



ADDENDUM NO.1

MISC. ELECTRICAL, DATA & SECURITY ITEMS FOR THE FREETOWN POLICE STATION

15 Memorial Drive,
East Freetown, MA 02717
CGA #2017-007

Date: 12/15/2021
Page: 1 of 2

GENERAL

This Addendum shall supplement, amend, and become part of the bid documents. All bids and the construction contract shall be based on these modifications.

All work called for shall comply with requirements specified for similar work unless otherwise described.

RFI's Addressed in this Addendum

1. **Question:** Where are the added Cat 6 data wires fed from.
Answer: The added Cat 6 data wires will be fed from the Computer Network Room A207 which is directly above A120 Dispatch.
2. **Question:** Do any compartments in the Asset Tracer Lockers need charging capabilities?
Answer: Yes, four (4) compartments will need to have a 15-amp 120 V outlet installed in them.
3. **Question:** Is the electrician responsible for connecting the Asset Tracer Lockers and Key Tracer Lockers to the network system.
Answer: The electrician is responsible for running the data cable and the power to the Asset Tracer Lockers and Key Tracer Lockers and they will then be assisted by a company representative when connecting them to the network.
4. **Question:** What is the electrician responsible for concerning the added card readers?
Answer: The electrician is responsible for running the door access cabling wire to the card reader location, the transfer hinge location, and the door status contact. The card reader vendor will be responsible for drilling the door, supplying, and installing the card reader, the hinge and all of the hardware.



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Page: 2 of 2

Corrections

1. ITEM #2:
 - A. The Lobby display case LED lighting is being supplied by the OWNER and is currently onsite.
 - B. The electrician shall provide and install a dimmer switch on the ceiling of the display case to control the LED lighting.
2. The Construction Completion Date has been extended to March 31st, 2022.

Attachments

1. Prevailing Wage Rate Sheet.
2. Specifications for the “KeyTracer” and “Asset Tracer” lockers to be installed.
3. Pre-Bid Site Meeting Sign-In sheet.
4. Revised General Bid Form.



CHARLES D. BAKER
Governor

KARYN E. POLITO
Lt. Governor

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

ROSALIN ACOSTA
Secretary
MICHAEL FLANAGAN
Director

Awarding Authority: Town of Freetown, MA
Contract Number: **City/Town:** FREETOWN
Description of Work: Miscellaneous electrical, data and security upgrades for the Freetown Police Station.
Job Location: 15 Memorial Drive, East Freetown, MA 02717

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the “Wage Request Number” on all pages of this schedule.
 - An Awarding Authority must request an updated wage schedule from the Department of Labor Standards (“DLS”) if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
 - The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
 - All apprentices working on the project are required to be registered with the Massachusetts Department of Labor Standards, Division of Apprentice Standards (DLS/DAS). Apprentice must keep his/her apprentice identification card on his/her person during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. **Any apprentice not registered with DLS/DAS regardless of whether or not they are registered with any other federal, state, local, or private agency must be paid the journeyworker's rate for the trade.**
 - The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule. Awarding authorities are required to request these updates no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. Contractors are required to obtain the wage schedules from awarding authorities, and to pay no less than these rates to covered workers. The annual update requirement is not applicable to 27F “rental of equipment” contracts.
 - Every contractor or subcontractor which performs construction work on the project is required to submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee’s name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. A sample of a payroll reporting form may be obtained at <http://www.mass.gov/dols/pw>.
 - Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
 - Employees not receiving the prevailing wage rate set forth on the wage schedule may report the violation to the Fair Labor Division of the office of the Attorney General at (617) 727-3465.
 - Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
Construction						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2021	\$35.95	\$13.41	\$16.01	\$0.00	\$65.37
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2021	\$36.02	\$13.41	\$16.01	\$0.00	\$65.44
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2021	\$36.14	\$13.41	\$16.01	\$0.00	\$65.56
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$103.05	\$9.40	\$23.12	\$0.00	\$135.57
For apprentice rates see "Apprentice- PILE DRIVER"						
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2021	\$36.16	\$9.10	\$16.64	\$0.00	\$61.90
	06/01/2022	\$37.06	\$9.10	\$16.64	\$0.00	\$62.80
	12/01/2022	\$37.91	\$9.10	\$16.64	\$0.00	\$63.65
	06/01/2023	\$38.81	\$9.10	\$16.64	\$0.00	\$64.55
	12/01/2023	\$39.71	\$9.10	\$16.64	\$0.00	\$65.45
For apprentice rates see "Apprentice- LABORER"						
AIR TRACK OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$36.16	\$9.10	\$16.64	\$0.00	\$61.90
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASBESTOS WORKER (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (SOUTHERN MASS)</i>	12/01/2020	\$38.10	\$12.80	\$9.45	\$0.00	\$60.35
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
ASPHALT RAKER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$51.38	\$14.00	\$16.05	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$51.38	\$14.00	\$16.05	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	12/01/2021	\$36.16	\$9.10	\$16.64	\$0.00	\$61.90
	06/01/2022	\$37.06	\$9.10	\$16.64	\$0.00	\$62.80
	12/01/2022	\$37.91	\$9.10	\$16.64	\$0.00	\$63.65
	06/01/2023	\$38.81	\$9.10	\$16.64	\$0.00	\$64.55
	12/01/2023	\$39.71	\$9.10	\$16.64	\$0.00	\$65.45
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> For apprentice rates see "Apprentice- LABORER (Heavy and Highway)	12/01/2021	\$36.16	\$9.10	\$16.64	\$0.00	\$61.90
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2020	\$46.10	\$7.07	\$17.98	\$0.00	\$71.15

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$29.97	\$7.07	\$11.69	\$0.00	\$48.73
2	65	\$29.97	\$7.07	\$11.69	\$0.00	\$48.73
3	70	\$32.27	\$7.07	\$12.59	\$0.00	\$51.93
4	75	\$34.58	\$7.07	\$13.49	\$0.00	\$55.14
5	80	\$36.88	\$7.07	\$14.38	\$0.00	\$58.33
6	85	\$39.19	\$7.07	\$15.29	\$0.00	\$61.55
7	90	\$41.49	\$7.07	\$16.18	\$0.00	\$64.74
8	95	\$43.80	\$7.07	\$17.09	\$0.00	\$67.96

Notes:

Apprentice to Journeyworker Ratio:1:4

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	08/01/2021	\$57.15	\$11.39	\$22.25	\$0.00	\$90.79
<i>BRICKLAYERS LOCAL 3 (NEW BEDFORD)</i>	02/01/2022	\$57.74	\$11.39	\$22.25	\$0.00	\$91.38

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 New Bedford

Effective Date - 08/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.58	\$11.39	\$22.25	\$0.00	\$62.22
2	60	\$34.29	\$11.39	\$22.25	\$0.00	\$67.93
3	70	\$40.01	\$11.39	\$22.25	\$0.00	\$73.65
4	80	\$45.72	\$11.39	\$22.25	\$0.00	\$79.36
5	90	\$51.44	\$11.39	\$22.25	\$0.00	\$85.08

Effective Date - 02/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.87	\$11.39	\$22.25	\$0.00	\$62.51
2	60	\$34.64	\$11.39	\$22.25	\$0.00	\$68.28
3	70	\$40.42	\$11.39	\$22.25	\$0.00	\$74.06
4	80	\$46.19	\$11.39	\$22.25	\$0.00	\$79.83
5	90	\$51.97	\$11.39	\$22.25	\$0.00	\$85.61

Notes:

Apprentice to Journeyworker Ratio:1:5

BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2021	\$42.33	\$9.10	\$17.72	\$0.00	\$69.15
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2021	\$41.18	\$9.10	\$17.72	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2021	\$41.18	\$9.10	\$17.72	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	09/01/2021	\$44.18	\$8.58	\$19.82	\$0.00	\$72.58
	03/01/2022	\$44.78	\$8.58	\$19.82	\$0.00	\$73.18
	09/01/2022	\$45.43	\$8.58	\$19.82	\$0.00	\$73.83
	03/01/2023	\$46.03	\$8.58	\$19.82	\$0.00	\$74.43

Classification
Effective Date
Base Wage
Health
Pension
**Supplemental
Unemployment**
Total Rate
Apprentice - CARPENTER - Zone 2 Eastern MA
Effective Date - 09/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.09	\$8.58	\$1.73	\$0.00	\$32.40
2	60	\$26.51	\$8.58	\$1.73	\$0.00	\$36.82
3	70	\$30.93	\$8.58	\$14.63	\$0.00	\$54.14
4	75	\$33.14	\$8.58	\$14.63	\$0.00	\$56.35
5	80	\$35.34	\$8.58	\$16.36	\$0.00	\$60.28
6	80	\$35.34	\$8.58	\$16.36	\$0.00	\$60.28
7	90	\$39.76	\$8.58	\$18.09	\$0.00	\$66.43
8	90	\$39.76	\$8.58	\$18.09	\$0.00	\$66.43

Effective Date - 03/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.39	\$8.58	\$1.73	\$0.00	\$32.70
2	60	\$26.87	\$8.58	\$1.73	\$0.00	\$37.18
3	70	\$31.35	\$8.58	\$14.63	\$0.00	\$54.56
4	75	\$33.59	\$8.58	\$14.63	\$0.00	\$56.80
5	80	\$35.82	\$8.58	\$16.36	\$0.00	\$60.76
6	80	\$35.82	\$8.58	\$16.36	\$0.00	\$60.76
7	90	\$40.30	\$8.58	\$18.09	\$0.00	\$66.97
8	90	\$40.30	\$8.58	\$18.09	\$0.00	\$66.97

Notes:

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80
Step 1&2 \$30.19/ 3&4 \$36.28/ 5&6 \$55.87/ 7&8 \$62.01

Apprentice to Journeyworker Ratio:1:5

CARPENTER WOOD FRAME	04/01/2021	\$23.16	\$7.21	\$4.80	\$0.00	\$35.17
CARPENTERS-ZONE 3 (Wood Frame)	04/01/2022	\$23.66	\$7.21	\$4.80	\$0.00	\$35.67
	04/01/2023	\$24.16	\$7.21	\$4.80	\$0.00	\$36.17

All Aspects of New Wood Frame Work

Classification

Effective Date

Base Wage

Health

Pension

Supplemental
Unemployment

Total Rate

Apprentice - CARPENTER (Wood Frame) - Zone 3**Effective Date -** 04/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$13.90	\$7.21	\$0.00	\$0.00	\$21.11
2	60	\$13.90	\$7.21	\$0.00	\$0.00	\$21.11
3	65	\$15.05	\$7.21	\$0.00	\$0.00	\$22.26
4	70	\$16.21	\$7.21	\$0.00	\$0.00	\$23.42
5	75	\$17.37	\$7.21	\$3.80	\$0.00	\$28.38
6	80	\$18.53	\$7.21	\$3.80	\$0.00	\$29.54
7	85	\$19.69	\$7.21	\$3.80	\$0.00	\$30.70
8	90	\$20.84	\$7.21	\$3.80	\$0.00	\$31.85

Effective Date - 04/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$14.20	\$7.21	\$0.00	\$0.00	\$21.41
2	60	\$14.20	\$7.21	\$0.00	\$0.00	\$21.41
3	65	\$15.38	\$7.21	\$0.00	\$0.00	\$22.59
4	70	\$16.56	\$7.21	\$0.00	\$0.00	\$23.77
5	75	\$17.75	\$7.21	\$3.80	\$0.00	\$28.76
6	80	\$18.93	\$7.21	\$3.80	\$0.00	\$29.94
7	85	\$20.11	\$7.21	\$3.80	\$0.00	\$31.12
8	90	\$21.29	\$7.21	\$3.80	\$0.00	\$32.30

Notes:

% Indentured After 10/1/17; 45/45/55/55/70/70/80/80
 Step 1&2 \$17.63/ 3&4 \$19.95/ 5&6 \$27.22/ 7&8 \$29.54

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING

01/01/2020

\$49.07

\$12.75

\$22.41

\$0.62

\$84.85

BRICKLAYERS LOCAL 3 (NEW BEDFORD)

Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (New Bedford)**Effective Date -** 01/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.54	\$12.75	\$15.41	\$0.00	\$52.70
2	60	\$29.44	\$12.75	\$17.41	\$0.62	\$60.22
3	65	\$31.90	\$12.75	\$18.41	\$0.62	\$63.68
4	70	\$34.35	\$12.75	\$19.41	\$0.62	\$67.13
5	75	\$36.80	\$12.75	\$20.41	\$0.62	\$70.58
6	80	\$39.26	\$12.75	\$21.41	\$0.62	\$74.04
7	90	\$44.16	\$12.75	\$22.41	\$0.62	\$79.94

Notes:

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

Apprentice to Journeyworker Ratio:1:3

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
CHAIN SAW OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$52.38	\$14.00	\$16.05	\$0.00	\$82.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$33.69	\$14.00	\$16.05	\$0.00	\$63.74
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DELEADER (BRIDGE) <i>PAINTERS LOCAL 35 - ZONE 2</i>	07/01/2021	\$52.86	\$8.45	\$22.90	\$0.00	\$84.21
	01/01/2022	\$53.66	\$8.65	\$23.05	\$0.00	\$85.36
	07/01/2022	\$54.86	\$8.65	\$23.05	\$0.00	\$86.56
	01/01/2023	\$56.06	\$8.65	\$23.05	\$0.00	\$87.76
	07/01/2023	\$57.26	\$8.65	\$23.05	\$0.00	\$88.96
	01/01/2024	\$58.46	\$8.65	\$23.05	\$0.00	\$90.16
	07/01/2024	\$59.66	\$8.65	\$23.05	\$0.00	\$91.36
	01/01/2025	\$60.86	\$8.65	\$23.05	\$0.00	\$92.56

Classification
Effective Date
Base Wage
Health
Pension
**Supplemental
Unemployment**
Total Rate
Apprentice - PAINTER Local 35 - BRIDGES/TANKS
Effective Date - 07/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.43	\$8.45	\$0.00	\$0.00	\$34.88
2	55	\$29.07	\$8.45	\$6.22	\$0.00	\$43.74
3	60	\$31.72	\$8.45	\$6.78	\$0.00	\$46.95
4	65	\$34.36	\$8.45	\$7.35	\$0.00	\$50.16
5	70	\$37.00	\$8.45	\$19.51	\$0.00	\$64.96
6	75	\$39.65	\$8.45	\$20.08	\$0.00	\$68.18
7	80	\$42.29	\$8.45	\$20.64	\$0.00	\$71.38
8	90	\$47.57	\$8.45	\$21.77	\$0.00	\$77.79

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.83	\$8.65	\$0.00	\$0.00	\$35.48
2	55	\$29.51	\$8.65	\$6.27	\$0.00	\$44.43
3	60	\$32.20	\$8.65	\$6.84	\$0.00	\$47.69
4	65	\$34.88	\$8.65	\$7.41	\$0.00	\$50.94
5	70	\$37.56	\$8.65	\$19.63	\$0.00	\$65.84
6	75	\$40.25	\$8.65	\$20.20	\$0.00	\$69.10
7	80	\$42.93	\$8.65	\$20.77	\$0.00	\$72.35
8	90	\$48.29	\$8.65	\$21.91	\$0.00	\$78.85

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

DEMO: ADZEMAN

LABORERS - ZONE 2

12/01/2021	\$41.33	\$9.10	\$17.57	\$0.00	\$68.00
06/01/2022	\$42.33	\$9.10	\$17.57	\$0.00	\$69.00
12/01/2022	\$43.33	\$9.10	\$17.57	\$0.00	\$70.00
06/01/2023	\$44.33	\$9.10	\$17.57	\$0.00	\$71.00
12/01/2023	\$45.58	\$9.10	\$17.57	\$0.00	\$72.25

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR

LABORERS - ZONE 2

12/01/2021	\$42.33	\$9.10	\$17.57	\$0.00	\$69.00
06/01/2022	\$43.33	\$9.10	\$17.57	\$0.00	\$70.00
12/01/2022	\$44.33	\$9.10	\$17.57	\$0.00	\$71.00
06/01/2023	\$45.33	\$9.10	\$17.57	\$0.00	\$72.00
12/01/2023	\$46.58	\$9.10	\$17.57	\$0.00	\$73.25

For apprentice rates see "Apprentice- LABORER"

DEMO: BURNERS

LABORERS - ZONE 2

12/01/2021	\$42.08	\$9.10	\$17.57	\$0.00	\$68.75
06/01/2022	\$43.08	\$9.10	\$17.57	\$0.00	\$69.75
12/01/2022	\$44.08	\$9.10	\$17.57	\$0.00	\$70.75
06/01/2023	\$45.08	\$9.10	\$17.57	\$0.00	\$71.75
12/01/2023	\$46.33	\$9.10	\$17.57	\$0.00	\$73.00

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: CONCRETE CUTTER/SAWYER <i>LABORERS - ZONE 2</i>	12/01/2021	\$42.33	\$9.10	\$17.57	\$0.00	\$69.00
	06/01/2022	\$43.33	\$9.10	\$17.57	\$0.00	\$70.00
	12/01/2022	\$44.33	\$9.10	\$17.57	\$0.00	\$71.00
	06/01/2023	\$45.33	\$9.10	\$17.57	\$0.00	\$72.00
	12/01/2023	\$46.58	\$9.10	\$17.57	\$0.00	\$73.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: JACKHAMMER OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2021	\$42.08	\$9.10	\$17.57	\$0.00	\$68.75
	06/01/2022	\$43.08	\$9.10	\$17.57	\$0.00	\$69.75
	12/01/2022	\$44.08	\$9.10	\$17.57	\$0.00	\$70.75
	06/01/2023	\$45.08	\$9.10	\$17.57	\$0.00	\$71.75
	12/01/2023	\$46.33	\$9.10	\$17.57	\$0.00	\$73.00
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER <i>LABORERS - ZONE 2</i>	12/01/2021	\$41.33	\$9.10	\$17.57	\$0.00	\$68.00
	06/01/2022	\$42.33	\$9.10	\$17.57	\$0.00	\$69.00
	12/01/2022	\$43.33	\$9.10	\$17.57	\$0.00	\$70.00
	06/01/2023	\$44.33	\$9.10	\$17.57	\$0.00	\$71.00
	12/01/2023	\$45.58	\$9.10	\$17.57	\$0.00	\$72.25
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$68.70	\$9.40	\$23.12	\$0.00	\$101.22
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$49.07	\$9.40	\$23.12	\$0.00	\$81.59
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER TENDER (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$73.60	\$9.40	\$23.12	\$0.00	\$106.12
For apprentice rates see "Apprentice- PILE DRIVER"						
DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i>	08/01/2020	\$103.05	\$9.40	\$23.12	\$0.00	\$135.57
For apprentice rates see "Apprentice- PILE DRIVER"						
DRAWBRIDGE OPERATOR (Construction) <i>DRAWBRIDGE - SEIU LOCAL 888</i>	07/01/2020	\$26.77	\$6.67	\$3.93	\$0.16	\$37.53
ELECTRICIAN <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$43.66	\$10.90	\$14.66	\$0.00	\$69.22

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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Apprentice - ELECTRICIAN - Local 223

Effective Date - 09/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.46	\$10.90	\$0.52	\$0.00	\$28.88
2	45	\$19.65	\$10.90	\$0.59	\$0.00	\$31.14
3	50	\$21.83	\$10.90	\$0.65	\$0.00	\$33.38
4	55	\$24.01	\$10.90	\$6.28	\$0.00	\$41.19
5	60	\$26.20	\$10.90	\$6.77	\$0.00	\$43.87
6	65	\$28.38	\$10.90	\$7.24	\$0.00	\$46.52
7	70	\$30.56	\$10.90	\$7.73	\$0.00	\$49.19
8	75	\$32.75	\$10.90	\$8.21	\$0.00	\$51.86

Notes:

Apprentice to Journeyworker Ratio:2:3***

ELEVATOR CONSTRUCTOR	01/01/2021	\$63.47	\$15.88	\$19.31	\$0.00	\$98.66
ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2022	\$65.62	\$16.03	\$20.21	\$0.00	\$101.86

Apprentice - ELEVATOR CONSTRUCTOR - Local 4

Effective Date - 01/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$31.74	\$15.88	\$0.00	\$0.00	\$47.62
2	55	\$34.91	\$15.88	\$19.31	\$0.00	\$70.10
3	65	\$41.26	\$15.88	\$19.31	\$0.00	\$76.45
4	70	\$44.43	\$15.88	\$19.31	\$0.00	\$79.62
5	80	\$50.78	\$15.88	\$19.31	\$0.00	\$85.97

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$32.81	\$16.03	\$0.00	\$0.00	\$48.84
2	55	\$36.09	\$16.03	\$20.21	\$0.00	\$72.33
3	65	\$42.65	\$16.03	\$20.21	\$0.00	\$78.89
4	70	\$45.93	\$16.03	\$20.21	\$0.00	\$82.17
5	80	\$52.50	\$16.03	\$20.21	\$0.00	\$88.74

Notes:

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

Apprentice to Journeyworker Ratio:1:1

ELEVATOR CONSTRUCTOR HELPER	01/01/2021	\$44.43	\$15.88	\$19.31	\$0.00	\$79.62
ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2022	\$45.93	\$16.03	\$20.21	\$0.00	\$82.17

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY)	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
LABORERS - ZONE 2 (HEAVY & HIGHWAY)						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2021	\$46.53	\$13.75	\$15.80	\$0.00	\$76.08
	05/01/2022	\$47.86	\$13.75	\$15.80	\$0.00	\$77.41
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2021	\$48.06	\$13.75	\$15.80	\$0.00	\$77.61
	05/01/2022	\$49.22	\$13.75	\$15.80	\$0.00	\$78.77
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i>	11/01/2021	\$23.16	\$13.75	\$15.80	\$0.00	\$52.71
	05/01/2022	\$23.83	\$13.75	\$15.80	\$0.00	\$53.38
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$43.66	\$10.90	\$14.66	\$0.00	\$69.22
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$36.86	\$10.90	\$12.45	\$0.00	\$60.21
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$41.76	\$14.00	\$16.05	\$0.00	\$71.81
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$24.50	\$9.10	\$16.64	\$0.00	\$50.24
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE 1</i>	09/01/2021	\$49.38	\$8.58	\$20.12	\$0.00	\$78.08
	03/01/2022	\$50.18	\$8.58	\$20.12	\$0.00	\$78.88

Classification
Effective Date
Base Wage
Health
Pension
**Supplemental
Unemployment**
Total Rate
Apprentice - FLOORCOVERER - Local 2168 Zone I
Effective Date - 09/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.69	\$8.58	\$1.79	\$0.00	\$35.06
2	55	\$27.16	\$8.58	\$1.79	\$0.00	\$37.53
3	60	\$29.63	\$8.58	\$14.75	\$0.00	\$52.96
4	65	\$32.10	\$8.58	\$14.75	\$0.00	\$55.43
5	70	\$34.57	\$8.58	\$16.54	\$0.00	\$59.69
6	75	\$37.04	\$8.58	\$16.54	\$0.00	\$62.16
7	80	\$39.50	\$8.58	\$18.33	\$0.00	\$66.41
8	85	\$41.97	\$8.58	\$18.33	\$0.00	\$68.88

Effective Date - 03/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$25.09	\$8.58	\$1.79	\$0.00	\$35.46
2	55	\$27.60	\$8.58	\$1.79	\$0.00	\$37.97
3	60	\$30.11	\$8.58	\$14.75	\$0.00	\$53.44
4	65	\$32.62	\$8.58	\$14.75	\$0.00	\$55.95
5	70	\$35.13	\$8.58	\$16.54	\$0.00	\$60.25
6	75	\$37.64	\$8.58	\$16.54	\$0.00	\$62.76
7	80	\$40.14	\$8.58	\$18.33	\$0.00	\$67.05
8	85	\$42.65	\$8.58	\$18.33	\$0.00	\$69.56

Notes: Steps are 750 hrs.
 % After 10/1/17; 45/45/55/55/70/70/80/80 (1500hr Steps)
 Step 1&2 \$32.59/ 3&4 \$39.26/ 5&6 \$59.69/ 7&8 \$66.41

Apprentice to Journeyworker Ratio:1:1

FORK LIFT/CHERRY PICKER OPERATING ENGINEERS LOCAL 4	12/01/2021	\$51.38	\$14.00	\$16.05	\$0.00	\$81.43
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS OPERATING ENGINEERS LOCAL 4	12/01/2021	\$33.69	\$14.00	\$16.05	\$0.00	\$63.74
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) GLAZIERS LOCAL 1333	06/01/2020	\$39.18	\$10.80	\$10.45	\$0.00	\$60.43
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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Apprentice - GLAZIER - Local 1333

Effective Date - 06/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.59	\$10.80	\$1.80	\$0.00	\$32.19
2	56	\$22.04	\$10.80	\$1.80	\$0.00	\$34.64
3	63	\$24.49	\$10.80	\$2.45	\$0.00	\$37.74
4	69	\$26.94	\$10.80	\$2.45	\$0.00	\$40.19
5	75	\$29.39	\$10.80	\$3.15	\$0.00	\$43.34
6	81	\$31.83	\$10.80	\$3.15	\$0.00	\$45.78
7	88	\$34.28	\$10.80	\$10.45	\$0.00	\$55.53
8	94	\$36.73	\$10.80	\$10.45	\$0.00	\$57.98

Notes:

Apprentice to Journeyworker Ratio:1:3

HOISTING ENGINEER/CRANES/GRADALLS	12/01/2021	\$51.38	\$14.00	\$16.05	\$0.00	\$81.43
OPERATING ENGINEERS LOCAL 4						

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$28.26	\$14.00	\$0.00	\$0.00	\$42.26
2	60	\$30.83	\$14.00	\$16.05	\$0.00	\$60.88
3	65	\$33.40	\$14.00	\$16.05	\$0.00	\$63.45
4	70	\$35.97	\$14.00	\$16.05	\$0.00	\$66.02
5	75	\$38.54	\$14.00	\$16.05	\$0.00	\$68.59
6	80	\$41.10	\$14.00	\$16.05	\$0.00	\$71.15
7	85	\$43.67	\$14.00	\$16.05	\$0.00	\$73.72
8	90	\$46.24	\$14.00	\$16.05	\$0.00	\$76.29

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK)	10/01/2021	\$37.91	\$13.65	\$17.15	\$2.06	\$70.77
SHEETMETAL WORKERS LOCAL 17 - B						
	04/01/2022	\$38.91	\$13.65	\$17.15	\$2.09	\$71.80

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS)	09/01/2020	\$43.66	\$10.90	\$14.66	\$0.00	\$69.22
ELECTRICIANS LOCAL 223						

For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR)	10/01/2021	\$37.91	\$13.65	\$17.15	\$2.06	\$70.77
SHEETMETAL WORKERS LOCAL 17 - B						
	04/01/2022	\$38.91	\$13.65	\$17.15	\$2.09	\$71.80

For apprentice rates see "Apprentice- SHEET METAL WORKER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HVAC (TESTING AND BALANCING -WATER) <i>PLUMBERS & PIPEFITTERS LOCAL 51</i>	08/30/2021	\$46.49	\$10.15	\$19.95	\$0.00	\$76.59
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PLUMBERS & PIPEFITTERS LOCAL 51</i>	08/30/2021	\$46.49	\$10.15	\$19.95	\$0.00	\$76.59
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS <i>LABORERS - ZONE 2</i>	12/01/2021	\$36.16	\$9.10	\$16.64	\$0.00	\$61.90
	06/01/2022	\$37.06	\$9.10	\$16.64	\$0.00	\$62.80
	12/01/2022	\$37.91	\$9.10	\$16.64	\$0.00	\$63.65
	06/01/2023	\$38.81	\$9.10	\$16.64	\$0.00	\$64.55
	12/01/2023	\$39.71	\$9.10	\$16.64	\$0.00	\$65.45
For apprentice rates see "Apprentice- LABORER"						
HYDRAULIC DRILLS (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$36.16	\$9.10	\$16.64	\$0.00	\$61.90
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (SOUTHERN MASS)</i>	09/01/2021	\$46.50	\$13.80	\$17.14	\$0.00	\$77.44
	09/01/2022	\$48.95	\$13.80	\$17.14	\$0.00	\$79.89

Apprentice - ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Southern MA

Effective Date - 09/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.25	\$13.80	\$12.42	\$0.00	\$49.47
2	60	\$27.90	\$13.80	\$13.36	\$0.00	\$55.06
3	70	\$32.55	\$13.80	\$14.31	\$0.00	\$60.66
4	80	\$37.20	\$13.80	\$15.25	\$0.00	\$66.25

Effective Date - 09/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.48	\$13.80	\$12.42	\$0.00	\$50.70
2	60	\$29.37	\$13.80	\$13.36	\$0.00	\$56.53
3	70	\$34.27	\$13.80	\$14.31	\$0.00	\$62.38
4	80	\$39.16	\$13.80	\$15.25	\$0.00	\$68.21

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

IRONWORKER/WELDER <i>IRONWORKERS LOCAL 37</i>	03/16/2021	\$42.46	\$7.70	\$17.10	\$0.00	\$67.26
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Classification
Effective Date
Base Wage
Health
Pension
**Supplemental
Unemployment**
Total Rate
Apprentice - IRONWORKER - Local 37
Effective Date - 03/16/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	70	\$29.72	\$7.70	\$17.10	\$0.00	\$54.52
2	75	\$31.85	\$7.70	\$17.10	\$0.00	\$56.65
3	80	\$33.97	\$7.70	\$17.10	\$0.00	\$58.77
4	85	\$36.09	\$7.70	\$17.10	\$0.00	\$60.89
5	90	\$38.21	\$7.70	\$17.10	\$0.00	\$63.01
6	95	\$40.34	\$7.70	\$17.10	\$0.00	\$65.14

Notes:
Apprentice to Journeyworker Ratio:1:4
JACKHAMMER & PAVING BREAKER OPERATOR
LABORERS - ZONE 2

12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95

For apprentice rates see "Apprentice- LABORER"

LABORER
LABORERS - ZONE 2

12/01/2021	\$35.41	\$9.10	\$16.64	\$0.00	\$61.15
06/01/2022	\$36.31	\$9.10	\$16.64	\$0.00	\$62.05
12/01/2022	\$37.16	\$9.10	\$16.64	\$0.00	\$62.90
06/01/2023	\$38.06	\$9.10	\$16.64	\$0.00	\$63.80
12/01/2023	\$38.96	\$9.10	\$16.64	\$0.00	\$64.70

Apprentice - LABORER - Zone 2
Effective Date - 12/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$21.25	\$9.10	\$16.64	\$0.00	\$46.99
2	70	\$24.79	\$9.10	\$16.64	\$0.00	\$50.53
3	80	\$28.33	\$9.10	\$16.64	\$0.00	\$54.07
4	90	\$31.87	\$9.10	\$16.64	\$0.00	\$57.61

Effective Date - 06/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$21.79	\$9.10	\$16.64	\$0.00	\$47.53
2	70	\$25.42	\$9.10	\$16.64	\$0.00	\$51.16
3	80	\$29.05	\$9.10	\$16.64	\$0.00	\$54.79
4	90	\$32.68	\$9.10	\$16.64	\$0.00	\$58.42

Notes:
Apprentice to Journeyworker Ratio:1:5

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate																																			
LABORER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$35.41	\$9.10	\$16.64	\$0.00	\$61.15																																			
Apprentice - LABORER (Heavy & Highway) - Zone 2 Effective Date - 12/01/2021 <table> <tr> <th>Step</th><th>percent</th><th>Apprentice Base Wage</th><th>Health</th><th>Pension</th><th>Supplemental Unemployment</th><th>Total Rate</th></tr> <tr> <td>1</td><td>60</td><td>\$21.25</td><td>\$9.10</td><td>\$16.64</td><td>\$0.00</td><td>\$46.99</td></tr> <tr> <td>2</td><td>70</td><td>\$24.79</td><td>\$9.10</td><td>\$16.64</td><td>\$0.00</td><td>\$50.53</td></tr> <tr> <td>3</td><td>80</td><td>\$28.33</td><td>\$9.10</td><td>\$16.64</td><td>\$0.00</td><td>\$54.07</td></tr> <tr> <td>4</td><td>90</td><td>\$31.87</td><td>\$9.10</td><td>\$16.64</td><td>\$0.00</td><td>\$57.61</td></tr> </table> <div> Notes: </div> Apprentice to Journeyworker Ratio:1:5							Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate	1	60	\$21.25	\$9.10	\$16.64	\$0.00	\$46.99	2	70	\$24.79	\$9.10	\$16.64	\$0.00	\$50.53	3	80	\$28.33	\$9.10	\$16.64	\$0.00	\$54.07	4	90	\$31.87	\$9.10	\$16.64	\$0.00	\$57.61
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate																																			
1	60	\$21.25	\$9.10	\$16.64	\$0.00	\$46.99																																			
2	70	\$24.79	\$9.10	\$16.64	\$0.00	\$50.53																																			
3	80	\$28.33	\$9.10	\$16.64	\$0.00	\$54.07																																			
4	90	\$31.87	\$9.10	\$16.64	\$0.00	\$57.61																																			
LABORER: CARPENTER TENDER <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.41	\$9.10	\$16.64	\$0.00	\$61.15																																			
	06/01/2022	\$36.31	\$9.10	\$16.64	\$0.00	\$62.05																																			
	12/01/2022	\$37.16	\$9.10	\$16.64	\$0.00	\$62.90																																			
	06/01/2023	\$38.06	\$9.10	\$16.64	\$0.00	\$63.80																																			
	12/01/2023	\$38.96	\$9.10	\$16.64	\$0.00	\$64.70																																			
For apprentice rates see "Apprentice- LABORER"																																									
LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.41	\$9.10	\$16.64	\$0.00	\$61.15																																			
	06/01/2022	\$36.31	\$9.10	\$16.64	\$0.00	\$62.05																																			
	12/01/2022	\$37.16	\$9.10	\$16.64	\$0.00	\$62.90																																			
	06/01/2023	\$38.06	\$9.10	\$16.64	\$0.00	\$63.80																																			
	12/01/2023	\$38.96	\$9.10	\$16.64	\$0.00	\$64.70																																			
For apprentice rates see "Apprentice- LABORER"																																									
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.50	\$9.10	\$16.70	\$0.00	\$61.30																																			
	06/01/2022	\$36.40	\$9.10	\$16.70	\$0.00	\$62.20																																			
	12/01/2022	\$37.25	\$9.10	\$16.70	\$0.00	\$63.05																																			
	06/01/2023	\$38.15	\$9.10	\$16.70	\$0.00	\$63.95																																			
	12/01/2023	\$39.05	\$9.10	\$16.70	\$0.00	\$64.85																																			
For apprentice rates see "Apprentice- LABORER"																																									
LABORER: MASON TENDER <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40																																			
	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30																																			
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15																																			
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05																																			
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95																																			
For apprentice rates see "Apprentice- LABORER"																																									
LABORER: MASON TENDER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40																																			
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"																																									
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.41	\$9.10	\$16.64	\$0.00	\$61.15																																			
	06/01/2022	\$36.31	\$9.10	\$16.64	\$0.00	\$62.05																																			
	12/01/2022	\$37.16	\$9.10	\$16.64	\$0.00	\$62.90																																			
	06/01/2023	\$38.06	\$9.10	\$16.64	\$0.00	\$63.80																																			
	12/01/2023	\$38.96	\$9.10	\$16.64	\$0.00	\$64.70																																			

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER	12/01/2021	\$35.41	\$9.10	\$16.64	\$0.00	\$61.15
LABORERS - ZONE 2	06/01/2022	\$36.31	\$9.10	\$16.64	\$0.00	\$62.05
	12/01/2022	\$37.16	\$9.10	\$16.64	\$0.00	\$62.90
	06/01/2023	\$38.06	\$9.10	\$16.64	\$0.00	\$63.80
	12/01/2023	\$38.96	\$9.10	\$16.64	\$0.00	\$64.70
This classification applies to the removal of standing trees, and the trimming and removal of branches and limbs when related to public works construction or site clearance incidental to construction . For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
LABORERS - ZONE 2	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR (HEAVY & HIGHWAY)	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
LABORERS - ZONE 2 (HEAVY & HIGHWAY)						
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
MARBLE & TILE FINISHERS	08/01/2021	\$43.69	\$11.39	\$20.30	\$0.00	\$75.38
BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2022	\$44.16	\$11.39	\$20.30	\$0.00	\$75.85

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

Effective Date - 08/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.85	\$11.39	\$20.30	\$0.00	\$53.54
2	60	\$26.21	\$11.39	\$20.30	\$0.00	\$57.90
3	70	\$30.58	\$11.39	\$20.30	\$0.00	\$62.27
4	80	\$34.95	\$11.39	\$20.30	\$0.00	\$66.64
5	90	\$39.32	\$11.39	\$20.30	\$0.00	\$71.01

Effective Date - 02/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.08	\$11.39	\$20.30	\$0.00	\$53.77
2	60	\$26.50	\$11.39	\$20.30	\$0.00	\$58.19
3	70	\$30.91	\$11.39	\$20.30	\$0.00	\$62.60
4	80	\$35.33	\$11.39	\$20.30	\$0.00	\$67.02
5	90	\$39.74	\$11.39	\$20.30	\$0.00	\$71.43

Notes:

Apprentice to Journeyworker Ratio:1:3

MARBLE MASONS,TILELAYERS & TERRAZZO MECH	08/01/2021	\$57.17	\$11.39	\$22.24	\$0.00	\$90.80
BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2022	\$57.74	\$11.39	\$22.24	\$0.00	\$91.37

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

Effective Date - 08/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.59	\$11.39	\$22.24	\$0.00	\$62.22
2	60	\$34.30	\$11.39	\$22.24	\$0.00	\$67.93
3	70	\$40.02	\$11.39	\$22.24	\$0.00	\$73.65
4	80	\$45.74	\$11.39	\$22.24	\$0.00	\$79.37
5	90	\$51.45	\$11.39	\$22.24	\$0.00	\$85.08

Effective Date - 02/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.87	\$11.39	\$22.24	\$0.00	\$62.50
2	60	\$34.64	\$11.39	\$22.24	\$0.00	\$68.27
3	70	\$40.42	\$11.39	\$22.24	\$0.00	\$74.05
4	80	\$46.19	\$11.39	\$22.24	\$0.00	\$79.82
5	90	\$51.97	\$11.39	\$22.24	\$0.00	\$85.60

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES) OPERATING ENGINEERS LOCAL 4	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MECHANICS MAINTENANCE OPERATING ENGINEERS LOCAL 4	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MILLWRIGHT (Zone 2) MILLWRIGHTS LOCAL 1121 - Zone 2	03/01/2021	\$39.42	\$8.58	\$21.57	\$0.00	\$69.57
	01/03/2022	\$40.67	\$8.58	\$21.57	\$0.00	\$70.82
	01/02/2023	\$41.92	\$8.58	\$21.57	\$0.00	\$72.07

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate	
Apprentice - MILLWRIGHT - Local 1121 Zone 2							
Effective Date - 03/01/2021							
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate	
1	55	\$21.68	\$8.58	\$5.72	\$0.00	\$35.98	
2	65	\$25.62	\$8.58	\$17.93	\$0.00	\$52.13	
3	75	\$29.57	\$8.58	\$18.98	\$0.00	\$57.13	
4	85	\$33.51	\$8.58	\$20.01	\$0.00	\$62.10	
Effective Date - 01/03/2022							
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate	
1	55	\$22.37	\$8.58	\$5.72	\$0.00	\$36.67	
2	65	\$26.44	\$8.58	\$17.93	\$0.00	\$52.95	
3	75	\$30.50	\$8.58	\$18.98	\$0.00	\$58.06	
4	85	\$34.57	\$8.58	\$20.01	\$0.00	\$63.16	
<div>Notes: Step 1&2 Appr. indentured after 1/6/2020 receive no pension, but do receive annuity. (Step 1 \$5.72, Step 2 \$6.66) Steps are 2,000 hours</div>							
Apprentice to Journeyworker Ratio:1:5							
MORTAR MIXER		12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
LABORERS - ZONE 2		06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
		12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
		06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
		12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"							
OILER (OTHER THAN TRUCK CRANES,GRADALLS)		12/01/2021	\$23.48	\$14.00	\$16.05	\$0.00	\$53.53
OPERATING ENGINEERS LOCAL 4							
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
OILER (TRUCK CRANES, GRADALLS)		12/01/2021	\$28.44	\$14.00	\$16.05	\$0.00	\$58.49
OPERATING ENGINEERS LOCAL 4							
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
OTHER POWER DRIVEN EQUIPMENT - CLASS II		12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
OPERATING ENGINEERS LOCAL 4							
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
PAINTER (BRIDGES/TANKS)		07/01/2021	\$52.86	\$8.45	\$22.90	\$0.00	\$84.21
PAINTERS LOCAL 35 - ZONE 2		01/01/2022	\$53.66	\$8.65	\$23.05	\$0.00	\$85.36
		07/01/2022	\$54.86	\$8.65	\$23.05	\$0.00	\$86.56
		01/01/2023	\$56.06	\$8.65	\$23.05	\$0.00	\$87.76
		07/01/2023	\$57.26	\$8.65	\$23.05	\$0.00	\$88.96
		01/01/2024	\$58.46	\$8.65	\$23.05	\$0.00	\$90.16
		07/01/2024	\$59.66	\$8.65	\$23.05	\$0.00	\$91.36
		01/01/2025	\$60.86	\$8.65	\$23.05	\$0.00	\$92.56

Classification
Effective Date
Base Wage
Health
Pension
**Supplemental
Unemployment**
Total Rate
Apprentice - PAINTER Local 35 - BRIDGES/TANKS
Effective Date - 07/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.43	\$8.45	\$0.00	\$0.00	\$34.88
2	55	\$29.07	\$8.45	\$6.22	\$0.00	\$43.74
3	60	\$31.72	\$8.45	\$6.78	\$0.00	\$46.95
4	65	\$34.36	\$8.45	\$7.35	\$0.00	\$50.16
5	70	\$37.00	\$8.45	\$19.51	\$0.00	\$64.96
6	75	\$39.65	\$8.45	\$20.08	\$0.00	\$68.18
7	80	\$42.29	\$8.45	\$20.64	\$0.00	\$71.38
8	90	\$47.57	\$8.45	\$21.77	\$0.00	\$77.79

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.83	\$8.65	\$0.00	\$0.00	\$35.48
2	55	\$29.51	\$8.65	\$6.27	\$0.00	\$44.43
3	60	\$32.20	\$8.65	\$6.84	\$0.00	\$47.69
4	65	\$34.88	\$8.65	\$7.41	\$0.00	\$50.94
5	70	\$37.56	\$8.65	\$19.63	\$0.00	\$65.84
6	75	\$40.25	\$8.65	\$20.20	\$0.00	\$69.10
7	80	\$42.93	\$8.65	\$20.77	\$0.00	\$72.35
8	90	\$48.29	\$8.65	\$21.91	\$0.00	\$78.85

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, NEW) *

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

07/01/2021	\$43.76	\$8.45	\$22.90	\$0.00	\$75.11
01/01/2022	\$44.56	\$8.65	\$23.05	\$0.00	\$76.26
07/01/2022	\$45.76	\$8.65	\$23.05	\$0.00	\$77.46
01/01/2023	\$46.96	\$8.65	\$23.05	\$0.00	\$78.66
07/01/2023	\$48.16	\$8.65	\$23.05	\$0.00	\$79.86
01/01/2024	\$49.36	\$8.65	\$23.05	\$0.00	\$81.06
07/01/2024	\$50.56	\$8.65	\$23.05	\$0.00	\$82.26
01/01/2025	\$51.76	\$8.65	\$23.05	\$0.00	\$83.46

Classification

**Effective Date Base Wage Health Pension Supplemental
Unemployment Total Rate**

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

Effective Date - 07/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.88	\$8.45	\$0.00	\$0.00	\$30.33
2	55	\$24.07	\$8.45	\$6.22	\$0.00	\$38.74
3	60	\$26.26	\$8.45	\$6.78	\$0.00	\$41.49
4	65	\$28.44	\$8.45	\$7.35	\$0.00	\$44.24
5	70	\$30.63	\$8.45	\$19.51	\$0.00	\$58.59
6	75	\$32.82	\$8.45	\$20.08	\$0.00	\$61.35
7	80	\$35.01	\$8.45	\$20.64	\$0.00	\$64.10
8	90	\$39.38	\$8.45	\$21.77	\$0.00	\$69.60

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.28	\$8.65	\$0.00	\$0.00	\$30.93
2	55	\$24.51	\$8.65	\$6.27	\$0.00	\$39.43
3	60	\$26.74	\$8.65	\$6.84	\$0.00	\$42.23
4	65	\$28.96	\$8.65	\$19.06	\$0.00	\$56.67
5	70	\$31.19	\$8.65	\$19.63	\$0.00	\$59.47
6	75	\$33.42	\$8.65	\$20.20	\$0.00	\$62.27
7	80	\$35.65	\$8.65	\$20.77	\$0.00	\$65.07
8	90	\$40.10	\$8.65	\$21.91	\$0.00	\$70.66

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT)	07/01/2021	\$41.82	\$8.45	\$22.90	\$0.00	\$73.17
PAINTERS LOCAL 35 - ZONE 2	01/01/2022	\$42.62	\$8.65	\$23.05	\$0.00	\$74.32
	07/01/2022	\$43.82	\$8.65	\$23.05	\$0.00	\$75.52
	01/01/2023	\$45.02	\$8.65	\$23.05	\$0.00	\$76.72
	07/01/2023	\$46.22	\$8.65	\$23.05	\$0.00	\$77.92
	01/01/2024	\$47.42	\$8.65	\$23.05	\$0.00	\$79.12
	07/01/2024	\$48.62	\$8.65	\$23.05	\$0.00	\$80.32
	01/01/2025	\$49.82	\$8.65	\$23.05	\$0.00	\$81.52

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint**Effective Date - 07/01/2021**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.91	\$8.45	\$0.00	\$0.00	\$29.36
2	55	\$23.00	\$8.45	\$6.22	\$0.00	\$37.67
3	60	\$25.09	\$8.45	\$6.78	\$0.00	\$40.32
4	65	\$27.18	\$8.45	\$7.35	\$0.00	\$42.98
5	70	\$29.27	\$8.45	\$19.51	\$0.00	\$57.23
6	75	\$31.37	\$8.45	\$20.08	\$0.00	\$59.90
7	80	\$33.46	\$8.45	\$20.64	\$0.00	\$62.55
8	90	\$37.64	\$8.45	\$21.77	\$0.00	\$67.86

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.31	\$8.65	\$0.00	\$0.00	\$29.96
2	55	\$23.44	\$8.65	\$6.27	\$0.00	\$38.36
3	60	\$25.57	\$8.65	\$6.84	\$0.00	\$41.06
4	65	\$27.70	\$8.65	\$7.41	\$0.00	\$43.76
5	70	\$29.83	\$8.65	\$19.63	\$0.00	\$58.11
6	75	\$31.97	\$8.65	\$20.20	\$0.00	\$60.82
7	80	\$34.10	\$8.65	\$20.77	\$0.00	\$63.52
8	90	\$38.36	\$8.65	\$21.91	\$0.00	\$68.92

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, NEW) *

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

07/01/2021	\$42.36	\$8.45	\$22.90	\$0.00	\$73.71
01/01/2022	\$43.16	\$8.65	\$23.05	\$0.00	\$74.86
07/01/2022	\$44.36	\$8.65	\$23.05	\$0.00	\$76.06
01/01/2023	\$45.56	\$8.65	\$23.05	\$0.00	\$77.26
07/01/2023	\$46.76	\$8.65	\$23.05	\$0.00	\$78.46
01/01/2024	\$47.96	\$8.65	\$23.05	\$0.00	\$79.66
07/01/2024	\$49.16	\$8.65	\$23.05	\$0.00	\$80.86
01/01/2025	\$50.36	\$8.65	\$23.05	\$0.00	\$82.06

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW**Effective Date - 07/01/2021**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.18	\$8.45	\$0.00	\$0.00	\$29.63
2	55	\$23.30	\$8.45	\$6.22	\$0.00	\$37.97
3	60	\$25.42	\$8.45	\$6.78	\$0.00	\$40.65
4	65	\$27.53	\$8.45	\$7.35	\$0.00	\$43.33
5	70	\$29.65	\$8.45	\$19.51	\$0.00	\$57.61
6	75	\$31.77	\$8.45	\$20.08	\$0.00	\$60.30
7	80	\$33.89	\$8.45	\$20.64	\$0.00	\$62.98
8	90	\$38.12	\$8.45	\$21.77	\$0.00	\$68.34

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.58	\$8.65	\$0.00	\$0.00	\$30.23
2	55	\$23.74	\$8.65	\$6.27	\$0.00	\$38.66
3	60	\$25.90	\$8.65	\$6.84	\$0.00	\$41.39
4	65	\$28.05	\$8.65	\$7.41	\$0.00	\$44.11
5	70	\$30.21	\$8.65	\$19.63	\$0.00	\$58.49
6	75	\$32.37	\$8.65	\$20.20	\$0.00	\$61.22
7	80	\$34.53	\$8.65	\$20.77	\$0.00	\$63.95
8	90	\$38.84	\$8.65	\$21.91	\$0.00	\$69.40

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT)

PAINTERS LOCAL 35 - ZONE 2

07/01/2021	\$40.42	\$8.45	\$22.90	\$0.00	\$71.77
01/01/2022	\$41.22	\$8.65	\$23.05	\$0.00	\$72.92
07/01/2022	\$42.42	\$8.65	\$23.05	\$0.00	\$74.12
01/01/2023	\$43.62	\$8.65	\$23.05	\$0.00	\$75.32
07/01/2023	\$44.82	\$8.65	\$23.05	\$0.00	\$76.52
01/01/2024	\$46.02	\$8.65	\$23.05	\$0.00	\$77.72
07/01/2024	\$47.22	\$8.65	\$23.05	\$0.00	\$78.92
01/01/2025	\$48.42	\$8.65	\$23.05	\$0.00	\$80.12

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 07/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.21	\$8.45	\$0.00	\$0.00	\$28.66
2	55	\$22.23	\$8.45	\$6.22	\$0.00	\$36.90
3	60	\$24.25	\$8.45	\$6.78	\$0.00	\$39.48
4	65	\$26.27	\$8.45	\$7.35	\$0.00	\$42.07
5	70	\$28.29	\$8.45	\$19.51	\$0.00	\$56.25
6	75	\$30.32	\$8.45	\$20.08	\$0.00	\$58.85
7	80	\$32.34	\$8.45	\$20.64	\$0.00	\$61.43
8	90	\$36.38	\$8.45	\$21.77	\$0.00	\$66.60

Effective Date - 01/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.61	\$8.65	\$0.00	\$0.00	\$29.26
2	55	\$22.67	\$8.65	\$6.27	\$0.00	\$37.59
3	60	\$24.73	\$8.65	\$6.84	\$0.00	\$40.22
4	65	\$26.79	\$8.65	\$7.41	\$0.00	\$42.85
5	70	\$28.85	\$8.65	\$19.63	\$0.00	\$57.13
6	75	\$30.92	\$8.65	\$20.20	\$0.00	\$59.77
7	80	\$32.98	\$8.65	\$20.77	\$0.00	\$62.40
8	90	\$37.10	\$8.65	\$21.91	\$0.00	\$67.66

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY) LABORERS - ZONE 2 (HEAVY & HIGHWAY)	12/01/2021	\$35.41	\$9.10	\$16.64	\$0.00	\$61.15
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)						
PANEL & PICKUP TRUCKS DRIVER TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2021	\$35.78	\$13.41	\$16.01	\$0.00	\$65.20
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) PILE DRIVER LOCAL 56 (ZONE 2)	08/01/2020	\$46.11	\$9.40	\$23.12	\$0.00	\$78.63
For apprentice rates see "Apprentice- PILE DRIVER"						
PILE DRIVER PILE DRIVER LOCAL 56 (ZONE 2)	08/01/2020	\$46.11	\$9.40	\$23.12	\$0.00	\$78.63

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
POWDERMAN & BLASTER <i>LABORERS - ZONE 2</i>	12/01/2021	\$36.41	\$9.10	\$16.64	\$0.00	\$62.15
	06/01/2022	\$37.31	\$9.10	\$16.64	\$0.00	\$63.05
	12/01/2022	\$38.16	\$9.10	\$16.64	\$0.00	\$63.90
	06/01/2023	\$39.06	\$9.10	\$16.64	\$0.00	\$64.80
	12/01/2023	\$39.96	\$9.10	\$16.64	\$0.00	\$65.70
For apprentice rates see "Apprentice- LABORER"						
POWDERMAN & BLASTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$36.41	\$9.10	\$16.64	\$0.00	\$62.15
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$51.38	\$14.00	\$16.05	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$51.38	\$14.00	\$16.05	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$33.69	\$14.00	\$16.05	\$0.00	\$63.74
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY-MIX CONCRETE DRIVER <i>TEAMSTERS 170 - Dauphinais (Bellingham)</i>	12/01/2021	\$25.75	\$9.76	\$4.00	\$0.00	\$39.51
	01/01/2022	\$25.75	\$9.76	\$4.00	\$0.00	\$39.51
	12/01/2022	\$26.40	\$10.26	\$4.75	\$0.00	\$41.41
	01/01/2023	\$26.40	\$10.26	\$4.75	\$0.00	\$41.41
	12/01/2023	\$27.00	\$10.76	\$5.45	\$0.00	\$43.21
	01/01/2024	\$27.00	\$10.76	\$5.45	\$0.00	\$43.21
	12/01/2024	\$27.60	\$11.26	\$6.15	\$0.00	\$45.01
	01/01/2025	\$27.60	\$11.26	\$6.15	\$0.00	\$45.01
RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg) <i>ROOFERS LOCAL 33</i>	08/01/2021	\$47.03	\$12.28	\$18.15	\$0.00	\$77.46
	02/01/2022	\$48.46	\$12.28	\$18.15	\$0.00	\$78.89

Classification
Effective Date
Base Wage
Health
Pension
**Supplemental
Unemployment**
Total Rate
Apprentice - ROOFER - Local 33
Effective Date - 08/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.52	\$12.28	\$4.56	\$0.00	\$40.36
2	60	\$28.22	\$12.28	\$18.15	\$0.00	\$58.65
3	65	\$30.57	\$12.28	\$18.15	\$0.00	\$61.00
4	75	\$35.27	\$12.28	\$18.15	\$0.00	\$65.70
5	85	\$39.98	\$12.28	\$18.15	\$0.00	\$70.41

Effective Date - 02/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.23	\$12.28	\$4.56	\$0.00	\$41.07
2	60	\$29.08	\$12.28	\$18.15	\$0.00	\$59.51
3	65	\$31.50	\$12.28	\$18.15	\$0.00	\$61.93
4	75	\$36.35	\$12.28	\$18.15	\$0.00	\$66.78
5	85	\$41.19	\$12.28	\$18.15	\$0.00	\$71.62

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.
 (Hot Pitch Mechanics' receive \$1.00 hr. above ROOFER)

Apprentice to Journeyworker Ratio:**

ROOFER SLATE / TILE / PRECAST CONCRETE	08/01/2021	\$47.28	\$12.28	\$18.15	\$0.00	\$77.71
ROOFERS LOCAL 33	02/01/2022	\$48.71	\$12.28	\$18.15	\$0.00	\$79.14
For apprentice rates see "Apprentice- ROOFER"						
SHEETMETAL WORKER	10/01/2021	\$37.91	\$13.65	\$17.15	\$2.06	\$70.77
SHEETMETAL WORKERS LOCAL 17 - B	04/01/2022	\$38.91	\$13.65	\$17.15	\$2.09	\$71.80

Apprentice - SHEET METAL WORKER - Local 17-B**Effective Date -** 10/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$15.16	\$13.65	\$4.02	\$0.98	\$33.81
2	45	\$17.06	\$13.65	\$4.52	\$1.06	\$36.29
3	50	\$18.96	\$13.65	\$11.08	\$1.31	\$45.00
4	55	\$20.85	\$13.65	\$11.08	\$1.37	\$46.95
5	60	\$22.75	\$13.65	\$14.12	\$1.52	\$52.04
6	65	\$24.64	\$13.65	\$14.38	\$1.58	\$54.25
7	70	\$26.54	\$13.65	\$14.63	\$1.64	\$56.46
8	75	\$28.43	\$13.65	\$14.88	\$1.71	\$58.67
9	80	\$30.33	\$13.65	\$15.14	\$1.77	\$60.89
10	85	\$32.22	\$13.65	\$15.39	\$1.84	\$63.10

Effective Date - 04/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$15.56	\$13.65	\$4.02	\$1.00	\$34.23
2	45	\$17.51	\$13.65	\$4.52	\$1.07	\$36.75
3	50	\$19.46	\$13.65	\$11.08	\$1.33	\$45.52
4	55	\$21.40	\$13.65	\$11.08	\$1.38	\$47.51
5	60	\$23.35	\$13.65	\$14.12	\$1.53	\$52.65
6	65	\$25.29	\$13.65	\$14.38	\$1.60	\$54.92
7	70	\$27.24	\$13.65	\$14.63	\$1.67	\$57.19
8	75	\$29.18	\$13.65	\$14.88	\$1.73	\$59.44
9	80	\$31.13	\$13.65	\$15.14	\$1.80	\$61.72
10	85	\$33.07	\$13.65	\$15.39	\$1.86	\$63.97

Notes:**Apprentice to Journeyworker Ratio:1:3**

SPECIALIZED EARTH MOVING EQUIP < 35 TONS TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2021	\$36.24	\$13.41	\$16.01	\$0.00	\$65.66
SPECIALIZED EARTH MOVING EQUIP > 35 TONS TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2021	\$36.53	\$13.41	\$16.01	\$0.00	\$65.95
SPRINKLER FITTER SPRINKLER FITTERS LOCAL 550 - (Section B) Zone 2	03/01/2021	\$56.21	\$10.00	\$21.25	\$0.00	\$87.46

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

Effective Date - 03/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$19.67	\$10.00	\$11.99	\$0.00	\$41.66
2	40	\$22.48	\$10.00	\$12.70	\$0.00	\$45.18
3	45	\$25.29	\$10.00	\$13.41	\$0.00	\$48.70
4	50	\$28.11	\$10.00	\$14.13	\$0.00	\$52.24
5	55	\$30.92	\$10.00	\$14.84	\$0.00	\$55.76
6	60	\$33.73	\$10.00	\$15.55	\$0.00	\$59.28
7	65	\$36.54	\$10.00	\$16.26	\$0.00	\$62.80
8	70	\$39.35	\$10.00	\$16.98	\$0.00	\$66.33
9	75	\$42.16	\$10.00	\$17.69	\$0.00	\$69.85
10	80	\$44.97	\$10.00	\$18.40	\$0.00	\$73.37

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

Apprentice to Journeyworker Ratio:1:3

STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
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For apprentice rates see "Apprentice- OPERATING ENGINEERS"

TELECOMMUNICATION TECHNICIAN <i>ELECTRICIANS LOCAL 223</i>	09/01/2020	\$36.86	\$10.90	\$12.45	\$0.00	\$60.21
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Apprentice - TELECOMMUNICATION TECHNICIAN - Local 223

Effective Date - 09/01/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Notes: See Electrician Apprentice Wages

Telecom Apprentice Wages shall be the same as the Electrician Apprentice Wages

Apprentice to Journeyworker Ratio:2:3***

TERRAZZO FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i>	08/01/2021	\$56.09	\$11.39	\$22.25	\$0.00	\$89.73
	02/01/2022	\$56.68	\$11.39	\$22.25	\$0.00	\$90.32

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 08/01/2021

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.05	\$11.39	\$22.25	\$0.00	\$61.69
2	60	\$33.65	\$11.39	\$22.25	\$0.00	\$67.29
3	70	\$39.26	\$11.39	\$22.25	\$0.00	\$72.90
4	80	\$44.87	\$11.39	\$22.25	\$0.00	\$78.51
5	90	\$50.48	\$11.39	\$22.25	\$0.00	\$84.12

Effective Date - 02/01/2022

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$28.34	\$11.39	\$22.25	\$0.00	\$61.98
2	60	\$34.01	\$11.39	\$22.25	\$0.00	\$67.65
3	70	\$39.68	\$11.39	\$22.25	\$0.00	\$73.32
4	80	\$45.34	\$11.39	\$22.25	\$0.00	\$78.98
5	90	\$51.01	\$11.39	\$22.25	\$0.00	\$84.65

Notes:

Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2021	\$42.58	\$9.10	\$17.72	\$0.00	\$69.40
For apprentice rates see "Apprentice- LABORER"						
TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2021	\$41.30	\$9.10	\$17.72	\$0.00	\$68.12
For apprentice rates see "Apprentice- LABORER"						
TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	12/01/2021	\$41.18	\$9.10	\$17.72	\$0.00	\$68.00
For apprentice rates see "Apprentice- LABORER"						
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$50.83	\$14.00	\$16.05	\$0.00	\$80.88
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2021	\$36.82	\$13.41	\$16.01	\$0.00	\$66.24
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	12/01/2021	\$53.41	\$9.10	\$18.17	\$0.00	\$80.68
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	12/01/2021	\$55.41	\$9.10	\$18.17	\$0.00	\$82.68
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2021	\$45.48	\$9.10	\$18.17	\$0.00	\$72.75
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i>	12/01/2021	\$47.48	\$9.10	\$18.17	\$0.00	\$74.75
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	12/01/2021	\$36.24	\$13.41	\$16.01	\$0.00	\$65.66
WAGON DRILL OPERATOR <i>LABORERS - ZONE 2</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
	06/01/2022	\$36.56	\$9.10	\$16.64	\$0.00	\$62.30
	12/01/2022	\$37.41	\$9.10	\$16.64	\$0.00	\$63.15
	06/01/2023	\$38.31	\$9.10	\$16.64	\$0.00	\$64.05
	12/01/2023	\$39.21	\$9.10	\$16.64	\$0.00	\$64.95
For apprentice rates see "Apprentice- LABORER"						
WAGON DRILL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i>	12/01/2021	\$35.66	\$9.10	\$16.64	\$0.00	\$61.40
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	12/01/2021	\$51.38	\$14.00	\$16.05	\$0.00	\$81.43
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER <i>PLUMBERS & PIPEFITTERS LOCAL 51</i>	08/30/2021	\$46.49	\$10.15	\$19.95	\$0.00	\$76.59
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>	08/30/2020	\$29.67	\$9.25	\$1.89	\$0.00	\$40.81
For apprentice rates see "Apprentice- LINEMAN"						
CABLEMAN (Underground Ducts & Cables) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$42.03	\$9.25	\$10.27	\$0.00	\$61.55
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN CDL <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$34.62	\$9.25	\$10.07	\$0.00	\$53.94
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$27.20	\$9.25	\$1.82	\$0.00	\$38.27
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class A CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$42.03	\$9.25	\$14.35	\$0.00	\$65.63
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class B CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$37.09	\$9.25	\$10.87	\$0.00	\$57.21
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$27.20	\$9.25	\$1.82	\$0.00	\$38.27
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$22.25	\$9.25	\$1.82	\$0.00	\$33.32
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	08/30/2020	\$49.45	\$9.25	\$17.48	\$0.00	\$76.18

Apprentice - LINEMAN (Outside Electrical) - East Local 104

Effective Date - 08/30/2020

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$29.67	\$9.25	\$3.39	\$0.00	\$42.31
2	65	\$32.14	\$9.25	\$3.46	\$0.00	\$44.85
3	70	\$34.62	\$9.25	\$3.54	\$0.00	\$47.41
4	75	\$37.09	\$9.25	\$5.11	\$0.00	\$51.45
5	80	\$39.56	\$9.25	\$5.19	\$0.00	\$54.00
6	85	\$42.03	\$9.25	\$5.26	\$0.00	\$56.54
7	90	\$44.51	\$9.25	\$7.34	\$0.00	\$61.10

Notes:

Apprentice to Journeyworker Ratio:1:2

TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/04/2019	\$30.73	\$4.70	\$3.17	\$0.00	\$38.60
TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/04/2019	\$28.93	\$4.70	\$3.14	\$0.00	\$36.77
TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	02/04/2019	\$28.93	\$4.70	\$3.14	\$0.00	\$36.77

Additional Apprentice 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. Apprentice ratios are established by the Division of Apprenticeship Training pursuant to M.G.L. c. 23, ss. 11E-11L.

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

All steps are six months (1000 hours.)
Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified.

- ** Multiple ratios are listed in the comment field.
- *** APP to JM; 1:1, 2:2, 2:3, 3:4, 4:4, 4:5, 4:6, 5:7, 6:7, 6:8, 6:9, 7:10, 8:10, 8:11, 8:12, 9:13, 10:13, 10:14, etc.
- **** APP to JM; 1:1, 1:2, 2:3, 2:4, 3:5, 4:6, 4:7, 5:8, 6:9, 6:10, 7:11, 8:12, 8:13, 9:14, 10:15, 10:16, etc.



KeyTracer Site Preparation Guide

KT-A Cabinets

v1.21 Mar 2020

KeyTracer, CTS Inc.

16 – 1833 Coast Meridian Road
Port Coquitlam, BC
Canada V3C 6G5

clientservices@realtimenetworks.com

Tel: 604 941 8463

Fax: 604 941 8480

Contents

1. Physical Requirements	3
2. Mounting and Mounting Bracket.....	5
3. Cabinet Wiring Example if using Conduit or mounting to concrete or cinder-block.	7
4. Cabinet Dimensions	8
KTA-1 MODULE CABINET	9
KTA-2 MODULE CABINET	10
KTA-4 MODULE CABINET	11
KTA-8 MODULE CABINET	12
KTA-12 MODULE CABINET	14
5. Finished Installation Images.....	15

1. Physical Requirements

At the install location of each KeyTracer system the following will be required:

- Each individual cabinet requires power. This can be hard wired into the cabinet at the time of installation or can be plugged into a standard (110V) electrical outlet (cabinet uses 13.8 V/DC, max 2.0A).
- Each system requires one data connection, and one additional data connection if you are installing a biometric reader. This can be a cat 5 cable to plug directly into the cabinet or a standard RJ45 port on the wall to plug into.

DO NOT PLUG-IN 110V STRAIGHT INTO BACKPLANE (Motherboard)

DO NOT POWER-UP UNIT UNTIL INSTRUCTED BY A KEYTRACER TECHNICIAN



PICTURE OF POWER OUTLET FLUSH MOUNTED FOR 4-MODULE CABINET



PICTURE OF HARD-WIRED POWER (KT-12 Module Cabinet)

NO BX CABLE TO BE INSTALLED INSIDE THE CABINET AS THIS MAY VOID YOUR WARRANTY

1-800-331-2882

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2. Mounting and Mounting Bracket

All KeyTracer systems will arrive with a mounting bracket that must be secured to the wall surface. The customer is responsible for the mounting / securing of the bracket to the wall at the intended installation location which will assist in securing the cabinet to the wall surface. Minimum requirements are as follows:

I. Drywall, Cinder Block, Plywood

Cabinet Type	Cabinet Weight (lbs)	Recommended Anchor Type and Qty
KTA-1 Module Cabinet	30	4 x BB 1/4" Snap Toggle Bolts
KTA-2 Module Cabinet	35 (40 - 50 with Steel Door)	13 x BB 1/4" Snap Toggle Bolts
KTA-4 Module Cabinet	45 (60 - 70 with Steel Door)	13 x BB 1/4" Snap Toggle Bolts
KTA-8 Module Cabinet	135 (200 with Steel Door)	13 x BB 1/4" Snap Toggle Bolts
KTA-12 Module Cabinet	185	4 x BB 1/4" Snap Toggle Bolts

We recommend Toggler Brand High Performance SnapToggle Anchors, Model BB with ¼" Bolt

- <http://www.toggler.com/products/snaptoggle/overview.php>
- <http://www.toggler.com/pdf/toggle.pdf>

II. Concrete

Cabinet Type	Cabinet Weight (lbs)	Recommended Anchor Type and Qty
KTA-1 Module Cabinet	30	4 x Steel Hammer-Set Nail Drive (1/4" x 1" or 1 ½")
KTA-2 Module Cabinet	30 (40 - 50 with Steel Door)	13 x Steel Hammer-Set Nail Drive (1/4" x 1" or 1 ½")
KTA-4 Module Cabinet	45 60 - 70 with Steel Door)	13 x Steel Hammer-Set Nail Drive (1/4" x 1" or 1 ½")
KTA-8 Module Cabinet	135 (200 with Steel Door)	13 x Steel Hammer-Set Nail Drive (1/4" x 1" or 1 ½")
KTA-12 Module Cabinet	185	4 x Steel Hammer-Set Nail Drive (1/4" x 1" or 1 ½")

We recommend 1/4 in. x 1 in. Steel Hammer-Set Nail Drive Concrete anchors

- <http://www.homedepot.com/p/Red-Head-1-4-in-x-1-in-Steel-Hammer-Set-Nail-Drive-Concrete-Anchors-75-Pack-35300/100155647>

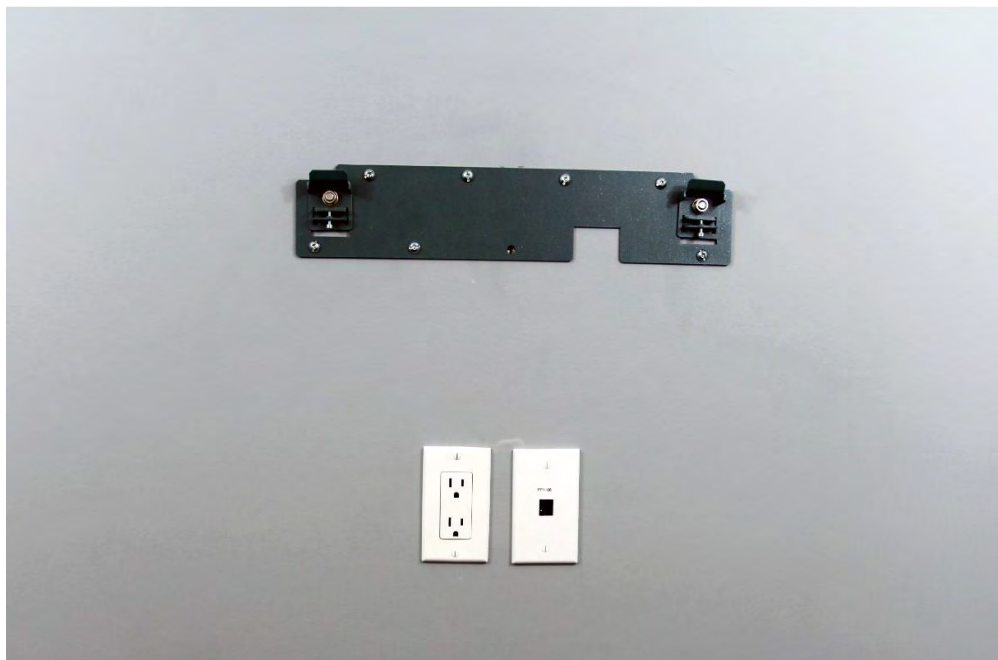
***KEY TRACER IS NOT LIABLE OR RESPONSIBLE FOR ANY EVENTS, ISSUES OR INJURY DUE TO CABINETS NOT PROPERLY SECURED TO LOCATION SURFACE FROM NOT FOLLOWING THE RECOMMENDED INSTALLATION PROCEDURES.**

Examples of properly installed Mounting Bracket, Power and Data
**REFER TO CABINET SPECS ON PAGES 9-14 TO CONFIRM PROPER PLACEMENT FOR POWER
AND DATA ON YOUR CABINET MODEL**

2-Module Cabinet Example



4-Module Cabinet Example:



3. Cabinet Wiring Example if using Conduit or mounting to concrete or cinder-block.

Here is an example how to wire the cabinet with power and data if a flush mounted outlet is not possible. Plywood must be used to secure the cabinet to the concrete or cinder-block wall surface as the wall surface is likely not complete flat. **If the cabinet is secured to the wall without the plywood, the cabinet will “flex” and likely cause door alignment issues.**

Please note that NO electrical metal Conduit or BX cables are to be mounted inside the cabinet, as this will interfere with the regular operation of the service door. Please contact KeyTracer Support to get additional information.

DRILLING INTO THE CABINET WILL CREATE METAL SHAVINGS AND CAN SHORT ELECTRICAL COMPONENTS WHICH WILL VOID THE WARRANTY.

NOTE: PICTURE BELOW REFERS TO A KTA-2 MODULE CABINET ONLY.



4. Cabinet Dimensions

Cabinet Diagrams with sizing are attached. All cabinets are 8 4/16" in depth. Refer to quote or PO for cabinet type or contact KeyTracer representative to confirm. All diagrams below show the view from the back of the box and the KeyTracer Terminal will mount on the left-hand side of this system.

Allow for an additional 10" on that side from walls, doors, other fixtures for Terminal mounting.



KTA-12 Module

KTA-8 Module

KTA-4 Module

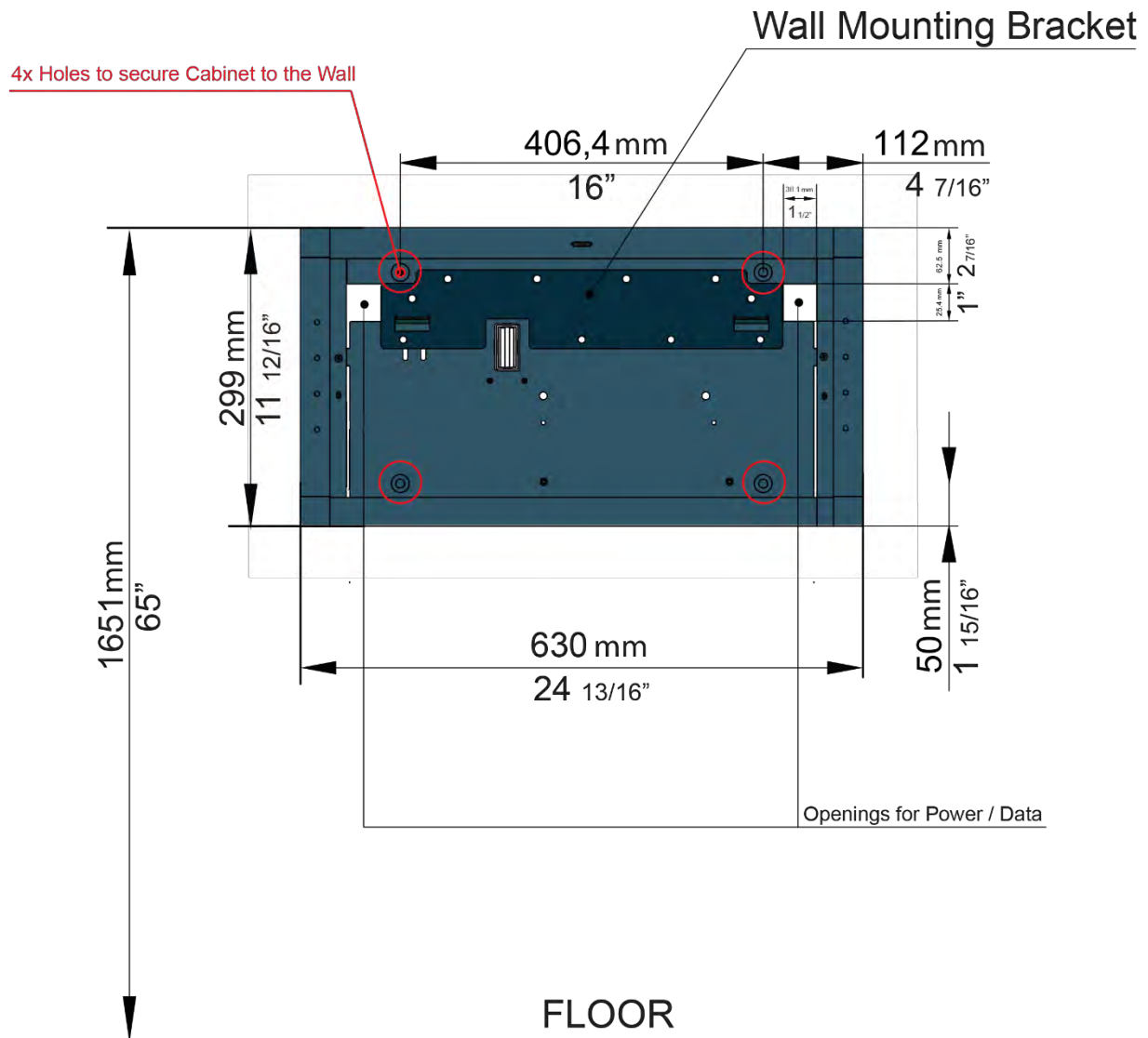
KTA-2 Module

KTA-1 Module

An example of all KT-A Series cabinets. If installing a Biometric Fingerprint Reader, or External card reader, please allow a total of 10" of space to the right of the cabinet to accommodate. Please refer to [Section 9 for installed images](#).

KTA-1 MODULE CABINET

Diagram shows the view from back of the cabinet. The KeyTracer Terminal (along with card reader or biometric reader) will mount on the left-hand side of this drawing. Facing the front of the cabinet, allow for an additional 10" on right side from walls, doors, and other fixtures.



Cabinet Depth: 210mm - 8 4/16"

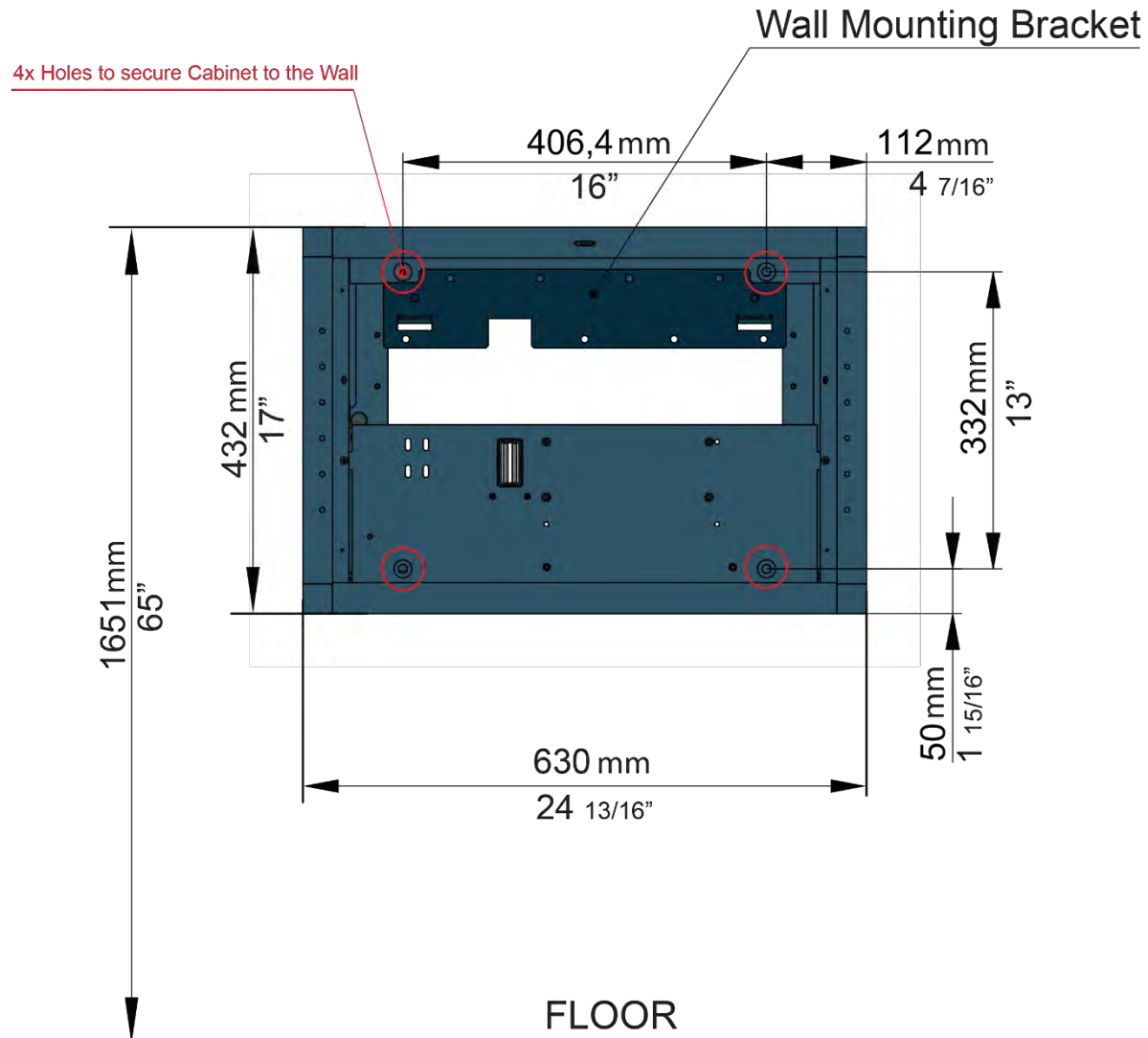
Step 1: Install Wall Mounting Bracket. **Bottom of bracket to be installed at 59 3/4" from Floor**

Step 2: Mount and secure the cabinet to the Wall using the 4 holes

NOTE: Cabinet mounting height is not ADA compliant

KTA-2 MODULE CABINET

Diagram shows the view from back of the cabinet. The KeyTracer Terminal (along with card reader or biometric reader) will mount on the left-hand side of this drawing. Facing the front of the cabinet, allow for an additional 10" on right side from walls, doors, and other fixtures.



Cabinet Depth: 210mm - 8 4/16"

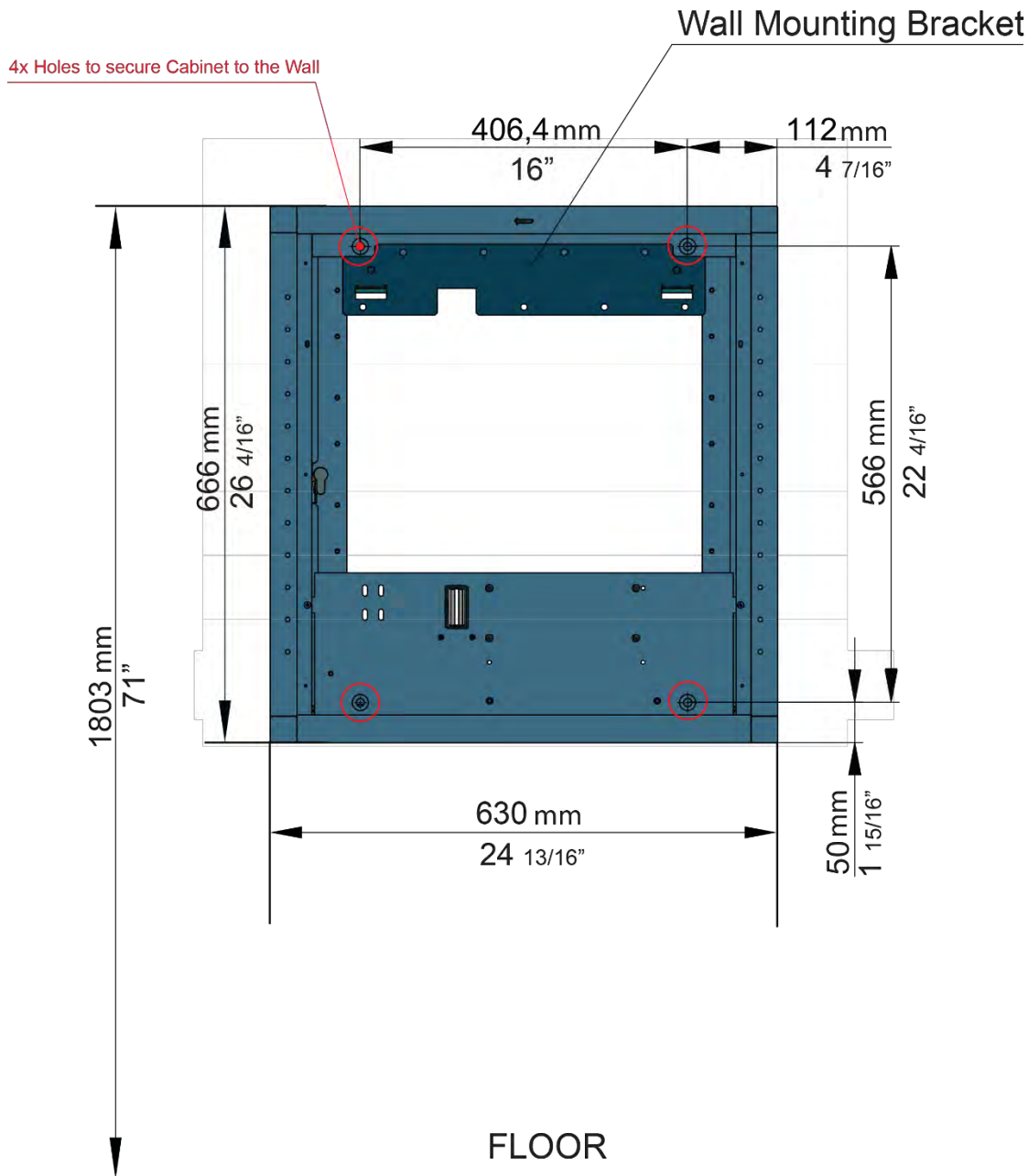
Step 1: Install Wall Mounting Bracket. **Bottom of bracket to be installed at 59 3/4" from Floor**

Step 2: Mount and secure the cabinet to the Wall using the 4 holes

NOTE: Cabinet mounting height is not ADA compliant

KTA-4 MODULE CABINET

Diagram shows the view from back of the cabinet. The KeyTracer Terminal (along with card reader or biometric reader) will mount on the left-hand side of this drawing. Facing the front of the cabinet, allow for an additional 10" on right side from walls, doors, and other fixtures.



Cabinet Depth: 210mm - 8 4/16"

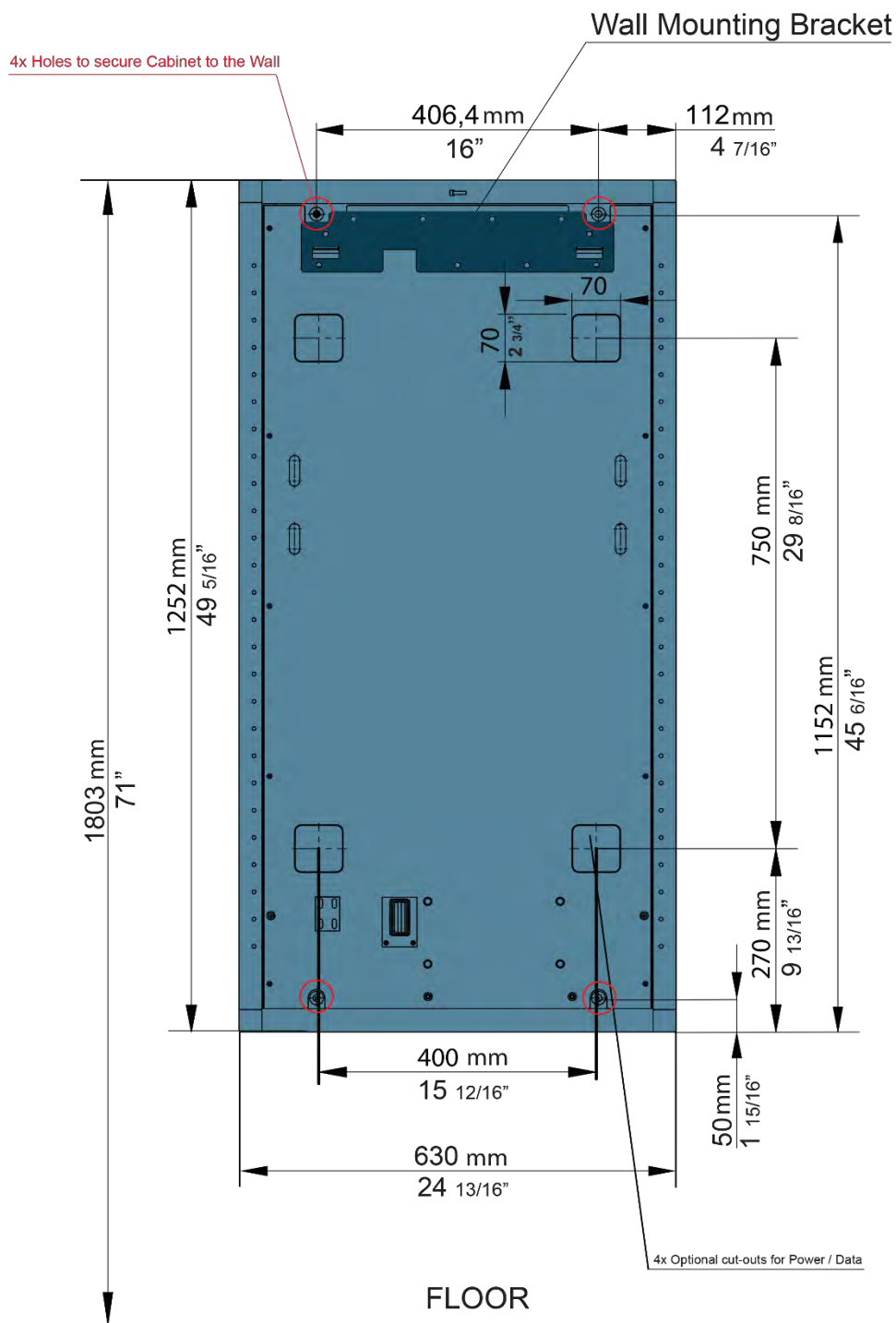
Step 1: Install Wall Mounting Bracket. **Bottom of bracket to be installed at 65 3/4" from Floor**

Step 2: Mount and secure the cabinet to the Wall using the 4 holes

NOTE: Cabinet mounting height is not ADA compliant

KTA-8 MODULE CABINET

Diagram shows the view from back of the cabinet. The KeyTracer Terminal (along with card reader or biometric reader) will mount on the left-hand side of this drawing. Facing the front of the cabinet, allow for an additional 10" on right side from walls, doors, and other fixtures.



Cabinet Depth: 210mm - 8 4/16"

Step 1: Install Wall Mounting Bracket. **Bottom of bracket to be installed at 65 3/4" from Floor**

Step 2: Mount and secure the cabinet to the Wall using the 4 holes

KTa-8 MODULE CABINET MOUNTING

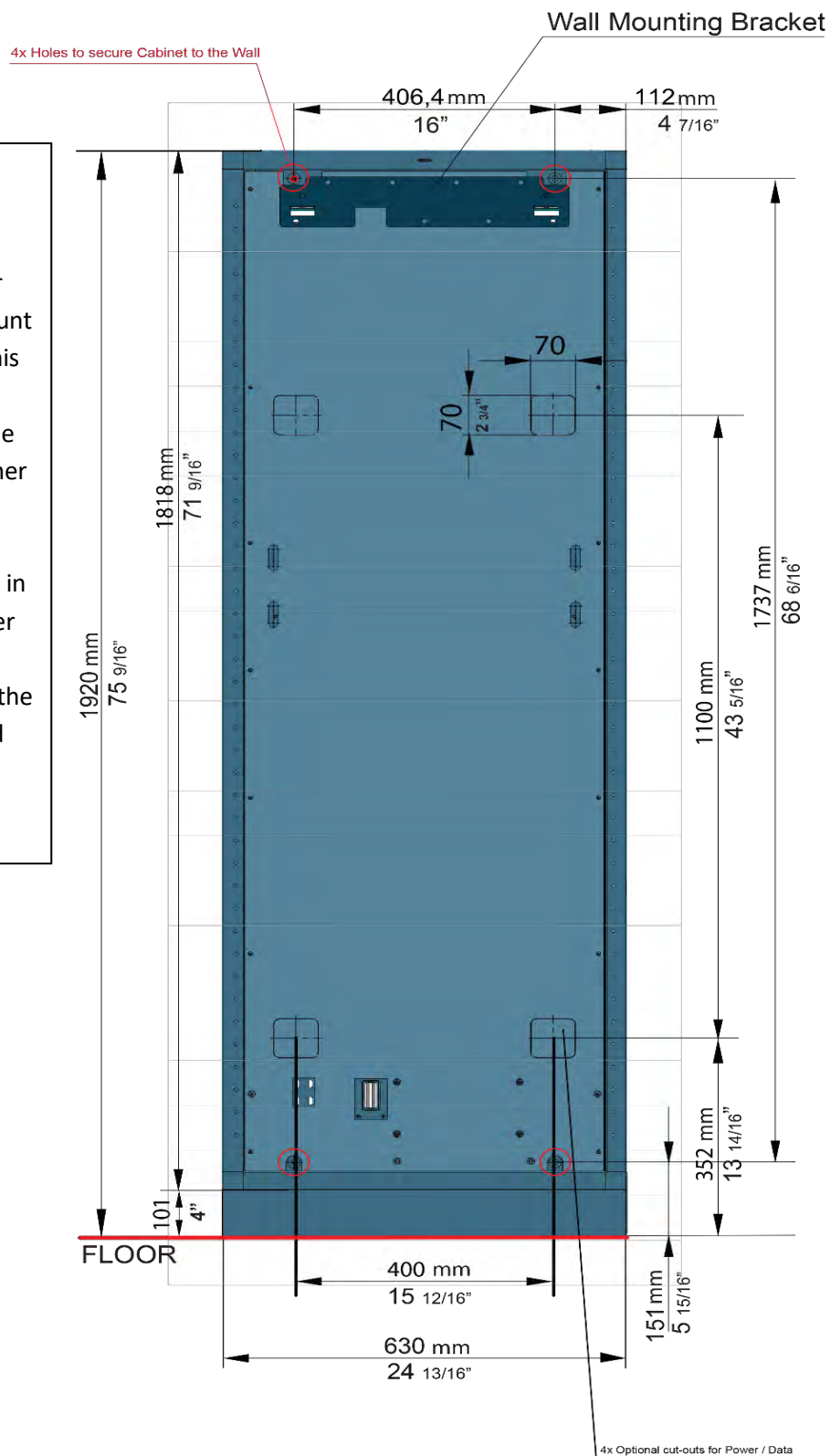
8 MODULE CABINET DRYWALL MOUNTING EXAMPLE

*****POWER AND DATA PLACEMENT MUST MATCH THE KNOCK-OUTS FOR 8 MODULE AND 12 MODULE CABINETS**



KTA-12 MODULE CABINET

Diagram shows the view from back of the cabinet. The KeyTracer Terminal (along with card reader or biometric reader) will mount on the left-hand side of this drawing. Allow for an additional 10" on right side from walls, doors, and other fixtures. The 36U cabinet can be free standing or mounted ~4" off the floor in environments where water or flooding can be a concern. If free standing, the cabinet should be secured to the wall following installation.



Cabinet Depth: 210mm - 8 4/16"

Step 1: Install Wall Mounting Bracket. Bottom of bracket to be installed at 70 1/4" from Floor

Step 2: Mount and secure the cabinet to the Wall using the 4 holes

1-800-331-2882

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5. Finished Installation Images

The below images show various cabinet, terminal, and Biometric device configurations following successful installation:

KTA-4 Module Cabinet with C6 Touch



KTA-4 Module Cabinet, KTA Terminal and Biometric Facial Reader



Daisy-chained KTA-4 Module Cabinet with KTA Terminal and Biometric Facial



Please contact Key Tracer support if you have any questions related to this document or installation.

1-800-331-2882 or clientservices@realtimenetworks.com

Site Preparation

AssetTracer

v1.5 – May 2020

Real Time Networks Inc.
16 – 1833 Coast Meridian Road
Port Coquitlam, BC
Canada V3C 6G5

clientservices@realtimenetworks.com
Tel: 1-800-331-2882

Contents

1	Overview	3
2	Physical Requirements.....	3
2.1	Electrical	3
2.2	Network.....	4
2.3	Location	4
2.4	Receiving.....	4
2.5	Mounting.....	5

1 Overview

This document outlines the site preparation required to be completed before the Real Time Networks factory trained technician arrives onsite to install and commission an AssetTracer Locker System.

All software, network, communication, and security topics are covered in a companion document called RTN AssetTracer Technical Overview.

2 Physical Requirements

2.1 Electrical

Electrical requirements for AssetTracer vary based on the customer configuration and what is included in the locker. Refer to the below to determine the circuit requirements:

- 1) Base locker (no in-compartment charging): A standard circuit is sufficient (15amp 120v).
- 2) With in-compartment charging: Depending on how many – and what type of devices – are being charged, additional amperage / circuits may be required. Additional required amperage depends on the current draw of the charging devices. For example, if the locker is charging 100 devices that require 1.5amps of power, then max current draw would be 150 amps (in addition to the base locker). Real Time Networks has a current calculator that can be utilized to determine the power need, and a Real Time Networks technician will work with you to calculate this number and validate in your specific scenario.



2.2 Network

Network requirements for AssetTracer vary based on what is included in the locker. At a minimum, the system requires 1 x standard ethernet network drop. Options and details specific to your installation will be discussed during the planning call.

2.3 Location

Since AssetTracer lockers are modular and expandable, physical space required also varies. Based on the configuration ordered, Real Time Networks will provide the amount of space required to comfortably fit the locker. The size of the locker should be noted on the original quotation and will be reviewed in detail during the first installation planning call held with the RTN Technician. When planning, please keep in mind that the assembly will take a substantial amount of space and may impede other work in the direct vicinity.

2.4 Receiving

AssetTracer ships palletized, and depending on your order, can be quite large. Please be prepared to store the system in a safe, dry location from the time of delivery to the time of installation. It is also imperative that you inspect the shipment for any signs of damage, so that we can work to get any replacement parts shipped in a timely manner, as not to delay the installation. Please count the cartons on the pallet and ensure your physical carton count matches the carton count as listed on the Carrier Bill of Lading (BOL). Any discrepancies or damages MUST be noted on the BOL at the time of receipt to assist in the event of a potential claim with the carrier. Please inform Real Time Networks immediately if there are any issues, damages or discrepancies at clientservices@realtimenetworks.com

2.5 Mounting

Depending on how the system was ordered, there are a few options for mounting the device. During the planning call, we will discuss the specific options for your device. The most common scenario is to have the locker standing on its base, with brackets to secure it to the wall. Once the unit is assembled, it is required to have a member of your facilities/maintenance team or another contractor available to secure the unit. With smaller lockers, it is possible to hang the device, this would require an available resource to hang the mounts on the wall.



For mounting on drywall, cinder block, or plywood we recommend Toggler Brand High Performance SnapToggle Anchors, Model BB with ¼" bolt:

o <http://www.toggler.com/products/snaptoggle/overview.php>

o <http://www.toggler.com/pdf/toggle.pdf>

For mounting on concrete, we recommend 1/4 in. x 1 in. Steel Hammer-Set Nail Drive Concrete anchors:

o <http://www.homedepot.com/p/Red-Head-1-4-in-x-1-in-Steel-Hammer-Set-Nail-Drive-Concrete-Anchors-75-Pack-35300/100155647>

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Meeting Date: 12/14/2021 @ 11:00 AM
Page: 1 of 1

COMPASS GROUP ARCHITECTURE LLC
4 CAUSEWAY ROAD
ASSONET, MA 02702
TEL: (508)-644-8017 FAX: (508)-644-8017
COMPASSGROUPARCH.COM



INVITATION AND INSTRUCTIONS TO BIDDERS

TO : General Contractor Bidders
JOB : Freetown Police Station – Miscellaneous Electrical, Data & Security Upgrades
LOCATION : 15 Memorial Drive, East Freetown, MA 02717
OWNER : Town of Freetown, MA
DATE : December 1st, 2021

In accordance with M.G.L. c. 149 § 44A(2)(B) – Building Construction Contracts, the town of Freetown MA is seeking quotations from three qualified electricians for the six items listed below. All work is subject to Massachusetts Prevailing Wage Law.

Project Description: The project scope includes miscellaneous electrical, data and security items (Also refer to attached Written Scope of Work.)

Construction Documents for Bids: *Written Scope of Work*

Prepared by Compass Group Architecture, LLC , 4 Causeway Road, Assonet, MA 02702, (508) 644-8017

Dated: 12/01/2021

Bid Submission Procedure & Due Date: Bids shall be submitted to the Town of Freetown by December 22nd, 2021, no later than 2:00 PM, mailed or delivered to:

Deborah L. Pettey
Interim Town Administrator
Freetown Town Hall
3 N. Main Street, P.O. Box 438,
Assonet, MA 02702

All bidders must submit their bids by 2:00 PM the latest. No bids will be accepted after this date and time. The bids will be opened privately and the Owner reserves the right to reject all bids based on cost and level of completeness.

Pre Bid Site Meeting: There will be a pre bid site meeting on Tuesday, December 14th at 11:00 AM at the Freetown Police Station located at 15 Memorial Drive, East Freetown, MA 02717.

Requests For Information (RFI's): All RFI's shall be sent by email only to Daniel Newhall, at Compass Group Architecture, LLC: dnewhall@compassgrouparch.com

Construction Start Date: The Contractor that is awarded the job will be expected to begin on January 3rd, 2022.

Completion Date: The completion date for the entire project will be March 31st, 2022.

Contract: The Contractor that is awarded the job will execute a contract document provided by the Town of Freetown, MA.

Payment: Payments will be by monthly application utilizing official AIA G702 and G703 templates. All payment applications will be sent to the Architect for approval. All approved payments shall be made within thirty days of the application submission date.

Insurance: The Contractor shall be responsible to the Town or any third party for any property damage or bodily injury caused by it, any of its subcontractors, employees, or agents in the performance of, or as a result of, the work under this Agreement. The Contractor and any subcontractors used hereby certify that they are insured for workers' compensation, property damage, personal and product liability. The Contractor and any subcontractor it uses shall purchase, furnish copies of, and maintain in full force and effect insurance policies in the amounts here indicated.

General Liability

Bodily Injury Liability: \$1,000,000 per occurrence
 Property Damage Liability \$ 500,000 per occurrence
 (or combined single limit) \$1,000,000 per occurrence

Automobile Liability

Bodily Injury Liability: \$1,000,000 per occurrence
 Property Damage Liability \$ 500,000 per occurrence
 (or combined single limit) \$1,000,000 per occurrence

Workers' Compensation Insurance

Coverage for all employees in accordance with Massachusetts General Laws

Professional Liability Insurance

Minimum Coverage \$1,000,000 per occurrence

Building Permit: The Building Permit fee will be paid for by the Contractor.

By signing this Bid Form hereby the Bidder certifies that he/she is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration (OSHA) that is at least 10 hours in duration at the time the employee begins work

BID FORM

BID OF: _____
 (Name of Contractor)

PROJECT: Freetown Police Station – Miscellaneous Electrical, Data & Security Items

TO: Town of Freetown, 3 North Main Street, Assonet, MA 02717

A. The undersigned Bidder proposes to furnish all labor, and materials required for the following Project in accordance with the accompanying Bidding Instructions and Written Scope of Work, as prepared by: Compass Group Architecture, LLC, at 4 Causeway Road, Assonet, MA, 02702 for the Contract price specified below:

B. The proposed CONTRACT PRICE is:

(Total Bid):

 (total contract price amount in words, which governs)

 (total contract price amount in numbers)

C. The subdivision of the proposed contract price is as follows:

Item 1. Relocate street sign ground fixtures back 4'-0" each side of exterior sign.

 (Item 1 price amount in words)

 (Item 1 price amount in numbers)

Item 2. Provide and install light fixture in A103 Lobby display case (no switch).

(Item 2 price amount in words)

(Item 2 price amount in numbers)

Item 3. Install 75" TV (provided by owner) to new power/data setup in A120 Dispatch – recessed box not needed.

(Item 3 price amount in words)

(Item 3 price amount in numbers)

Item 4. Connect existing TV (provided by owner) to new power/data boxes in A140 Break Room, spare data already exists in ceiling.

(Item 4 price amount in words)

(Item 4 price amount in numbers)

Item 5. Provide and install power/data connections for asset lockers and key cabinet, and install key box mounting bracket, assist with cabinet/locker install in room in room A146 Secure Storage.

(Item 5 price amount in words)

(Item 5 price amount in numbers)

Item 6. Install card access cabling for doors to rooms A161 Accreditation Office and A149 Storage Room. Hardware, card readers, setup, and drilling for door to be provided by owner. Electrician must assist Access Tech with install.

(Item 6 price amount in words)

(Item 6 price amount in numbers)

Date of Bid: December 22nd, 2021

(Name of Bidder - Company Name)

BY _____

(SIGNATURE of person signing Bid & Title)

(PRINTED Name of person signing Bid & Title)

(Business Mailing Address)