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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

JOANNE F. GOLDSTEIN
Secretary
HEATHER E. ROWE
Director

Awarding Authority: City of Waltham
Contract Number: **City/Town:** WALTHAM
Description of Work: INSTALLATION OF DIMMER SYSTEM AT THE WALTHAM HIGH SCHOOL
Job Location: 617 LEXINGTON STREET

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.
- Awarding authorities 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.
- 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. Once a contractor has been selected by the awarding authority, the wage schedule shall be made a part of the contract for that project. The wage schedule must be posted in a conspicuous place at the work site during 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 regardless of 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 Training (DAT). Apprentices must keep his/her apprentice identification card on his/her person during all work hours on the project. If an apprentice rate is listed on the prevailing wage schedule for the trade in which an apprentice is registered with the DAT, the apprentice 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 DAT, 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. 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 directly to the awarding authority 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 A</i> | 12/01/2012 | \$31.55 | \$8.91 | \$8.00 | \$0.00 | \$48.46 |
| (3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2012 | \$31.62 | \$8.91 | \$8.00 | \$0.00 | \$48.53 |
| (4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2012 | \$31.74 | \$8.91 | \$8.00 | \$0.00 | \$48.65 |
| ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2013 | \$84.21 | \$9.80 | \$18.17 | \$0.00 | \$112.18 |
| | 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 1</i> | 06/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 12/01/2013 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 06/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 12/01/2014 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 06/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 12/01/2015 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 06/01/2016 | \$38.30 | \$7.10 | \$12.45 | \$0.00 | \$57.85 |
| | 12/01/2016 | \$39.30 | \$7.10 | \$12.45 | \$0.00 | \$58.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i> | 06/01/2013 | \$29.88 | \$10.40 | \$5.95 | \$0.00 | \$46.23 |
| | 12/01/2013 | \$30.68 | \$10.40 | \$5.95 | \$0.00 | \$47.03 |
| | 06/01/2014 | \$31.58 | \$10.40 | \$5.95 | \$0.00 | \$47.93 |
| | 12/01/2014 | \$32.48 | \$10.40 | \$5.95 | \$0.00 | \$48.83 |
| | 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 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$40.34 | \$10.00 | \$13.55 | \$0.00 | \$63.89 |
| | 12/01/2013 | \$41.12 | \$10.00 | \$13.55 | \$0.00 | \$64.67 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$40.34 | \$10.00 | \$13.55 | \$0.00 | \$63.89 |
| | 12/01/2013 | \$41.12 | \$10.00 | \$13.55 | \$0.00 | \$64.67 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 12/01/2013 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 06/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 12/01/2014 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 06/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 12/01/2015 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 06/01/2016 | \$38.30 | \$7.10 | \$12.45 | \$0.00 | \$57.85 |
| | 12/01/2016 | \$39.30 | \$7.10 | \$12.45 | \$0.00 | \$58.85 |
| 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 (WALTHAM)</i> | 08/01/2013 | \$48.06 | \$10.18 | \$18.15 | \$0.00 | \$76.39 |
| | 02/01/2014 | \$48.62 | \$10.18 | \$18.15 | \$0.00 | \$76.95 |
| | 08/01/2014 | \$49.52 | \$10.18 | \$18.22 | \$0.00 | \$77.92 |
| | 02/01/2015 | \$50.08 | \$10.18 | \$18.22 | \$0.00 | \$78.48 |
| | 08/01/2015 | \$50.98 | \$10.18 | \$18.29 | \$0.00 | \$79.45 |
| | 02/01/2016 | \$51.55 | \$10.18 | \$18.29 | \$0.00 | \$80.02 |
| | 08/01/2016 | \$52.45 | \$10.18 | \$18.37 | \$0.00 | \$81.00 |
| | 02/01/2017 | \$53.02 | \$10.18 | \$18.37 | \$0.00 | \$81.57 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 08/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$24.03 | \$10.18 | \$18.15 | \$0.00 | \$52.36 |
| 2 | 60 | \$28.84 | \$10.18 | \$18.15 | \$0.00 | \$57.17 |
| 3 | 70 | \$33.64 | \$10.18 | \$18.15 | \$0.00 | \$61.97 |
| 4 | 80 | \$38.45 | \$10.18 | \$18.15 | \$0.00 | \$66.78 |
| 5 | 90 | \$43.25 | \$10.18 | \$18.15 | \$0.00 | \$71.58 |

Effective Date - 02/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$24.31 | \$10.18 | \$18.15 | \$0.00 | \$52.64 |
| 2 | 60 | \$29.17 | \$10.18 | \$18.15 | \$0.00 | \$57.50 |
| 3 | 70 | \$34.03 | \$10.18 | \$18.15 | \$0.00 | \$62.36 |
| 4 | 80 | \$38.90 | \$10.18 | \$18.15 | \$0.00 | \$67.23 |
| 5 | 90 | \$43.76 | \$10.18 | \$18.15 | \$0.00 | \$72.09 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2013 | \$34.20 | \$7.10 | \$12.60 | \$0.00 | \$53.90 |
| | 12/01/2013 | \$34.95 | \$7.10 | \$12.60 | \$0.00 | \$54.65 |
| | 06/01/2014 | \$35.70 | \$7.10 | \$12.60 | \$0.00 | \$55.40 |
| | 12/01/2014 | \$36.45 | \$7.10 | \$12.60 | \$0.00 | \$56.15 |
| | 06/01/2015 | \$37.20 | \$7.10 | \$12.60 | \$0.00 | \$56.90 |
| | 12/01/2015 | \$37.95 | \$7.10 | \$12.60 | \$0.00 | \$57.65 |
| | 06/01/2016 | \$38.70 | \$7.10 | \$12.60 | \$0.00 | \$58.40 |
| | 12/01/2016 | \$39.70 | \$7.10 | \$12.60 | \$0.00 | \$59.40 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2013 | \$33.05 | \$7.10 | \$12.60 | \$0.00 | \$52.75 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.60 | \$0.00 | \$53.50 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.60 | \$0.00 | \$54.25 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.60 | \$0.00 | \$55.00 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.60 | \$0.00 | \$55.75 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.60 | \$0.00 | \$56.50 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.60 | \$0.00 | \$57.25 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.60 | \$0.00 | \$58.25 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|-----------------------|------------------|---------------|----------------|----------------------------------|-------------------|
| CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2013 | \$33.05 | \$7.10 | \$12.60 | \$0.00 | \$52.75 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.60 | \$0.00 | \$53.50 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.60 | \$0.00 | \$54.25 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.60 | \$0.00 | \$55.00 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.60 | \$0.00 | \$55.75 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.60 | \$0.00 | \$56.50 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.60 | \$0.00 | \$57.25 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.60 | \$0.00 | \$58.25 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i> | 09/01/2013 | \$34.53 | \$9.80 | \$15.61 | \$0.00 | \$59.94 |
| | 03/01/2014 | \$35.13 | \$9.80 | \$15.61 | \$0.00 | \$60.54 |
| | 09/01/2014 | \$35.90 | \$9.80 | \$15.61 | \$0.00 | \$61.31 |
| | 03/01/2015 | \$36.67 | \$9.80 | \$15.61 | \$0.00 | \$62.08 |

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 09/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$17.27 | \$9.80 | \$1.57 | \$0.00 | \$28.64 |
| 2 | 60 | \$20.72 | \$9.80 | \$1.57 | \$0.00 | \$32.09 |
| 3 | 70 | \$24.17 | \$9.80 | \$10.90 | \$0.00 | \$44.87 |
| 4 | 75 | \$25.90 | \$9.80 | \$10.90 | \$0.00 | \$46.60 |
| 5 | 80 | \$27.62 | \$9.80 | \$12.47 | \$0.00 | \$49.89 |
| 6 | 80 | \$27.62 | \$9.80 | \$12.47 | \$0.00 | \$49.89 |
| 7 | 90 | \$31.08 | \$9.80 | \$14.04 | \$0.00 | \$54.92 |
| 8 | 90 | \$31.08 | \$9.80 | \$14.04 | \$0.00 | \$54.92 |

Effective Date - 03/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$17.57 | \$9.80 | \$1.57 | \$0.00 | \$28.94 |
| 2 | 60 | \$21.08 | \$9.80 | \$1.57 | \$0.00 | \$32.45 |
| 3 | 70 | \$24.59 | \$9.80 | \$10.90 | \$0.00 | \$45.29 |
| 4 | 75 | \$26.35 | \$9.80 | \$10.90 | \$0.00 | \$47.05 |
| 5 | 80 | \$28.10 | \$9.80 | \$12.47 | \$0.00 | \$50.37 |
| 6 | 80 | \$28.10 | \$9.80 | \$12.47 | \$0.00 | \$50.37 |
| 7 | 90 | \$31.62 | \$9.80 | \$14.04 | \$0.00 | \$55.46 |
| 8 | 90 | \$31.62 | \$9.80 | \$14.04 | \$0.00 | \$55.46 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|-------------------------------|------------|---------|---------|---------|--------|---------|
| CEMENT MASONRY/PLASTERING | 07/01/2013 | \$42.68 | \$10.90 | \$18.71 | \$1.30 | \$73.59 |
| BRICKLAYERS LOCAL 3 (WALTHAM) | 01/01/2014 | \$43.60 | \$10.90 | \$18.71 | \$1.30 | \$74.51 |
| | 07/01/2014 | \$44.20 | \$10.90 | \$18.71 | \$1.30 | \$75.11 |
| | 01/01/2015 | \$45.14 | \$10.90 | \$18.71 | \$1.30 | \$76.05 |
| | 07/01/2015 | \$45.72 | \$10.90 | \$18.71 | \$1.30 | \$76.63 |
| | 01/01/2016 | \$46.64 | \$10.90 | \$18.71 | \$1.30 | \$77.55 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 07/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$21.34 | \$10.90 | \$12.21 | \$1.30 | \$45.75 |
| 2 | 60 | \$25.61 | \$10.90 | \$13.71 | \$1.30 | \$51.52 |
| 3 | 65 | \$27.74 | \$10.90 | \$14.71 | \$1.30 | \$54.65 |
| 4 | 70 | \$29.88 | \$10.90 | \$15.71 | \$1.30 | \$57.79 |
| 5 | 75 | \$32.01 | \$10.90 | \$16.71 | \$1.30 | \$60.92 |
| 6 | 80 | \$34.14 | \$10.90 | \$17.71 | \$1.30 | \$64.05 |
| 7 | 90 | \$38.41 | \$10.90 | \$18.71 | \$1.30 | \$69.32 |

Effective Date - 01/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$21.80 | \$10.90 | \$12.21 | \$1.30 | \$46.21 |
| 2 | 60 | \$26.16 | \$10.90 | \$13.71 | \$1.30 | \$52.07 |
| 3 | 65 | \$28.34 | \$10.90 | \$14.71 | \$1.30 | \$55.25 |
| 4 | 70 | \$30.52 | \$10.90 | \$15.71 | \$1.30 | \$58.43 |
| 5 | 75 | \$32.70 | \$10.90 | \$16.71 | \$1.30 | \$61.61 |
| 6 | 80 | \$34.88 | \$10.90 | \$17.71 | \$1.30 | \$64.79 |
| 7 | 90 | \$39.24 | \$10.90 | \$18.71 | \$1.30 | \$70.15 |

Notes:

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

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|--------------------|------------|---------|--------|---------|--------|---------|
| CHAIN SAW OPERATOR | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| LABORERS - ZONE 1 | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES | 06/01/2013 | \$41.34 | \$10.00 | \$13.55 | \$0.00 | \$64.89 |
| OPERATING ENGINEERS LOCAL 4 | 12/01/2013 | \$42.12 | \$10.00 | \$13.55 | \$0.00 | \$65.67 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|-----------------------------|------------|---------|---------|---------|--------|---------|
| COMPRESSOR OPERATOR | 06/01/2013 | \$28.19 | \$10.00 | \$13.55 | \$0.00 | \$51.74 |
| OPERATING ENGINEERS LOCAL 4 | 12/01/2013 | \$28.74 | \$10.00 | \$13.55 | \$0.00 | \$52.29 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|----------------------------|------------|---------|--------|---------|--------|---------|
| DELEADER (BRIDGE) | 01/01/2013 | \$45.01 | \$7.80 | \$15.60 | \$0.00 | \$68.41 |
| PAINTERS LOCAL 35 - ZONE 2 | | | | | | |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$22.51 | \$7.80 | \$0.00 | \$0.00 | \$30.31 |
| 2 | 55 | \$24.76 | \$7.80 | \$3.52 | \$0.00 | \$36.08 |
| 3 | 60 | \$27.01 | \$7.80 | \$3.84 | \$0.00 | \$38.65 |
| 4 | 65 | \$29.26 | \$7.80 | \$4.16 | \$0.00 | \$41.22 |
| 5 | 70 | \$31.51 | \$7.80 | \$13.68 | \$0.00 | \$52.99 |
| 6 | 75 | \$33.76 | \$7.80 | \$14.00 | \$0.00 | \$55.56 |
| 7 | 80 | \$36.01 | \$7.80 | \$14.32 | \$0.00 | \$58.13 |
| 8 | 90 | \$40.51 | \$7.80 | \$14.96 | \$0.00 | \$63.27 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| DEMO: ADZEMAN <i>LABORERS - ZONE 1</i> | 12/01/2011 | \$31.80 | \$7.10 | \$12.45 | \$0.00 | \$51.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: BACKHOE/LOADER/HAMMER OPERATOR <i>LABORERS - ZONE 1</i> | 12/01/2011 | \$32.80 | \$7.10 | \$12.45 | \$0.00 | \$52.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: BURNERS <i>LABORERS - ZONE 1</i> | 12/01/2011 | \$32.55 | \$7.10 | \$12.45 | \$0.00 | \$52.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 1</i> | 12/01/2011 | \$32.80 | \$7.10 | \$12.45 | \$0.00 | \$52.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 1</i> | 12/01/2011 | \$32.55 | \$7.10 | \$12.45 | \$0.00 | \$52.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: WRECKING LABORER <i>LABORERS - ZONE 1</i> | 12/01/2011 | \$31.80 | \$7.10 | \$12.45 | \$0.00 | \$51.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| DIVER <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2013 | \$56.14 | \$9.80 | \$18.17 | \$0.00 | \$84.11 |
| | 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> | 08/01/2013 | \$40.10 | \$9.80 | \$18.17 | \$0.00 | \$68.07 |
| | 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> | 08/01/2013 | \$60.15 | \$9.80 | \$18.17 | \$0.00 | \$88.12 |
| | 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 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|-----------------------|------------------|---------------|----------------|----------------------------------|-------------------|
| DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2013 | \$84.21 | \$9.80 | \$18.17 | \$0.00 | \$112.18 |
| | 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> | 09/01/2013 | \$43.96 | \$13.00 | \$14.42 | \$0.00 | \$71.38 |
| | 03/01/2014 | \$44.45 | \$13.00 | \$14.68 | \$0.00 | \$72.13 |
| | 09/01/2014 | \$45.12 | \$13.00 | \$14.70 | \$0.00 | \$72.82 |
| | 03/01/2015 | \$45.84 | \$13.00 | \$14.72 | \$0.00 | \$73.56 |
| | 09/01/2015 | \$46.80 | \$13.00 | \$14.75 | \$0.00 | \$74.55 |
| | 03/01/2016 | \$47.75 | \$13.00 | \$14.78 | \$0.00 | \$75.53 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |
| ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i> | 09/01/2013 | \$43.96 | \$13.00 | \$14.42 | \$0.00 | \$71.38 |
| | 03/01/2014 | \$44.45 | \$13.00 | \$14.68 | \$0.00 | \$72.13 |
| | 09/01/2014 | \$45.12 | \$13.00 | \$14.70 | \$0.00 | \$72.82 |
| | 03/01/2015 | \$45.84 | \$13.00 | \$14.72 | \$0.00 | \$73.56 |
| | 09/01/2015 | \$46.80 | \$13.00 | \$14.75 | \$0.00 | \$74.55 |
| | 03/01/2016 | \$47.75 | \$13.00 | \$14.78 | \$0.00 | \$75.53 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELECTRICIAN - Local 103

Effective Date - 09/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$17.58 | \$13.00 | \$0.53 | \$0.00 | \$31.11 |
| 2 | 40 | \$17.58 | \$13.00 | \$0.53 | \$0.00 | \$31.11 |
| 3 | 45 | \$19.78 | \$13.00 | \$10.78 | \$0.00 | \$43.56 |
| 4 | 45 | \$19.78 | \$13.00 | \$10.78 | \$0.00 | \$43.56 |
| 5 | 50 | \$21.98 | \$13.00 | \$11.11 | \$0.00 | \$46.09 |
| 6 | 55 | \$24.18 | \$13.00 | \$11.45 | \$0.00 | \$48.63 |
| 7 | 60 | \$26.38 | \$13.00 | \$11.77 | \$0.00 | \$51.15 |
| 8 | 65 | \$28.57 | \$13.00 | \$12.11 | \$0.00 | \$53.68 |
| 9 | 70 | \$30.77 | \$13.00 | \$12.43 | \$0.00 | \$56.20 |
| 10 | 75 | \$32.97 | \$13.00 | \$12.77 | \$0.00 | \$58.74 |

Effective Date - 03/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$17.78 | \$13.00 | \$0.53 | \$0.00 | \$31.31 |
| 2 | 40 | \$17.78 | \$13.00 | \$0.53 | \$0.00 | \$31.31 |
| 3 | 45 | \$20.00 | \$13.00 | \$11.04 | \$0.00 | \$44.04 |
| 4 | 45 | \$20.00 | \$13.00 | \$11.04 | \$0.00 | \$44.04 |
| 5 | 50 | \$22.23 | \$13.00 | \$11.37 | \$0.00 | \$46.60 |
| 6 | 55 | \$24.45 | \$13.00 | \$11.70 | \$0.00 | \$49.15 |
| 7 | 60 | \$26.67 | \$13.00 | \$12.03 | \$0.00 | \$51.70 |
| 8 | 65 | \$28.89 | \$13.00 | \$12.37 | \$0.00 | \$54.26 |
| 9 | 70 | \$31.12 | \$13.00 | \$12.69 | \$0.00 | \$56.81 |
| 10 | 75 | \$33.34 | \$13.00 | \$13.03 | \$0.00 | \$59.37 |

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

Apprentice to Journeyworker Ratio:2:3***

| | | | | | | |
|---|------------|---------|--------|--------|--------|---------|
| ELEVATOR CONSTRUCTOR ELEVATOR CONSTRUCTORS LOCAL 4 | 01/01/2012 | \$52.45 | \$8.78 | \$6.96 | \$0.00 | \$68.19 |
|---|------------|---------|--------|--------|--------|---------|

Apprentice - ELEVATOR CONSTRUCTOR - Local 4

Effective Date - 01/01/2012

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$26.23 | \$8.78 | \$0.00 | \$0.00 | \$35.01 |
| 2 | 55 | \$28.85 | \$8.78 | \$6.96 | \$0.00 | \$44.59 |
| 3 | 65 | \$34.09 | \$8.78 | \$6.96 | \$0.00 | \$49.83 |
| 4 | 70 | \$36.72 | \$8.78 | \$6.96 | \$0.00 | \$52.46 |
| 5 | 80 | \$41.96 | \$8.78 | \$6.96 | \$0.00 | \$57.70 |

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> | 01/01/2012 | \$38.59 | \$8.78 | \$6.96 | \$0.00 | \$54.33 |
|---|------------|---------|--------|--------|--------|---------|

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| FENCE & GUARD RAIL ERECTOR <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 05/01/2013 | \$38.50 | \$10.00 | \$13.02 | \$0.00 | \$61.52 |
| | 11/01/2013 | \$39.26 | \$10.00 | \$13.02 | \$0.00 | \$62.28 |
| | 05/01/2014 | \$40.03 | \$10.00 | \$13.02 | \$0.00 | \$63.05 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 05/01/2013 | \$39.91 | \$10.00 | \$13.02 | \$0.00 | \$62.93 |
| | 11/01/2013 | \$40.68 | \$10.00 | \$13.02 | \$0.00 | \$63.70 |
| | 05/01/2014 | \$41.45 | \$10.00 | \$13.02 | \$0.00 | \$64.47 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 05/01/2013 | \$21.17 | \$10.00 | \$13.02 | \$0.00 | \$44.19 |
| | 11/01/2013 | \$21.63 | \$10.00 | \$13.02 | \$0.00 | \$44.65 |
| | 05/01/2014 | \$22.08 | \$10.00 | \$13.02 | \$0.00 | \$45.10 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 103</i> | 09/01/2013 | \$43.96 | \$13.00 | \$14.42 | \$0.00 | \$71.38 |
| | 03/01/2014 | \$44.45 | \$13.00 | \$14.68 | \$0.00 | \$72.13 |
| | 09/01/2014 | \$45.12 | \$13.00 | \$14.70 | \$0.00 | \$72.82 |
| | 03/01/2015 | \$45.84 | \$13.00 | \$14.72 | \$0.00 | \$73.56 |
| | 09/01/2015 | \$46.80 | \$13.00 | \$14.75 | \$0.00 | \$74.55 |
| | 03/01/2016 | \$47.75 | \$13.00 | \$14.78 | \$0.00 | \$75.53 |

For apprentice rates see "Apprentice- ELECTRICIAN"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|-----------------------|------------------|---------------|----------------|--------------------------------------|-------------------|
| FIRE ALARM REPAIR / MAINTENANCE | 09/01/2013 | \$32.97 | \$13.00 | \$12.77 | \$0.00 | \$58.74 |
| LOCAL 103 / COMMISSIONING <i>ELECTRICIANS</i> | 03/01/2014 | \$33.44 | \$13.00 | \$13.03 | \$0.00 | \$59.47 |
| | 09/01/2014 | \$33.84 | \$13.00 | \$13.05 | \$0.00 | \$59.89 |
| | 03/01/2015 | \$34.38 | \$13.00 | \$13.06 | \$0.00 | \$60.44 |
| | 09/01/2015 | \$35.10 | \$13.00 | \$13.08 | \$0.00 | \$61.18 |
| | 03/01/2016 | \$35.81 | \$13.00 | \$13.10 | \$0.00 | \$61.91 |
| For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN" | | | | | | |
| FIREMAN (ASST. ENGINEER) | 06/01/2013 | \$33.73 | \$10.00 | \$13.55 | \$0.00 | \$57.28 |
| OPERATING ENGINEERS LOCAL 4 | 12/01/2013 | \$34.39 | \$10.00 | \$13.55 | \$0.00 | \$57.94 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FLAGGER & SIGNALER | 06/01/2013 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| LABORERS - ZONE 1 | 12/01/2013 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| | 06/01/2014 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| | 12/01/2014 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| | 06/01/2015 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| | 12/01/2015 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| | 06/01/2016 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| | 12/01/2016 | \$20.50 | \$7.10 | \$12.45 | \$0.00 | \$40.05 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| FLOORCOVERER | 09/01/2013 | \$38.61 | \$9.80 | \$16.71 | \$0.00 | \$65.12 |
| FLOORCOVERERS LOCAL 2168 ZONE 1 | 03/01/2014 | \$38.61 | \$9.80 | \$16.71 | \$0.00 | \$65.12 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - FLOORCOVERER - Local 2168 Zone I

Effective Date - 09/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$19.31 | \$9.80 | \$1.79 | \$0.00 | \$30.90 |
| 2 | 55 | \$21.24 | \$9.80 | \$1.79 | \$0.00 | \$32.83 |
| 3 | 60 | \$23.17 | \$9.80 | \$11.34 | \$0.00 | \$44.31 |
| 4 | 65 | \$25.10 | \$9.80 | \$11.34 | \$0.00 | \$46.24 |
| 5 | 70 | \$27.03 | \$9.80 | \$13.13 | \$0.00 | \$49.96 |
| 6 | 75 | \$28.96 | \$9.80 | \$13.13 | \$0.00 | \$51.89 |
| 7 | 80 | \$30.89 | \$9.80 | \$14.92 | \$0.00 | \$55.61 |
| 8 | 85 | \$32.82 | \$9.80 | \$14.92 | \$0.00 | \$57.54 |

Effective Date - 03/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$19.31 | \$9.80 | \$1.79 | \$0.00 | \$30.90 |
| 2 | 55 | \$21.24 | \$9.80 | \$1.79 | \$0.00 | \$32.83 |
| 3 | 60 | \$23.17 | \$9.80 | \$11.34 | \$0.00 | \$44.31 |
| 4 | 65 | \$25.10 | \$9.80 | \$11.34 | \$0.00 | \$46.24 |
| 5 | 70 | \$27.03 | \$9.80 | \$13.13 | \$0.00 | \$49.96 |
| 6 | 75 | \$28.96 | \$9.80 | \$13.13 | \$0.00 | \$51.89 |
| 7 | 80 | \$30.89 | \$9.80 | \$14.92 | \$0.00 | \$55.61 |
| 8 | 85 | \$32.82 | \$9.80 | \$14.92 | \$0.00 | \$57.54 |

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$40.34 | \$10.00 | \$13.55 | \$0.00 | \$63.89 |
| | 12/01/2013 | \$41.12 | \$10.00 | \$13.55 | \$0.00 | \$64.67 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$28.19 | \$10.00 | \$13.55 | \$0.00 | \$51.74 |
| | 12/01/2013 | \$28.74 | \$10.00 | \$13.55 | \$0.00 | \$52.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 35 (ZONE 2)</i> | 01/01/2013 | \$35.51 | \$7.80 | \$14.60 | \$0.00 | \$57.91 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - GLAZIER - Local 35 Zone 2

Effective Date - 01/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$17.76 | \$7.80 | \$0.00 | \$0.00 | \$25.56 |
| 2 | 55 | \$19.53 | \$7.80 | \$3.25 | \$0.00 | \$30.58 |
| 3 | 60 | \$21.31 | \$7.80 | \$3.54 | \$0.00 | \$32.65 |
| 4 | 65 | \$23.08 | \$7.80 | \$3.84 | \$0.00 | \$34.72 |
| 5 | 70 | \$24.86 | \$7.80 | \$12.83 | \$0.00 | \$45.49 |
| 6 | 75 | \$26.63 | \$7.80 | \$13.13 | \$0.00 | \$47.56 |
| 7 | 80 | \$28.41 | \$7.80 | \$13.42 | \$0.00 | \$49.63 |
| 8 | 90 | \$31.96 | \$7.80 | \$14.01 | \$0.00 | \$53.77 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|-----------------------------------|------------|---------|---------|---------|--------|---------|
| HOISTING ENGINEER/CRANES/GRADALLS | 06/01/2013 | \$40.34 | \$10.00 | \$13.55 | \$0.00 | \$63.89 |
| OPERATING ENGINEERS LOCAL 4 | 12/01/2013 | \$41.12 | \$10.00 | \$13.55 | \$0.00 | \$64.67 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 06/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$22.19 | \$10.00 | \$0.00 | \$0.00 | \$32.19 |
| 2 | 60 | \$24.20 | \$10.00 | \$13.55 | \$0.00 | \$47.75 |
| 3 | 65 | \$26.22 | \$10.00 | \$13.55 | \$0.00 | \$49.77 |
| 4 | 70 | \$28.24 | \$10.00 | \$13.55 | \$0.00 | \$51.79 |
| 5 | 75 | \$30.26 | \$10.00 | \$13.55 | \$0.00 | \$53.81 |
| 6 | 80 | \$32.27 | \$10.00 | \$13.55 | \$0.00 | \$55.82 |
| 7 | 85 | \$34.29 | \$10.00 | \$13.55 | \$0.00 | \$57.84 |
| 8 | 90 | \$36.31 | \$10.00 | \$13.55 | \$0.00 | \$59.86 |

Effective Date - 12/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$22.62 | \$10.00 | \$0.00 | \$0.00 | \$32.62 |
| 2 | 60 | \$24.67 | \$10.00 | \$13.55 | \$0.00 | \$48.22 |
| 3 | 65 | \$26.73 | \$10.00 | \$13.55 | \$0.00 | \$50.28 |
| 4 | 70 | \$28.78 | \$10.00 | \$13.55 | \$0.00 | \$52.33 |
| 5 | 75 | \$30.84 | \$10.00 | \$13.55 | \$0.00 | \$54.39 |
| 6 | 80 | \$32.90 | \$10.00 | \$13.55 | \$0.00 | \$56.45 |
| 7 | 85 | \$34.95 | \$10.00 | \$13.55 | \$0.00 | \$58.50 |
| 8 | 90 | \$37.01 | \$10.00 | \$13.55 | \$0.00 | \$60.56 |

Notes:

Apprentice to Journeyworker Ratio:1:6

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 17 - A | 09/01/2013 | \$42.35 | \$9.82 | \$19.08 | \$2.14 | \$73.39 |
| | 02/01/2014 | \$43.20 | \$9.82 | \$19.08 | \$2.14 | \$74.24 |
| | 08/01/2014 | \$44.05 | \$9.82 | \$19.08 | \$2.14 | \$75.09 |
| | 02/01/2015 | \$44.95 | \$9.82 | \$19.08 | \$2.14 | \$75.99 |
| | 08/01/2015 | \$45.95 | \$9.82 | \$19.08 | \$2.14 | \$76.99 |
| | 02/01/2016 | \$46.95 | \$9.82 | \$19.08 | \$2.14 | \$77.99 |
| | 08/01/2016 | \$48.10 | \$9.82 | \$19.08 | \$2.14 | \$79.14 |
| | 02/01/2017 | \$49.20 | \$9.82 | \$19.08 | \$2.14 | \$80.24 |
| | 08/01/2017 | \$50.30 | \$9.82 | \$19.08 | \$2.14 | \$81.34 |
| | 02/01/2018 | \$51.45 | \$9.82 | \$19.08 | \$2.14 | \$82.49 |

For apprentice rates see "Apprentice- SHEET METAL WORKER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 103 | 09/01/2013 | \$43.96 | \$13.00 | \$14.42 | \$0.00 | \$71.38 |
| | 03/01/2014 | \$44.45 | \$13.00 | \$14.68 | \$0.00 | \$72.13 |
| | 09/01/2014 | \$45.12 | \$13.00 | \$14.70 | \$0.00 | \$72.82 |
| | 03/01/2015 | \$45.84 | \$13.00 | \$14.72 | \$0.00 | \$73.56 |
| | 09/01/2015 | \$46.80 | \$13.00 | \$14.75 | \$0.00 | \$74.55 |
| | 03/01/2016 | \$47.75 | \$13.00 | \$14.78 | \$0.00 | \$75.53 |

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> | 09/01/2013 | \$42.35 | \$9.82 | \$19.08 | \$2.14 | \$73.39 |
| | 02/01/2014 | \$43.20 | \$9.82 | \$19.08 | \$2.14 | \$74.24 |
| | 08/01/2014 | \$44.05 | \$9.82 | \$19.08 | \$2.14 | \$75.09 |
| | 02/01/2015 | \$44.95 | \$9.82 | \$19.08 | \$2.14 | \$75.99 |
| | 08/01/2015 | \$45.95 | \$9.82 | \$19.08 | \$2.14 | \$76.99 |
| | 02/01/2016 | \$46.95 | \$9.82 | \$19.08 | \$2.14 | \$77.99 |
| | 08/01/2016 | \$48.10 | \$9.82 | \$19.08 | \$2.14 | \$79.14 |
| | 02/01/2017 | \$49.20 | \$9.82 | \$19.08 | \$2.14 | \$80.24 |
| | 08/01/2017 | \$50.30 | \$9.82 | \$19.08 | \$2.14 | \$81.34 |
| | 02/01/2018 | \$51.45 | \$9.82 | \$19.08 | \$2.14 | \$82.49 |
| For apprentice rates see "Apprentice- SHEET METAL WORKER" | | | | | | |
| HVAC (TESTING AND BALANCING -WATER) <i>PIPEFITTERS LOCAL 537</i> | 03/01/2013 | \$49.34 | \$8.75 | \$14.39 | \$0.00 | \$72.48 |
| For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER" | | | | | | |
| HVAC MECHANIC <i>PIPEFITTERS LOCAL 537</i> | 03/01/2013 | \$49.34 | \$8.75 | \$14.39 | \$0.00 | \$72.48 |
| For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER" | | | | | | |
| HYDRAULIC DRILLS <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 12/01/2013 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 06/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 12/01/2014 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 06/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 12/01/2015 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 06/01/2016 | \$38.30 | \$7.10 | \$12.45 | \$0.00 | \$57.85 |
| | 12/01/2016 | \$39.30 | \$7.10 | \$12.45 | \$0.00 | \$58.85 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (BOSTON)</i> | 09/01/2013 | \$42.11 | \$10.95 | \$12.10 | \$0.00 | \$65.16 |
| | 09/01/2014 | \$44.11 | \$10.95 | \$12.10 | \$0.00 | \$67.16 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 09/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$21.06 | \$10.95 | \$9.00 | \$0.00 | \$41.01 |
| 2 | 60 | \$25.27 | \$10.95 | \$9.62 | \$0.00 | \$45.84 |
| 3 | 70 | \$29.48 | \$10.95 | \$10.24 | \$0.00 | \$50.67 |
| 4 | 80 | \$33.69 | \$10.95 | \$10.86 | \$0.00 | \$55.50 |

Effective Date - 09/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$22.06 | \$10.95 | \$9.00 | \$0.00 | \$42.01 |
| 2 | 60 | \$26.47 | \$10.95 | \$9.62 | \$0.00 | \$47.04 |
| 3 | 70 | \$30.88 | \$10.95 | \$10.24 | \$0.00 | \$52.07 |
| 4 | 80 | \$35.29 | \$10.95 | \$10.86 | \$0.00 | \$57.10 |

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (BOSTON AREA)</i> | 09/16/2013 | \$40.85 | \$7.70 | \$18.60 | \$0.00 | \$67.15 |
|--|------------|---------|--------|---------|--------|---------|

Apprentice - IRONWORKER - Local 7 Boston

Effective Date - 09/16/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$24.51 | \$7.70 | \$18.60 | \$0.00 | \$50.81 |
| 2 | 70 | \$28.60 | \$7.70 | \$18.60 | \$0.00 | \$54.90 |
| 3 | 75 | \$30.64 | \$7.70 | \$18.60 | \$0.00 | \$56.94 |
| 4 | 80 | \$32.68 | \$7.70 | \$18.60 | \$0.00 | \$58.98 |
| 5 | 85 | \$34.72 | \$7.70 | \$18.60 | \$0.00 | \$61.02 |
| 6 | 90 | \$36.77 | \$7.70 | \$18.60 | \$0.00 | \$63.07 |

Notes:

** Structural 1:6; Ornamental 1:4

Apprentice to Journeyworker Ratio:**

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| JACKHAMMER & PAVING BREAKER OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------------------------------|----------------|-----------|--------|---------|---------------------------|------------|
| LABORER LABORERS - ZONE 1 | 06/01/2013 | \$33.05 | \$7.10 | \$12.45 | \$0.00 | \$52.60 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.45 | \$0.00 | \$58.10 |

Apprentice - LABORER - Zone 1

Effective Date - 06/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$19.83 | \$7.10 | \$12.45 | \$0.00 | \$39.38 |
| 2 | 70 | \$23.14 | \$7.10 | \$12.45 | \$0.00 | \$42.69 |
| 3 | 80 | \$26.44 | \$7.10 | \$12.45 | \$0.00 | \$45.99 |
| 4 | 90 | \$29.75 | \$7.10 | \$12.45 | \$0.00 | \$49.30 |

Effective Date - 12/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$20.28 | \$7.10 | \$12.45 | \$0.00 | \$39.83 |
| 2 | 70 | \$23.66 | \$7.10 | \$12.45 | \$0.00 | \$43.21 |
| 3 | 80 | \$27.04 | \$7.10 | \$12.45 | \$0.00 | \$46.59 |
| 4 | 90 | \$30.42 | \$7.10 | \$12.45 | \$0.00 | \$49.97 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| LABORER: CARPENTER TENDER LABORERS - ZONE 1 | 06/01/2013 | \$33.05 | \$7.10 | \$12.45 | \$0.00 | \$52.60 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.45 | \$0.00 | \$58.10 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| LABORER: CEMENT FINISHER TENDER LABORERS - ZONE 1 | 06/01/2013 | \$33.05 | \$7.10 | \$12.45 | \$0.00 | \$52.60 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.45 | \$0.00 | \$58.10 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|--------|---------|---------------------------|------------|
| LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 1</i> | 12/01/2011 | \$31.80 | \$7.10 | \$12.45 | \$0.00 | \$51.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MASON TENDER <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.05 | \$7.10 | \$12.45 | \$0.00 | \$52.60 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.45 | \$0.00 | \$58.10 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: TREE REMOVER <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.05 | \$7.10 | \$12.45 | \$0.00 | \$52.60 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.45 | \$0.00 | \$58.10 |
| This classification applies to the wholesale removal of standing trees including all associated trimming of branches and limbs, and applies to the removal of branches at locations not on or around utility lines. For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LASER BEAM OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | 08/01/2013 | \$36.66 | \$10.18 | \$16.83 | \$0.00 | \$63.67 |
| | 02/01/2014 | \$37.11 | \$10.18 | \$16.83 | \$0.00 | \$64.12 |
| | 08/01/2014 | \$37.82 | \$10.18 | \$16.90 | \$0.00 | \$64.90 |
| | 02/01/2015 | \$38.27 | \$10.18 | \$16.90 | \$0.00 | \$65.35 |
| | 08/01/2015 | \$38.98 | \$10.18 | \$16.97 | \$0.00 | \$66.13 |
| | 02/01/2016 | \$39.43 | \$10.18 | \$16.97 | \$0.00 | \$66.58 |
| | 08/01/2016 | \$40.13 | \$10.18 | \$17.05 | \$0.00 | \$67.36 |
| | 02/01/2017 | \$40.59 | \$10.18 | \$17.05 | \$0.00 | \$67.82 |

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

Effective Date - 08/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$18.33 | \$10.18 | \$16.83 | \$0.00 | \$45.34 |
| 2 | 60 | \$22.00 | \$10.18 | \$16.83 | \$0.00 | \$49.01 |
| 3 | 70 | \$25.66 | \$10.18 | \$16.83 | \$0.00 | \$52.67 |
| 4 | 80 | \$29.33 | \$10.18 | \$16.83 | \$0.00 | \$56.34 |
| 5 | 90 | \$32.99 | \$10.18 | \$16.83 | \$0.00 | \$60.00 |

Effective Date - 02/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$18.56 | \$10.18 | \$16.83 | \$0.00 | \$45.57 |
| 2 | 60 | \$22.27 | \$10.18 | \$16.83 | \$0.00 | \$49.28 |
| 3 | 70 | \$25.98 | \$10.18 | \$16.83 | \$0.00 | \$52.99 |
| 4 | 80 | \$29.69 | \$10.18 | \$16.83 | \$0.00 | \$56.70 |
| 5 | 90 | \$33.40 | \$10.18 | \$16.83 | \$0.00 | \$60.41 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| MARBLE MASONS, TILELAYERS & TERRAZZO MECH <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | 08/01/2013 | \$48.10 | \$10.18 | \$18.15 | \$0.00 | \$76.43 |
| | 02/01/2014 | \$48.66 | \$10.18 | \$18.15 | \$0.00 | \$76.99 |
| | 08/01/2014 | \$49.56 | \$10.18 | \$18.22 | \$0.00 | \$77.96 |
| | 02/01/2015 | \$50.12 | \$10.18 | \$18.22 | \$0.00 | \$78.52 |
| | 08/01/2015 | \$51.02 | \$10.18 | \$18.29 | \$0.00 | \$79.49 |
| | 02/01/2016 | \$51.59 | \$10.18 | \$18.29 | \$0.00 | \$80.06 |
| | 08/01/2016 | \$52.49 | \$10.18 | \$18.37 | \$0.00 | \$81.04 |
| | 02/01/2017 | \$53.06 | \$10.18 | \$18.37 | \$0.00 | \$81.61 |

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

Effective Date - 08/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$24.05 | \$10.18 | \$18.15 | \$0.00 | \$52.38 |
| 2 | 60 | \$28.86 | \$10.18 | \$18.15 | \$0.00 | \$57.19 |
| 3 | 70 | \$33.67 | \$10.18 | \$18.15 | \$0.00 | \$62.00 |
| 4 | 80 | \$38.48 | \$10.18 | \$18.15 | \$0.00 | \$66.81 |
| 5 | 90 | \$43.29 | \$10.18 | \$18.15 | \$0.00 | \$71.62 |

Effective Date - 02/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$24.33 | \$10.18 | \$18.15 | \$0.00 | \$52.66 |
| 2 | 60 | \$29.20 | \$10.18 | \$18.15 | \$0.00 | \$57.53 |
| 3 | 70 | \$34.06 | \$10.18 | \$18.15 | \$0.00 | \$62.39 |
| 4 | 80 | \$38.93 | \$10.18 | \$18.15 | \$0.00 | \$67.26 |
| 5 | 90 | \$43.79 | \$10.18 | \$18.15 | \$0.00 | \$72.12 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| MILLWRIGHT (Zone 1) <i>MILLWRIGHTS LOCAL 1121 - Zone 1</i> | 04/01/2013 | \$34.68 | \$9.80 | \$15.76 | \$0.00 | \$60.24 |
| | 10/01/2013 | \$35.45 | \$9.80 | \$15.76 | \$0.00 | \$61.01 |
| | 04/01/2014 | \$36.23 | \$9.80 | \$15.76 | \$0.00 | \$61.79 |
| | 10/01/2014 | \$37.18 | \$9.80 | \$15.76 | \$0.00 | \$62.74 |
| | 04/01/2015 | \$38.14 | \$9.80 | \$15.76 | \$0.00 | \$63.70 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MILLWRIGHT - Local 1121 Zone 1

Effective Date - 04/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 55 | \$19.07 | \$9.80 | \$4.32 | \$0.00 | \$33.19 |
| 2 | 65 | \$22.54 | \$9.80 | \$13.01 | \$0.00 | \$45.35 |
| 3 | 75 | \$26.01 | \$9.80 | \$13.80 | \$0.00 | \$49.61 |
| 4 | 85 | \$29.48 | \$9.80 | \$14.58 | \$0.00 | \$53.86 |

Effective Date - 10/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 55 | \$19.50 | \$9.80 | \$4.32 | \$0.00 | \$33.62 |
| 2 | 65 | \$23.04 | \$9.80 | \$13.01 | \$0.00 | \$45.85 |
| 3 | 75 | \$26.59 | \$9.80 | \$13.80 | \$0.00 | \$50.19 |
| 4 | 85 | \$30.13 | \$9.80 | \$14.58 | \$0.00 | \$54.51 |

Notes:

Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|-----------------------------------|------------|---------|--------|---------|--------|---------|
| MORTAR MIXER LABORERS - ZONE 1 | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
|-----------------------------------|------------|---------|--------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
|--|------------|---------|--------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
|--|------------|---------|--------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
|--|------------|---------|--------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
|--|------------|---------|--------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
|--|------------|---------|--------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
|--|------------|---------|--------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |
|--|------------|---------|--------|---------|--------|---------|

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| OILER (OTHER THAN TRUCK CRANES,GRADALLS) OPERATING ENGINEERS LOCAL 4 | 06/01/2013 | \$21.17 | \$10.00 | \$13.55 | \$0.00 | \$44.72 |
|---|------------|---------|---------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| | 12/01/2013 | \$21.59 | \$10.00 | \$13.55 | \$0.00 | \$45.14 |
|--|------------|---------|---------|---------|--------|---------|

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| OILER (TRUCK CRANES, GRADALLS) OPERATING ENGINEERS LOCAL 4 | 06/01/2013 | \$24.57 | \$10.00 | \$13.55 | \$0.00 | \$48.12 |
|---|------------|---------|---------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| | 12/01/2013 | \$25.06 | \$10.00 | \$13.55 | \$0.00 | \$48.61 |
|--|------------|---------|---------|---------|--------|---------|

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| OTHER POWER DRIVEN EQUIPMENT - CLASS II OPERATING ENGINEERS LOCAL 4 | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
|--|------------|---------|---------|---------|--------|---------|

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
|--|------------|---------|---------|---------|--------|---------|

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PAINTER (BRIDGES/TANKS) PAINTERS LOCAL 35 - ZONE 2 | 01/01/2013 | \$45.01 | \$7.80 | \$15.60 | \$0.00 | \$68.41 |
|---|------------|---------|--------|---------|--------|---------|

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$22.51 | \$7.80 | \$0.00 | \$0.00 | \$30.31 |
| 2 | 55 | \$24.76 | \$7.80 | \$3.52 | \$0.00 | \$36.08 |
| 3 | 60 | \$27.01 | \$7.80 | \$3.84 | \$0.00 | \$38.65 |
| 4 | 65 | \$29.26 | \$7.80 | \$4.16 | \$0.00 | \$41.22 |
| 5 | 70 | \$31.51 | \$7.80 | \$13.68 | \$0.00 | \$52.99 |
| 6 | 75 | \$33.76 | \$7.80 | \$14.00 | \$0.00 | \$55.56 |
| 7 | 80 | \$36.01 | \$7.80 | \$14.32 | \$0.00 | \$58.13 |
| 8 | 90 | \$40.51 | \$7.80 | \$14.96 | \$0.00 | \$63.27 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|-------------------------------------|------------|---------|--------|---------|--------|---------|
| PAINTER (SPRAY OR SANDBLAST, NEW) * | 01/01/2013 | \$35.91 | \$7.80 | \$15.60 | \$0.00 | \$59.31 |
|-------------------------------------|------------|---------|--------|---------|--------|---------|

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2

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

Effective Date - 01/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$17.96 | \$7.80 | \$0.00 | \$0.00 | \$25.76 |
| 2 | 55 | \$19.75 | \$7.80 | \$3.52 | \$0.00 | \$31.07 |
| 3 | 60 | \$21.55 | \$7.80 | \$3.84 | \$0.00 | \$33.19 |
| 4 | 65 | \$23.34 | \$7.80 | \$4.16 | \$0.00 | \$35.30 |
| 5 | 70 | \$25.14 | \$7.80 | \$13.68 | \$0.00 | \$46.62 |
| 6 | 75 | \$26.93 | \$7.80 | \$14.00 | \$0.00 | \$48.73 |
| 7 | 80 | \$28.73 | \$7.80 | \$14.32 | \$0.00 | \$50.85 |
| 8 | 90 | \$32.32 | \$7.80 | \$14.96 | \$0.00 | \$55.08 |

Notes:

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---------------------------------------|------------|---------|--------|---------|--------|---------|
| PAINTER (SPRAY OR SANDBLAST, REPAINT) | 01/01/2013 | \$33.97 | \$7.80 | \$15.60 | \$0.00 | \$57.37 |
|---------------------------------------|------------|---------|--------|---------|--------|---------|

PAINTERS LOCAL 35 - ZONE 2

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

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

Effective Date - 01/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$16.99 | \$7.80 | \$0.00 | \$0.00 | \$24.79 |
| 2 | 55 | \$18.68 | \$7.80 | \$3.52 | \$0.00 | \$30.00 |
| 3 | 60 | \$20.38 | \$7.80 | \$3.84 | \$0.00 | \$32.02 |
| 4 | 65 | \$22.08 | \$7.80 | \$4.16 | \$0.00 | \$34.04 |
| 5 | 70 | \$23.78 | \$7.80 | \$13.68 | \$0.00 | \$45.26 |
| 6 | 75 | \$25.48 | \$7.80 | \$14.00 | \$0.00 | \$47.28 |
| 7 | 80 | \$27.18 | \$7.80 | \$14.32 | \$0.00 | \$49.30 |
| 8 | 90 | \$30.57 | \$7.80 | \$14.96 | \$0.00 | \$53.33 |

Notes:

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PAINTER (TRAFFIC MARKINGS) LABORERS - ZONE 1 | 06/01/2013 | \$33.05 | \$7.10 | \$12.45 | \$0.00 | \$52.60 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.45 | \$0.00 | \$53.35 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.45 | \$0.00 | \$54.10 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.45 | \$0.00 | \$54.85 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.45 | \$0.00 | \$55.60 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.45 | \$0.00 | \$56.35 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.45 | \$0.00 | \$57.10 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.45 | \$0.00 | \$58.10 |

For Apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--------------------------------|------------|---------|--------|---------|--------|---------|
| PAINTER / TAPER (BRUSH, NEW) * | 01/01/2013 | \$34.51 | \$7.80 | \$15.60 | \$0.00 | \$57.91 |
|--------------------------------|------------|---------|--------|---------|--------|---------|

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 01/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$17.26 | \$7.80 | \$0.00 | \$0.00 | \$25.06 |
| 2 | 55 | \$18.98 | \$7.80 | \$3.52 | \$0.00 | \$30.30 |
| 3 | 60 | \$20.71 | \$7.80 | \$3.84 | \$0.00 | \$32.35 |
| 4 | 65 | \$22.43 | \$7.80 | \$4.16 | \$0.00 | \$34.39 |
| 5 | 70 | \$24.16 | \$7.80 | \$13.68 | \$0.00 | \$45.64 |
| 6 | 75 | \$25.88 | \$7.80 | \$14.00 | \$0.00 | \$47.68 |
| 7 | 80 | \$27.61 | \$7.80 | \$14.32 | \$0.00 | \$49.73 |
| 8 | 90 | \$31.06 | \$7.80 | \$14.96 | \$0.00 | \$53.82 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| PAINTER / TAPER (BRUSH, REPAINT) <i>PAINTERS LOCAL 35 - ZONE 2</i> | 01/01/2013 | \$32.57 | \$7.80 | \$15.60 | \$0.00 | \$55.97 |

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 01/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$16.29 | \$7.80 | \$0.00 | \$0.00 | \$24.09 |
| 2 | 55 | \$17.91 | \$7.80 | \$3.52 | \$0.00 | \$29.23 |
| 3 | 60 | \$19.54 | \$7.80 | \$3.84 | \$0.00 | \$31.18 |
| 4 | 65 | \$21.17 | \$7.80 | \$4.16 | \$0.00 | \$33.13 |
| 5 | 70 | \$22.80 | \$7.80 | \$13.68 | \$0.00 | \$44.28 |
| 6 | 75 | \$24.43 | \$7.80 | \$14.00 | \$0.00 | \$46.23 |
| 7 | 80 | \$26.06 | \$7.80 | \$14.32 | \$0.00 | \$48.18 |
| 8 | 90 | \$29.31 | \$7.80 | \$14.96 | \$0.00 | \$52.07 |

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2012 | \$31.38 | \$8.91 | \$8.00 | \$0.00 | \$48.29 |
| PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 1)</i> | 08/01/2013 | \$40.10 | \$9.80 | \$18.17 | \$0.00 | \$68.07 |
| | 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> | 08/01/2013 | \$40.10 | \$9.80 | \$18.17 | \$0.00 | \$68.07 |
| | 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 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PILE DRIVER - Local 56 Zone 1

Effective Date - 08/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$20.05 | \$9.80 | \$18.17 | \$0.00 | \$48.02 |
| 2 | 60 | \$24.06 | \$9.80 | \$18.17 | \$0.00 | \$52.03 |
| 3 | 70 | \$28.07 | \$9.80 | \$18.17 | \$0.00 | \$56.04 |
| 4 | 75 | \$30.08 | \$9.80 | \$18.17 | \$0.00 | \$58.05 |
| 5 | 80 | \$32.08 | \$9.80 | \$18.17 | \$0.00 | \$60.05 |
| 6 | 80 | \$32.08 | \$9.80 | \$18.17 | \$0.00 | \$60.05 |
| 7 | 90 | \$36.09 | \$9.80 | \$18.17 | \$0.00 | \$64.06 |
| 8 | 90 | \$36.09 | \$9.80 | \$18.17 | \$0.00 | \$64.06 |

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 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PIPEFITTER & STEAMFITTER PIPEFITTERS LOCAL 537 | 03/01/2013 | \$49.34 | \$8.75 | \$14.39 | \$0.00 | \$72.48 |
|---|------------|---------|--------|---------|--------|---------|

Apprentice - PIPEFITTER - Local 537

Effective Date - 03/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 40 | \$19.74 | \$8.75 | \$6.50 | \$0.00 | \$34.99 |
| 2 | 45 | \$22.20 | \$8.75 | \$14.39 | \$0.00 | \$45.34 |
| 3 | 60 | \$29.60 | \$8.75 | \$14.39 | \$0.00 | \$52.74 |
| 4 | 70 | \$34.54 | \$8.75 | \$14.39 | \$0.00 | \$57.68 |
| 5 | 80 | \$39.47 | \$8.75 | \$14.39 | \$0.00 | \$62.61 |

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:**

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---------------------------------------|----------------|-----------|--------|---------|---------------------------|------------|
| PIPELAYER <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| PLUMBERS & GASFITTERS <i>PLUMBERS & GASFITTERS LOCAL 12</i> | 03/01/2013 | \$49.31 | \$9.32 | \$13.29 | \$0.00 | \$71.92 |
|--|------------|---------|--------|---------|--------|---------|

Apprentice - PLUMBER/GASFITTER - Local 12

Effective Date - 03/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 35 | \$17.26 | \$9.32 | \$4.97 | \$0.00 | \$31.55 |
| 2 | 40 | \$19.72 | \$9.32 | \$5.61 | \$0.00 | \$34.65 |
| 3 | 55 | \$27.12 | \$9.32 | \$7.53 | \$0.00 | \$43.97 |
| 4 | 65 | \$32.05 | \$9.32 | \$8.81 | \$0.00 | \$50.18 |
| 5 | 75 | \$36.98 | \$9.32 | \$10.09 | \$0.00 | \$56.39 |

Notes:

** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr
Step4 with lic\$53.29 Step5 with lic\$59.49

Apprentice to Journeyworker Ratio:**

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| PNEUMATIC CONTROLS (TEMP.) <i>PIPEFITTERS LOCAL 537</i> | 03/01/2013 | \$49.34 | \$8.75 | \$14.39 | \$0.00 | \$72.48 |
|--|------------|---------|--------|---------|--------|---------|

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

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| POWDERMAN & BLASTER <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 12/01/2013 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 06/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 12/01/2014 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 06/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 12/01/2015 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 06/01/2016 | \$38.55 | \$7.10 | \$12.45 | \$0.00 | \$58.10 |
| | 12/01/2016 | \$39.55 | \$7.10 | \$12.45 | \$0.00 | \$59.10 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$40.34 | \$10.00 | \$13.55 | \$0.00 | \$63.89 |
| | 12/01/2013 | \$41.12 | \$10.00 | \$13.55 | \$0.00 | \$64.67 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$40.34 | \$10.00 | \$13.55 | \$0.00 | \$63.89 |
| | 12/01/2013 | \$41.12 | \$10.00 | \$13.55 | \$0.00 | \$64.67 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$28.19 | \$10.00 | \$13.55 | \$0.00 | \$51.74 |
| | 12/01/2013 | \$28.74 | \$10.00 | \$13.55 | \$0.00 | \$52.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 25b</i> | 05/01/2011 | \$28.03 | \$7.75 | \$5.91 | \$0.00 | \$41.69 |
| RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
| 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 ** ** 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. <i>CARPENTERS -ZONE 2 (Residential Wood)</i> | 05/01/2011 | \$24.24 | \$6.34 | \$6.23 | \$0.00 | \$36.81 |

As of 9/1/09 Carpentry work on wood-frame residential WEATHERIZATION projects shall be paid the RESIDENTIAL WOOD FRAME CARPENTER 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 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| ROLLER/SPREADER/MULCHING MACHINE OPERATING ENGINEERS LOCAL 4 | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| ROOFER (Inc.Roofer Waterproofng &Roofer Damproofg) ROOFERS LOCAL 33 | 08/01/2013 | \$38.31 | \$10.50 | \$10.70 | \$0.00 | \$59.51 |
| | 02/01/2014 | \$39.21 | \$10.50 | \$10.70 | \$0.00 | \$60.41 |
| | 08/01/2014 | \$40.11 | \$10.50 | \$10.70 | \$0.00 | \$61.31 |
| | 02/01/2015 | \$41.01 | \$10.50 | \$10.70 | \$0.00 | \$62.21 |
| | 08/01/2015 | \$41.91 | \$10.50 | \$10.70 | \$0.00 | \$63.11 |
| | 02/01/2016 | \$42.81 | \$10.50 | \$10.70 | \$0.00 | \$64.01 |

Apprentice - ROOFER - Local 33

Effective Date - 08/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$19.16 | \$10.50 | \$3.38 | \$0.00 | \$33.04 |
| 2 | 60 | \$22.99 | \$10.50 | \$10.70 | \$0.00 | \$44.19 |
| 3 | 65 | \$24.90 | \$10.50 | \$10.70 | \$0.00 | \$46.10 |
| 4 | 75 | \$28.73 | \$10.50 | \$10.70 | \$0.00 | \$49.93 |
| 5 | 85 | \$32.56 | \$10.50 | \$10.70 | \$0.00 | \$53.76 |

Effective Date - 02/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$19.61 | \$10.50 | \$3.38 | \$0.00 | \$33.49 |
| 2 | 60 | \$23.53 | \$10.50 | \$10.70 | \$0.00 | \$44.73 |
| 3 | 65 | \$25.49 | \$10.50 | \$10.70 | \$0.00 | \$46.69 |
| 4 | 75 | \$29.41 | \$10.50 | \$10.70 | \$0.00 | \$50.61 |
| 5 | 85 | \$33.33 | \$10.50 | \$10.70 | \$0.00 | \$54.53 |

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 ROOFERS LOCAL 33 | 08/01/2013 | \$38.56 | \$10.50 | \$10.70 | \$0.00 | \$59.76 |
| | 02/01/2014 | \$39.46 | \$10.50 | \$10.70 | \$0.00 | \$60.66 |
| | 08/01/2014 | \$40.36 | \$10.50 | \$10.70 | \$0.00 | \$61.56 |
| | 02/01/2015 | \$41.26 | \$10.50 | \$10.70 | \$0.00 | \$62.46 |
| | 08/01/2015 | \$42.16 | \$10.50 | \$10.70 | \$0.00 | \$63.36 |
| | 02/01/2016 | \$43.06 | \$10.50 | \$10.70 | \$0.00 | \$64.26 |

For apprentice rates see "Apprentice- ROOFER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|--------|---------|---------------------------|------------|
| SHEETMETAL WORKER SHEETMETAL WORKERS LOCAL 17 - A | 09/01/2013 | \$42.35 | \$9.82 | \$19.08 | \$2.14 | \$73.39 |
| | 02/01/2014 | \$43.20 | \$9.82 | \$19.08 | \$2.14 | \$74.24 |
| | 08/01/2014 | \$44.05 | \$9.82 | \$19.08 | \$2.14 | \$75.09 |
| | 02/01/2015 | \$44.95 | \$9.82 | \$19.08 | \$2.14 | \$75.99 |
| | 08/01/2015 | \$45.95 | \$9.82 | \$19.08 | \$2.14 | \$76.99 |
| | 02/01/2016 | \$46.95 | \$9.82 | \$19.08 | \$2.14 | \$77.99 |
| | 08/01/2016 | \$48.10 | \$9.82 | \$19.08 | \$2.14 | \$79.14 |
| | 02/01/2017 | \$49.20 | \$9.82 | \$19.08 | \$2.14 | \$80.24 |
| | 08/01/2017 | \$50.30 | \$9.82 | \$19.08 | \$2.14 | \$81.34 |
| | 02/01/2018 | \$51.45 | \$9.82 | \$19.08 | \$2.14 | \$82.49 |

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 09/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 40 | \$16.94 | \$9.82 | \$4.82 | \$0.00 | \$31.58 |
| 2 | 40 | \$16.94 | \$9.82 | \$4.82 | \$0.00 | \$31.58 |
| 3 | 45 | \$19.06 | \$9.82 | \$8.45 | \$1.12 | \$38.45 |
| 4 | 45 | \$19.06 | \$9.82 | \$8.45 | \$1.12 | \$38.45 |
| 5 | 50 | \$21.18 | \$9.82 | \$9.24 | \$1.21 | \$41.45 |
| 6 | 50 | \$21.18 | \$9.82 | \$9.49 | \$1.21 | \$41.70 |
| 7 | 60 | \$25.41 | \$9.82 | \$10.80 | \$1.38 | \$47.41 |
| 8 | 65 | \$27.53 | \$9.82 | \$11.59 | \$1.47 | \$50.41 |
| 9 | 75 | \$31.76 | \$9.82 | \$13.16 | \$1.64 | \$56.38 |
| 10 | 85 | \$36.00 | \$9.82 | \$14.23 | \$1.80 | \$61.85 |

Effective Date - 02/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 40 | \$17.28 | \$9.82 | \$4.82 | \$0.00 | \$31.92 |
| 2 | 40 | \$17.28 | \$9.82 | \$4.82 | \$0.00 | \$31.92 |
| 3 | 45 | \$19.44 | \$9.82 | \$8.45 | \$1.12 | \$38.83 |
| 4 | 45 | \$19.44 | \$9.82 | \$8.45 | \$1.12 | \$38.83 |
| 5 | 50 | \$21.60 | \$9.82 | \$9.24 | \$1.21 | \$41.87 |
| 6 | 50 | \$21.60 | \$9.82 | \$9.49 | \$1.21 | \$42.12 |
| 7 | 60 | \$25.92 | \$9.82 | \$10.80 | \$1.38 | \$47.92 |
| 8 | 65 | \$28.08 | \$9.82 | \$11.59 | \$1.47 | \$50.96 |
| 9 | 75 | \$32.40 | \$9.82 | \$13.16 | \$1.64 | \$57.02 |
| 10 | 85 | \$36.72 | \$9.82 | \$14.23 | \$1.80 | \$62.57 |

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 |
|--|------------|---------|--------|--------|--------|---------|

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 A</i> | 12/01/2012 | \$31.84 | \$8.91 | \$8.00 | \$0.00 | \$48.75 |
| SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2012 | \$32.13 | \$8.91 | \$8.00 | \$0.00 | \$49.04 |
| SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A)</i> | 03/01/2013 | \$52.58 | \$8.42 | \$12.60 | \$0.00 | \$73.60 |

Apprentice - SPRINKLER FITTER - Local 550

Effective Date - 03/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 35 | \$18.40 | \$8.42 | \$8.00 | \$0.00 | \$34.82 |
| 2 | 40 | \$21.03 | \$8.42 | \$8.00 | \$0.00 | \$37.45 |
| 3 | 45 | \$23.66 | \$8.42 | \$8.00 | \$0.00 | \$40.08 |
| 4 | 50 | \$26.29 | \$8.42 | \$8.00 | \$0.00 | \$42.71 |
| 5 | 55 | \$28.92 | \$8.42 | \$8.00 | \$0.00 | \$45.34 |
| 6 | 60 | \$31.55 | \$8.42 | \$8.00 | \$0.00 | \$47.97 |
| 7 | 65 | \$34.18 | \$8.42 | \$8.00 | \$0.00 | \$50.60 |
| 8 | 70 | \$36.81 | \$8.42 | \$8.00 | \$0.00 | \$53.23 |
| 9 | 75 | \$39.44 | \$8.42 | \$8.00 | \$0.00 | \$55.86 |
| 10 | 80 | \$42.06 | \$8.42 | \$8.00 | \$0.00 | \$58.48 |

Notes:
Steps are 850 hours

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN OPERATING ENGINEERS LOCAL 4 | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| TELECOMMUNICATION TECHNICIAN ELECTRICIANS LOCAL 103 | 09/01/2013 | \$32.97 | \$13.00 | \$12.77 | \$0.00 | \$58.74 |
| | 03/01/2014 | \$33.44 | \$13.00 | \$13.03 | \$0.00 | \$59.47 |
| | 09/01/2014 | \$33.84 | \$13.00 | \$13.05 | \$0.00 | \$59.89 |
| | 03/01/2015 | \$34.38 | \$13.00 | \$13.06 | \$0.00 | \$60.44 |
| | 09/01/2015 | \$35.10 | \$13.00 | \$13.08 | \$0.00 | \$61.18 |
| | 03/01/2016 | \$35.81 | \$13.00 | \$13.10 | \$0.00 | \$61.91 |

Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103

Effective Date - 09/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$13.19 | \$13.00 | \$0.40 | \$0.00 | \$26.59 |
| 2 | 40 | \$13.19 | \$13.00 | \$0.40 | \$0.00 | \$26.59 |
| 3 | 45 | \$14.84 | \$13.00 | \$10.04 | \$0.00 | \$37.88 |
| 4 | 45 | \$14.84 | \$13.00 | \$10.04 | \$0.00 | \$37.88 |
| 5 | 50 | \$16.49 | \$13.00 | \$10.29 | \$0.00 | \$39.78 |
| 6 | 55 | \$18.13 | \$13.00 | \$10.53 | \$0.00 | \$41.66 |
| 7 | 60 | \$19.78 | \$13.00 | \$10.78 | \$0.00 | \$43.56 |
| 8 | 65 | \$21.43 | \$13.00 | \$11.03 | \$0.00 | \$45.46 |
| 9 | 70 | \$23.08 | \$13.00 | \$11.28 | \$0.00 | \$47.36 |
| 10 | 75 | \$24.73 | \$13.00 | \$11.53 | \$0.00 | \$49.26 |

Effective Date - 03/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$13.38 | \$13.00 | \$0.40 | \$0.00 | \$26.78 |
| 2 | 40 | \$13.38 | \$13.00 | \$0.40 | \$0.00 | \$26.78 |
| 3 | 45 | \$15.05 | \$13.00 | \$10.29 | \$0.00 | \$38.34 |
| 4 | 45 | \$15.05 | \$13.00 | \$10.29 | \$0.00 | \$38.34 |
| 5 | 50 | \$16.72 | \$13.00 | \$10.54 | \$0.00 | \$40.26 |
| 6 | 55 | \$18.39 | \$13.00 | \$10.79 | \$0.00 | \$42.18 |
| 7 | 60 | \$20.06 | \$13.00 | \$11.04 | \$0.00 | \$44.10 |
| 8 | 65 | \$21.74 | \$13.00 | \$11.29 | \$0.00 | \$46.03 |
| 9 | 70 | \$23.41 | \$13.00 | \$11.54 | \$0.00 | \$47.95 |
| 10 | 75 | \$25.08 | \$13.00 | \$11.79 | \$0.00 | \$49.87 |

Notes:

Apprentice to Journeyworker Ratio:1:1

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| TERRAZZO FINISHERS BRICKLAYERS LOCAL 3 - MARBLE & TILE | 08/01/2013 | \$47.00 | \$10.18 | \$18.15 | \$0.00 | \$75.33 |
| | 02/01/2014 | \$47.56 | \$10.18 | \$18.15 | \$0.00 | \$75.89 |
| | 08/01/2014 | \$48.46 | \$10.18 | \$18.22 | \$0.00 | \$76.86 |
| | 02/01/2015 | \$49.02 | \$10.18 | \$18.22 | \$0.00 | \$77.42 |
| | 08/01/2015 | \$49.92 | \$10.18 | \$18.29 | \$0.00 | \$78.39 |
| | 02/01/2016 | \$50.49 | \$10.18 | \$18.29 | \$0.00 | \$78.96 |
| | 08/01/2016 | \$51.39 | \$10.18 | \$18.37 | \$0.00 | \$79.94 |
| | 02/01/2017 | \$51.96 | \$10.18 | \$18.37 | \$0.00 | \$80.51 |

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 08/01/2013

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$23.50 | \$10.18 | \$18.15 | \$0.00 | \$51.83 |
| 2 | 60 | \$28.20 | \$10.18 | \$18.15 | \$0.00 | \$56.53 |
| 3 | 70 | \$32.90 | \$10.18 | \$18.15 | \$0.00 | \$61.23 |
| 4 | 80 | \$37.60 | \$10.18 | \$18.15 | \$0.00 | \$65.93 |
| 5 | 90 | \$42.30 | \$10.18 | \$18.15 | \$0.00 | \$70.63 |

Effective Date - 02/01/2014

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$23.78 | \$10.18 | \$18.15 | \$0.00 | \$52.11 |
| 2 | 60 | \$28.54 | \$10.18 | \$18.15 | \$0.00 | \$56.87 |
| 3 | 70 | \$33.29 | \$10.18 | \$18.15 | \$0.00 | \$61.62 |
| 4 | 80 | \$38.05 | \$10.18 | \$18.15 | \$0.00 | \$66.38 |
| 5 | 90 | \$42.80 | \$10.18 | \$18.15 | \$0.00 | \$71.13 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| TEST BORING DRILLER LABORERS - FOUNDATION AND MARINE | 06/01/2013 | \$34.45 | \$7.10 | \$12.60 | \$0.00 | \$54.15 |
| | 12/01/2013 | \$35.20 | \$7.10 | \$12.60 | \$0.00 | \$54.90 |
| | 06/01/2014 | \$35.95 | \$7.10 | \$12.60 | \$0.00 | \$55.65 |
| | 12/01/2014 | \$36.70 | \$7.10 | \$12.60 | \$0.00 | \$56.40 |
| | 06/01/2015 | \$37.45 | \$7.10 | \$12.60 | \$0.00 | \$57.15 |
| | 12/01/2015 | \$38.20 | \$7.10 | \$12.60 | \$0.00 | \$57.90 |
| | 06/01/2016 | \$38.95 | \$7.10 | \$12.60 | \$0.00 | \$58.65 |
| | 12/01/2016 | \$39.95 | \$7.10 | \$12.60 | \$0.00 | \$59.65 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2013 | \$33.17 | \$7.10 | \$12.60 | \$0.00 | \$52.87 |
| | 12/01/2013 | \$33.92 | \$7.10 | \$12.60 | \$0.00 | \$53.62 |
| | 06/01/2014 | \$34.67 | \$7.10 | \$12.60 | \$0.00 | \$54.37 |
| | 12/01/2014 | \$35.42 | \$7.10 | \$12.60 | \$0.00 | \$55.12 |
| | 06/01/2015 | \$36.17 | \$7.10 | \$12.60 | \$0.00 | \$55.87 |
| | 12/01/2015 | \$36.92 | \$7.10 | \$12.60 | \$0.00 | \$56.62 |
| | 06/01/2016 | \$37.67 | \$7.10 | \$12.60 | \$0.00 | \$57.37 |
| | 12/01/2016 | \$38.67 | \$7.10 | \$12.60 | \$0.00 | \$58.37 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2013 | \$33.05 | \$7.10 | \$12.60 | \$0.00 | \$52.75 |
| | 12/01/2013 | \$33.80 | \$7.10 | \$12.60 | \$0.00 | \$53.50 |
| | 06/01/2014 | \$34.55 | \$7.10 | \$12.60 | \$0.00 | \$54.25 |
| | 12/01/2014 | \$35.30 | \$7.10 | \$12.60 | \$0.00 | \$55.00 |
| | 06/01/2015 | \$36.05 | \$7.10 | \$12.60 | \$0.00 | \$55.75 |
| | 12/01/2015 | \$36.80 | \$7.10 | \$12.60 | \$0.00 | \$56.50 |
| | 06/01/2016 | \$37.55 | \$7.10 | \$12.60 | \$0.00 | \$57.25 |
| | 12/01/2016 | \$38.55 | \$7.10 | \$12.60 | \$0.00 | \$58.25 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$39.96 | \$10.00 | \$13.55 | \$0.00 | \$63.51 |
| | 12/01/2013 | \$40.74 | \$10.00 | \$13.55 | \$0.00 | \$64.29 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2012 | \$32.42 | \$9.07 | \$8.00 | \$0.00 | \$49.49 |
| TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i> | 06/01/2013 | \$45.33 | \$7.10 | \$13.00 | \$0.00 | \$65.43 |
| | 12/01/2013 | \$46.08 | \$7.10 | \$13.00 | \$0.00 | \$66.18 |
| | 06/01/2014 | \$46.83 | \$7.10 | \$13.00 | \$0.00 | \$66.93 |
| | 12/01/2014 | \$47.58 | \$7.10 | \$13.00 | \$0.00 | \$67.68 |
| | 06/01/2015 | \$48.33 | \$7.10 | \$13.00 | \$0.00 | \$68.43 |
| | 12/01/2015 | \$49.08 | \$7.10 | \$13.00 | \$0.00 | \$69.18 |
| | 06/01/2016 | \$49.83 | \$7.10 | \$13.00 | \$0.00 | \$69.93 |
| | 12/01/2016 | \$50.83 | \$7.10 | \$13.00 | \$0.00 | \$70.93 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i> | 06/01/2013 | \$47.33 | \$7.10 | \$13.00 | \$0.00 | \$67.43 |
| | 12/01/2013 | \$48.08 | \$7.10 | \$13.00 | \$0.00 | \$68.18 |
| | 06/01/2014 | \$48.83 | \$7.10 | \$13.00 | \$0.00 | \$68.93 |
| | 12/01/2014 | \$49.58 | \$7.10 | \$13.00 | \$0.00 | \$69.68 |
| | 06/01/2015 | \$50.33 | \$7.10 | \$13.00 | \$0.00 | \$70.43 |
| | 12/01/2015 | \$51.08 | \$7.10 | \$13.00 | \$0.00 | \$71.18 |
| | 06/01/2016 | \$51.83 | \$7.10 | \$13.00 | \$0.00 | \$71.93 |
| | 12/01/2016 | \$52.83 | \$7.10 | \$13.00 | \$0.00 | \$72.93 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|--|-----------|---------|---------|---------------------------|------------|
| TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i> | 06/01/2013 | \$37.40 | \$7.10 | \$13.00 | \$0.00 | \$57.50 |
| | 12/01/2013 | \$38.15 | \$7.10 | \$13.00 | \$0.00 | \$58.25 |
| | 06/01/2014 | \$38.90 | \$7.10 | \$13.00 | \$0.00 | \$59.00 |
| | 12/01/2014 | \$39.65 | \$7.10 | \$13.00 | \$0.00 | \$59.75 |
| | 06/01/2015 | \$40.40 | \$7.10 | \$13.00 | \$0.00 | \$60.50 |
| | 12/01/2015 | \$41.15 | \$7.10 | \$13.00 | \$0.00 | \$61.25 |
| | 06/01/2016 | \$41.90 | \$7.10 | \$13.00 | \$0.00 | \$62.00 |
| | 12/01/2016 | \$42.90 | \$7.10 | \$13.00 | \$0.00 | \$63.00 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i> | 06/01/2013 | \$39.40 | \$7.10 | \$13.00 | \$0.00 | \$59.50 |
| | 12/01/2013 | \$40.15 | \$7.10 | \$13.00 | \$0.00 | \$60.25 |
| | 06/01/2014 | \$40.90 | \$7.10 | \$13.00 | \$0.00 | \$61.00 |
| | 12/01/2014 | \$41.65 | \$7.10 | \$13.00 | \$0.00 | \$61.75 |
| | 06/01/2015 | \$42.40 | \$7.10 | \$13.00 | \$0.00 | \$62.50 |
| | 12/01/2015 | \$43.15 | \$7.10 | \$13.00 | \$0.00 | \$63.25 |
| | 06/01/2016 | \$43.90 | \$7.10 | \$13.00 | \$0.00 | \$64.00 |
| | 12/01/2016 | \$44.90 | \$7.10 | \$13.00 | \$0.00 | \$65.00 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE A</i> | 12/01/2012 | \$31.84 | \$8.91 | \$8.00 | \$0.00 | \$48.75 |
| WAGON DRILL OPERATOR <i>LABORERS - ZONE 1</i> | 06/01/2013 | \$33.30 | \$7.10 | \$12.45 | \$0.00 | \$52.85 |
| | 12/01/2013 | \$34.05 | \$7.10 | \$12.45 | \$0.00 | \$53.60 |
| | 06/01/2014 | \$34.80 | \$7.10 | \$12.45 | \$0.00 | \$54.35 |
| | 12/01/2014 | \$35.55 | \$7.10 | \$12.45 | \$0.00 | \$55.10 |
| | 06/01/2015 | \$36.30 | \$7.10 | \$12.45 | \$0.00 | \$55.85 |
| | 12/01/2015 | \$37.05 | \$7.10 | \$12.45 | \$0.00 | \$56.60 |
| | 06/01/2016 | \$37.80 | \$7.10 | \$12.45 | \$0.00 | \$57.35 |
| | 12/01/2016 | \$38.80 | \$7.10 | \$12.45 | \$0.00 | \$58.35 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2013 | \$40.34 | \$10.00 | \$13.55 | \$0.00 | \$63.89 |
| | 12/01/2013 | \$41.12 | \$10.00 | \$13.55 | \$0.00 | \$64.67 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| WATER METER INSTALLER <i>PLUMBERS & GASFITTERS LOCAL 12</i> | 03/01/2013 | \$49.31 | \$9.32 | \$13.29 | \$0.00 | \$71.92 |
| 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" | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| 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

| | | | | | | |
|---|------------|---------|--------|--------|--------|---------|
| TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 07/16/2012 | \$26.33 | \$4.18 | \$2.79 | \$0.00 | \$33.30 |
| TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 07/16/2012 | \$24.78 | \$4.18 | \$2.74 | \$0.00 | \$31.70 |
| TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 07/16/2012 | \$24.78 | \$4.18 | \$2.74 | \$0.00 | \$31.70 |
| TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 01/29/2012 | \$17.18 | \$3.37 | \$0.00 | \$0.00 | \$20.55 |
| This classification applies only to the trimming of branches on and around utility lines. | | | | | | |
| TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i> | 01/29/2012 | \$15.15 | \$3.37 | \$0.00 | \$0.00 | \$18.52 |
| This classification applies only to the trimming of branches on and around utility lines. | | | | | | |

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) unless otherwise specified.

- * Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof.
- ** 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.