## GSA Format <br> Estimate Report

Proposed New K-12 School
Anywhere, USA


## Clarifications and Qualifications

## EXECUTIVE SUMMARY

## Project Scope

This project consists of new school building including a ground floor, partial second floor, athletic fields and playground. The total gross area of the building will be approximately 100,000 square feet.

The prices in the estimated construction cost include the following markups and adjustments:
Sales Tax on the Material
Subcontractor Direct and Indirect Job Costs
Subcontractor Overhead and Profit
General Contractor or Prime Contractor General Conditions
General Contractor or Prime Contractor Overhead and Profit
Construction Bonds
Design Contingency

## Exclusions

The following items are NOT included in this project:
Hazardous Abatement
Loose / Not Built-In Furniture
Art Work
Land and Real Estate Costs
Design Fees
Legal and Accounting Fees
Construction Manager's Fees
Construction Contingency

## Clarifications and Qualifications

## ARCHITECTURAL

## General Overview

The following is a general overview of the architectural finishes for the various rooms in this project:
General Classrooms - VCT floor covering, painted gypsum board walls, hollow core steel doors and acoustic tile ceilings.
Library - carpet floor covering, painted gypsum board walls with acoustical panels, hollow core steel doors, acoustic tile ceilings with acoustical clouds
Auditorium - complete stage, 1000 flip-up seats, carpet floor covering, CMU walls with acoustical wall covering and panels, wood main entrance double doors, acoustic tile ceilings with acoustical clouds.
Gymnasium - maple wood flooring, basketball backstops, bleachers, standard and acoustical block CMU walls and steel double doors.
Corridors - VCT floor covering, painted gypsum board walls and acoustic tile ceilings
Public Toilets - ceramic tile floors and bottom half of walls, painted gypsum board top of walls and ceilings.
Main Entrance Lobby - VCT floor covering, hollow core steel doors, painted gypsum board walls and ceilings.

## STRUCTURAL

## General Overview

The ground floor structure includes a reinforced slab on grade, cast in place footings and grade beams.
The elevated second floor has a structural steel frame, steel deck with cast in place concrete
The flat roof structure is a steel frame, steel deck with cast in place concrete.. The roofing material is a 60 mil EPDM fully adhered single ply membrane on polyiso insulation
The exterior of the building will have fluted face CMU and aluminum frame insulated windows.

## Clarifications and Qualifications

## MECHANICAL

## General Overview

The mechanical systems in this submittal includes detail for the following:

- Supply and return grilles and diffusers for the defined program and core spaces.
- Plumbing fixtures with rough-ins for the public toilets, break and janitor rooms.
- Roof drains with riser piping.
- Elevator shaft sump pumps.

In addition to the detail listed above, allowances are included on the Mechanical Infrastructure design criteria sheet for the following:

- The fire protection system.
- The plumbing risers, pumps and service equipment
- The HVAC heating, cooling, air distribution, exhaust and controls.


## Clarifications and Qualifications

## ELECTRICAL

## General Overview

The electrical systems in this submittal include detail for the following

- Lighting, switches and receptacles for the defined program and core spaces
- Outlet Boxes and empty conduit communication rough-in for the defined program and core spaces.
- Electrical connections to the elevators.

In addition to the detail listed above, allowances are included on the Electrical Infrastructure design criteria sheet for the following:

- The electrical distribution system (switchboards, panelboards and feeders).
- A generator or emergency power system.
- Motor and equipment wiring.
- Miscellaneous additional lights, switches, receptacles and branch wiring.
- Site lighting.
- Grounding and lightning protection systems.
- The communication system risers and horizontal rough-in.
- A complete fire alarm system.
- A security access control system.


## Kisent Corporation

| Description | Unit Price Ext | Value Per: 99878 SQFT |
| :---: | :---: | :---: |
| 01 - FOUNDATIONS | \$737,899.95 | \$7.39 |
| 02 - SUBSTRUCTURE | \$929,719.96 | \$9.31 |
| 03 - SUPERSTRUCTURE | \$2,118,354.33 | \$21.21 |
| 04 - EXTERIOR CLOSURE | \$1,442,042.01 | \$14.44 |
| $05-\mathrm{ROOFING}$ | \$661,937.76 | \$6.63 |
| 06 - INTERIOR CONSTRUCTION | \$2,529,370.01 | \$25.32 |
| 07 - CONVEYING SYSTEMS | \$201,629.25 | \$2.02 |
| 08 - MECHANICAL | \$2,884,994.93 | \$28.89 |
| 09 -ELECTRICAL | \$3,211,553.48 | \$32.15 |
| 11 -EQUIPMENT | \$1,565,416.02 | \$15.67 |
| 12 - SITE WORK | \$3,442,923.81 | \$34.47 |
| **** REPORT TOTAL *** | \$19,725,842.00 | \$197.50 |
| SUMMARY |  |  |
| SUMMARY MARKUPS |  |  |
| General Conditions OH\&P *** $15.00 \%$ of Total | \$2,958,876.25 | \$29.62 |
| Contingencies *** 7.00\% of Total | \$1,587,930.25 | \$15.90 |
| MARKUP TOTAL | \$4,546,806.00 | \$45.52 |
| EStimate total | \$24,272,648.00 | \$243.02 |

New K-12 School
Percentage of Cost Report


| Description |  |  |  |
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| Description | Quantity $\quad$ U/M Labor Cost $\quad$ Material $\quad$ Equipment Price Ext |
| :--- | :--- | :--- | :--- | :--- | :--- |

## 11-EQUIPMENT

Mailbox - Rack Ladder Support - Standard
Auditorium / Theater Seat - Fixed Back - Flip-Up Seat - Standard
Gym. Bleacher - Telescoping - Manual - 11 to 20 Tier - Per Seat - Average
Swimming Pool Allowance - Approx. 3000 Sq. Ft. - Standard

## 12 - SITE WORK

## Cut \& Chip Trees - Average Density

Mass Excavation - Rough Grading - Medium Site - Common Earth
Strip \& Stockpile Topsoil - Medium Site - Average 6" Depth
Demolish Medium Residential Building
Demolish Slab on Grade \& Footings - Good Conditions
Demolish Steel Frame Building - 1 or 2 Story - Med. Density of Interior Wall Finish Grading - Medium Site
Finish Grading - Small Site
Spread Topsoil from Stockpile on Site - Medium Site
Clean Stone Base - Spread \& Compacted - 4" Deep
Clean Stone Base - Spread \& Compacted - 6 " Deep
Crusher Run Stone Base - Spread \& Compacted - 4" Deep
Crusher Run Stone Base - Spread \& Compacted - 6" Deep
Erosion Control - Hay Bales with Stakes - Install \& Remove
Erosion Control - Plastic Silt Fence with Stakes - Install \& Remove
Asphalt Pavement Demolition - 6" Thick
Asphalt Paving - Base Course - 1-1/2" Thick
Asphalt Paving - Base Course - 2" Thick
Asphalt Paving - Base Course - 2-1/2" Thick
Asphalt Paving - Base Course - 4" Thick
Asphalt Paving - Top (Wearing) Course - 1" Thick
Asphalt Paving - Top (Wearing) Course - 1" Thick
Asphalt Paving - Top (Wearing) Course - 1-1/2" Thick
Asphalt Paving - Top (Wearing) Course - 2" Thick
Parking Lot Bumper - Precast Concrete with Pins - 6' Long Pavement Striping with Layout - Cross Walk
Pavement Striping with Layout - Handicap Parking Stall - Painted Pavement Striping with Layout - Letter
Pavement Striping with Layout - No Parking with Cross Lines
Pavement Striping with Layout - Standard Parking Stall - Painted Pavement Striping with Layout - Turn Arrow or Shape
Pavement Striping with Layout on Roadways - Painted - 4" Wide Pavement Striping with Layout on Roadways - Painted - 6 " Wide Concrete Curb \& Gutter - Form \& Strip - 6" Curb + 12" Gutter Concrete Sidewalk - 3000 PSI - WWF - Broom Finish - 5" Thick
Concrete Sidewalk - 3000 PSI - WWF - Broom Finish - 6" Thick
Concrete Sidewalk - 3000 PSI - WWF - Exp. Aggregate Finish - 6 " Thick
Chain Link Fence with 2" Line Posts - 5' High
Chain Link Fence with 2" Line Posts - 6' High
Chain Link Fencing - Heavy Duty - Galv. - Swing Gate - 3' Wide - 6' High
1 EACH
1000 EACH
800 EACH
1 LSUM

15 ACRE 245805 CUYD 121000 SQYD 5 EACH
5000 SQFT
10000 SQFT 56794 SQYD 6533 SQYD 6533 SQYD 5840 CUYD
3200 SQYD 3200 SQYD 5613 SQYD 2222 SQYD 7612 SQYD 5000 LNFT 5000 LNFT 7000 SQYD 3200 SQYD 7835 SQYD 5556 SQYD 2056 SQYD 2056 SQYD 7835 SQYD 3200 SQYD 5556 SQYD 2056 SQYD 160 EACH
8 EACH
10 EACH
32 EACH
1000 SQFT
150 EACH
4 EACH
12605 LNFT
2605 LNFT
700 LNFT 2519 LNFT 3450 SQFT 5000 SQFT 10000 SQFT 1800 LNFT
$\$ 2,83.38$
$\$ 0.90$
$\$ 0.25$
$\$ 2,822.46$
$\$ 1.25$
$\$ 1.19$
$\$ 0.61$
$\$ 2.19$
$\$ 1.74$
$\$ 1.18$
$\$ 1.50$
$\$ 1.18$
$\$ 1.50$
$\$ 0.97$
$\$ 0.77$
$\$ 3.33$
$\$ 3.47$
$\$ 3.53$
$\$ 3.60$
$\$ 3.78$
$\$ 8.16$
$\$ 3.41$
$\$ 3.47$
$\$ 3.53$
$\$ 12.86$
$\$ 22.85$
$\$ 16.33$
$\$ 16.33$
$\$ 4.57$
$\$ 7.84$
$\$ 16.33$
$\$ 0.20$
$\$ 0.23$
$\$ 5.59$
$\$ 3.38$
$\$ 3.59$
$\$ 4.33$
$\$ 7.38$
$\$ 7.71$
$\$ 192.88$
$\$ 1.78$
$\$ 2.67$
$\$ 1.42$
$\$ 2.12$
$\$ 0.47$
$\$ 0.35$

$\$ 3.88$
$\$ 5.08$
$\$ 6.46$
$\$ 10.34$
$\$ 2.77$
$\$ 2.79$
$\$ 4.19$
$\$ 5.49$
$\$ 25.61$
$\$ 16.18$
$\$ 13.48$
$\$ 13.48$
$\$ 0.27$
$\$ 4.04$
$\$ 13.48$
$\$ 0.18$
$\$ 0.24$
$\$ 4.19$
$\$ 1.87$
$\$ 2.22$
$\$ 2.89$
$\$ 13.66$
$\$ 14.67$
$\$ 283.10$

| Description |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
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## Kisent Corporation

| Description | Quantity U/M | Labor Cost | Material | Equipment | Other | Unit Price | Unit Price Ext |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12-SITE WORK |  |  |  |  |  |  |  |
| Flagpole Base Foundation - Excavation \& Concrete - 35 ' to 50' High | 3 EACH | \$764.20 | \$138.24 | \$329.03 |  | \$1,231.47 | \$3,694.41 |
| Landscape Prep. - Level / Rake / Roll with Tractor - 10,000 to 50,000 SqFt | 300000 SQFT | \$0.14 |  | \$0.06 |  | \$0.20 | \$60,000.00 |
| Landscape Prep. - Level / Rake / Roll with Tractor - Over 50,000 SqFt | 202640 SQFT | \$0.11 |  | \$0.05 |  | \$0.16 | \$32,422.40 |
| Landscape Prep. - Spread Loam \& Sand with Tractor | 202640 SQFT | \$0.11 | \$0.22 | \$0.05 |  | \$0.38 | \$77,003.20 |
| Spread Fiber Mulch Over Seed with Tractor | 300000 SQFT | \$0.01 | \$0.01 |  |  | \$0.02 | \$6,000.00 |
| Spread Grass Seed with Hydro-Mulcher - Athletic Mix | 179440 SQFT | \$0.03 | \$0.02 | \$0.02 |  | \$0.07 | \$12,560.80 |
| Spread Grass Seed with Hydro-Mulcher - Turf Mix | 390000 SQFT | \$0.03 | \$0.01 | \$0.02 |  | \$0.06 | \$23,400.00 |
| \$30,000 Allowance for Landscaping | 1 LSUM |  |  |  | \$30,000.00 | \$30,000.00 | \$30,000.00 |
| Single Wall HDPE Pipe - Flexible - Perforated with Filter Sock - 10" | 1304 LNFT | \$2.44 | \$6.47 |  |  | \$8.91 | \$11,618.64 |
| Single Wall HDPE Pipe - Flexible - Perforated with Filter Sock - 6" | 400 LNFT | \$1.99 | \$2.49 |  |  | \$4.48 | \$1,792.00 |
|  |  |  |  |  |  |  | \$3,442,923.81 |
| **** REPORT TOTAL **** |  |  |  |  |  |  | \$19,725,842.00 |

## Project Labor Crew Report

| Labor Group | Classification | Avg in Crew | Productivity | Base Rate | Burden 1 | Burden 2 | Total Rate | Rate X Qty |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crew Code: | BRICK |  |  |  |  |  |  |  |
| Bricklayers | Apprentice | 1.0 | 100.00\% | \$18.18 | \$11.94 | \$11.19 | \$41.31 | \$41.31 |
| Bricklayers | Journeyman | 3.0 | 100.00\% | \$26.40 | \$11.94 | \$14.24 | \$52.58 | \$157.74 |
| Bricklayers | Foreman | 1.0 | 70.00\% | \$27.92 | \$11.94 | \$14.81 | \$54.67 | \$54.67 |
|  | Crew Totals | 5.0 | 94.00\% | Productive |  |  |  | \$253.72 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | $\begin{array}{r} +200.14 \\ \hline \$ 53.98 \\ \hline \end{array}$ |
| Crew Code: | CARP |  |  |  |  |  |  |  |
| Carpenter | Foreman | 1.0 | 60.00\% | \$29.32 | \$ $\$ 11.24$ | \$15.47 | \$56.03 | \$56.03 |
| Carpenter | Journeyman | 3.0 | 100.00\% | \$28.31 | \$ $\quad \$ 11.24$ | \$15.09 | \$54.64 | \$163.92 |
| Carpenter | Apprentice | 1.0 | 100.00\% | \$18.02 | \$11.24 | \$11.16 | \$40.43 | \$40.43 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$260.38 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$56.60 |
| Crew Code: | CARP-LABOR |  |  |  |  |  |  |  |
| Carpenter | Journeyman | 2.0 | 100.00\% | \$28.31 | \$11.24 | \$15.09 | \$54.64 | \$109.28 |
| Labor | Journeyman | 2.0 | 100.00\% | \$25.20 | \$10.44 | \$13.95 | \$49.59 | \$99.18 |
|  | Crew Totals | 4.0 | 100.00\% | Productive |  |  |  | \$208.46 |
|  |  |  |  |  | Composite Rate Per Productive Hour |  |  | \$52.12 |
| Crew Code: | DRIVER |  |  |  |  |  |  |  |
| Operating Engineers | Building Class (Small, Medium) | 1.0 | 100.00\% | \$29.23 | \$11.72 | \$16.03 | \$56.98 | \$56.98 |
|  | Crew Totals | 1.0 | 100.00\% | Productive |  |  |  | \$56.98 |
|  |  |  |  |  | Composite Rate Per Productive Hour |  |  | \$56.98 |

## Project Labor Crew Report

| Labor Group | Classification | Avg in Crew | Productivity | Base Rate | Burden 1 | Burden 2 | Total Rate | Rate X Qty |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crew Code: | ELECT1 |  |  |  |  |  |  |  |
| Electricians | Foreman | 1.0 | 60.00\% | \$29.69 | \$15.64 | \$12.31 | \$57.64 | \$57.64 |
| Electricians | Journeyman | 3.0 | 100.00\% | \$27.71 | \$15.64 | \$11.77 | \$55.12 | \$165.36 |
| Electricians | Apprentice | 1.0 | 100.00\% | \$19.08 | \$15.64 | \$9.43 | \$44.15 | \$44.15 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$267.15 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$58.08 |
| Crew Code: | ELEV |  |  |  |  |  |  |  |
| Elevator Constructors- Mechanics | Journeyman | 2.0 | 100.00\% | \$36.97 | \$10.81 | \$13.45 | \$61.23 | \$122.46 |
| Elevator Constructors- Mechanics | Foreman | 1.0 | 75.00\% | \$37.77 | \$10.81 | \$13.68 | \$62.26 | \$62.26 |
|  | Crew Totals | 3.0 | 92.00\% | Productive |  |  |  | \$184.72 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$66.93 |
| Crew Code: GLAZ |  |  |  |  |  |  |  |  |
| Glaziers | Journeyman | 2.0 | 100.00\% | \$24.63 | \$13.15 | \$14.79 | \$52.57 | \$105.14 |
| Glaziers | Apprentice | 2.0 | 100.00\% | \$15.67 | \$13.15 | \$11.28 | \$40.10 | \$80.20 |
| Glaziers | Foreman | 1.0 | 50.00\% | \$25.75 | \$13.15 | \$15.23 | \$54.13 | \$54.13 |
|  | Crew Totals | 5.0 | 90.00\% | Productive |  |  |  | \$239.47 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$53.22 |
| Crew Code: IRONA |  |  |  |  |  |  |  |  |
| Ironworkers - Architectural - Ornamental | Journeyman | 3.0 | 100.00\% | \$22.39 | \$12.24 | \$14.60 | \$49.23 | \$147.69 |
| Ironworkers - Architectural - Ornamental | Apprentice | 1.0 | 100.00\% | \$13.84 | \$12.24 | \$10.99 | \$37.07 | \$37.07 |
| Ironworkers - Architectural - Ornamental | Foreman | 1.0 | 60.00\% | \$24.28 | \$12.24 | \$15.39 | \$51.91 | \$51.91 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$236.67 |
|  |  |  |  |  | Composite Rate Per Productive Hour |  |  | \$51.45 |

## Project Labor Crew Report



## Project Labor Crew Report

| Labor Group | Classification | Avg in Crew | Productivity | Base Rate | Burden 1 | Burden 2 | Total Rate | Rate X Qty |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crew Code: | OPERM |  |  |  |  |  |  |  |
| Operating Engineers | Building Class (Small, Medium) | 1.0 | 100.00\% | \$29.23 | \$11.72 | \$16.03 | \$56.98 | \$56.98 |
|  | Crew Totals | 1.0 | 100.00\% | Productive |  |  |  | \$56.98 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$56.98 |
| Crew Code: | PAINT |  |  |  |  |  |  |  |
| Painters | Foreman | 1.0 | 60.00\% | \$29.77 | \$10.18 | \$13.65 | \$53.59 | \$53.59 |
| Painters | Journeyman | 3.0 | 100.00\% | \$26.46 | \$10.18 | \$12.52 | \$49.15 | \$147.45 |
| Painters | Apprentice | 1.0 | 100.00\% | \$17.69 | \$10.18 | \$9.52 | \$37.38 | \$37.38 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$238.42 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$51.83 |
| Crew Code: | PIPEFITTERS |  |  |  |  |  |  |  |
| Pipefitter | Apprentice | 1.0 | 100.00\% | \$20.00 | \$13.41 | \$10.30 | \$43.71 | \$43.71 |
| Pipefitter | Foreman | 1.0 | 60.00\% | \$31.68 | \$13.41 | \$13.90 | \$58.99 | \$58.99 |
| Pipefitter | Journeyman | 3.0 | 100.00\% | \$30.08 | \$13.41 | \$13.41 | \$56.90 | \$170.70 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$273.40 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$59.43 |
| Crew Code: | PLAST |  |  |  |  |  |  |  |
| Plasterers | Apprentice | 1.0 | 100.00\% | \$17.29 | \$11.36 | \$9.50 | \$38.14 | \$38.14 |
| Plasterers | Foreman | 1.0 | 60.00\% | \$27.79 | \$11.36 | \$12.98 | \$52.12 | \$52.12 |
| Plasterers | Journeyman | 3.0 | 100.00\% | \$26.24 | \$11.36 | \$12.47 | \$50.06 | \$150.18 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$240.44 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$52.27 |

## Project Labor Crew Report

| Labor Group | Classification | Avg in Crew | Productivity | Base Rate | Burden 1 | Burden 2 | Total Rate | Rate X Qty |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crew Code: | PLMBR |  |  |  |  |  |  |  |
| Plumbers | Apprentice | 1.0 | 100.00\% | \$21.60 | \$13.30 | \$9.82 | \$44.72 | \$44.72 |
| Plumbers | Foreman | 1.0 | 60.00\% | \$33.36 | \$13.30 | \$13.13 | \$59.78 | \$59.78 |
| Plumbers | Journeyman | 3.0 | 100.00\% | \$31.76 | \$13.30 | \$12.68 | \$57.74 | \$173.22 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$277.72 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$60.37 |
| Crew Code: | POUR-IN-PLACE |  |  |  |  |  |  |  |
| Labor | Journeyman | 2.0 | 100.00\% | \$25.20 | \$10.44 | \$13.95 | \$49.59 | \$99.18 |
| Cement Masons | Apprentice | 1.0 | 100.00\% | \$18.94 | \$9.59 | \$13.17 | \$41.70 | \$41.70 |
| Cement Masons | Foreman | 1.0 | 60.00\% | \$30.45 | \$9.59 | \$18.48 | \$58.53 | \$58.53 |
| Cement Masons | Journeyman | 2.0 | 100.00\% | \$28.94 | \$9.59 | \$17.78 | \$56.31 | \$112.62 |
|  | Crew Totals | 6.0 | 93.00\% | Productive |  |  |  | \$312.03 |
|  |  |  |  |  | Composite R | ate Per Prod | uctive Hour | \$55.92 |
| Crew Code: | ROOF |  |  |  |  |  |  |  |
| Roofers | Foreman | 1.0 | 60.00\% | \$27.64 | \$7.65 | \$18.76 | \$54.05 | \$54.05 |
| Roofers | Journeyman | 3.0 | 100.00\% | \$26.09 | \$7.65 | \$17.93 | \$51.67 | \$155.01 |
| Roofers | Apprentice | 1.0 | 100.00\% | \$17.83 | \$7.65 | \$13.54 | \$39.02 | \$39.02 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$248.08 |
|  |  |  |  |  | Composite R | ate Per Prod | uctive Hour | \$53.93 |

## Project Labor Crew Report

| Labor Group | Classification | Avg in Crew | Productivity | Base Rate | Burden 1 | Burden 2 | Total Rate | Rate X Qty |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crew Code: | SHTML |  |  |  |  |  |  |  |
| Sheet Metal Workers | Apprentice | 1.0 | 100.00\% | \$18.40 | \$14.18 | \$10.80 | \$43.38 | \$43.38 |
| Sheet Metal Workers | Foreman | 1.0 | 60.00\% | \$31.94 | \$14.18 | \$15.28 | \$61.39 | \$61.39 |
| Sheet Metal Workers | Journeyman | 3.0 | 100.00\% | \$29.57 | \$14.18 | \$14.50 | \$58.25 | \$174.75 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$279.52 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$60.77 |
| Crew Code: | TELCOM |  |  |  |  |  |  |  |
| Electricians- Telecommunications | Apprentice | 1.0 | 100.00\% | \$16.79 | \$11.27 | \$7.62 | \$35.68 | \$35.68 |
| Electricians- Telecommunications | Journeyman | 3.0 | 100.00\% | \$24.76 | \$11.27 | \$9.78 | \$45.81 | \$137.43 |
| Electricians- Telecommunications | Foreman | 1.0 | 70.00\% | \$26.67 | \$11.27 | \$10.31 | \$48.24 | \$48.24 |
|  | Crew Totals | 5.0 | 94.00\% | Productive |  |  |  | \$221.35 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$47.10 |
| Crew Code: | TILE |  |  |  |  |  |  |  |
| Ceramic Tile Layers | Apprentice | 1.0 | 100.00\% | \$17.46 | \$10.60 | \$8.74 | \$36.80 | \$36.80 |
| Ceramic Tile Layers | Journeyman | 3.0 | 100.00\% | \$27.46 | \$10.60 | \$11.86 | \$49.92 | \$149.76 |
| Ceramic Tile Layers | Journeyman | 1.0 | 60.00\% | \$27.46 | \$10.60 | \$11.86 | \$49.92 | \$49.92 |
|  | Crew Totals | 5.0 | 92.00\% | Productive |  |  |  | \$236.48 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$51.41 |
| Crew Code: | TRZO |  |  |  |  |  |  |  |
| Terrazzo Workers | Journeyman | 2.0 | 100.00\% | \$26.71 | \$11.65 | \$14.63 | \$52.98 | \$105.96 |
|  | Crew Totals | 2.0 | 100.00\% | Productive |  |  |  | \$105.96 |
|  |  |  |  | Composite Rate Per Productive Hour |  |  |  | \$52.98 |

