
Relay	4-19	Damper Central RTU-4 Above rm 439
Relay	4-20	Damper Central RTU-4 Above Rm 409
Relay	4-21	4th Floor RTU-6 Damper Girls Rm 407
MS	4-25	Stair B
MS	4-26	Stair A
Relay	4-31	4th Floor RTU-2 Damper Corr E4
Booster	4-124	Panel Elec Room 406 B

5. Nathaniel Bowditch School

Location: 79 Willson Street
System: Simplex 4100
Panel Location: Main Lobby

Panel:
Horn/Strobe:
Batteries: 110AH ABOVE CEILING 6/30/2014

Device	Address	Component or Location of Device
MS	M1-1	1ST FL STAIR #1
DRILL SW	M1-2	1ST FL PRINCIPALS OFFICE 157
SD	M1-4	1ST FL GENERATOR RM 103
SD	M1-5	1ST FL STAIR #1
SD	M1-6	1ST FL SMOKE CORRIDOR 101 OUTSIDE SPED RM 102
SD	M1-7	1ST FL SMOKE CORRIDOR 101 OUTSIDE GEN CLASS 108
SD	M1-8	1ST FL SMOKE CORRIDOR 101 OUTSIDE GEN CLASS 110
SD	M1-9	1ST FL SMOKE CORRIDOR 101 OUTSIDE GEN CLASS 114
SD	M1-10	1ST FL TECHNOLOGY CLOSET RM 112
SD	M1-11	1ST FL MAIN ELECTRIC RM 115
SD	M1-12	1ST FL TOILET VESTIBULE 117
SD	M1-13	1ST FL CORRIDOR 101 OUTSIDE GEN CLASS 116
SD	M1-14	1ST FL ELECTRIC RM 117

SD	M1-15	1ST FL SMALL CORRIDOR OUTSIDE ELECTRIC RM 121
SD	M1-16	1ST FL CORRIDOR 101 OUTSIDE GEN CLASS 122
SD	M1-17	1ST FL CORRIDOR 101 OUTSIDE GEN CLASS 140
SD	M1-18	1ST FL CORRIDOR 101 OUTSIDE GEN CLASS 146
HD	M1-19	1ST FL PRIMARY KITCHEN RM 141
SD	M1-20	1ST FL CORRIDOR 101 OUTSIDE GEN CLASS 148
SD	M1-21	1ST FL ELEVATOR MACH RM 143
SD	M1-22	ELEVATOR PIT
SD	M1-23	1ST FL ELEVATOR LOBBY
TS	M1-25	POST INDICATOR VALVE outside bldg
WF	M1-26	1ST FL A SECTION STAIR 1 4" potter
WF	M1-27	1ST FL B SECTION BY ELEVATOR 4" potter
WF	M1-28	ATRIUM 1ST & 2ND FLS 1ST FL BY ELEVATOR 4" potter
TS	M1-29	1ST FL A SECTION STAIR 1 4" butterfly
TS	M1-31	1ST FL LOW PRESSURE SWITCH MAIN POTTER PS40
TS	M1-33	1ST FL MAIN RM 104 CITY SIDE POTTER OSY
TS	M1-34	1ST FL MAIN RM 104 HOUSE potter osy
WF	M1-36	1ST FL MAIN RM 104 6" POTTER
TS	M1-37	1ST FL #1 RISER RM 104 BUTTERFLY VALVE
TS	M1-38	RISER 2 BY 1ST FL ELEVATOR in front of mens rm
ZAM	M1-39	ALTERNATE ELEVATOR RECALL
ZAM	M1-40	PRIMARY ELEVATOR RECALL
SHUNT TRIP	M1-41	SHUNT TRIP FOR ELEVATOR
TS	M1-42	1ST FL B SECTION BY 1ST FL ELEVATOR 4" butterfly valve
TS	M1-43	ATRIUM 1ST & 2ND FLS 4" butterfly valve
TS	M1-44	RISER 3 BY 1ST FL ELEVATOR 4" butterfly
MS	M1-45	1ST FL STAIR #2
MS	M1-46	1ST FL VESTIBULE 154
MS	M1-47	1ST FL CORRIDOR 155
SD	M1-48	1ST FL PROJECT AREA 152
SD	M1-49	1ST FL LOWER LOBBY
SD	M1-50	1ST FL STAIR 2
SD	M1-51	1ST FL LOWER LOBBY
SD	M1-52	1ST FL VESTIBULE 154
SD	M1-53	1ST FL CORRIDOR 155 OUTSIDE RECEPTION 156
SD	M1-54	1ST FL CORRIDOR 155 OUTSIDE KINDERGARTEN 170
SD	M1-55	1ST FL CORRIDOR 155 OUTSIDE TOILET 169
SD	M1-56	1ST FL CORRIDOR 155 OUTSIDE KINDERGARTEN 171
SD	M1-57	1ST FL CORRIDOR 155 OUTSIDE KINDERGARTEN 172
SHUNT TRIP	M1-58	SHUNT TRIP FOR KITCHEN 230
ZAM	M1-59	CAFETERIA SOUND
ZAM	M1-60	CAFETERIA LIGHTS
PREACTION	M1-61	1ST FL SPRINKLER PREACTION PANEL TRBL BY STAIR 2
PREACTION	M1-62	1ST FL SPRINKLER PREACTION PANEL ALM BY STAIR 2
PREACTION	M1-63	1ST FL SPRINKLER PREACTION PANEL SUPV BY STAIR 2
ANSUL	M1-64	ANSUL FIRE SUPPRESSION SYSTEM KITCHEN 230
MS	M1-65	2ND FL STAIR 2
MS	M1-66	2ND FL RECEIVING 224
MS	M1-67	2nd FL cafeteria 241
MS	M1-68	2ND FL PLATFORM 249

SD	M1-70	2ND FL STAIR 1
SD	M1-71	2ND FL SMALL CORRIDOR OUTSIDE ART RM 203
SD	M1-72	2ND FL CORRIDOR 201 OUTSIDE SPED RM 202
SD	M1-73	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS 208
SD	M1-74	2ND FL VESTIBULE 209
SD	M1-75	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS 210
SD	M1-76	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS 214
SD	M1-77	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS REHEARSAL 211
SD	M1-78	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS 216
SD	M1-79	2ND FL TOILET VESTIBULE 217
SD	M1-80	2ND FL C18ELECTRIC RM 221
SD	M1-81	2ND FL CORRIDOR 228 OUTSIDE DINING 227
SD	M1-82	2ND FL C69RECEIVING 224
SD	M1-83	2nd FL CORRIDOR 228 OUTSIDE RECEIVING 224
SD	M1-84	2nd FL CORRIDOR 201 OUTSIDE GEN CLASS 222
SD	M1-85	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS 240
SD	M1-86	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS 246
SD	M1-87	2ND FL CORRIDOR 201 OUTSIDE GEN CLASS 248
SD	M1-88	2ND FL ELEVATOR LOBBY
WF	M1-91	2ND FL A SECTION 4" potter
WF	M1-92	2ND FL B SECTION BY STAIR 2 4" potter
TS	M1-93	2ND FL B SECTION BY STAIR 2 4" butterfly valve
TS	M1-94	2ND FL A SECTION 4" butterfly valve
SILENCE KEY BY PANEL	M1-100	SILENCE KEY BY PANEL
SD	M2-1	3RD FL STAIR 2
MS	M2-2	2ND FL VESTIBULE 254
MS	M2-3	2ND FL CORRIDOR 260
MS	M2-4	2ND FL STAIR 3 GO THROUGH 3RD DOWN SEE PRINT***
MS	M2-5	2ND FL GYMNASIUM 259
MS	M2-6	2ND FL STAIR 2
ZAM	M2-7	GYMNASIUM SOUND ZAM
SD	M2-8	2ND FL PROJECT AREA 252
SD	M2-9	2ND FL UPPER LOBBY OUTSIDE STAIR 2
SD	M2-10	2ND FL ABOVE LOWER LOBBY (High ceiling main entrance)
SD	M2-11	2ND FL C115UPPER LOBBY 251 OUTSIDE GYMNASIUM
SD	M2-12	2ND FL STAIR 2
SD	M2-13	2ND FL UPPER LOBBY 251
SD	M2-14	2ND FL UPPER LOBBY 251 OUTSIDE TEACHER WORK 253
SD	M2-15	2ND FL UPPER LOBBY 251 OUTSIDE VESTIBULE 254
SD	M2-16	2ND FL VESTIBULE 254
SD	M2-17	2ND FL CORRIDOR 260
SD	M2-18	2ND FL STAIR 3
DD	M2-19	3RD FL RTU - 10 RETURN ABOVE RM 308
DD	M2-20	3RD FL C134RTU - 1 RETURN ABOVE RM 316
DD	M2-21	3RD FL C135RTU - 2 RETURN ABOVE RM 340
DD	M2-22	3RD FL RTU - 9 RETURN ABOVE RM 348
DD	M2-23	3RD FL RTU - 3 RETURN ABOVE RM 214
DD	M2-24	3RD FL RTU - 5 RETURN ABOVE RM 360
DD	M2-25	3RD FL C105RTU - 11 RETURN ABOVE RM 259

DD	M2-26	3RD FL RTU - 6 RETURN ABOVE RM 259
DD	M2-27	3RD FL C161RTU - 7 RETURN ABOVE RM 259
MS	M2-28	3RD FL CORRIDOR 301 OUTSIDE STAIR 1
DD	M2-30	3RD FL RTU - 10 SUPPLY ABOVE RM 302
DD	M2-31	3RD FL RTU - 1 SUPPLY ABOVE RM 314
DD	M2-32	3RD FL RTU - 2 SUPPLY ABOVE RM 322
DD	M2-33	3RD FL RTU - 4 SUPPLY ABOVE RM 340
DD	M2-34	3RD FL RTU - 9 SUPPLY ABOVE RM 348
DD	M2-35	3RD FL RTU - 3 SUPPLY ABOVE RM 214
SD	M2-36	EMERGENCY ELECTRIC RM 343
SD	M2-37	3RD FL STAIR 1
SD	M2-38	3RD FL CORRIDOR 301 OUTSIDE SPED RM 302
SD	M2-39	3RD FL CORRIDOR 301 OUTSIDE GEN RM 308
SD	M2-40	3RD FL CORRIDOR 301 OUTSIDE GEN RM 310
SD	M2-41	3RD FL CORRIDOR 301 OUTSIDE GEN RM 314
SD	M2-42	3RD FL CORRIDOR 301 OUTSIDE GEN RM 316
SD	M2-43	3RD FL ELECTRIC RM 321
SD	M2-44	3RD FL C102CORRIDOR 301 OUTSIDE GEN RM 322
SD	M2-45	3RD FL CORRIDOR 301 OUTSIDE GEN RM 340
SD	M2-46	3RD FLCORRIDOR 301 OUTSIDE GEN RM 346
SD	M2-47	3RD FL CORRIDOR 301 OUTSIDE GEN RM 348
SD	M2-48	3RD FL ELEVATOR LOBBY
SD	M2-49	2ND FL CAFETERIA 241 DIRTY BY DIFFUSER
SD	M2-50	2ND FL CAFETERIA 241
SD	M2-51	2ND FL CAFETERIA 241
SD	M2-52	2ND FL PLATFORM 249
SD	M2-53	2ND FL CAFETERIA 241
SD	M2-54	2ND FL CAFETERIA 241
SD	M2-55	2ND FL CAFETERIA 241
SD	M2-56	2ND FL PLATFORM 249
HD	M2-57	TOP OF ELEVATOR SHAFT
WF	M2-60	3RD FL A SECTION 4" POTTER
WF	M2-61	3RD FL B SECTION BY STAIR 2 4" potter
TS	M2-62	3RD FL B SECTION BY STAIR 2 4" butterfly valve
TS	M2-63	3RD FL A SECTION 4" BUTTERFLY VALVE
MS	M2-67	3RD FL STAIR 2
MS	M2-68	3RD FL STORY RM 365
ZAM	M2-69	EMERGENCY EXIT STAIR 3
DD	M2-71	3RD FL RTU - 8 SUPPLY ABOVE RM 259
DD	M2-72	3RD FL RTU - 5 SUPPLY ABOVE RM 259
DD	M2-73	3RD FL C124RTU - 11 SUPPLY ABOVE RM 259
DD	M2-74	3RD FL RTU - 6 SUPPLY ABOVE RM 259
DD	M2-75	3RD FL RTU - 7 SUPPLY ABOVE RM 259
SD	M2-76	3RD FL ELECTRIC RM 352
SD	M2-77	3RD FL SMOKE CORRIDOR 351 OUTSIDE STAIR 2
SD	M2-78	3RD FL C107SMOKE CORRIDOR 351 OUTSIDE LIBRARY 360
SD	M2-79	3RD FL HEAD END RM 354
SD	M2-80	3RD FL STAIR 3
BEAM	M2-84	BEAM DETECTOR EAST SIDE OF GYM
BEAM	M2-85	BEAM DETECTOR WEST SIDE OF GYM

6. Salem High School

Location: 77 Willson Street
 System: Notifier NFS-3030
 Panel Location: Main Electric Basement

Panel:
 Horn/Strobe:
 Batteries: 4 X 12VDC X 100AH (no date)

Device	Address	Component or Location of Device
PHOTO	L1-1	RTU-S1B3 FOR ART RM
PHOTO	2	RTU-S2B2 FOR RM-A310
PHOTO	3	RTU-S2B3 PRACTICE RM
PHOTO	31	RTU-S1C6
PHOTO	32	RTU-S1C5
PHOTO	33	RTU-S1C4
PHOTO	34	RTU-S1C3
PHOTO	35	RTU-S1C7
PHOTO	36	RTU-S1C8
PHOTO	37	RTU-S2E2
PHOTO	38	RTU-S1E2
PHOTO	39	RTU-S3E2
PHOTO	40	RTU-S3D3
PHOTO	41	RTU-S2D3
PHOTO	42	RTU-S1D3
PHOTO	43	RTU-S1D2
PHOTO	44	RTU-S2D2
PHOTO	45	RTU-S3D2
PHOTO	46	RTU-S2D1
PHOTO	47	S1A4 RTU GYM DUCT
PHOTO	50	RTU-S1A3-FIELDHOUSE
PHOTO	51	RTU-S1A3-FIELDHOUSE
PHOTO	53	RTU-S1A2-FIELDHOUSE
PHOTO	54	RTU-S1A2-FIELDHOUSE
PHOTO	55	RTU-S1A1-FIELDHOUSE
PHOTO	56	RTU-S1A1-FIELDHOUSE
PHOTO	57	RTU-S1C2 ADMIN AREA
PHOTO	58	RTU-S3E3 UPPER AREA
PHOTO	59	RTU-S2E3 UPPER AREA
PHOTO	60	RTU-S1E3 UPPER AREA
MONITOR	L1-1	GYM LEVELS 1 & 2
MONITOR	2	LOCKER RMS-OFFICES
MONITOR	3	SHOPS-CLASSES-OFFICE
MONITOR	4	HOME EC-MUSIC-ART RM
MONITOR	5	BLACK CAT&ELEC CLASS
MONITOR	6	AUDITRM-OFFICE-IMC
MONITOR	7	OFFICES-CORRIDOR-IMC

MONITOR	8	TV STUDIO-OFFICE-IMC
MONITOR	18	LAB 211 - CLASS G219
MONITOR	23	CO2 SYS MAIN OFFICE
WF	26	SPRINKLER FLOW
WF	27	SPRINKLER FLOW RM 110
WF	28	SPRINKLER FLOW RM 210
WF	29	SPRINKLER FLOW RM 310
CONTROL	30	DOOR HOLDERS
RELAY	31	RTU-S1C6
RELAY	32	RTU-S1C5
RELAY	33	RTU-S1C4
RELAY	34	RTU-S1C3
RELAY	35	RTU-S1C7
RELAY	36	RTU-S1C8
RELAY	37	RTU-S2E2
RELAY	38	RTU-S1E2
RELAY	39	RTU-S3E2
RELAY	40	RTU-S3D3
RELAY	41	RTU-S2D3
RELAY	42	RTU-S1D3
RELAY	43	RTU-S1D2
RELAY	44	RTU-S2D2
RELAY	45	RTU-S3D2
RELAY	46	RTU-S2D1
RELAY	47	RTU-S1A4
RELAY	48	RTU-S1B3
RELAY	49	RTU-S2B2
RELAY	50	RTU-S2B3
CONTROL	54	HORN CKT 4
CONTROL	55	HORN CKT 5
CONTROL	61	HORN CKT 11
CONTROL	62	HORN CKT 12
CONTROL	63	HORN CKT 13
CONTROL	64	HORN CKT 14
CONTROL	65	HORN CKT 15
CONTROL	66	HORN CKT 16
CONTROL	70	HORN CKT 20
CONTROL	71	RED LIGHT CONTROL
CONTROL	72	2ND FLR B MUSIC AREA
MONITOR	73	DRILL SWITCH IS
RELAY	75	RTU-S1A3
RELAY	76	RTU-S1A3
RELAY	77	RTU-S1A2
RELAY	78	RTU-S1A1
RELAY	79	RTU-S1A1
RELAY	80	RTU-S1C2
RELAY	81	RTU-S3E3
RELAY	82	RTU-S2E3
RELAY	83	RTU-S1E3
RELAY	84	RTU-S1A2

MONITOR	90	FIREFIGHTERS E-10
CONTROL	97	MASTER BOX TRIPPED
Loop 2		
PHOTO	L2-1	IN STAIR 9
PHOTO	2	CLOSET RM 147
PHOTO	3	ELECTRIC RM M109
PHOTO	4	HALL C1014 BY M109
PHOTO	5	HALL C1014 BY T109
PHOTO	6	HALL C1014 BY149
PHOTO	7	HALL C1002 BY C1014
PHOTO	8	HALL C1002
PHOTO	9	HALL C1002 BY STR 10
PHOTO	10	IN STAIR 10
PHOTO	11	HALL C1002
PHOTO	12	HALL C1002
PHOTO	13	HALL BY C1013
PHOTO	14	HALL BY LOBBY 137
PHOTO	15	HALL BY C1011
PHOTO	16	HALL BY STAIR 6
PHOTO	17	SERV ELEV IN RM 145
PHOTO	18	IN STAIR 8
PHOTO	19	IN STAIR 9
PHOTO	20	STORAGE RM 247
PHOTO	21	ELECTRIC RM M209
PHOTO	22	HALL C2014 BY M209
PHOTO	23	HALL C2014 BY T209
PHOTO	24	HALL C2014 BY C2002
PHOTO	25	HALL C2002 BY M208
PHOTO	26	ELEC CLOSET M208
PHOTO	27	HALL C2002
PHOTO	28	HALL BY RM M248
PHOTO	29	IN STAIR 10
PHOTO	30	HALL C2002
PHOTO	31	HALL C2002
PHOTO	32	HALL C2002 BY C2013
PHOTO	33	HALL C2002 BY 237A
PHOTO	34	HALL C2002 BY 228
PHOTO	35	HALL C2002 BY STR 6
PHOTO	37	SERV ELE IN RM 245
PHOTO	38	IN STAIR 8
PHOTO	39	IN STAIR 9
PHOTO	40	STORAGE RM 347
PHOTO	41	ELECTRIC RM M309
PHOTO	42	HALL C3004 BY M309
PHOTO	43	HALL C3004 BY T309
PHOTO	44	HALL C3004 BY C3002
PHOTO	45	HALL C3002 BY C3004
PHOTO	46	HALL C3002
PHOTO	47	HALL C3002 BY STR 10
PHOTO	48	IN STAIR 10

PHOTO	49	HALL C3002
PHOTO	50	HALL C3002
PHOTO	51	HALL C3002 BY C3013
PHOTO	52	HALL C3002 BY 337A
PHOTO	53	HALL C3002 BY 328
PHOTO	54	HALL C3002 BY STR 6
PHOTO	56	SERV ELEV IN RM 345
PHOTO	57	IN STAIR 8
PHOTO	61	CORRIDOR AT STAIR 8
PHOTO	62	CORRIDOR AT RM 341
PHOTO	63	ELECTRIC CLOSET M306
PHOTO	64	CORRIDOR AT RM 333
PHOTO	65	STAIR 7
PHOTO	66	CORRIDOR AT RM 334
PHOTO	67	CORRIDOR AT RM 335
PHOTO	68	CORRIDOR AT RM 336
PHOTO	69	CORRIDOR AT RM 328
PHOTO	70	PENTHOUSE STAIR 6
PHOTO	71	STAIR 6
PHOTO	72	PENTHOUSE STAIR 8
PHOTO	73	CORRIDOR AT RM 340
PHOTO	74	CORRIDOR AT RM 339
PHOTO	75	CORRIDOR AT RM 337E
PHOTO	76	CORRIDOR AT RM 337C
PHOTO	77	MATH BOOK STRGE 337A
PHOTO	78	CORRIDOR AT STAIR 8
PHOTO	79	CORRIDOR AT RM 241
PHOTO	80	ELECTRIC CLOSET M211
PHOTO	81	CORRIDOR AT RM 233
PHOTO	83	CORRIDOR AT RM 234
PHOTO	84	CORRIDOR AT RM 235
PHOTO	85	CORRIDOR AT RM 236
PHOTO	86	CORRIDOR AT RM 228
PHOTO	87	BOOK STRGE RM 237A
PHOTO	88	EMGCY ELEC CLST M205
PHOTO	89	STAIR 6
PHOTO	90	CORRIDOR AT RM 237C
PHOTO	91	CORRIDOR AT RM 239
PHOTO	92	CORRIDOR AT RM 240
PHOTO	93	CORRIDOR AT RM 240
PHOTO	94	PENTHOUSE AT STAIR 9
PHOTO	95	PASS. ELEV LOBBY
PHOTO	96	PASS.ELEV LOBBY
PHOTO	97	CORRIDOR AT RM M210
PHOTO	98	PASS.ELEV LOBBY
PHOTO	99	CORRIDOR AT RM M310
PHOTO	100	CORRIDOR AT RM 128
PHOTO	101	CORRIDOR AT RM 136
PHOTO	102	CORRIDOR AT RM 135
PHOTO	103	CORRIDOR AT RM 134

PHOTO	104	STAIR 7
PHOTO	105	CORRIDOR AT RM 133
PHOTO	106	CORRIDOR AT RM 141
PHOTO	107	ELECTRIC CLOSET M105
PHOTO	108	CORRIDOR AT STAIR 8
PHOTO	109	CORRIDOR AT RM 140
PHOTO	110	CORRIDOR AT RM 140
PHOTO	111	CORRIDOR AT RM 139
PHOTO	112	CORRIDOR AT RM 137C
PHOTO	113	STAIR 6
PHOTO	114	DUCT S3D1-ROOF FOR
PHOTO	115	DUCT S1D1-ROOF FOR
PHOTO	116	DUCT S2E1 ROOF FOR
MANUAL STATION	L2-1	CAFÉ BY STAIR 9 EXIT
TS	2	TAMPER-RISER D
WF	3	FLOW-RISER D
TS	4	TAMPER-RISER E
WF	5	FLOW-RISER E
MANUAL STATION	6	EXIT BY STAIR 6
MANUAL STATION	7	CAFÉ BY STAIR 9 EXIT
TS	8	TAMPER-RISER D
WF	9	FLOW-RISER D
TS	10	TAMPER-RISER E
WF	11	FLOW-RISER E
MANUAL STATION	12	EXIT BY STAIR 6
MANUAL STATION	13	CAFÉ BY STAIR 9 EXIT
TS	14	TAMPER-RISER D
WF	15	FLOW-RISER D
TS	16	TAMPER-RISER E
WF	17	FLOW-RISER E
MANUAL STATION	18	EXIT BY STAIR 6
CONTROL	19	A/V BSTR TRIP & MNTR
RELAY	20	DOOR HOLDERS FOR D1
CONTROL	21	A/V BSTR TRIP & MNTR
RELAY	22	DOOR HOLDERS FOR D1
CONTROL	23	A/V BSTR TRIP & MNTR
RELAY	24	DOOR HOLDERS FOR D1
ansul	25	ANSUL IN CAFÉ
ansul	26	ANSUL IN CAFÉ
MANUAL STATION	27	STAIR 10
MANUAL STATION	28	CORRIDOR AT STAIR 8
MANUAL STATION	29	CORRIDOR AT STAIR 7
CONTROL	30	A/V BSTR TRIP & MNTR
MINI/DUAL MONITOR	31	BSTER IN CLST M311
MANUAL STATION	32	STAIR 8
MINI/DUAL MONITOR	33	BSTER IN CLST M211
MANUAL STATION	34	STAIR 7
MANUAL STATION	35	CORRIDOR AT STAIR 7
TS	36	TAMPER-STAIR 9
MANUAL STATION	37	CORRIDOR AT STAIR 8

TS	38	TAMPER-STAIR 8
MANUAL STATION	39	STAIR 7
TS	40	TAMPER STAIR 7
MINI/DUAL MONITOR	41	BSTER IN CLST M105
TS	42	TAMPER-STAIR 6
MANUAL STATION	43	MAIN LOBBY-STAIR 1
MANUAL STATION	44	MAIN LOBBY-STAIR 1
MANUAL STATION	45	MAIN LOBBY-STAIR 1
RELAY	46	SHUTDOWN FOR L2D114
RELAY	47	SHUTDOWN FOR L2D115
RELAY	48	SHUTDOWN FOR L2D116
CONTROL	149	CAFETERIA AREA
CONTROL	150	CAFETERIA AREA
CONTROL	151	CAFETERIA AREA
CONTROL	152	SPARE CIRCUIT
CONTROL	153	SPARE CIRCUIT
CONTROL	154	SPARE CIRCUIT
PS MON	155	IN MAIN FACP
PS MON	156	IN MAIN FACP
PS MON	157	IN MAIN FACP
PS MON	158	IN MAIN FACP
RELAY	159	SMOKE POWER RESET

Loop 3

PHOTO	L3-7	RM 115 SCIENCE PREP.
PHOTO	8	STAIR S104
PHOTO	9	HALL C1008 BY S104
PHOTO	10	HALL C1008 BY RM 118
PHOTO	11	HALL C1008 BY RM 124
PHOTO	12	STAIR S105
PHOTO	13	HALL C1008 BY S105
PHOTO	14	STORAGE RM 1270
PHOTO	15	HALL C1004 BY RM 127
PHOTO	16	ELECTRIC ROOM M104
PHOTO	17	TEEN PARENT STRGE RM
PHOTO	18	HALL BY LAB-114
PHOTO	28	SCIENCE PREP 215
PHOTO	29	STAIR S104
PHOTO	52	SCIENCE PREP 315
PHOTO	53	STAIR S104
PHOTO	54	CORRIDOR AT RM 315
PHOTO	55	CORRIDOR AT RM 318
PHOTO	56	CORRIDOR AT RM 319
PHOTO	57	CORRIDOR AT RM 326
PHOTO	58	CORRIDOR AT RM 327
PHOTO	59	STORAGE AT RM 327
PHOTO	60	ELECTRIC ROOM M304
PHOTO	61	BOOK STORAGE 323B
PHOTO	62	BOOK STORAGE 323B
PHOTO	63	CORRIDOR AT RM 314
PHOTO	64	TOP OF STAIR 3- BY

PHOTO	74	STAIR 5
PHOTO	75	CORRIDOR AT STAIR 4
PHOTO	76	CORRIDOR AT RM 218
PHOTO	77	CORRIDOR AT RM 219
PHOTO	78	CORRIDOR AT STAIR 5
PHOTO	79	STAIR 5
PHOTO	80	STORAGE AT RM 227A
PHOTO	81	CORRIDOR AT RM 227
PHOTO	82	ELECTRIC RM M204
PHOTO	83	BOOK STRGE RM M223B
PHOTO	84	CORRIDOR AT RM 214
PHOTO	85	STAIR 3
PHOTO	86	CORRIDOR AT STAIR 3
PHOTO	87	CORRIDOR AT ROOM 311
PHOTO	88	ELECTRIC CLOSET M301
PHOTO	89	CORRIDOR AT ROOM 305
PHOTO	90	STAIR 2
PHOTO	91	CORRIDOR AT ROOM 303
PHOTO	92	CORRIDOR AT ROOM 302
PHOTO	93	CORRIDOR AT ROOM 301
PHOTO	94	BOOK STRGE RM 308H
PHOTO	95	CORRIDOR AT ROOM 313
PHOTO	96	CORRIDOR AT ROOM 309
PHOTO	97	CORRIDOR AT ROOM 310
PHOTO	98	STAIR 3
PHOTO	99	CORRIDOR AT STAIR 3
PHOTO	100	CORRIDOR AT ROOM 211
PHOTO	101	ELECTRIC CLOSET M205
PHOTO	102	CORRIDOR AT ROOM 205
PHOTO	103	STAIR 2
PHOTO	104	CORRIDOR AT ROOM 203
PHOTO	105	CORRIDOR AT ROOM 202
PHOTO	106	CORRIDOR AT ROOM 201
PHOTO	107	BOOK STRGE RM 208H
PHOTO	108	CORRIDOR AT ROOM 213
PHOTO	109	CORRIDOR AT ROOM 209
PHOTO	110	CORRIDOR AT ROOM 210
PHOTO	111	CORRIDOR AT ROOM 113
PHOTO	112	CORRIDOR AT ROOM 112
PHOTO	113	CORRIDOR AT ROOM 110
PHOTO	114	CORRIDOR AT STAIR 3
PHOTO	115	STAIR 3
PHOTO	116	CORRIDOR AT ROOM 111
PHOTO	117	ELECTRIC CLOSET M101
PHOTO	118	CORRIDOR AT ROOM 105
PHOTO	119	STAIR 2
PHOTO	120	CORRIDOR AT ROOM 106
PHOTO	121	CORRIDOR AT ROOM 107
PHOTO	122	CORRIDOR AT ROOM 101
PHOTO	123	BOOK STRGE RM 108H

PHOTO	125	DUCT S1E1 ROOF FOR
PHOTO	126	DUCT S3E1 ROOF FOR
MANUAL STATION	L3-1	STAIR S104
TS	2	TAMPER-STAIR S104
TS	3	TAMPER-STAIR S105
MINI/DUAL MONITOR	4	BOOSTER IN RM M101
MINI/DUAL MONITOR	5	BOOSTER IN RM M201
MINI/DUAL MONITOR	6	BOOSTER IN RM M301
CONTROL	7	BOOSTER TRIP FOR
MANUAL STATION	8	CORRIDOR AT STAIR 4
MANUAL STATION	9	CORRIDOR AT STAIR 5
MANUAL STATION	10	STAIR 4
MANUAL STATION	11	STAIR 5
MANUAL STATION	12	AT STAIR 5
MANUAL STATION	13	CORRIDOR AT STAIR 3
MANUAL STATION	14	CORRIDOR AT STAIR 2
MANUAL STATION	15	CORRIDOR AT STAIR 3
MANUAL STATION	16	CORRIDOR AT STAIR 2
TS	17	TAMPER STAIR 3
MANUAL STATION	18	CORRIDOR AT STAIR 3
MANUAL STATION	19	STAIR 2
TS	20	TAMPER STAIR 2
RELAY	22	SHUTDOWN FOR L3D125
RELAY	23	SHUTDOWN FOR L3D126

Loop 4

PHOTO	L4-1	GROUND LEVEL
PHOTO	2	GROUND LEVEL
PHOTO	3	GROUND LEVEL
PHOTO	4	GROUND LEVEL
PHOTO	5	GROUND LEVEL
PHOTO	6	GROUND LEVEL
PHOTO	7	GROUND LEVEL
PHOTO	8	GROUND LEVEL
PHOTO	9	GROUND LEVEL
PHOTO	10	GROUND LEVEL
PHOTO	14	GROUND LEVEL
PHOTO	15	GROUND LEVEL
PHOTO	16	GROUND LEVEL
PHOTO	17	GROUND LEVEL
PHOTO	18	GROUND LEVEL
PHOTO	19	GROUND LEVEL
PHOTO	20	GROUND LEVEL
PHOTO	21	GROUND LEVEL
PHOTO	22	GROUND LEVEL
PHOTO	23	GROUND LEVEL
PHOTO	24	GROUND LEVEL
PHOTO	25	GROUND LEVEL
PHOTO	26	GROUND LEVEL
PHOTO	27	GROUND LEVEL
PHOTO	28	GROUND LEVEL

PHOTO	29	GROUND LEVEL
PHOTO	30	GROUND LEVEL
PHOTO	31	GROUND LEVEL
PHOTO	32	GROUND LEVEL
PHOTO	33	GROUND LEVEL
PHOTO	34	GROUND LEVEL
PHOTO	35	GROUND LEVEL
PHOTO	36	GROUND LEVEL
PHOTO	37	GROUND LEVEL
HEAT	38	CRAWL AREA
PHOTO	39	GROUND LEVEL
PHOTO	40	GROUND LEVEL
MANUAL STATION	L4-1	GROUND FLR
Ansul	2	GROUND FLR
MANUAL STATION	3	GROUND FLR
TS	4	GROUND FLR
WF	7	GROUND FLR
CONTROL	8	BY MAIN FACP
RELAY	9	BY MAIN FACP
RELAY	10	GRND-KITCHEN
MANUAL STATION	12	GROUND FLOOR
WF	13	FOR E1/E2
TS	14	FOR E1/E2
WF	14	FOR E1/E2
TS	14	FOR E1/E2
TS	15	FOR E1/E2
WF	16	FOR D1/D2
TS	17	FOR D1/D2
TS	18	FOR D1/D2
TS	19	GROUND FLOOR
TS	20	GROUND LEVEL
TS	21	GROUND LEVEL
RELAY	22	GRND RM M008
RELAY	23	GRND RM M008
RELAY	24	GRND RM M008
RELAY	25	GRND RM M008
RELAY	26	GRND RM M007
RELAY	27	GRND RM M007
RELAY	28	GRND RM M007
RELAY	29	GRND RM M007
PS	30	GROUND LEVEL
PS	31	TUNNEL GRND
WF	32	GROUND LEVEL
TS	33	GROUND LEVEL
TS	34	DOCK GRND
WF	35	DOCK GRND
PS	36	LOAD DOCK
TS	37	GROUND LEVEL
RELAY	38	RM 015 GRND
MINI/DUAL MONITOR	39	0C-GROUND

CONTROL	40	OC-BY FACP
MANUAL STATION	41	GROUND LEVEL
MANUAL STATION	42	GROUND LEVEL
RELAY	43	BOILER RM
HD		Outside rm 155
SD		Main lobby double doors by stair 12
HD		Out/data room 156
SD		Main lobby double doors by stair 12
HD		Out main admin rm 158
MS		Out room 158D Principals office
DSD		S-IC-2 Out room 158 G
HD		Inside room 158 G
HD		Hall out mach room 005
HD		In classroom A-112
HD		In stor. 089
HD		In 088
HD		In fire dept ?? Description
HD		In United area 56
HD		In culinary
HD		In black cat café
HD		out rm 56
MS		Out black cat café
MS		Gym DR 25
HD		Exit bldg by drive #5 mech room
HD		Storage room A023
HD		Storage room A066
MS		Storage room stairs to upper level
MS		Storage room stairs to upper level
DSD		S-IA-3 Supply field house
DSD		S-IA-3 return field house
DSD		S-IA-2 Supply field house
DSD		S-IA-2 return field house
MS		Upper level by exit Field House
MS		Upper level by exit field house
DSD		Upper level by exit supply
DSD		Upper level by exit return
HD		mens room upper level
HD		Field house balcony
HD		Field house balcony
HD		Field house balcony
MS		Gymnasium by exit
HD		Gymnasium storage room 65
HD		Gymnasium storage room 65
HD		By coaches room 80
HD		corr by room 87
MS		Exit by room 87
MS	L1M006	Main entrance
HD		Main lobby
HD		Ticket 194 room
MS		In auditorium

HD		Mens room main lobby
HD		Womens room main lobby
HD		Outside media room 155
SD	L1M6	Main Lobby double doors by stair 12
HD		Out. Tele/data room 156
SD	L1M6	Main lobby double doors by stair 12
HD		Out. Main Admin room 158
MS		Out. Room 158D principals office
DSD		S-1C-2 Out. Room 158G
HD		Inside room 158G
HD		Inside room 158D
HD		Mens room by 158D
HD		Womens room by 158D
HD		In conf. room 158B
HD		In conf. room 158C
HD		In room 158E
HD		In room 158F
HD		Outside room 158F (kitchen area)
HD		In rom 158A (vault)
HD		In room 158H
HD		Out. Ladder room 189
MS		Fire surpression by 158G
MS		Fire surpression by 158A
HD		Out. Athletic office
HD		Inside Athletic office
HD		Inside Athletic office break room
HD		Inside Athletic office closet
HD		Outside 162A
HD		Inside 162A
HD		Corr. By 162A
HD		Outside 166-184 pesce unified art
HD		outside room 166
HD		outside room 166
HD		outside stage room 191
HD		outside stage room 191
HD		outside room 185
HD		inside room 185A
HD		inside room 185B
HD		inside room 185C
HD		inside room 185D
HD		inside room 185E
HD		inside room 185F
HD		inside room 185F
HD		mens room in 185
HD		womens room in 185
HD		outside room 184
HD		inside room 184
HD		inside room 183
MS	L1M003	exit by 183 (stair 16)
HD		exit by 183

MS		exit bu room 177
HD		emergency exit by room 177
HD		woodworking shop
HD		Stair 14 by wood shop
MS	L1M003	Stair 14 by wood shop
HD		woodworking shop
HD		metal shop
HD		metal shop
HD		woodworking shop
HD		woodworking shop room 172
HD		wood working shop room 171
?		wood working shop dust collector
HD		Storage room 168
HD		Kiln Room 167
HD		Art room 166
HD		Art room 166
HD		Art room 166
MS		Art room 166 emergency exit
HD	M111	Art room 166 Cust.room
HD		Art room 166 Cust. Room (A) next to
MS		By stair 13 exit
HD		By stair 13 exit
HD		in stair 13
SD		Library main entrance
MS		library main entrance desk
SD		Library
SD		library
MS		rear exit library
SD		library (upper) CL 6
SD		library (upper) CL 6
SD		library 2nd floor
SD		library 2nd floor
SD		library 2nd floor
MS		library 2nd floor desk
SD		library 3rd fl
SD		library 3rd fl
SD		library 3rd fl
MS	L1M008	library 3rd fl desk (media center)
HD		library 3rd fl room 357
HD		library 3rd fl room 356 (tv studio)
HD		library 3rd fl room 358
HD		library 3rd fl room 359
HD		library 3rd fl room 361
HD		auditorium room 192
HD		auditorium room 193
MS		auditorium main exit
MS		auditorium main exit
HD		auditorium above seating
HD		auditorium above seating
HD		auditorium above seating

HD		auditorium above seating
HD	L1M7	2nd fl main lobby by media ctr rm 256
HD		2nd fl by aud. 290
SD		Corr double doors by 256 (school Store)
SD		Corr double doors by 256 (school Store)
HD		School store room 256
HD		Corr. By music rm 266-285
HD		Corr. By cust. Cl. M212
HD		Inside Cust. Cl M212
MS	L1M4	By Cust. Cl M 212 Str 13
HD	L1M4	Boys Room music 2nd fl
HD		Girls room music 2nd floor
HD		2nd fl music by boys/girls room
HD		2nd fl music by boys/girls room
HD		2nd fl corr. By music room 265
HD		inside room 265
HD		inside room 265A
HD		inside room 265B
HD		inside room 265C
HD		inside room 265D
HD		inside room 265E
HD		inside room 265F
HD		inside room 265G
HD		inside room 265H
HD		inside room 266
HD		inside room 266
HD		inside room 266B
HD		inside room 266A
HD		2nd fl corr. By room 285
HD		inside room 285
HD		inside room 285A
MS		at stair 16
HD		inside room 284
HD		inside stair 16 by room 284
HD		corr.by room 282
HD		inside room 282
HD		inside room 283
HD		inside room 281A
HD		inside room 280 storage
HD		inside room 279
MS	L1M4	2nd fl corr at stair 15
HD		in room 274
HD		mech room home arts room 270
HD		inside room 275C
MS		at stair 4 in home arts room 270
HD		in room 270 home arts
HD		in room 270 home arts (missing)
HD		in room 270 home arts
HD		in room 270 home arts
HD		in room 272 storage

SD		main lobby stairs 3rd fl
HD		Auditorium control booth room 391
HD		Corr. Main lobby by 355
SD	L1M4	top of stair 15 2nd floor
SD		top of ceiling field house CL6
SD		top of ceiling field house CL6
SD		top of ceiling field house CL6
SD		top of ceiling field house CL6
SD		top of ceiling field house CL6
SD		top of ceiling field house CL6
SD		top of ceiling field house CL6
SD		top of ceiling field house CL6
FACP		FACP
Avs		
batteries		
SD		Salerno auto center
DSD		Salerno auto center
DSD		Salerno auto center
MS		Salerno auto center
MS		Salerno auto center
MS		Salerno auto center
TS		Salerno auto center
TS		Salerno auto center
WF		Salerno auto center
EB		Salerno auto center
WG		Salerno auto center

Booster locations

Power Supply	L3M6	2x 12 vdc x 7ah 8/31/10
Power Supply	L3M30	2x 7ah 3/9/07
Power Supply	L3M5	2x 12v x 7ah 9/17/10
Power Supply	L3M24	2x 12v x 7ah 2/25/10
Power Supply	L3 M7/4	2x 12v x 7ah 8/12/10
Power Supply	L2M41 M23	2x 12v x 7ah no date
Power Supply	M8/9	2x 12v x 7ah no date
Power Supply	L1M40	2x 12v x 7ah 8/2010
Power Supply		2x 12v x 7ah 3/2009

Annunciator (3)		
FACP		no date

Modules @ FACP

Gym level 1 & 2	L1M1	disabled (0A) (1A)
Lockers rms/offices	L1M2	disconnected - jumped out (0B)

Shops, classes, office	L1M3	(1B)
Home Ec, music, art	L1M4	(2B)
black cate café/elec class	L1M5	(0C)
auditorium, office ,media ctr.	L1M6	(1C) IMC
offices, corr, IMC	L1M7	(2C)
tv studio, office, IMC	L1M8	(3C)

7. Saltonstall Elementary School

Location: 211 Lafayette Street
System: NFS2-3030
Panel Location:

Panel:
Horn/Strobe:
Batteries: 4 X 12VDC X 100AH (no date)

Device	Address	Component or Location of Device
SD	1-1	MUSIC ROOM 018
SD	1-2	MUSIC ROOM 018
SD	1-3	STAIR D
SD	1-4	COMPUTER LAB
SD	1-5	CORRIDOR 052
SD	1-6	STORAGE 014-C
SD	1-7	KITCHEN CORRIDOR
SD	1-8	KITCHEN 014
SD	1-9	KITCHEN 014
SD	1-10	CAFETERIA 013
SD	1-11	CAFETERIA 013
SD	1-12	CAFETERIA 013
SD	1-13	CAFETERIA 013
SD	1-14	CAFETERIA 013
SD	1-15	FACULTY DINING 012
SD	1-16	TOILET 012-A
SD	1-17	FACULTY DINING 012
SD	1-18	VESTIBULE 046
SD	1-19	CORRIDOR 047
SD	1-20	CORRIDOR 047
SD	1-21	KITCHEN OFFICE 014-D
SD	1-23	LOCKER ROOM 022
SD	1-24	BOYS ROOM 028
SD	1-25	MENS ROOM 023-A
SD	1-26	CORRIDOR 045
SD	1-27	GIRLS ROOM 027
SD	1-28	WOMENS ROOM 023-B
SD	1-29	CORRIDOR 024
SD	1-30	CORRIDOR 024
SD	1-31	ELECTRIC ROOM 025
SD	1-32	CORRIDOR 044
SD	1-33	CORRIDOR 044

SD	1-34	CORRIDOR 044
SD	1-35	CLASSROOM 019
SD	1-36	STORAGE 020
SD	1-37	CLASSROOM 021
SD	1-38	CUSTODIAN ROOM 001
SD	1-39	CHAPTER ONE 002
SD	1-40	PARENT VOLUN. RM 004
SD	1-41	STAIR B B-01
SD	1-42	CORRIDOR 043
HD	1-43	MECH ROOM 010
HD	1-44	MECH ROOM 009
SD	1-45	CORRIDOR 043
SD	1-46	CORRIDOR 043
SD	1-47	KINDERGARTEN 008
SD	1-48	KINDERGARTEN 008
SD	1-49	BOYS ROOM 007-C
SD	1-50	GIRLS ROOM 007-B
SD	1-51	CORRIDOR 007-A
SD	1-52	KINDERGARTEN 007
SD	1-53	KINDERGARTEN 007
SD	1-54	VESTIBULE 042
SD	1-55	ELEVATOR LOBBY
SD	1-56	MAIN ELEC. ROOM 006
SD	1-57	EMERG. ELEC ROOM 006-A
SD	1-59	STAIR A A-01
SD	1-60	CORRIDOR 043
SD	1-61	GYMNASIUM
SD	1-62	GYMNASIUM
SD	1-63	GYMNASIUM
SD	1-64	GYMNASIUM
SD	1-65	GYMNASIUM
SD	1-66	GYMNASIUM
SD	1-67	GYMNASIUM
SD	1-68	GYMNASIUM
SD	1-69	GYMNASIUM
SD	1-70	GYMNASIUM
SD	1-71	GYMNASIUM
SD	1-72	GYMNASIUM
SD	1-73	GYMNASIUM
SD	1-74	GYMNASIUM
SD	1-75	STAIR E E-01
SD	1-76	CUSTODIAN OFF. 039-A
DD	1-77	RF-1
HD	1-78	FAN ROOM 005
SD	1-79	STAIR E E-001
SD	1-80	STAIR A A-01
SD	1-81	STORAGE ROOM 004
SD	1-82	ELEV MACH ROOM 003
SD	1-83	ELEVATOR LOBBY
SD	1-84	MECH ROOM 002

HD	1-85	MECH ROOM 011-B
SD	1-86	STAIR B
SD	1-87	EMER ELEC ROOM 011-C
HD	1-88	MECH ROOM 011
SD	1-89	EMERG ELEC ROOM 026
SD	2-1	COAT ROOM 123-A
SD	2-2	CLASSROOM 123
SD	2-3	COTS 126-B
SD	2-4	TOILET 124-A
SD	2-5	TOILET 124-A
SD	2-6	CORRIDOR 145
SD	2-7	STAIR D-101
SD	2-8	CLASSROOM 122
SD	2-9	COAT ROOM 122
SD	2-10	COAT ROOM 120
SD	2-11	CLASSROOM 120
SD	2-12	CLASSROOM 119
SD	2-13	CORRIDOR 147
SD	2-14	CORRIDOR 147
SD	2-15	OFFICE 128
SD	2-16	PSYCHOLOGIST 121
SD	2-17	ELEC ROOM 140
SD	2-18	CONFERENCE ROOM 127
SD	2-19	WAITING ROOM 126-A
SD	2-20	MAIL/COPY ROOM 129
SD	2-21	IDF ROOM 139
SD	2-22	CORRIDOR 145
SD	2-23	NURSE 126-A
SD	2-24	WAITING/ADMIN 125-A
SD	2-25	ENTRY LOBBY 129
SD	2-26	CLASSROOM 101
SD	2-27	CORRIDOR 145
SD	2-28	CORRIDOR 143
SD	2-29	BOYS ROOM 114
SD	2-30	CORRIDOR 147
SD	2-31	MEDIA ROOM 117-A
SD	2-32	FACULTY ROOM 117
SD	2-33	TOILET 117-D
SD	2-34	MULTI-PURPOSE ROOM 142
SD	2-35	GIRLS ROOM 113
SD	2-36	COAT CLOSET RM 111
SD	2-37	CLASSROOM 111
SD	2-38	ANTEROOM 105-A
SD	2-39	FIRE COMMAND ROOM 105
SD	2-40	VESTIBULE 105-B
SD	2-41	CORRIDOR 101-B
SD	2-42	CORRIDOR 145
SD	2-43	CLASSROOM 110
SD	2-44	CORRIDOR 146
SD	2-45	CORRIDOR 146

SD	2-46	ART ROOM 109
SD	2-47	GUIDANCE ROOM 108
SD	2-48	SPEECH THERAPY 107
SD	2-49	ELEVATOR LOBBY
SD	2-50	STAIR A-101
SD	2-51	VESTIBULE 106-A
SD	2-52	STORAGE 106
SD	2-53	ANTEROOM 106-B
SD	2-54	STORAGE ROOM 104
SD	2-55	LOBBY 102-A
SD	2-56	STORAGE 103
SD	2-57	FACULTY RM 117
SD	2-58	PRINCIPAL ROOM 125-B
DD	2-59	AHU-5 SUPPLY 1-S
SD	2-60	ART ROOM STORAGE 109-A
SD	2-61	COAT CLOSET ROOM 110
DD	2-62	FCU ROOM 101 RETURN
DD	2-63	AHU-4 RETURN RM 111
DD	2-64	AHU-4 SUPPLY RM 111
SD	2-65	JANITORS CLOSET 115
SD	2-66	BATHROOM 116
SD	2-67	EMERG ELEC ROOM 141
DD	2-68	AHU-5 RETURN I-S
DD	2-69	AHU-5 RETURN I-S
DD	2-70	AHU-5 SUPPLY 1-S
DD	2-71	FCU ROOM 101 RETURN
SD	2-72	LIBRARY
SD	2-73	LIBRARY
SD	2-74	LIBRARY
SD	2-75	LIBRARY
SD	2-76	LIBRARY
SD	2-77	LIBRARY
SD	3-1	STORAGE RM 224-A
SD	3-2	CLASSROOM 219
SD	3-3	COAT CLOSET RM 219
SD	3-4	CLASSROOM 218
SD	3-5	CLASSROOM 217
SD	3-6	CORRIDOR 232
SD	3-7	CORRIDOR 232
SD	3-8	CLASSROOM 216
SD	3-9	CLASSROOM 215
SD	3-10	CLASSROOM 214
SD	3-11	CORRIDOR 232
SD	3-12	CORRIDOR 231
SD	3-13	JANITORS CLOSET 212
SD	3-14	BOYS ROOM 211
SD	3-15	GIRLS ROOM 210
SD	3-16	COAT CLOSET 208-A
SD	3-17	CLASSROOM 208
SD	3-18	CLASSROOM 207

SD	3-19	COAT CLOSET 207-A
SD	3-20	CORRIDOR 233
SD	3-21	CLASSROOM 206
SD	3-22	CONFERENCE ROOM 205
SD	3-23	ELEVATOR LOBBY
SD	3-24	STAIR A
SD	3-25	CORRIDOR 233
SD	3-26	CONFERENCE ROOM 204
HD	3-27	UPPER STAGE
HD	3-28	UPPER STAGE
SD	3-29	CORRIDOR 209
SD	3-30	MDF ROOM 203
SD	3-31	CLASSROOM 202
SD	3-32	COAT CLOSET RM 201
SD	3-33	CLASSROOM 201
SD	3-34	CORRIDOR 209
SD	3-35	FACULTY RM 225
SD	3-36	CORRIDOR 209
SD	3-37	CLASSROOM 223
SD	3-38	COAT CLOSET RM 223
SD	3-39	BATHROOM RM 223-C
SD	3-40	STORAGE ROOM 222
SD	3-41	CORRIDOR 223-B
SD	3-42	COAT CLOSET RM 221
SD	3-43	CLASSROOM 221
SD	3-44	STAIR D
SD	3-45	CORRIDOR 209
SD	3-46	CLASSROOM 224
SD	3-47	CLASSROOM 206 STORAGE
SD	3-48	ELECTRIC ROOM 224-B
BEAM	3-49	AUDITORIUM
BEAM	3-50	AUDITORIUM
SD	3-51	BALCONY 228
SD	3-52	BALCONY 228
SD	3-53	PROTECTION BOOTH
DD	3-54	AHU-2 SUPPLY ROOM 204
DD	3-55	AHU-2 RETURN ROOM 204
DD	3-56	AHU-2 RETURN ROOM 204
DD	3-57	AHU-2 SUPPLY ATTIC
DD	3-58	AHU-2 RETURN ATTIC
DD	3-59	AHU-2 RETURN RM 203
DD	3-60	AHU-2 SUPPLY RM 203
DD	3-61	AHU-2 SUPPLY ATTIC
DD	3-62	AHU-2 SUPPLY ATTIC
DD	3-63	AHU-2 RETURN RM 207
DD	3-64	AHU-4 RETURN RM 208
DD	3-65	AHU-4 SUPPLY RM 208
DD	3-66	AHU-5 SUP 2S ATTIC
DD	3-67	AHU-5 RET 2S ATTIC
DD	3-68	BATHROOM 213

DD	3-69	CORRIDOR 209
MS	1-1	CAFETERIA
MS	1-2	CAFETERIA
MS	1-3	CORRIDOR 047
MS	1-4	CORRIDOR 052
MS	1-5	KITCHEN 014
MS	1-6	CORRIDOR 044
MS	1-7	KINDERGARTEN 008
MS	1-8	VESTIBULE 042
MS	1-9	CORRIDOR 043
MS	1-10	STAIR E E-01
MS	1-11	KINDERGARTEN RM07
TS	1-17	CITY SIDE
TS	1-18	BLDG SIDE
WF	1-19	MAIN
TS	1-20	GYM
WF	1-21	GYM
TS	1-22	GROUND FLOOR
WF	1-23	GROUND FLOOR
TS	1-24	BOILER ROOM
WF	1-25	BOILER ROOM
TS	1-26	GROUND FLOOR REAR
WF	1-27	GROUND FLOOR REAR
TS	1-28	FAN ROOM 005
WF	1-29	FAN ROOM 005
TS	1-30	LOBBY 102-A
WF	1-31	LOBBY 102-A
MS	2-1	LOBBY 102-A
MS	2-2	LOBBY 102-A
MS	2-3	STAIR A A-101
MS	2-4	STAIR D D-101
MS	2-5	ENTRY LOBBY 129
MS	2-6	CORRIDOR AT STAIR A
MS	2-7	CORRIDOR 101-B
MS	2-8	CORRIDOR STAIR D
BEACON	2-25	OUTSIDE
TS	2-29	
WF	2-30	
TS	2-31	HOSE CAB STAGE
WF	2-32	HOSE CAB STAGE
TS	2-33	REAR
WF	2-34	REAR
TS	3-15	
WF	3-16	
TS	3-17	REAR
WF	3-18	REAR
TS	3-19	DRY SYS STAGE
WF	3-23	DRY SYSTEM STAGE
WF	3-24	DRY SYSTEM ATTIC
MS	3-25	AUDITORIUM

MS	3-26	STAIR D CORRIDOR
MS	3-27	STAIR A CORRIDOR
TS	3-28	DRY SYSTEM ATTIC
WF	3-29	DRY SYSTEM LOW PRESSURE

8. Witchcraft Heights Elementary

Location: 1 Frederick Street
System: EST2
Panel Location: B048

Panel FACP
SPKR/Strobes Speaker & Strobes
voice evac
Batteries FACP - 2x 12v 33ah new 2012
Batteries FACP - 2x 12v 7ah new 2012
Batteries 6 Boosters @fACP 12x 12v 7ah 3/2012

Device	Address	Component or Location of Device
SD	101	CORR A025
SD	102	CORR A025
SD	103	VEST A032
SD	104	CORR A024
SD	105	CORR A024
SD	106	CORR A015
SD	107	CORR A015
SD	108	ELEV MACH RM A021
SD	109	MAIN LOBBY
SD	110	MAIN LOBBY
SD	111	ELEC RM A022
SD	112	STR 1 A020
SD	113	ELEC RM
SD	114	CORR A002
SD	115	CORR A002
SD	116	CORR A002
SD	117	VEST B11
SD	118	VEST B11
SD	119	STR 1 A020
SD	120	STR 1 A020
SD	121	ELEV LOBBY B007
SD	122	BEHIND ELEV SHAFT
SD	123	CORR B035
SD	124	CORR B035
SD	125	CORR B035
SD	126	CORR B035
SD	127	CORR B035
SD	128	CORR B035
SD	129	CORR B035
SD	130	CORR B035
SD	131	CORR B035 BOTTOM OF RAMP BY FACP

SD	132	ELEC B18A
SD	133	MECH RM B050
SD	134	MECH RM B050
SD	135	NEAR OFFICE B048
SD	136	NEAR OFFICE B040
SD	137	CORR NEAR CONF. RM B32 (ISO BASE)
SD	138	PASS. B29
SD	139	TECH CLOSET B21B
SD	140	PASS. B22 OUTSIDE DRY STOR. B22
HD	141	KITCH B17
HD	142	KITCH B17
HD	143	ELEV. SHAFT
MS	221	VEST A032
MS	22+B282	VEST A000
MS	223	VEST A001
MS	226	VEST B11
MS	227	1st fl B wing vest B000
MS	228	1st fl cafeteria B014
MS	M229	MECH RM B50
MS	M230	1st floor b wing corr b035
MS	M231	1st fl b wing pass b029
SD	144	STR1 A20 / A001
SD	301	STR 2 C024 BY STAIR 2
SD	302	CORR C025 BY STAIR 2
SD	303	CORR C025
SD	304	CORR C025
SD	305	CORR C025
SD	306	CORR C025
SD	307	CORR C025 1st floor elevator lobby
SD	308	CORR C025
SD	309	CORR C025
SD	310	CORR C025
SD	311	STR 5 C007
SD	312	ELEC C026
SD	313	PASS C020 across from c044
SD	314	MACH C018 elevator machine room
SD	316	EM ELEC
SD	317	1st floor C115CORR C005
HD	318	PRIMARY KITCHEN D036B
SD	319	CORR D035A across conference rm D036A
SD	320	GRD FLR SOUTH CORR BY D004
SD	321	GRD FLR SOUTH CORR BY D004
SD	322	GRD FLR SOUTH CORR BY D007
SD	323	GRD FLR SOUTH CORR D010
SD	324	GRD FLR SOUTH CORR by electric rm D016B
SD	325	GRD FLR SOUTH CORR across from D032
SD	326	GRD FLR SOUTH CORR across from D025
SD	327	GRD FLR SOUTH CORR floor 1 stair 5
SD	329	STR D002
SD	330	STR D002 STAIR 4

SD	331	CORR D001
SD	332	CORR D001 RAMP TO STAIR 4
SD	333	CORR D001 RAMP TO STAIR 4
SD	334	CORR D017 top of ramp
SD	335	CORR D017 across from teachers rm
SD	336	CORR D017 across from teachers rm
SD	337	CORR D017 across from head end rm
SD	338	STR D028 ISO BASE
SD	339	STR D028 1st fl stair 5 exit
SD	340	HEAD END RM D018
SD	341	ELEC D16B
SD	342	STR C200
SD	343	STR VEST C200
SD	344	CORR C201
SD	345	CORR C201
SD	346	CORR C201
SD	347	CORR C201
SD	348	CORR C201 elev lobby second floor
SD	349	CORR C201
SD	350	CORR C201
SD	351	CORR C201
SD	352	ELEC C224
SD	353	STR C209
HD	354	TOP OF ELEV SHAFT
SD	255	EM ELEC
SD	256	ELEC D224
SD	257	CORR D203
SD	258	CORR D203
SD	259	CORR D203
SD	260	CORR D203
SD	261	CORR D203
SD	262	CORR D203
SD	263	CORR D203
SD	264	CORR D203
SD	265	DATA D225
SD	266	STR D215
SD	267	STR D202
SD	268	CORR D201
SD	269	CORR D201
SD	270	CORR D201
SD	271	CORR D201
MS	446	RM NEXT TO STR2 C024
MS	447	STR 3 C007
MS	448	KILN VENT C012 (IN C013)
MS	421	STR D002 STAIR 4
MS	422	CORR D035A across conference rm D036A
MS	423	STR D028 stair 5 exit
MS	M226	1st fl Bwing vest b011
MS	428	STR2 C024
MS	429	STR3 C007

MS	32+B114	STR D202
MS	33	STR D215
DSD	248	RTU1 KITCHEN
DSD	254	RTU2 KITCHEN
DSD		RTU3 GYM
DSD		RTU4 GYM
TS		24 TOTAL
WF		5 TOTAL
A/V		155 TOTAL
S/O		27 TOTAL
		Sprinkler
PIV	M241	POST IND. VALVE
TS	M234	Valve Tamper Sprinkler rm B03B 6" osy potter
TS	M234	Valve Tamper Sprinkler rm B03B 6" osy potter
WF	M235	Main Riser A & B wings B03B ps40
WF	M236	Main Riser C & D wings B03B ps40
TS	M233	Low Water Pressure Sprinkler rm B03B potter ps40
TS	M224	A wing Lower Level Stair 1 A020 4" butterfly
WF	M225	A wing Lower Level Stair 1 A020 4" potter
TS	M239	A wing Stair 1 A020 6" butterfly valve
TS	M239	A wing Stair 1 A020 6" butterfly valve
WF	M240	A wing stair 1 A020 6" potter vsr-f
WF	M236	Main Riser C & D wings B03B 6" potter ***
TS	M436	C Wing FL 1 Stair 2 C024 4" butterfly valve
WF	M437	C Wing FL 1 Stair 2 C024 4" Potter vsr-f
TS	M434	D Wing FL 2 Stair D202 4" butterfly valve (in stair 4)
WF	M435	D Wing FL 2 Stair D202 4" (in stair 4) 4" potter vsr-f
WF	M235	Main Riser A & B wings B03B ***
TS	M434	D Wing FL 2 Stair D202 (stair 4) 6" butterfly valve
TS	M438	D Wing FL 2 Stair D215 (stair 5) 6" butterfly valve
TS	M430	C Wing FL 2 Stair 2 C024 4" butterfly valve
WF	M431	C Wing FL 2 Stair 2 C024 4" potter vsr-f
TS	M440	C Wing FL 2 Corridor C201 (should be C210) 4" butterfly
TS	M234	Sprinkler rm main ts 8" osy
TS	M237	DRY SYS MECH RM B050
PS	M238	DRY SYS MECH RM B050
ANSUL	M243	KITCHEN
	M454	D Wing fl 1 Rm D004
TS	M455	D Wing fl 1 Rm D004
4-21-15		pressure switch on C+D don't come in on flow conditions
VOICE ANNOUNCEMENT ONLY/NO TEMPORAL TONE/VERY LOW VOLUME		

9. New Liberty Charter School

Location: Museum Place Mall, 2nd Floor

Device	Count	Locations
Light Strobes	14	bathrooms, waiting area, study rooms, small classroom
Horn and Light Strobes	18	Classrooms, common halls, kitchen, stairwells
Smoke Detectors	11	Common areas, stairwells, corridors, electrical room

Heat Detectors	11	Kitchen, electrical room, maintenance area
Pull stations	4	All egress doors