

## GENERAL SUMMARY

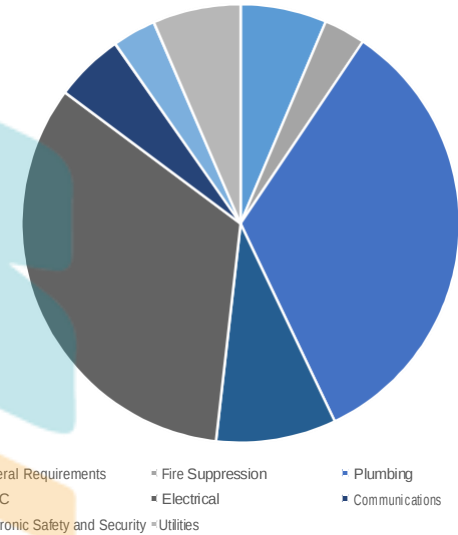
**Prepared for:** Springhill Suites, 1520 Cornerstone Blvd Daytona Beach, FL 32117  
**Project ID:**  
**Scope:** GC  
**No. Of Floors:** 5  
**Date:** 13-May-25



|                     |              |
|---------------------|--------------|
| <b>BUILDING GSF</b> | <b>81564</b> |
| 1st Floor (SF)      | 16860        |
| 2nd Floor (SF)      | 16176        |
| 3rd Floor (SF)      | 16176        |
| 4th Floor (SF)      | 16176        |
| 5th Floor (SF)      | 16176        |

|                                |                                | BASE BID            | ALTERNATE           |
|--------------------------------|--------------------------------|---------------------|---------------------|
| DIVISION NO                    | DESCRIPTION                    | TOTAL DIV. COST     | TOTAL DIV. COST     |
| 1000                           | General Requirements           | \$ 438,000          | \$ 438,000          |
| 21000                          | Fire Suppression               | \$ 211,140          | \$ 211,140          |
| 22000                          | Plumbing                       | \$ 2,310,202        | \$ 2,310,202        |
| 23000                          | HVAC                           | \$ 609,999          | \$ 609,999          |
| 26000                          | Electrical                     | \$ 2,303,297        | \$ 2,370,048        |
| 27000                          | Communications                 | \$ 351,795          | \$ 410,134          |
| 28000                          | Electronic Safety and Security | \$ 221,674          | \$ 221,674          |
| 33000                          | Utilities                      | \$ 446,880          | \$ 446,880          |
| <b>TOTAL TRADE COST</b>        |                                | <b>\$ 6,892,988</b> | <b>\$ 7,018,078</b> |
| <b>OVERHEAD AND PROFIT 15%</b> |                                | <b>\$ 1,033,948</b> | <b>\$ 1,052,712</b> |
| <b>INSURANCE 3%</b>            |                                | <b>\$ 206,790</b>   | <b>\$ 210,542</b>   |
| <b>CONTINGENCY 5%</b>          |                                | <b>\$ 344,649</b>   | <b>\$ 350,904</b>   |
| <b>TAX 6.5%</b>                |                                | <b>\$ 448,044</b>   | <b>\$ 456,175</b>   |
| <b>SUGGESTED BID</b>           |                                | <b>\$ 8,926,420</b> | <b>\$ 9,088,411</b> |

BASE BID



# COST BIDDING

A Mark of Excellence

| SR#                              | Drawing #     | Detail #                                                                         | DESCRIPTION                                                                                    | UNIT              | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHO UR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST     | UNIT COST     | SUB COST      |             |
|----------------------------------|---------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------|----------|---------|------------------------|------------------|----------------|---------------|---------------|---------------|---------------|-------------|
| GENERAL REQUIREMENTS             |               |                                                                                  |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
| 1                                |               |                                                                                  | Permits                                                                                        | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ -          | \$ -          |               | \$ -          |             |
| 2                                |               |                                                                                  | Supervision and Coordination                                                                   | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ -          | \$ -          | \$ 142,000.00 | \$ 142,000.00 |             |
| 3                                |               |                                                                                  | Submittals and Shop drawings                                                                   | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ -          | \$ -          | \$ 15,000.00  | \$ 15,000.00  |             |
| 4                                |               |                                                                                  | Final Cleaning                                                                                 | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ -          | \$ -          | \$ 20,000.00  | \$ 20,000.00  |             |
| 5                                |               |                                                                                  | Mobilization Costs                                                                             | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ -          | \$ -          | \$ 215,000.00 | \$ 215,000.00 |             |
| 6                                |               |                                                                                  | Temporary Control & Facilities                                                                 | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ -          | \$ -          | \$ 46,000.00  | \$ 46,000.00  |             |
| 7                                |               |                                                                                  | Scaffolding                                                                                    | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          |             |
|                                  |               |                                                                                  |                                                                                                |                   |          |         |                        |                  |                |               |               | SUBTOTAL      | \$ 438,000    |             |
| FIRE SUPPRESSION (SEE NOTE NO 3) |               |                                                                                  |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
| 8                                | FP100 & FP101 |                                                                                  | ALLOWANCE                                                                                      | LS                | 1        | 0%      | 1                      | 0.000            | \$ -           | \$ 79,932.72  | \$ 119,899.08 | \$ 199,831.80 | \$ 199,831.80 |             |
|                                  |               | Allowance For Complete Fire Protection Piping With Associate Fittings (81564 SF) |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               |                                                                                  | FIRE PROTECTION PIPE (BELOW GRADE)                                                             |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               |                                                                                  | Schedule 10 Black Steel Pipe                                                                   |                   |          |         |                        |                  |                |               |               |               |               |             |
| 9                                |               |                                                                                  | 6" Dia Fire Protection Pipe                                                                    | LF                | 12       | 10%     | 13                     | 0.571            | \$ 70.00       | \$ 39.97      | \$ 118.88     | \$ 158.85     | \$ 2,096.82   |             |
|                                  |               |                                                                                  | FIRE PROTECTION PIPE FITTINGS                                                                  |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               |                                                                                  | ELBOW                                                                                          |                   |          |         |                        |                  |                |               |               |               |               |             |
| 10                               |               |                                                                                  | 6" Dia Fire Protection Pipe 90 Deg Elbow                                                       | EA                | 1        | 0%      | 1                      | 0.960            | \$ 70.00       | \$ 67.20      | \$ 389.61     | \$ 456.81     | \$ 456.81     |             |
|                                  |               |                                                                                  | DRAIN PIPE (ABOVE GRADE)                                                                       |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               | Assumed                                                                          | Type "L" Copper Pipe With Soldered Joints                                                      |                   |          |         |                        |                  |                |               |               |               |               |             |
| 11                               |               |                                                                                  | 2" Dia Drain Pipe                                                                              | LF                | 6        | 10%     | 7                      | 0.190            | \$ 70.00       | \$ 13.30      | \$ 17.88      | \$ 31.18      | \$ 205.79     |             |
|                                  |               |                                                                                  | DRAIN PIPE FITTINGS                                                                            |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               |                                                                                  | ELBOW                                                                                          |                   |          |         |                        |                  |                |               |               |               |               |             |
| 12                               |               |                                                                                  | 2" Dia Drain Pipe 90 Deg Elbow                                                                 | EA                | 1        | 0%      | 1                      | 0.727            | \$ 70.00       | \$ 50.89      | \$ 21.48      | \$ 72.37      | \$ 72.37      |             |
| 13                               |               |                                                                                  | 2" Dia Drain Pipe 45 Deg Elbow                                                                 | EA                | 1        | 0%      | 1                      | 0.727            | \$ 70.00       | \$ 50.89      | \$ 23.48      | \$ 74.37      | \$ 74.37      |             |
|                                  |               |                                                                                  | FIRE PUMP                                                                                      |                   |          |         |                        |                  |                |               |               |               |               |             |
| 14                               |               |                                                                                  | As Required                                                                                    | Fire Booster Pump | EA       | 1       | 0%                     | 1                | 5.220          | \$ 70.00      | \$ 365.40     | \$ 4,456.62   | \$ 4,822.02   | \$ 4,822.02 |
|                                  |               |                                                                                  | SPRINKLER RISER DETAILS                                                                        |                   |          |         |                        |                  |                |               |               |               |               |             |
| 15                               |               |                                                                                  | Pressure Gauge, AMETEK, U.S. Gauge Division, 0 to 250 PSIG Minim                               | EA                | 2        | 0%      | 2                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 45.00      | \$ 67.40      | \$ 134.80     |             |
| 16                               |               |                                                                                  | Spare Head Box W/ Heads & Wrench                                                               | EA                | 1        | 0%      | 1                      | 0.250            | \$ 70.00       | \$ 17.50      | \$ 28.00      | \$ 45.50      | \$ 45.50      |             |
| 17                               |               |                                                                                  | 2" Dia Fire Department Connection (FDC), Flush Mounted Chrome Fin                              | EA                | 1        | 0%      | 1                      | 3.333            | \$ 70.00       | \$ 233.31     | \$ 785.00     | \$ 1,018.31   | \$ 1,018.31   |             |
| 18                               |               |                                                                                  | 2" Dia Butterfly Valve, FIVALCO INC., Bronze                                                   | EA                | 1        | 0%      | 1                      | 1.000            | \$ 70.00       | \$ 70.00      | \$ 365.00     | \$ 435.00     | \$ 435.00     |             |
| 19                               |               | 2" Dia Check Valve, FIVALCO INC., Bronze                                         | EA                                                                                             | 2                 | 0%       | 2       | 0.750                  | \$ 70.00         | \$ 52.50       | \$ 302.00     | \$ 354.50     | \$ 709.00     |               |             |
| 20                               |               | 2" Dia Automatic Drip Valve, NIBCO INC. End Connections: Threaded                | EA                                                                                             | 1                 | 0%       | 1       | 0.850                  | \$ 70.00         | \$ 59.50       | \$ 135.00     | \$ 194.50     | \$ 194.50     |               |             |
| 21                               |               | 2" Dia Main Drain Valve, NIBCO INC.                                              | EA                                                                                             | 1                 | 0%       | 1       | 0.980                  | \$ 70.00         | \$ 68.60       | \$ 658.00     | \$ 726.60     | \$ 726.60     |               |             |
| 22                               |               | 6" Dia Flange, Cast-Iron Flanges And Class 150, Bronze Flat-Face Flan            | EA                                                                                             | 1                 | 0%       | 1       | 0.250                  | \$ 70.00         | \$ 17.50       | \$ 85.00      | \$ 102.50     | \$ 102.50     |               |             |
|                                  |               | MISCELLANEOUS                                                                    |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               | TRENCHING & BACKFILLING:                                                         |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
| 23                               |               |                                                                                  | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT               | 36       | 0%      | 36                     | 0.085            | \$ 70.00       | \$ 5.95       | \$ -          | \$ 5.95       | \$ 214.20     |             |
|                                  |               |                                                                                  |                                                                                                |                   |          |         |                        |                  |                |               |               | SUBTOTAL      | \$ 211,440    |             |
| PLUMBING (SEE NOTE NO 4)         |               |                                                                                  |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
| 24                               | Assumed       |                                                                                  | COLD WATER PIPE (BELOW GRADE)                                                                  |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               | Copper Pipe                                                                      |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               | 3" Dia Cold Water Pipe                                                           | LF                                                                                             | 6                 | 10%      | 7       | 0.286                  | \$ 70.00         | \$ 20.02       | \$ 35.46      | \$ 55.48      | \$ 366.17     |               |             |
|                                  |               |                                                                                  | COLD WATER PIPE FITTINGS                                                                       |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               |                                                                                  | ELBOW                                                                                          |                   |          |         |                        |                  |                |               |               |               |               |             |
| 25                               |               |                                                                                  | 3" Dia Cold Water Pipe 90 Deg Elbow                                                            | EA                | 1        | 0%      | 1                      | 1.455            | \$ 70.00       | \$ 101.85     | \$ 61.44      | \$ 163.29     | \$ 163.29     |             |
|                                  |               |                                                                                  | COLD WATER PIPE (ABOVE GRADE)                                                                  |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               | Assumed                                                                          | Type "L" Copper Pipe                                                                           |                   |          |         |                        |                  |                |               |               |               |               |             |
| 26                               |               |                                                                                  | 1/2" Dia Cold Water Pipe                                                                       | LF                | 3653     | 10%     | 4018                   | 0.099            | \$ 70.00       | \$ 6.93       | \$ 3.56       | \$ 10.49      | \$ 42,151.97  |             |
| 27                               |               |                                                                                  | 3/4" Dia Cold Water Pipe                                                                       | LF                | 2736     | 10%     | 3010                   | 0.105            | \$ 70.00       | \$ 7.35       | \$ 5.00       | \$ 12.35      | \$ 37,168.56  |             |
| 28                               |               |                                                                                  | 1" Dia Cold Water Pipe                                                                         | LF                | 1018     | 10%     | 1120                   | 0.118            | \$ 70.00       | \$ 8.26       | \$ 6.84       | \$ 15.10      | \$ 16,908.98  |             |
| 29                               |               |                                                                                  | 1-1/4" Dia Cold Water Pipe                                                                     | LF                | 447      | 10%     | 492                    | 0.138            | \$ 70.00       | \$ 9.66       | \$ 9.14       | \$ 18.80      | \$ 9,243.96   |             |
| 30                               |               |                                                                                  | 1-1/2" Dia Cold Water Pipe                                                                     | LF                | 12       | 10%     | 13                     | 0.154            | \$ 70.00       | \$ 10.78      | \$ 11.39      | \$ 22.17      | \$ 292.64     |             |
| 31                               |               |                                                                                  | 3" Dia Cold Water Pipe                                                                         | LF                | 291      | 10%     | 320                    | 0.286            | \$ 70.00       | \$ 20.02      | \$ 35.46      | \$ 55.48      | \$ 17,759.15  |             |
|                                  |               |                                                                                  | Schedule 40 Steel Pipe                                                                         |                   |          |         |                        |                  |                |               |               |               |               |             |
| 32                               |               |                                                                                  | 1/2" Dia Cold Water Pipe                                                                       | LF                | 10       | 10%     | 11                     | 0.105            | \$ 70.00       | \$ 7.35       | \$ 9.86       | \$ 17.21      | \$ 189.31     |             |
| 33                               |               |                                                                                  | 3/4" Dia Cold Water Pipe                                                                       | LF                | 7        | 10%     | 8                      | 0.113            | \$ 70.00       | \$ 7.91       | \$ 11.69      | \$ 19.60      | \$ 150.92     |             |
| 34                               |               |                                                                                  | 1" Dia Cold Water Pipe                                                                         | LF                | 16       | 10%     | 18                     | 0.127            | \$ 70.00       | \$ 8.89       | \$ 13.74      | \$ 22.63      | \$ 398.29     |             |
| 35                               |               |                                                                                  | 1-1/2" Dia Cold Water Pipe                                                                     | LF                | 43       | 10%     | 47                     | 0.157            | \$ 70.00       | \$ 10.99      | \$ 20.98      | \$ 31.97      | \$ 1,512.18   |             |
|                                  |               |                                                                                  | 1" Thick Flexible Elastomeric Insulation                                                       |                   |          |         |                        |                  |                |               |               |               |               |             |
| 36                               |               |                                                                                  | 1/2" Dia Cold Water Pipe                                                                       | LF                | 3653     | 10%     | 4018                   | 0.067            | \$ 70.00       | \$ 4.69       | \$ 2.47       | \$ 7.16       | \$ 28,771.03  |             |
| 37                               |               |                                                                                  | 3/4" Dia Cold Water Pipe                                                                       | LF                | 2736     | 10%     | 3010                   | 0.070            | \$ 70.00       | \$ 4.90       | \$ 2.72       | \$ 7.62       | \$ 22,933.15  |             |
| 38                               |               | 1" Dia Cold Water Pipe                                                           | LF                                                                                             | 1018              | 10%      | 1120    | 0.073                  | \$ 70.00         | \$ 5.11        | \$ 2.85       | \$ 7.96       | \$ 8,913.61   |               |             |
| 39                               |               | 1-1/4" Dia Cold Water Pipe                                                       | LF                                                                                             | 447               | 10%      | 492     | 0.073                  | \$ 70.00         | \$ 5.11        | \$ 3.15       | \$ 8.26       | \$ 4,061.44   |               |             |
| 40                               |               | 1-1/2" Dia Cold Water Pipe                                                       | LF                                                                                             | 12                | 10%      | 13      | 0.073                  | \$ 70.00         | \$ 5.11        | \$ 3.39       | \$ 8.50       | \$ 112.20     |               |             |
| 41                               |               | 3" Dia Cold Water Pipe                                                           | LF                                                                                             | 291               | 10%      | 320     | 0.089                  | \$ 70.00         | \$ 6.23        | \$ 4.40       | \$ 10.63      | \$ 3,402.66   |               |             |
|                                  |               | 1" Thick Flexible Elastomeric Insulation                                         |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
| 42                               | Assumed       | 1/2" Dia Cold Water Pipe                                                         | LF                                                                                             | 10                | 10%      | 11      | 0.067                  | \$ 70.00         | \$ 4.69        | \$ 2.47       | \$ 7.16       | \$ 78.76      |               |             |
| 43                               |               | 3/4" Dia Cold Water Pipe                                                         | LF                                                                                             | 7                 | 10%      | 8       | 0.070                  | \$ 70.00         | \$ 4.90        | \$ 2.72       | \$ 7.62       | \$ 58.67      |               |             |
| 44                               |               | 1" Dia Cold Water Pipe                                                           | LF                                                                                             | 16                | 10%      | 18      | 0.073                  | \$ 70.00         | \$ 5.11        | \$ 2.85       | \$ 7.96       | \$ 140.10     |               |             |
| 45                               |               | 1-1/2" Dia Cold Water Pipe                                                       | LF                                                                                             | 43                | 10%      | 47      | 0.073                  | \$ 70.00         | \$ 5.11        | \$ 3.39       | \$ 8.50       | \$ 402.05     |               |             |
|                                  |               |                                                                                  | COLD WATER PIPE FITTINGS                                                                       |                   |          |         |                        |                  |                |               |               |               |               |             |
| 46                               |               |                                                                                  | 1/2" Dia Cold Water Pipe 90 Deg Elbow                                                          | EA                | 807      | 0%      | 807                    | 0.400            | \$ 70.00       | \$ 28.00      | \$ 1.21       | \$ 29.21      | \$ 23,572.47  |             |
| 47                               |               |                                                                                  | 3/4" Dia Cold Water Pipe 90 Deg Elbow                                                          | EA                | 151      | 0%      | 151                    | 0.421            | \$ 70.00       | \$ 29.47      | \$ 2.62       | \$ 32.09      | \$ 4,845.59   |             |
| 48                               |               |                                                                                  | 1" Dia Cold Water Pipe 90 Deg Elbow                                                            | EA                | 11       | 0%      | 11                     | 0.500            | \$ 70.00       | \$ 35.00      | \$ 5.94       | \$ 40.94      | \$ 450.34     |             |
| 49                               |               |                                                                                  | 1-1/4" Dia Cold Water Pipe 90 Deg Elbow                                                        | EA                | 27       | 0%      | 27                     | 0.533            | \$ 70.00       | \$ 37.31      | \$ 8.29       | \$ 45.60      | \$ 1,231.20   |             |
| 50                               |               |                                                                                  | 1-1/2" Dia Cold Water Pipe 90 Deg Elbow                                                        | EA                | 5        | 0%      | 5                      | 0.615            | \$ 70.00       | \$ 43.05      | \$ 14.24      | \$ 57.29      | \$ 286.45     |             |
| 51                               |               |                                                                                  | 3" Dia Cold Water Pipe 90 Deg Elbow                                                            | EA                | 5        | 0%      | 5                      | 1.455            | \$ 70.00       | \$ 101.85     | \$ 61.44      | \$ 163.29     | \$ 816.45     |             |
|                                  |               |                                                                                  | TEE                                                                                            |                   |          |         |                        |                  |                |               |               |               |               |             |
| 52                               |               |                                                                                  | 1/2" Dia Cold Water Pipe Tee                                                                   | EA                | 5        | 0%      | 5                      | 0.615            | \$ 70.00       | \$ 43.05      | \$ 1.89       | \$ 44.94      | \$ 224.70     |             |
| 53                               |               |                                                                                  | 3/4" Dia Cold Water Pipe Tee                                                                   | EA                | 113      | 0%      | 113                    | 0.667            | \$ 70.00       | \$ 46.69      | \$ 4.52       | \$ 51.21      | \$ 5,786.73   |             |
| 54                               |               |                                                                                  | 1" Dia Cold Water Pipe Tee                                                                     | EA                | 8        | 0%      | 8                      | 0.800            | \$ 70.00       | \$ 56.00      | \$ 13.64      | \$ 69.64      | \$ 557.12     |             |
| 55                               |               |                                                                                  | 3" Dia Cold Water Pipe Tee                                                                     | EA                | 5        | 0%      | 5                      | 2.286            | \$ 70.00       | \$ 160.02     | \$ 127.87     | \$ 287.89     | \$ 1,439.45   |             |
| 56                               |               |                                                                                  | 3/4" / 1/2" Dia Cold Water Pipe Tee                                                            | EA                | 114      | 0%      | 114                    | 0.571            | \$ 70.00       | \$ 39.97      | \$ 6.64       | \$ 46.61      | \$ 5,313.54   |             |
| 57                               |               |                                                                                  | 1" / 1/2" Dia Cold Water Pipe Tee                                                              | EA                | 1        | 0%      | 1                      | 0.571            | \$ 70.00       | \$ 39.97      | \$ 6.64       | \$ 46.61      | \$ 46.61      |             |
| 58                               |               |                                                                                  | 1" / 3/4" Dia Cold Water Pipe Tee                                                              | EA                | 75       | 0%      | 75                     | 0.667            | \$ 70.00       | \$ 46.69      | \$ 3.83       | \$ 50.52      | \$ 3,789.00   |             |
| 59                               |               |                                                                                  | 1-1/4" / 3/4" Dia Cold Water Pipe Tee                                                          | EA                | 26       | 0%      | 26                     | 0.667            | \$ 70.00       | \$ 46.69      | \$ 3.83       | \$ 50.52      | \$ 1,313.52   |             |
| 60                               |               |                                                                                  | 1-1/2" / 1/2" Dia Cold Water Pipe Tee                                                          | EA                | 4        | 0%      | 4                      | 0.571            | \$ 70.00       | \$ 39.97      | \$ 6.64       | \$ 46.61      | \$ 186.44     |             |
| 61                               |               |                                                                                  | 3" / 1/2" Dia Cold Water Pipe Tee                                                              | EA                | 2        | 0%      | 2                      | 0.571            | \$ 70.00       | \$ 39.97      | \$ 6.64       | \$ 46.61      | \$ 93.22      |             |
| 62                               |               | 3" / 3/4" Dia Cold Water Pipe Tee                                                | EA                                                                                             | 2                 | 0%       | 2       | 0.667                  | \$ 70.00         | \$ 46.69       | \$ 3.83       | \$ 50.52      | \$ 101.04     |               |             |
| 63                               |               | 3" / 1" Dia Cold Water Pipe Tee                                                  | EA                                                                                             | 4                 | 0%       | 4       | 0.727                  | \$ 70.00         | \$ 50.89       | \$ 8.39       | \$ 59.28      | \$ 237.12     |               |             |
| 64                               |               | 3" / 1-1/4" Dia Cold Water Pipe Tee                                              | EA                                                                                             | 28                | 0%       | 28      | 0.800                  | \$ 70.00         | \$ 56.00       | \$ 13.09      | \$ 69.09      | \$ 1,934.52   |               |             |
|                                  |               | REDUCER                                                                          |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
| 65                               |               | 3/4" / 1/2" Dia Cold Water Pipe Reducer                                          | EA                                                                                             | 223               | 0%       | 223     | 0.348                  | \$ 70.00         | \$ 24.36       | \$ 1.36       | \$ 25.72      | \$ 5,735.56   |               |             |
| 66                               |               | 1" / 3/4" Dia Cold Water Pipe Reducer                                            | EA                                                                                             | 3                 | 0%       | 3       | 0.372                  | \$ 70.00         | \$ 26.04       | \$ 2.41       | \$ 28.45      | \$ 85.35      |               |             |
| 67                               |               | 1-1/4" / 3/4" Dia Cold Water Pipe Reducer                                        | EA                                                                                             | 1                 | 0%       | 1       | 0.372                  | \$ 70.00         | \$ 26.04       | \$ 2.41       | \$ 28.45      | \$ 28.45      |               |             |
| 68                               |               | 1-1/4" / 1" Dia Cold Water Pipe Reducer                                          | EA                                                                                             | 25                | 0%       | 25      | 0.410                  | \$ 70.00         | \$ 28.70       | \$ 3.29       | \$ 31.99      | \$ 799.75     |               |             |
| 69                               |               | 1-1/2" / 3/4" Dia Cold Water Pipe Reducer                                        | EA                                                                                             | 1                 | 0%       | 1       | 0.372                  | \$ 70.00         | \$ 26.04       | \$ 2.41       | \$ 28.45      | \$ 28.45      |               |             |
| 70                               |               | 1-1/2" / 1" Dia Cold Water Pipe Reducer                                          | EA                                                                                             | 1                 | 0%       | 1       | 0.410                  | \$ 70.00         | \$ 28.70       | \$ 3.29       | \$ 31.99      | \$ 31.99      |               |             |
| 71                               |               | 3" / 1-1/2" Dia Cold Water Pipe Reducer                                          | EA                                                                                             | 1                 | 0%       | 1       | 0.500                  | \$ 70.00         | \$ 35.00       | \$ 8.19       | \$ 43.19      | \$ 43.19      |               |             |
|                                  |               | FOU WATER PIPE (ABOVE GRADE)                                                     |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
|                                  |               | Type "L" Copper Pipe                                                             |                                                                                                |                   |          |         |                        |                  |                |               |               |               |               |             |
| 72                               | Assumed       | 1/2" Dia Hot Water Pipe                                                          | LF                                                                                             | 2425              | 10%      | 2668    | 0.099                  | \$ 70.00         | \$ 6.93        | \$ 3.56       | \$ 10.49      | \$ 27,992.08  |               |             |
| 73                               |               | 3/4" Dia Hot Water Pipe                                                          | LF                                                                                             | 2922              | 10%      | 3214    | 0.105                  | \$ 70.00         | \$ 7.35        | \$ 5.00       | \$ 12.35      | \$ 39,695.37  |               |             |
| 74                               |               | 1" Dia Hot Water Pipe                                                            | LF                                                                                             | 1006              | 10%      | 1107    | 0.118                  | \$ 70.00         | \$ 8.26        | \$ 6.84       | \$ 15.10      | \$ 16,709.66  |               |             |
| 75                               |               | 1-1/4" Dia Hot Water Pipe                                                        | LF                                                                                             | 186               | 10%      | 205     | 0.138                  | \$ 70.00         | \$ 9.66        | \$ 9.14       | \$ 18.80      | \$ 3,846.48   |               |             |
| 76                               |               | 1-1/2" Dia Hot Water Pipe                                                        | LF                                                                                             | 84                | 10%      | 92      | 0.154                  | \$ 70.00         | \$ 10.78       | \$ 11.39      | \$ 22.17      | \$ 2,048.51   |               |             |

| SR # | Drawing # | Detail # | DESCRIPTION                                     | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST | UNIT COST | SUB COST     |
|------|-----------|----------|-------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|---------------|-----------|-----------|--------------|
| 77   |           |          | 2" Dia Hot Water Pipe                           | LF   | 68       | 10%     | 75                     | 0.190           | \$ 70.00       | \$ 13.30      | \$ 17.88  | \$ 31.18  | \$ 2,332.26  |
| 78   |           |          | 2-1/2" Dia Hot Water Pipe                       | LF   | 79       | 10%     | 87                     | 0.258           | \$ 70.00       | \$ 18.06      | \$ 25.47  | \$ 43.53  | \$ 3,782.76  |
|      |           |          | <b>1" Thick Flexible Elastomeric Insulation</b> |      |          |         |                        |                 |                |               |           |           |              |
| 79   |           |          | 1/2" Dia Hot Water Pipe                         | LF   | 2425     | 10%     | 2668                   | 0.067           | \$ 70.00       | \$ 469        | \$ 2.47   | \$ 716    | \$ 19,099.30 |
| 80   |           |          | 3/4" Dia Hot Water Pipe                         | LF   | 2922     | 10%     | 3214                   | 0.070           | \$ 70.00       | \$ 490        | \$ 2.72   | \$ 762    | \$ 24,492.20 |
| 81   |           |          | 1" Dia Hot Water Pipe                           | LF   | 1006     | 10%     | 1107                   | 0.073           | \$ 70.00       | \$ 511        | \$ 2.85   | \$ 796    | \$ 8,808.54  |
| 82   |           |          | 1-1/4" Dia Hot Water Pipe                       | LF   | 186      | 10%     | 205                    | 0.073           | \$ 70.00       | \$ 511        | \$ 3.15   | \$ 826    | \$ 1,690.00  |
| 83   |           |          | 1-1/2" Dia Hot Water Pipe                       | LF   | 84       | 10%     | 92                     | 0.073           | \$ 70.00       | \$ 511        | \$ 3.30   | \$ 850    | \$ 785.40    |
| 84   |           |          | 2" Dia Hot Water Pipe                           | LF   | 68       | 10%     | 75                     | 0.080           | \$ 70.00       | \$ 560        | \$ 3.64   | \$ 924    | \$ 691.15    |
| 85   |           |          | 2-1/2" Dia Hot Water Pipe                       | LF   | 79       | 10%     | 87                     | 0.084           | \$ 70.00       | \$ 588        | \$ 4.10   | \$ 998    | \$ 867.26    |
|      |           |          | <b>HOT WATER PIPE FITTINGS</b>                  |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 86   |           |          | 1/2" Dia Hot Water Pipe 90 Deg Elbow            | EA   | 576      | 0%      | 576                    | 0.400           | \$ 70.00       | \$ 28.00      | \$ 1.21   | \$ 29.21  | \$ 16,824.96 |
| 87   |           |          | 3/4" Dia Hot Water Pipe 90 Deg Elbow            | EA   | 257      | 0%      | 257                    | 0.421           | \$ 70.00       | \$ 29.47      | \$ 2.62   | \$ 32.09  | \$ 8,247.13  |
| 88   |           |          | 1" Dia Hot Water Pipe 90 Deg Elbow              | EA   | 25       | 0%      | 25                     | 0.500           | \$ 70.00       | \$ 35.00      | \$ 5.94   | \$ 40.94  | \$ 1,023.50  |
| 89   |           |          | 1-1/4" Dia Hot Water Pipe 90 Deg Elbow          | EA   | 5        | 0%      | 5                      | 0.533           | \$ 70.00       | \$ 37.31      | \$ 8.29   | \$ 45.60  | \$ 228.00    |
| 90   |           |          | 2-1/2" Dia Hot Water Pipe 90 Deg Elbow          | EA   | 3        | 0%      | 3                      | 1.231           | \$ 70.00       | \$ 86.17      | \$ 44.96  | \$ 131.13 | \$ 393.39    |
|      |           |          | <b>TEE</b>                                      |      |          |         |                        |                 |                |               |           |           |              |
| 91   |           |          | 1/2" Dia Hot Water Pipe Tee                     | EA   | 2        | 0%      | 2                      | 0.615           | \$ 70.00       | \$ 43.05      | \$ 1.89   | \$ 44.94  | \$ 89.88     |
| 92   |           |          | 3/4" Dia Hot Water Pipe Tee                     | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 4.52   | \$ 51.21  | \$ 51.21     |
| 93   |           |          | 1" Dia Hot Water Pipe Tee                       | EA   | 1        | 0%      | 1                      | 0.800           | \$ 70.00       | \$ 56.00      | \$ 13.64  | \$ 69.64  | \$ 69.64     |
| 94   |           |          | 1-1/4" Dia Hot Water Pipe Tee                   | EA   | 1        | 0%      | 1                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 15.43  | \$ 77.66  | \$ 77.66     |
| 95   |           |          | 3/4" / 1/2" Dia Hot Water Pipe Tee              | EA   | 112      | 0%      | 112                    | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 5,220.32  |
| 96   |           |          | 1" / 3/4" Dia Hot Water Pipe Tee                | EA   | 100      | 0%      | 100                    | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 5,052.00  |
| 97   |           |          | 1-1/4" / 1/2" Dia Hot Water Pipe Tee            | EA   | 3        | 0%      | 3                      | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 139.83    |
| 98   |           |          | 1-1/4" / 3/4" Dia Hot Water Pipe Tee            | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 50.52     |
| 99   |           |          | 1-1/4" / 1" Dia Hot Water Pipe Tee              | EA   | 3        | 0%      | 3                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 177.84    |
| 100  |           |          | 1-1/2" / 3/4" Dia Hot Water Pipe Tee            | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 50.52     |
| 101  |           |          | 1-1/2" / 1" Dia Hot Water Pipe Tee              | EA   | 8        | 0%      | 8                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 474.24    |
| 102  |           |          | 2" / 1/2" Dia Hot Water Pipe Tee                | EA   | 1        | 0%      | 1                      | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 46.61     |
| 103  |           |          | 2" / 3/4" Dia Hot Water Pipe Tee                | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 50.52     |
| 104  |           |          | 2" / 1" Dia Hot Water Pipe Tee                  | EA   | 8        | 0%      | 8                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 474.24    |
| 105  |           |          | 2-1/2" / 3/4" Dia Hot Water Pipe Tee            | EA   | 2        | 0%      | 2                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 101.04    |
| 106  |           |          | 2-1/2" / 1" Dia Hot Water Pipe Tee              | EA   | 6        | 0%      | 6                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 355.68    |
|      |           |          | <b>REDUCER</b>                                  |      |          |         |                        |                 |                |               |           |           |              |
| 107  |           |          | 3/4" / 1/2" Dia Hot Water Pipe Reducer          | EA   | 113      | 0%      | 113                    | 0.348           | \$ 70.00       | \$ 24.36      | \$ 1.36   | \$ 25.72  | \$ 2,906.36  |
| 108  |           |          | 1" / 3/4" Dia Hot Water Pipe Reducer            | EA   | 50       | 0%      | 50                     | 0.372           | \$ 70.00       | \$ 26.04      | \$ 2.41   | \$ 28.45  | \$ 1,422.50  |
| 109  |           |          | 1-1/4" / 3/4" Dia Hot Water Pipe Reducer        | EA   | 1        | 0%      | 1                      | 0.372           | \$ 70.00       | \$ 26.04      | \$ 2.41   | \$ 28.45  | \$ 28.45     |
| 110  |           |          | 1-1/4" / 1" Dia Hot Water Pipe Reducer          | EA   | 1        | 0%      | 1                      | 0.410           | \$ 70.00       | \$ 28.70      | \$ 3.29   | \$ 31.99  | \$ 31.99     |
| 111  |           |          | 1-1/4" / 1-1/2" Dia Hot Water Pipe Reducer      | EA   | 1        | 0%      | 1                      | 0.500           | \$ 70.00       | \$ 35.00      | \$ 8.19   | \$ 43.19  | \$ 43.19     |
| 112  |           |          | 2" / 1-1/2" Dia Hot Water Pipe Reducer          | EA   | 1        | 0%      | 1                      | 0.500           | \$ 70.00       | \$ 35.00      | \$ 8.19   | \$ 43.19  | \$ 43.19     |
| 113  |           |          | 2" / 2-1/2" Dia Hot Water Pipe Reducer          | EA   | 1        | 0%      | 1                      | 0.615           | \$ 70.00       | \$ 43.05      | \$ 28.97  | \$ 72.02  | \$ 72.02     |
|      |           |          | <b>HOT WATER RETURN PIPE (ABOVE GRADE)</b>      |      |          |         |                        |                 |                |               |           |           |              |
|      | Assumed   |          | <b>Type "L" Copper Pipe</b>                     |      |          |         |                        |                 |                |               |           |           |              |
| 114  |           |          | 1/2" Dia Hot Water Return Pipe                  | LF   | 1316     | 10%     | 1448                   | 0.099           | \$ 70.00       | \$ 6.93       | \$ 3.56   | \$ 10.49  | \$ 15,185.32 |
| 115  |           |          | 3/4" Dia Hot Water Return Pipe                  | LF   | 31       | 10%     | 34                     | 0.105           | \$ 70.00       | \$ 7.35       | \$ 5.00   | \$ 12.35  | \$ 421.14    |
| 116  |           |          | 1" Dia Hot Water Return Pipe                    | LF   | 256      | 10%     | 282                    | 0.118           | \$ 70.00       | \$ 8.26       | \$ 6.84   | \$ 15.10  | \$ 4,252.16  |
| 117  |           |          | 1-1/4" Dia Hot Water Return Pipe                | LF   | 80       | 10%     | 88                     | 0.138           | \$ 70.00       | \$ 9.66       | \$ 9.14   | \$ 18.80  | \$ 1,654.40  |
|      |           |          | <b>1" Thick Flexible Elastomeric Insulation</b> |      |          |         |                        |                 |                |               |           |           |              |
| 118  |           |          | 1/2" Dia Hot Water Return Pipe                  | LF   | 1316     | 10%     | 1448                   | 0.067           | \$ 70.00       | \$ 469        | \$ 2.47   | \$ 716    | \$ 10,364.82 |
| 119  |           |          | 3/4" Dia Hot Water Return Pipe                  | LF   | 31       | 10%     | 34                     | 0.070           | \$ 70.00       | \$ 490        | \$ 2.72   | \$ 762    | \$ 259.84    |
| 120  |           |          | 1" Dia Hot Water Return Pipe                    | LF   | 256      | 10%     | 282                    | 0.073           | \$ 70.00       | \$ 511        | \$ 2.85   | \$ 796    | \$ 2,241.54  |
| 121  |           |          | 1-1/4" Dia Hot Water Return Pipe                | LF   | 80       | 10%     | 88                     | 0.076           | \$ 70.00       | \$ 532        | \$ 3.15   | \$ 847    | \$ 745.36    |
|      |           |          | <b>HOT WATER RETURN PIPE FITTINGS</b>           |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 122  |           |          | 1/2" Dia Hot Water Return Pipe 90 Deg Elbow     | EA   | 25       | 0%      | 25                     | 0.400           | \$ 70.00       | \$ 28.00      | \$ 1.21   | \$ 29.21  | \$ 730.25    |
| 123  |           |          | 1" Dia Hot Water Return Pipe 90 Deg Elbow       | EA   | 2        | 0%      | 2                      | 0.500           | \$ 70.00       | \$ 35.00      | \$ 5.94   | \$ 40.94  | \$ 81.88     |
| 124  |           |          | 1-1/4" Dia Hot Water Return Pipe 90 Deg Elbow   | EA   | 3        | 0%      | 3                      | 0.533           | \$ 70.00       | \$ 37.31      | \$ 8.29   | \$ 45.60  | \$ 136.80    |
|      |           |          | <b>TEE</b>                                      |      |          |         |                        |                 |                |               |           |           |              |
| 125  |           |          | 1/2" Dia Hot Water Return Pipe Tee              | EA   | 1        | 0%      | 1                      | 0.615           | \$ 70.00       | \$ 43.05      | \$ 1.89   | \$ 44.94  | \$ 44.94     |
| 126  |           |          | 3/4" / 1/2" Dia Hot Water Return Pipe Tee       | EA   | 29       | 0%      | 29                     | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 1,351.69  |
| 127  |           |          | 1" / 1/2" Dia Hot Water Return Pipe Tee         | EA   | 14       | 0%      | 14                     | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 652.54    |
| 128  |           |          | 1-1/4" / 1" Dia Hot Water Return Pipe Tee       | EA   | 6        | 0%      | 6                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 355.68    |
|      |           |          | <b>REDUCER</b>                                  |      |          |         |                        |                 |                |               |           |           |              |
| 129  |           |          | 3/4" / 1/2" Dia Hot Water Return Pipe Reducer   | EA   | 1        | 0%      | 1                      | 0.348           | \$ 70.00       | \$ 24.36      | \$ 1.36   | \$ 25.72  | \$ 25.72     |
| 130  |           |          | 1" / 3/4" Dia Hot Water Return Pipe Reducer     | EA   | 1        | 0%      | 1                      | 0.372           | \$ 70.00       | \$ 26.04      | \$ 2.41   | \$ 28.45  | \$ 28.45     |
| 131  |           |          | 1-1/4" / 1" Dia Hot Water Return Pipe Reducer   | EA   | 1        | 0%      | 1                      | 0.410           | \$ 70.00       | \$ 28.70      | \$ 3.29   | \$ 31.99  | \$ 31.99     |
|      |           |          | <b>WASTE PIPE (BELOW GRADE)</b>                 |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>Service Class Cast Iron No-Hub Pipe</b>      |      |          |         |                        |                 |                |               |           |           |              |
| 132  |           |          | 3" Dia Waste Pipe                               | LF   | 219      | 10%     | 241                    | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98  | \$ 38.48  | \$ 9,269.83  |
| 133  |           |          | 4" Dia Waste Pipe                               | LF   | 467      | 10%     | 514                    | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97  | \$ 46.29  | \$ 23,779.17 |
| 134  |           |          | 6" Dia Waste Pipe                               | LF   | 349      | 10%     | 384                    | 0.304           | \$ 70.00       | \$ 21.28      | \$ 42.46  | \$ 63.74  | \$ 17,468.39 |
|      |           |          | <b>WASTE PIPE FITTINGS</b>                      |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 135  |           |          | 2" Dia Waste Pipe 90 Deg Elbow                  | EA   | 8        | 0%      | 8                      | 1.000           | \$ 70.00       | \$ 70.00      | \$ 46.95  | \$ 116.95 | \$ 935.60    |
| 136  |           |          | 3" Dia Waste Pipe 90 Deg Elbow                  | EA   | 27       | 0%      | 27                     | 1.143           | \$ 70.00       | \$ 80.01      | \$ 59.44  | \$ 139.45 | \$ 3,766.15  |
| 137  |           |          | 4" Dia Waste Pipe 90 Deg Elbow                  | EA   | 49       | 0%      | 49                     | 1.231           | \$ 70.00       | \$ 86.17      | \$ 93.41  | \$ 179.58 | \$ 8,799.42  |
| 138  |           |          | 6" Dia Waste Pipe 90 Deg Elbow                  | EA   | 1        | 0%      | 1                      | 1.412           | \$ 70.00       | \$ 98.84      | \$ 161.84 | \$ 260.68 | \$ 260.68    |
| 139  |           |          | 3" Dia Waste Pipe 45 Deg Elbow                  | EA   | 27       | 0%      | 27                     | 1.143           | \$ 70.00       | \$ 80.01      | \$ 49.45  | \$ 129.46 | \$ 3,495.42  |
| 140  |           |          | 4" Dia Waste Pipe 45 Deg Elbow                  | EA   | 32       | 0%      | 32                     | 1.231           | \$ 70.00       | \$ 86.17      | \$ 72.93  | \$ 159.10 | \$ 5,091.20  |
| 141  |           |          | 6" Dia Waste Pipe 45 Deg Elbow                  | EA   | 3        | 0%      | 3                      | 1.412           | \$ 70.00       | \$ 98.84      | \$ 122.88 | \$ 221.72 | \$ 665.16    |
|      |           |          | <b>WYE</b>                                      |      |          |         |                        |                 |                |               |           |           |              |
| 142  |           |          | 3" Dia Waste Pipe Wye                           | EA   | 7        | 0%      | 7                      | 1.778           | \$ 70.00       | \$ 124.46     | \$ 100.90 | \$ 225.36 | \$ 1,577.52  |
| 143  |           |          | 4" Dia Waste Pipe Wye                           | EA   | 11       | 0%      | 11                     | 2.000           | \$ 70.00       | \$ 140.00     | \$ 122.88 | \$ 262.88 | \$ 2,891.68  |
| 144  |           |          | 6" Dia Waste Pipe Wye                           | EA   | 2        | 0%      | 2                      | 2.182           | \$ 70.00       | \$ 152.74     | \$ 277.72 | \$ 430.46 | \$ 880.92    |
| 145  |           |          | 3" / 2" Dia Waste Pipe Wye                      | EA   | 5        | 0%      | 5                      | 1.600           | \$ 70.00       | \$ 112.00     | \$ 86.41  | \$ 198.41 | \$ 982.05    |
| 146  |           |          | 4" / 3" Dia Waste Pipe Wye                      | EA   | 11       | 0%      | 11                     | 1.778           | \$ 70.00       | \$ 124.46     | \$ 112.89 | \$ 237.35 | \$ 2,610.85  |
| 147  |           |          | 6" / 3" Dia Waste Pipe Wye                      | EA   | 8        | 0%      | 8                      | 2.182           | \$ 70.00       | \$ 152.74     | \$ 225.77 | \$ 378.51 | \$ 3,028.08  |
| 148  |           |          | 6" / 4" Dia Waste Pipe Wye                      | EA   | 20       | 0%      | 20                     | 2.400           | \$ 70.00       | \$ 168.00     | \$ 314.69 | \$ 482.69 | \$ 9,653.80  |
|      |           |          | <b>REDUCER</b>                                  |      |          |         |                        |                 |                |               |           |           |              |
| 149  |           |          | 4" / 3" Dia Waste Pipe Reducer                  | EA   | 2        | 0%      | 2                      | 1.143           | \$ 70.00       | \$ 80.01      | \$ 56.44  | \$ 136.45 | \$ 272.90    |
| 150  |           |          | 6" / 4" Dia Waste Pipe Reducer                  | EA   | 1        | 0%      | 1                      | 1.280           | \$ 70.00       | \$ 89.60      | \$ 114.89 | \$ 204.49 | \$ 204.49    |
|      |           |          | <b>WASTE PIPE (ABOVE GRADE)</b>                 |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>Cast Iron No-Hub Pipe</b>                    |      |          |         |                        |                 |                |               |           |           |              |
| 151  |           |          | 1-1/2" Dia Waste Pipe                           | LF   | 13       | 10%     | 14                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19  | \$ 26.94  | \$ 385.24    |
| 152  |           |          | 2" Dia Waste Pipe                               | LF   | 952      | 10%     | 1047                   | 0.239           | \$ 70.00       | \$ 16.73      | \$ 11.74  | \$ 28.47  | \$ 29,813.78 |
| 153  |           |          | 3" Dia Waste Pipe                               | LF   | 2237     | 10%     | 2461                   | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98  | \$ 38.48  | \$ 94,687.74 |
| 154  |           |          | 4" Dia Waste Pipe                               | LF   | 1581     | 10%     | 1739                   | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97  | \$ 46.29  | \$ 80,502.94 |
| 155  |           |          | 6" Dia Waste Pipe                               | LF   | 8        | 10%     | 9                      | 0.304           | \$ 70.00       | \$ 21.28      | \$ 42.46  | \$ 63.74  | \$ 569.91    |
|      |           |          | <b>WASTE PIPE FITTINGS</b>                      |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 156  |           |          | 2" Dia Waste Pipe 90 Deg Elbow                  | EA   | 333      | 0%      | 333                    | 1.000           | \$ 70.00       | \$ 70.00      | \$ 46.95  | \$ 116.95 | \$ 38,944.35 |
| 157  |           |          | 3" Dia Waste Pipe 90 Deg Elbow                  | EA   | 355      | 0%      | 355                    | 1.143           | \$ 70.00       | \$ 80.01      | \$ 59.44  | \$ 139.45 | \$ 49,504.75 |
| 158  |           |          | 1-1/2" Dia Waste Pipe 45 Deg Elbow              | EA   | 3        | 0%      | 3                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 25.23  | \$ 87.46  | \$ 262.38    |
| 159  |           |          | 2" Dia Waste Pipe 45 Deg Elbow                  | EA   | 8        | 0%      | 8                      | 1.00            |                |               |           |           |              |

| SR# | Drawing #                                                                         | Detail #                                      | DESCRIPTION                                 | UNIT                                | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST   | UNIT COST    | SUB COST     |  |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------|-------------------------------------|----------|---------|------------------------|-----------------|----------------|---------------|-------------|--------------|--------------|--|
| 171 | P101, P102,<br>P103, P104,<br>P105, P106,<br>P201, P301,<br>P302, P402, &<br>P501 |                                               | 4" / 3" Dia Waste Pipe Reducer              | EA                                  | 1        | 0%      | 1                      | 1.143           | \$ 70.00       | \$ 80.01      | \$ 56.44    | \$ 136.45    | \$ 136.45    |  |
|     |                                                                                   |                                               | GREASE WASTE PIPE (BELOW GRADE)             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Service Class Cast Iron No-Hub Pipe         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 172 |                                                                                   |                                               | 3" Dia Grease Waste Pipe                    | LF                                  | 58       | 10%     | 64                     | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98    | \$ 38.40     | \$ 2,456.02  |  |
| 173 |                                                                                   |                                               | 4" Dia Grease Waste Pipe                    | LF                                  | 134      | 10%     | 147                    | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97    | \$ 46.29     | \$ 6,823.15  |  |
|     |                                                                                   |                                               | GREASE WASTE PIPE FITTINGS                  |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 174 |                                                                                   |                                               | 3" Dia Grease Waste Pipe 90 Deg Elbow       | EA                                  | 4        | 0%      | 4                      | 1.143           | \$ 70.00       | \$ 80.01      | \$ 59.44    | \$ 139.45    | \$ 557.80    |  |
| 175 |                                                                                   |                                               | 3" Dia Grease Waste Pipe 45 Deg Elbow       | EA                                  | 11       | 0%      | 11                     | 1.143           | \$ 70.00       | \$ 80.01      | \$ 49.45    | \$ 129.46    | \$ 1,424.06  |  |
| 176 |                                                                                   |                                               | 4" Dia Grease Waste Pipe 45 Deg Elbow       | EA                                  | 5        | 0%      | 5                      | 1.231           | \$ 70.00       | \$ 86.17      | \$ 72.93    | \$ 159.10    | \$ 795.50    |  |
|     |                                                                                   |                                               | WYE                                         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 177 |                                                                                   |                                               | 3" Dia Grease Waste Pipe Wye                | EA                                  | 3        | 0%      | 3                      | 1.778           | \$ 70.00       | \$ 124.46     | \$ 100.90   | \$ 225.36    | \$ 676.08    |  |
| 178 |                                                                                   |                                               | 4" Dia Grease Waste Pipe Wye                | EA                                  | 1        | 0%      | 1                      | 2.000           | \$ 70.00       | \$ 140.00     | \$ 122.88   | \$ 262.88    | \$ 262.88    |  |
| 179 |                                                                                   |                                               | 3" / 2" Dia Grease Waste Pipe Wye           | EA                                  | 2        | 0%      | 2                      | 1.600           | \$ 70.00       | \$ 112.00     | \$ 86.41    | \$ 198.41    | \$ 396.82    |  |
|     |                                                                                   |                                               | INDIRECT WASTE PIPE (ABOVE GRADE)           |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 180 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe              | LF                                  | 14       | 10%     | 15                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19    | \$ 26.94     | \$ 414.30    |  |
|     |                                                                                   |                                               | INDIRECT WASTE PIPE FITTINGS                |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 181 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe 90 Deg Elbow | EA                                  | 3        | 0%      | 3                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 22.12    | \$ 84.35     | \$ 253.05    |  |
| 182 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe 45 Deg Elbow | EA                                  | 1        | 0%      | 1                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 25.23    | \$ 87.46     | \$ 87.46     |  |
|     |                                                                                   |                                               | WYE                                         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 183 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe Wye          | EA                                  | 1        | 0%      | 1                      | 1.200           | \$ 70.00       | \$ 84.00      | \$ 45.00    | \$ 129.00    | \$ 129.00    |  |
|     |                                                                                   |                                               | PUMPED DISCHARGE PIPE (ABOVE GRADE)         |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 184 |                                                                                   |                                               | 1-1/2" Dia Pumped Discharge                 | LF                                  | 29       | 10%     | 32                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19    | \$ 26.94     | \$ 859.39    |  |
|     |                                                                                   |                                               | PUMPED DISCHARGE PIPE FITTINGS              |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 185 |                                                                                   |                                               | 1-1/2" Dia Pumped Discharge 90 Deg Elbow    | EA                                  | 3        | 0%      | 3                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 22.12    | \$ 84.35     | \$ 253.05    |  |
| 186 |                                                                                   |                                               | 1-1/2" Dia Pumped Discharge 45 Deg Elbow    | EA                                  | 1        | 0%      | 1                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 25.23    | \$ 87.46     | \$ 87.46     |  |
|     |                                                                                   |                                               | VENT PIPE (ABOVE GRADE)                     |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 187 |                                                                                   |                                               | 1-1/2" Dia Vent Pipe                        | LF                                  | 36       | 10%     | 40                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19    | \$ 26.94     | \$ 1,066.82  |  |
| 188 |                                                                                   |                                               | 2" Dia Vent Pipe                            | LF                                  | 2338     | 10%     | 2594                   | 0.239           | \$ 70.00       | \$ 16.73      | \$ 11.74    | \$ 28.47     | \$ 73,845.49 |  |
| 189 |                                                                                   |                                               | 3" Dia Vent Pipe                            | LF                                  | 1563     | 10%     | 1719                   | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98    | \$ 38.40     | \$ 66,158.66 |  |
|     |                                                                                   |                                               | VENT PIPE FITTINGS                          |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 190 |                                                                                   |                                               | 2" Dia Vent Pipe 90 Deg Elbow               | EA                                  | 245      | 0%      | 245                    | 1.000           | \$ 70.00       | \$ 70.00      | \$ 46.95    | \$ 116.95    | \$ 28,652.75 |  |
|     |                                                                                   |                                               | TEE                                         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 191 |                                                                                   |                                               | 2" Dia Vent Pipe Tee                        | EA                                  | 9        | 0%      | 9                      | 1.600           | \$ 70.00       | \$ 112.00     | \$ 62.44    | \$ 174.44    | \$ 1,569.96  |  |
| 192 |                                                                                   |                                               | 3" Dia Vent Pipe Tee                        | EA                                  | 1        | 0%      | 1                      | 1.778           | \$ 70.00       | \$ 124.46     | \$ 100.90   | \$ 225.36    | \$ 2,253.60  |  |
| 193 |                                                                                   |                                               | 2" / 1-1/2" Dia Vent Pipe Tee               | EA                                  | 2        | 0%      | 2                      | 1.450           | \$ 70.00       | \$ 101.50     | \$ 58.00    | \$ 159.50    | \$ 319.00    |  |
| 194 |                                                                                   |                                               | 3" / 2" Dia Vent Pipe Tee                   | EA                                  | 115      | 0%      | 115                    | 1.600           | \$ 70.00       | \$ 112.00     | \$ 86.41    | \$ 198.41    | \$ 22,817.15 |  |
|     |                                                                                   |                                               | REDUCER                                     |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 195 |                                                                                   |                                               | 2" / 1-1/2" Dia Vent Pipe Reducer           | EA                                  | 4        | 0%      | 4                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 30.15    | \$ 92.38     | \$ 369.52    |  |
|     |                                                                                   | Assumed                                       |                                             | STORM DRAIN PIPE (BELOW GRADE)      |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               |                                             | Service Class Cast Iron No-Hub Pipe |          |         |                        |                 |                |               |             |              |              |  |
| 196 |                                                                                   |                                               | 3" Dia Storm Pipe                           | LF                                  | 37       | 10%     | 41                     | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98    | \$ 38.40     | \$ 1,566.14  |  |
| 197 |                                                                                   |                                               | 4" Dia Storm Pipe                           | LF                                  | 14       | 10%     | 15                     | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97    | \$ 46.29     | \$ 1,124.87  |  |
| 198 |                                                                                   |                                               | 6" Dia Storm Pipe                           | LF                                  | 270      | 10%     | 297                    | 0.304           | \$ 70.00       | \$ 21.28      | \$ 42.46    | \$ 63.74     | \$ 18,590.76 |  |
| 199 |                                                                                   | 8" Dia Storm Pipe                             | LF                                          | 26                                  | 10%      | 29      | 0.464                  | \$ 70.00        | \$ 32.48       | \$ 81.92      | \$ 114.40   | \$ 3,271.84  |              |  |
| 200 |                                                                                   | 10" Dia Storm Pipe                            | LF                                          | 49                                  | 10%      | 54      | 0.525                  | \$ 70.00        | \$ 36.75       | \$ 130.87     | \$ 167.62   | \$ 9,034.72  |              |  |
|     |                                                                                   | STORM DRAIN PIPE FITTINGS                     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 201 |                                                                                   | 3" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 2                                   | 0%       | 2       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 59.44      | \$ 139.45   | \$ 278.90    |              |  |
| 202 |                                                                                   | 6" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 12                                  | 0%       | 12      | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 161.84     | \$ 260.68   | \$ 3,128.16  |              |  |
| 203 |                                                                                   | 10" Dia Storm Pipe 90 Deg Elbow               | EA                                          | 1                                   | 0%       | 1       | 3.200                  | \$ 70.00        | \$ 224.00      | \$ 714.29     | \$ 938.29   | \$ 938.29    |              |  |
| 204 |                                                                                   | 3" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 3                                   | 0%       | 3       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 49.45      | \$ 129.46   | \$ 388.38    |              |  |
| 205 |                                                                                   | 4" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 1                                   | 0%       | 1       | 1.231                  | \$ 70.00        | \$ 86.17       | \$ 72.93      | \$ 159.10   | \$ 159.10    |              |  |
| 206 |                                                                                   | 6" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 11                                  | 0%       | 11      | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 122.88     | \$ 221.72   | \$ 2,438.92  |              |  |
| 207 |                                                                                   | 8" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 1                                   | 0%       | 1       | 2.909                  | \$ 70.00        | \$ 203.63      | \$ 369.63     | \$ 573.26   | \$ 573.26    |              |  |
| 208 |                                                                                   | 10" Dia Storm Pipe 45 Deg Elbow               | EA                                          | 1                                   | 0%       | 1       | 3.200                  | \$ 70.00        | \$ 224.00      | \$ 529.47     | \$ 753.47   | \$ 753.47    |              |  |
|     |                                                                                   | WYE                                           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 209 |                                                                                   | 6" Dia Storm Pipe Wye                         | EA                                          | 4                                   | 0%       | 4       | 2.182                  | \$ 70.00        | \$ 152.74      | \$ 277.72     | \$ 430.46   | \$ 1,721.84  |              |  |
| 210 |                                                                                   | 10" Dia Storm Pipe Wye                        | EA                                          | 1                                   | 0%       | 1       | 4.571                  | \$ 70.00        | \$ 319.97      | \$ 1,348.65   | \$ 1,668.62 | \$ 1,668.62  |              |  |
| 211 |                                                                                   | 4" / 3" Dia Storm Pipe Wye                    | EA                                          | 1                                   | 0%       | 1       | 1.778                  | \$ 70.00        | \$ 124.46      | \$ 112.89     | \$ 237.35   | \$ 237.35    |              |  |
| 212 |                                                                                   | 10" / 3" Dia Storm Pipe Wye                   | EA                                          | 1                                   | 0%       | 1       | 4.000                  | \$ 70.00        | \$ 280.00      | \$ 1,010.00   | \$ 1,290.00 | \$ 1,290.00  |              |  |
| 213 |                                                                                   | 10" / 6" Dia Storm Pipe Wye                   | EA                                          | 1                                   | 0%       | 1       | 4.000                  | \$ 70.00        | \$ 280.00      | \$ 1,073.93   | \$ 1,353.93 | \$ 1,353.93  |              |  |
| 214 |                                                                                   | 10" / 8" Dia Storm Pipe Wye                   | EA                                          | 1                                   | 0%       | 1       | 4.000                  | \$ 70.00        | \$ 280.00      | \$ 1,150.00   | \$ 1,430.00 | \$ 1,430.00  |              |  |
|     |                                                                                   | REDUCER                                       |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 215 |                                                                                   | 4" / 3" Dia Storm Pipe Reducer                | EA                                          | 1                                   | 0%       | 1       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 56.44      | \$ 136.45   | \$ 136.45    |              |  |
| 216 |                                                                                   | 8" / 6" Dia Storm Pipe Reducer                | EA                                          | 1                                   | 0%       | 1       | 2.000                  | \$ 70.00        | \$ 140.00      | \$ 195.80     | \$ 335.80   | \$ 335.80    |              |  |
|     | Assumed                                                                           |                                               | STORM DRAIN PIPE (ABOVE GRADE)              |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 217 |                                                                                   | 3" Dia Storm Pipe                             | LF                                          | 134                                 | 10%      | 147     | 0.250                  | \$ 70.00        | \$ 17.50       | \$ 20.98      | \$ 38.40    | \$ 5,671.95  |              |  |
| 218 |                                                                                   | 4" Dia Storm Pipe                             | LF                                          | 57                                  | 10%      | 63      | 0.276                  | \$ 70.00        | \$ 19.32       | \$ 26.97      | \$ 46.29    | \$ 2,902.38  |              |  |
| 219 |                                                                                   | 6" Dia Storm Pipe                             | LF                                          | 320                                 | 10%      | 352     | 0.304                  | \$ 70.00        | \$ 21.28       | \$ 42.46      | \$ 63.74    | \$ 22,436.48 |              |  |
|     |                                                                                   | STORM DRAIN PIPE FITTINGS                     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 220 |                                                                                   | 3" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 4                                   | 0%       | 4       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 59.44      | \$ 139.45   | \$ 557.80    |              |  |
| 221 |                                                                                   | 4" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 2                                   | 0%       | 2       | 1.231                  | \$ 70.00        | \$ 86.17       | \$ 93.41      | \$ 179.58   | \$ 359.16    |              |  |
| 222 |                                                                                   | 6" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 11                                  | 0%       | 11      | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 161.84     | \$ 260.68   | \$ 2,867.48  |              |  |
| 223 |                                                                                   | 3" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 2                                   | 0%       | 2       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 49.45      | \$ 129.46   | \$ 258.92    |              |  |
| 224 |                                                                                   | 4" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 3                                   | 0%       | 3       | 1.231                  | \$ 70.00        | \$ 86.17       | \$ 72.93      | \$ 159.10   | \$ 477.30    |              |  |
|     |                                                                                   | WYE                                           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 225 |                                                                                   | 6" / 4" Dia Storm Pipe Wye                    | EA                                          | 1                                   | 0%       | 1       | 2.400                  | \$ 70.00        | \$ 168.00      | \$ 314.69     | \$ 482.69   | \$ 482.69    |              |  |
|     |                                                                                   | REDUCER                                       |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 226 |                                                                                   | 6" / 4" Dia Storm Pipe Reducer                | EA                                          | 1                                   | 0%       | 1       | 1.280                  | \$ 70.00        | \$ 89.60       | \$ 114.89     | \$ 204.49   | \$ 204.49    |              |  |
|     |                                                                                   | OVERFLOW DRAIN PIPE (ABOVE GRADE)             |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Cast Iron No-Hub Pipe                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 227 |                                                                                   | 3" Dia Overflow Roof Drain                    | LF                                          | 9                                   | 10%      | 10      | 0.250                  | \$ 70.00        | \$ 17.50       | \$ 20.98      | \$ 38.40    | \$ 380.95    |              |  |
| 228 |                                                                                   | 6" Dia Overflow Roof Drain                    | LF                                          | 77                                  | 10%      | 85      | 0.304                  | \$ 70.00        | \$ 21.28       | \$ 42.46      | \$ 63.74    | \$ 5,398.78  |              |  |
|     |                                                                                   | OVERFLOW DRAIN PIPE FITTINGS                  |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 229 |                                                                                   | 3" Dia Overflow Roof Drain 90 Deg Elbow       | EA                                          | 2                                   | 0%       | 2       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 59.44      | \$ 139.45   | \$ 278.90    |              |  |
| 230 |                                                                                   | 6" Dia Overflow Roof Drain 90 Deg Elbow       | EA                                          | 5                                   | 0%       | 5       | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 161.84     | \$ 260.68   | \$ 1,303.40  |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE (BELOW GRADE)           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Type "L" Copper Pipe With Soldered Joints     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 231 |                                                                                   | 2" Dia Condensate Drain Pipe                  | LF                                          | 103                                 | 10%      | 113     | 0.190                  | \$ 70.00        | \$ 13.30       | \$ 17.88      | \$ 31.18    | \$ 3,532.69  |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE FITTINGS                |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 232 |                                                                                   | 2" Dia Condensate Drain Pipe 90 Deg Elbow     | EA                                          | 13                                  | 0%       | 13      | 0.727                  | \$ 70.00        | \$ 50.89       | \$ 21.48      | \$ 72.37    | \$ 940.81    |              |  |
| 233 |                                                                                   | 2" / 1-1/2" Dia Condensate Drain Pipe Reducer | EA                                          | 14                                  | 0%       | 14      | 0.500                  | \$ 70.00        | \$ 35.00       | \$ 8.19       | \$ 43.19    | \$ 604.66    |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE (ABOVE GRADE)           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Type "L" Copper Pipe With Soldered Joints     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 234 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe              | LF                                          | 1609                                | 10%      | 1770    | 0.154                  | \$ 70.00        | \$ 10.78       | \$ 11.39      | \$ 22.17    | \$ 39,238.68 |              |  |
|     |                                                                                   | 1" Thick Flexible Elastomeric Insulation      |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 235 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe              | LF                                          | 1609                                | 10%      | 1770    | 0.073                  | \$ 70.00        | \$ 5.11        | \$ 3.39       | \$ 8.50     | \$ 15,044.15 |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE FITTINGS                |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 236 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe 90 Deg Elbow | EA                                          | 269                                 | 0%       | 269     | 0.615                  | \$ 70.00        | \$ 43.05       | \$ 14.24      | \$ 57.29    | \$ 15,411.01 |              |  |
|     |                                                                                   | REDUCER                                       |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 237 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe Tee          | EA                                          | 144                                 | 0%       | 144     | 0.500                  | \$ 70.00        | \$ 35.00       | \$ 8.19       | \$ 43.19    | \$ 6,219.36  |              |  |
|     |                                                                                   | GAS PIPE (BELOW GRADE)                        |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Schedule 40 Steel Pipe                        |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |

| SR # | Drawing # | Detail # | DESCRIPTION                                                                                                                                        | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST      |
|------|-----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|--------------|--------------|---------------|
| 238  |           |          | 2" Dia Gas Pipe                                                                                                                                    | LF   | 7        | 10%     | 8                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 25.97     | \$ 39.97     | \$ 307.77     |
|      |           |          | <b>GAS PIPE FITTINGS</b>                                                                                                                           |      |          |         |                        |                  |                |               |              |              |               |
|      |           |          | <b>ELBOW</b>                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |
| 239  |           |          | 2" Dia Gas Pipe 90 Deg Elbow                                                                                                                       | EA   | 2        | 0%      | 2                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 73.93     | \$ 96.33     | \$ 192.66     |
|      |           |          | <b>GAS PIPE (ABOVE GRADE)</b>                                                                                                                      |      |          |         |                        |                  |                |               |              |              |               |
|      |           |          | <b>Schedule 40 Steel Pipe</b>                                                                                                                      |      |          |         |                        |                  |                |               |              |              |               |
| 240  |           |          | 3/4" Dia Gas Pipe                                                                                                                                  | LF   | 256      | 10%     | 282                    | 0.113            | \$ 70.00       | \$ 791        | \$ 11.69     | \$ 19.60     | \$ 5,519.36   |
| 241  |           |          | 1" Dia Gas Pipe                                                                                                                                    | LF   | 51       | 10%     | 56                     | 0.127            | \$ 70.00       | \$ 889        | \$ 13.74     | \$ 22.63     | \$ 1,269.54   |
| 242  |           |          | 1-1/4" Dia Gas Pipe                                                                                                                                | LF   | 139      | 10%     | 153                    | 0.138            | \$ 70.00       | \$ 966        | \$ 17.98     | \$ 27.64     | \$ 4,226.16   |
| 243  |           |          | 1-1/2" Dia Gas Pipe                                                                                                                                | LF   | 31       | 10%     | 34                     | 0.157            | \$ 70.00       | \$ 10.99      | \$ 20.98     | \$ 31.97     | \$ 1,090.18   |
| 244  |           |          | 2" Dia Gas Pipe                                                                                                                                    | LF   | 39       | 10%     | 43                     | 0.200            | \$ 70.00       | \$ 14.00      | \$ 25.97     | \$ 39.97     | \$ 1,714.71   |
|      |           |          | <b>GAS PIPE FITTINGS</b>                                                                                                                           |      |          |         |                        |                  |                |               |              |              |               |
|      |           |          | <b>ELBOW</b>                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |
| 245  |           |          | 3/4" Dia Gas Pipe 90 Deg Elbow                                                                                                                     | EA   | 7        | 0%      | 7                      | 0.160            | \$ 70.00       | \$ 11.20      | \$ 137.89    | \$ 149.09    | \$ 1,043.63   |
| 246  |           |          | 1" Dia Gas Pipe 90 Deg Elbow                                                                                                                       | EA   | 4        | 0%      | 4                      | 0.160            | \$ 70.00       | \$ 11.20      | \$ 73.93     | \$ 85.13     | \$ 340.52     |
| 247  |           |          | 1-1/4" Dia Gas Pipe 90 Deg Elbow                                                                                                                   | EA   | 4        | 0%      | 4                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 73.93     | \$ 87.93     | \$ 351.72     |
| 248  |           |          | 1-1/2" Dia Gas Pipe 90 Deg Elbow                                                                                                                   | EA   | 2        | 0%      | 2                      | 0.242            | \$ 70.00       | \$ 16.94      | \$ 73.93     | \$ 90.87     | \$ 181.72     |
| 249  |           |          | 2" Dia Gas Pipe 90 Deg Elbow                                                                                                                       | EA   | 2        | 0%      | 2                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 73.93     | \$ 96.33     | \$ 192.66     |
|      |           |          | <b>TEE</b>                                                                                                                                         |      |          |         |                        |                  |                |               |              |              |               |
| 250  |           |          | 1-1/4" Dia Gas Pipe Tee                                                                                                                            | EA   | 3        | 0%      | 3                      | 0.296            | \$ 70.00       | \$ 20.72      | \$ 113.89    | \$ 134.61    | \$ 403.83     |
| 251  |           |          | 1-1/4" / 3/4" Dia Gas Pipe Tee                                                                                                                     | EA   | 1        | 0%      | 1                      | 0.211            | \$ 70.00       | \$ 14.77      | \$ 147.85    | \$ 162.62    | \$ 162.62     |
| 252  |           |          | 1-1/2" / 1" Dia Gas Pipe Tee                                                                                                                       | EA   | 1        | 0%      | 1                      | 0.242            | \$ 70.00       | \$ 16.94      | \$ 113.89    | \$ 130.83    | \$ 130.83     |
| 253  |           |          | 2" Dia Gas Pipe Tee                                                                                                                                | EA   | 1        | 0%      | 1                      | 0.471            | \$ 70.00       | \$ 32.97      | \$ 113.89    | \$ 146.86    | \$ 146.86     |
|      |           |          | <b>REDUCER</b>                                                                                                                                     |      |          |         |                        |                  |                |               |              |              |               |
| 254  |           |          | 1-1/4" / 3/4" Dia Gas Pipe Reducer                                                                                                                 | EA   | 1        | 0%      | 1                      | 0.080            | \$ 70.00       | \$ 5.60       | \$ 42.46     | \$ 48.06     | \$ 48.06      |
| 255  |           |          | 1-1/4" / 1-1/2" Dia Gas Pipe Reducer                                                                                                               | EA   | 1        | 0%      | 1                      | 0.119            | \$ 70.00       | \$ 8.33       | \$ 59.44     | \$ 67.77     | \$ 67.77      |
| 256  |           |          | 1-1/2" / 1-1/4" Dia Gas Pipe Reducer                                                                                                               | EA   | 1        | 0%      | 1                      | 0.100            | \$ 70.00       | \$ 7.00       | \$ 54.45     | \$ 61.45     | \$ 61.45      |
| 257  |           |          | 2" / 1-1/2" Dia Gas Pipe Reducer                                                                                                                   | EA   | 2        | 0%      | 2                      | 0.119            | \$ 70.00       | \$ 8.33       | \$ 59.44     | \$ 67.77     | \$ 135.54     |
|      |           |          | <b>PLUMBING FIXTURES</b>                                                                                                                           |      |          |         |                        |                  |                |               |              |              |               |
| 258  |           |          | WC-1: Water Closet, KOHLER K3099-0 K4774-0, Type: Flush Tank, M                                                                                    | EA   | 105      | 0%      | 105                    | 2.980            | \$ 70.00       | \$ 208.60     | \$ 456.00    | \$ 664.60    | \$ 69,783.00  |
| 259  |           |          | WC-2: Water Closet, KOHLER K3099-0 K4774-0, Type: Flush Tank, M                                                                                    | EA   | 11       | 0%      | 11                     | 2.980            | \$ 70.00       | \$ 208.60     | \$ 517.00    | \$ 725.00    | \$ 7,981.60   |
| 260  |           |          | L-1: Lavatory, AMERICAN STANDARD 0496.221.020, Type: Single                                                                                        | EA   | 103      | 0%      | 103                    | 2.230            | \$ 70.00       | \$ 156.10     | \$ 691.00    | \$ 847.10    | \$ 87,251.30  |
| 261  |           |          | L-2: Lavatory, AMERICAN STANDARD 0496.221.020, Type: Single                                                                                        | EA   | 9        | 0%      | 9                      | 2.230            | \$ 70.00       | \$ 156.10     | \$ 691.00    | \$ 847.10    | \$ 7,623.90   |
| 262  |           |          | L-3: Lavatory, AMERICAN STANDARD 9960.001, Type: Single Com                                                                                        | EA   | 4        | 0%      | 4                      | 2.230            | \$ 70.00       | \$ 156.10     | \$ 1,291.00  | \$ 1,447.10  | \$ 5,788.40   |
| 263  |           |          | SH-1: Shower, MINCY MARBLE SP-3162-C-SF, Faucet/Valve: AME                                                                                         | EA   | 95       | 0%      | 95                     | 4.900            | \$ 70.00       | \$ 343.00     | \$ 2,787.60  | \$ 3,130.60  | \$ 297,407.00 |
| 264  |           |          | SH-2: Shower, MINCY MARBLE SP-3162-C-SF, Material: ROLL IN                                                                                         | EA   | 2        | 0%      | 2                      | 4.900            | \$ 70.00       | \$ 343.00     | \$ 2,398.50  | \$ 2,741.50  | \$ 5,483.00   |
| 265  |           |          | UR: Urinal, KOHLER K-4904-ER-0, Type: Flush Valve, Material: VTR                                                                                   | EA   | 2        | 0%      | 2                      | 1.900            | \$ 70.00       | \$ 133.00     | \$ 872.00    | \$ 1,005.00  | \$ 2,010.00   |
| 266  |           |          | BT-1: Bathtub Shower, KOHLER K-716-0(R) K-715-0(L), Type: PREF                                                                                     | EA   | 8        | 0%      | 8                      | 3.890            | \$ 70.00       | \$ 272.30     | \$ 1,340.00  | \$ 1,612.30  | \$ 12,899.40  |
| 267  |           |          | BT-2: Bathtub Shower, KOHLER K-716-0(R) K-715-0(L), Type: PREF                                                                                     | EA   | 5        | 0%      | 5                      | 3.890            | \$ 70.00       | \$ 272.30     | \$ 1,340.00  | \$ 1,612.30  | \$ 8,061.50   |
| 268  |           |          | S-1: Sink, ELKAY L R D2521 X 5-1/2", Type: Single Comp, Material:                                                                                  | EA   | 1        | 0%      | 1                      | 2.250            | \$ 70.00       | \$ 157.50     | \$ 1,305.00  | \$ 1,462.50  | \$ 1,462.50   |
| 269  |           |          | SS-1: Service Sink, FIAT MSB 2424-10, Type: Single Comp, Style: 24"                                                                                | EA   | 2        | 0%      | 2                      | 2.560            | \$ 70.00       | \$ 179.20     | \$ 617.00    | \$ 796.20    | \$ 1,592.40   |
| 270  |           |          | EEW: Eye Wash, GUARDIAN B-1814, Type: Stainless Steel Bowl, Mo                                                                                     | EA   | 1        | 0%      | 1                      | 2.120            | \$ 70.00       | \$ 148.40     | \$ 1,740.00  | \$ 1,888.40  | \$ 1,888.40   |
| 271  |           |          | 3" Dia FS: Floor Sink, J.R. SMITH 3150 WITH HALF GRATE, Type:                                                                                      | EA   | 1        | 0%      | 1                      | 0.980            | \$ 70.00       | \$ 68.60      | \$ 815.00    | \$ 883.60    | \$ 883.60     |
| 272  |           |          | WB: Washer Wall Box, SPECIALITY PRODUCT S0B-351, Type: Bon                                                                                         | EA   | 2        | 0%      | 2                      | 0.750            | \$ 70.00       | \$ 52.50      | \$ 113.00    | \$ 165.50    | \$ 331.00     |
| 273  |           |          | 3/4" Dia Roof Hydrant ZURN Z1388                                                                                                                   | EA   | 2        | 0%      | 2                      | 1.000            | \$ 70.00       | \$ 70.00      | \$ 1,587.00  | \$ 1,657.00  | \$ 3,314.00   |
| 274  |           |          | 1/2" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, Mat                                                                                     | EA   | 3        | 0%      | 3                      | 0.550            | \$ 70.00       | \$ 38.50      | \$ 175.00    | \$ 213.50    | \$ 640.50     |
| 275  |           |          | 3/4" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, Mat                                                                                     | EA   | 1        | 0%      | 1                      | 0.520            | \$ 70.00       | \$ 36.40      | \$ 133.00    | \$ 169.40    | \$ 169.40     |
| 276  |           |          | 1-1/2" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, M                                                                                     | EA   | 1        | 0%      | 1                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 200.00    | \$ 245.50    | \$ 245.50     |
| 277  |           |          | 3" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, Mate                                                                                      | EA   | 1        | 0%      | 1                      | 0.750            | \$ 70.00       | \$ 52.50      | \$ 225.00    | \$ 277.50    | \$ 277.50     |
| 278  |           |          | Dish Washer                                                                                                                                        | EA   | 1        | 0%      | 1                      | 2.100            | \$ 70.00       | \$ 147.00     | \$ 1,350.00  | \$ 1,497.00  | \$ 1,497.00   |
| 279  |           |          | Hand Sink                                                                                                                                          | EA   | 1        | 0%      | 1                      | 1.950            | \$ 70.00       | \$ 136.50     | \$ 1,250.00  | \$ 1,386.50  | \$ 1,386.50   |
| 280  |           |          | 3- Comp Sink                                                                                                                                       | EA   | 1        | 0%      | 1                      | 3.120            | \$ 70.00       | \$ 218.40     | \$ 4,800.00  | \$ 5,098.40  | \$ 5,098.40   |
|      |           |          | Ice Machine                                                                                                                                        |      |          |         |                        |                  |                |               |              |              |               |
| 281  |           |          | 1. Contractor Shall Provide A Point Of Use Filtration By TRIPLE<br>CLEAR FORCEFIELD.                                                               | EA   | 1        | 0%      | 1                      | 2.890            | \$ 70.00       | \$ 202.30     | \$ 4,367.00  | \$ 4,569.30  | \$ 4,569.30   |
| 282  |           |          | IMB: Ice Maker Box                                                                                                                                 | EA   | 1        | 0%      | 1                      | 0.560            | \$ 70.00       | \$ 39.20      | \$ 256.00    | \$ 295.20    | \$ 295.20     |
| 283  |           |          | LT-1: Liner Screen                                                                                                                                 | EA   | 1        | 0%      | 1                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 75.00     | \$ 97.40     | \$ 97.40      |
| 284  |           |          | Washer Dryer                                                                                                                                       | EA   | 4        | 0%      | 4                      | 2.750            | \$ 70.00       | \$ 192.50     | \$ 1,257.00  | \$ 1,449.50  | \$ 5,798.00   |
| 285  |           |          | Dryer: 415MBH                                                                                                                                      | EA   | 3        | 0%      | 3                      | 1.450            | \$ 70.00       | \$ 101.50     | \$ 980.00    | \$ 1,090.50  | \$ 3,271.50   |
| 286  |           |          | Pool / SPA Backwash Pn                                                                                                                             | EA   | 1        | 0%      | 1                      | 8.560            | \$ 70.00       | \$ 599.20     | \$ 15,945.00 | \$ 16,544.20 | \$ 16,544.20  |
|      |           |          | <b>GREASE INTERCEPTOR</b>                                                                                                                          |      |          |         |                        |                  |                |               |              |              |               |
| 287  |           |          | Grease Interceptor, 75 GPM Polyethylene, GB-75 4045-001-XXSCHIE                                                                                    | EA   | 1        | 0%      | 1                      | 3.890            | \$ 70.00       | \$ 272.30     | \$ 4,047.00  | \$ 4,319.30  | \$ 4,319.30   |
|      |           |          | <b>WATER HYDRATION STATION</b>                                                                                                                     |      |          |         |                        |                  |                |               |              |              |               |
| 288  |           |          | Hydration Station HAWS 20001, Contractor Shall Provide A Point Of U                                                                                | EA   | 1        | 0%      | 1                      | 3.120            | \$ 70.00       | \$ 218.40     | \$ 4,616.00  | \$ 4,834.40  | \$ 4,834.40   |
|      |           |          | <b>WATER HEATER</b>                                                                                                                                |      |          |         |                        |                  |                |               |              |              |               |
| 289  |           |          | IWH: Instantaneous Water Heater, EEMAX EX3208, Glass Lined, Tan                                                                                    | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 300.00    | \$ 377.00    | \$ 377.00     |
| 290  |           |          | INS01, Intelli Tankless Water System                                                                                                               | EA   | 3        | 0%      | 3                      | 8.550            | \$ 70.00       | \$ 598.50     | \$ 33,598.00 | \$ 34,196.50 | \$ 102,589.50 |
|      |           |          | <b>WATER HEATER DETAIL</b>                                                                                                                         |      |          |         |                        |                  |                |               |              |              |               |
| 291  |           |          | Expansion Tank                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.420            | \$ 70.00       | \$ 29.40      | \$ 89.00     | \$ 118.40    | \$ 236.80     |
| 292  |           |          | Temperature Sensor                                                                                                                                 | EA   | 1        | 0%      | 1                      | 0.350            | \$ 70.00       | \$ 24.50      | \$ 125.00    | \$ 149.50    | \$ 149.50     |
| 293  |           |          | 1" Dia Isolation Valve, NIBCO INC., Type 2, Class 125, Bronze Angle                                                                                | EA   | 3        | 0%      | 3                      | 0.389            | \$ 70.00       | \$ 27.23      | \$ 75.00     | \$ 102.23    | \$ 306.69     |
| 294  |           |          | 1" Dia Water Hammer Arrestor                                                                                                                       | EA   | 1        | 0%      | 1                      | 0.256            | \$ 70.00       | \$ 17.92      | \$ 76.00     | \$ 93.92     | \$ 93.92      |
| 294  |           |          | 1" Dia Recirculation Pump GRUNFOS UP S26-99                                                                                                        | EA   | 1        | 0%      | 1                      | 1.500            | \$ 70.00       | \$ 105.00     | \$ 885.00    | \$ 990.00    | \$ 990.00     |
| 295  |           |          | 1-1/4" Dia Recirculation Pump GRUNFOS UP S26-99                                                                                                    | EA   | 1        | 0%      | 1                      | 1.500            | \$ 70.00       | \$ 105.00     | \$ 885.00    | \$ 990.00    | \$ 990.00     |
| 296  |           |          | 1-1/4" Dia Isolation Valve, NIBCO INC., Type 2, Class 125, Bronze A                                                                                | EA   | 5        | 0%      | 5                      | 0.425            | \$ 70.00       | \$ 29.75      | \$ 78.00     | \$ 107.75    | \$ 538.75     |
| 297  |           |          | 1-1/4" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                                                                                  | EA   | 1        | 0%      | 1                      | 0.450            | \$ 70.00       | \$ 31.50      | \$ 125.00    | \$ 156.50    | \$ 156.50     |
| 298  |           |          | 1-1/4" Dia Pipe End Cap                                                                                                                            | EA   | 3        | 0%      | 3                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 9.00      | \$ 23.00     | \$ 69.00      |
| 299  |           |          | 3" Dia Isolation Valve, NIBCO INC., Type 2, Class 125, Bronze Angle                                                                                | EA   | 5        | 0%      | 5                      | 1.230            | \$ 70.00       | \$ 86.10      | \$ 956.00    | \$ 1,042.10  | \$ 5,210.50   |
| 300  |           |          | 3" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Horizon                                                                                 | EA   | 3        | 0%      | 3                      | 1.560            | \$ 70.00       | \$ 109.20     | \$ 665.00    | \$ 774.20    | \$ 2,322.60   |
| 301  |           |          | Size Assumed 3/4" Dia Vacuum Relief Valve                                                                                                          | EA   | 3        | 0%      | 3                      | 0.220            | \$ 70.00       | \$ 15.40      | \$ 52.00     | \$ 67.40     | \$ 202.20     |
|      |           |          | <b>RECIRCULATION PUMP DETAIL</b>                                                                                                                   |      |          |         |                        |                  |                |               |              |              |               |
| 302  |           |          | Thermometer                                                                                                                                        | EA   | 2        | 0%      | 2                      | 0.250            | \$ 70.00       | \$ 17.50      | \$ 54.00     | \$ 71.50     | \$ 143.00     |
| 303  |           |          | 1/2" Dia Pressure Gauge                                                                                                                            | EA   | 2        | 0%      | 2                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 65.00     | \$ 87.40     | \$ 174.80     |
| 304  |           |          | 1/2" Dia Ball Valve, NIBCO INC. Bronze Body                                                                                                        | EA   | 4        | 0%      | 4                      | 0.289            | \$ 70.00       | \$ 20.23      | \$ 38.00     | \$ 58.23     | \$ 232.92     |
| 305  |           |          | 1" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze,<br>Horizontal Lift Check Valves: Bronze Body With Non-metallic Disc<br>And Bronze Seat. | EA   | 1        | 0%      | 1                      | 0.400            | \$ 70.00       | \$ 28.00      | \$ 105.00    | \$ 133.00    | \$ 133.00     |
| 306  |           |          | 1" Dia Gate Valve                                                                                                                                  | EA   | 1        | 0%      | 1                      | 0.780            | \$ 70.00       | \$ 54.60      | \$ 302.00    | \$ 356.60    | \$ 356.60     |
| 307  |           |          | 1" Dia Globe Valve                                                                                                                                 | EA   | 1        | 0%      | 1                      | 0.980            | \$ 70.00       | \$ 68.60      | \$ 358.00    | \$ 426.60    | \$ 426.60     |
| 308  |           |          | 1" Dia Union                                                                                                                                       | EA   | 2        | 0%      | 2                      | 0.225            | \$ 70.00       | \$ 15.75      | \$ 12.50     | \$ 28.25     | \$ 56.50      |
| 309  |           |          | 1-1/4" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                                                                                  | EA   | 1        | 0%      | 1                      | 0.450            | \$ 70.00       | \$ 31.50      | \$ 125.00    | \$ 156.50    | \$ 156.50     |
| 310  |           |          | 1-1/4" Dia Gate Valve                                                                                                                              | EA   | 1        | 0%      | 1                      | 0.780            | \$ 70.00       | \$ 54.60      | \$ 185.00    | \$ 239.60    | \$ 239.60     |
| 311  |           |          | 1-1/4" Dia Globe Valve                                                                                                                             | EA   | 1        | 0%      | 1                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 55.00     | \$ 77.40     | \$ 77.40      |
| 312  |           |          | 1-1/4" Dia Union                                                                                                                                   | EA   | 2        | 0%      | 2                      | 0.256            | \$ 70.00       | \$ 17.92      | \$ 25.00     | \$ 42.92     | \$ 85.84      |
|      |           |          | <b>PUMP</b>                                                                                                                                        |      |          |         |                        |                  |                |               |              |              |               |
| 313  |           |          | Elevator Sump Pump, ZOELLER PUMP CO. MODEL 161, 115<br>Volt, 1/2 HP, 60HZ, Pump Capacity 100 GPM, 5ft Head.                                        | EA   | 1        | 0%      | 1                      | 3.230            | \$ 70.00       | \$ 226.10     | \$ 3,513.60  | \$ 3,739.70  | \$ 3,739.70   |
| 314  |           |          | Domestic Booster Pump Shall Be Supplied By Contractor, Provide A<br>Packagdg Booster Pump System, "ITT, BELL & GOSSETT".                           | EA   | 1        | 0%      | 1                      | 3.250            | \$ 70.00       | \$ 227.50     | \$ 3,042.00  | \$ 3,269.50  | \$ 3,269.50   |
| 315  |           |          | Recirculation Pump GRUNFOS UP S26-99                                                                                                               | EA   | 0        | 0%      | 0                      | 1.000            | \$ 70.00       | \$ 70.00      | \$ 472.80    | \$ 542.80    | \$ -          |
|      |           |          | <b>ELEVATOR SUM PUMP DETAIL</b>                                                                                                                    |      |          |         |                        |                  |                |               |              |              |               |
| 316  |           |          | 1-1/2" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                                                                                  | EA   | 1        | 0%      | 1                      | 0.680            | \$ 70.00       | \$ 47.60      | \$ 135.00    | \$ 182.60    |               |

| SR # | Drawing # | Detail #            | DESCRIPTION                                                                                    | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHO UR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST   | UNIT COST   | SUB COST     |
|------|-----------|---------------------|------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|-------------|-------------|--------------|
| 321  |           |                     | ZOELLER "Oil Guard" System, 940-0006                                                           | EA   | 1        | 0%      | 1                      | 1.900            | \$ 70.00       | \$ 133.00     | \$ 2,343.00 | \$ 2,476.00 | \$ 2,476.00  |
| 322  |           |                     | 24"x24"x24" Sump Pump Pit, 24" Diameter, 36" Depth                                             | EA   | 1        | 0%      | 1                      | 0.250            | \$ 70.00       | \$ 17.50      | \$ 80.00    | \$ 97.50    | \$ 97.50     |
| 323  |           |                     | MISCELLANEOUS                                                                                  |      |          |         |                        |                  |                |               |             |             |              |
| 323  |           |                     | 3/4" Dia Gas Cock Manufactured By NIBCO                                                        | EA   | 2        | 0%      | 2                      | 0.185            | \$ 70.00       | \$ 12.95      | \$ 20.00    | \$ 32.95    | \$ 65.90     |
| 324  |           |                     | 1-1/4" Dia Gas Cock Manufactured By NIBCO                                                      | EA   | 3        | 0%      | 3                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 20.00    | \$ 42.00    | \$ 126.00    |
| 325  |           |                     | 3/4" Dia Water Hammer Arrestor, SIOUX-CHIEF, Standard: ASSE 10                                 | EA   | 220      | 0%      | 220                    | 0.220            | \$ 70.00       | \$ 15.40      | \$ 30.00    | \$ 45.40    | \$ 9,988.00  |
| 326  |           |                     | 1" Dia Pipe End Cap                                                                            | EA   | 1        | 0%      | 1                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 4.56     | \$ 18.56    | \$ 18.56     |
| 327  |           |                     | 1-1/2" Dia Pipe End Cap                                                                        | EA   | 1        | 0%      | 1                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 7.50     | \$ 21.50    | \$ 21.50     |
| 328  |           |                     | 2" Dia Gas Service & Regulator Assembly Supplied By Gas Provider: T                            | EA   | 1        | 0%      | 1                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ -        | \$ 62.30    | \$ 62.30     |
| 329  |           |                     | 3" Dia Downspout Nozzle                                                                        | EA   | 2        | 0%      | 2                      | 0.350            | \$ 70.00       | \$ 24.50      | \$ 225.00   | \$ 249.50   | \$ 499.00    |
| 330  |           |                     | 6" Dia Downspout Nozzle                                                                        | EA   | 5        | 0%      | 5                      | 0.550            | \$ 70.00       | \$ 38.50      | \$ 445.00   | \$ 483.50   | \$ 2,417.50  |
| 331  |           |                     | 1-1/2" Dia Back Flow Preventer, AMES CO. Standard: ASSE 1013, Br                               | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 1,450.00 | \$ 1,527.00 | \$ 1,527.00  |
| 332  |           |                     | 3" Dia VTR: Vent Through Roof                                                                  | EA   | 26       | 0%      | 26                     | 0.650            | \$ 70.00       | \$ 45.50      | \$ 180.00   | \$ 225.50   | \$ 5,863.00  |
|      |           | 2x24" 2-Way CO main | CLEANOUTS & DRAINS                                                                             |      |          |         |                        |                  |                |               |             |             |              |
| 333  |           |                     | 3" Dia FD: Floor Drain, J.R. SMITH 2010, Type: Square Top, Material:                           | EA   | 19       | 0%      | 19                     | 0.725            | \$ 70.00       | \$ 50.75      | \$ 320.00   | \$ 370.75   | \$ 7,044.25  |
| 334  |           |                     | 4" Dia FD: Floor Drain, J.R. SMITH 2010, Type: Square Top, Material:                           | EA   | 1        | 0%      | 1                      | 0.850            | \$ 70.00       | \$ 59.50      | \$ 460.00   | \$ 519.50   | \$ 519.50    |
| 335  |           |                     | 3" Dia RD: Roof Drain, J.R. SMITH 1015-G-U, Type: Dome Top, Mate                               | EA   | 2        | 0%      | 2                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 425.00   | \$ 487.30   | \$ 974.60    |
| 336  |           |                     | 4" Dia RD: Roof Drain, J.R. SMITH 1015-G-U, Type: Dome Top, Mate                               | EA   | 2        | 0%      | 2                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 486.00   | \$ 548.30   | \$ 1,096.60  |
| 337  |           |                     | 6" Dia RD: Roof Drain, J.R. SMITH 1015-G-U, Type: Dome Top, Mate                               | EA   | 5        | 0%      | 5                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 486.00   | \$ 548.30   | \$ 2,741.50  |
| 338  |           |                     | 6" Dia FGD: Floor Clean-Out, J.R. SMITH 4040, Type: Square Top, M                              | EA   | 1        | 0%      | 1                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 385.00   | \$ 430.50   | \$ 430.50    |
| 339  |           |                     | 10" Dia FGD: Floor Clean-Out, J.R. SMITH 4040, Type: Square Top, M                             | EA   | 1        | 0%      | 1                      | 0.850            | \$ 70.00       | \$ 59.50      | \$ 357.60   | \$ 417.10   | \$ 417.10    |
| 340  |           |                     | 1-1/2" Dia WCO: Wall Clean-Out, J.R. SMITH 4472, Type: Round Cov                               | EA   | 13       | 0%      | 13                     | 0.450            | \$ 70.00       | \$ 31.50      | \$ 65.00    | \$ 96.50    | \$ 1,254.50  |
| 341  |           |                     | 4" Dia WCO: Wall Clean-Out, J.R. SMITH 4472, Type: Round Cover,                                | EA   | 26       | 0%      | 26                     | 0.450            | \$ 70.00       | \$ 31.50      | \$ 75.00    | \$ 106.50   | \$ 2,769.00  |
| 342  |           |                     | 3" Dia EORD, Emergency Overflow Roof Drain                                                     | EA   | 2        | 0%      | 2                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 285.00   | \$ 330.50   | \$ 661.00    |
| 343  |           |                     | 6" Dia EORD, Emergency Overflow Roof Drain                                                     | EA   | 5        | 0%      | 5                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 508.00   | \$ 570.30   | \$ 2,851.50  |
| 344  |           |                     | 4" Dia 2-Way Cleanout                                                                          | EA   | 3        | 0%      | 3                      | 0.350            | \$ 70.00       | \$ 24.50      | \$ 80.00    | \$ 104.50   | \$ 313.50    |
| 345  |           |                     | 6" Dia 2-Way Cleanout                                                                          | EA   | 2        | 0%      | 2                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 165.00   | \$ 210.50   | \$ 421.00    |
| 346  |           |                     | 4" Dia Trench Drain, W/ lint Screen (7'-6" Length)                                             | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 355.20   | \$ 432.20   | \$ 432.20    |
| 347  |           |                     | 10" Dia 2-Way Cleanout                                                                         | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 355.20   | \$ 432.20   | \$ 432.20    |
|      |           |                     | VALVES                                                                                         |      |          |         |                        |                  |                |               |             |             |              |
| 348  |           |                     | 1" Dia Provide Dual Check Valve Backflow Preventer, WATTS SERIE                                | EA   | 1        | 0%      | 1                      | 0.689            | \$ 70.00       | \$ 48.23      | \$ 118.00   | \$ 166.23   | \$ 166.23    |
| 349  |           |                     | 1/2" Dia Balancing Valve                                                                       | EA   | 25       | 0%      | 25                     | 0.750            | \$ 70.00       | \$ 52.50      | \$ 135.00   | \$ 187.50   | \$ 4,687.50  |
| 350  |           |                     | 1/2" Dia Ball Valve, NIBCO INC. Bronze Body                                                    | EA   | 24       | 0%      | 24                     | 0.300            | \$ 70.00       | \$ 21.00      | \$ 28.00    | \$ 49.00    | \$ 1,176.00  |
| 351  |           |                     | 3/4" Dia Ball Valve, NIBCO INC. Bronze Body                                                    | EA   | 8        | 0%      | 8                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 35.00    | \$ 57.40    | \$ 459.20    |
| 352  |           |                     | 1" Dia Ball Valve, NIBCO INC. Bronze Body                                                      | EA   | 30       | 0%      | 30                     | 0.356            | \$ 70.00       | \$ 24.92      | \$ 38.00    | \$ 62.92    | \$ 1,887.60  |
| 353  |           |                     | 1-1/4" Dia Ball Valve, NIBCO INC. Bronze Body                                                  | EA   | 28       | 0%      | 28                     | 0.400            | \$ 70.00       | \$ 28.00      | \$ 85.00    | \$ 113.00   | \$ 3,164.00  |
| 354  |           |                     | 1-1/2" Dia Ball Valve, NIBCO INC. Bronze Body                                                  | EA   | 3        | 0%      | 3                      | 0.520            | \$ 70.00       | \$ 36.40      | \$ 115.00   | \$ 151.40   | \$ 454.20    |
| 355  |           |                     | 3" Dia Shu Off Valve, NIBCO INC. Bronze Body                                                   | EA   | 1        | 0%      | 1                      | 0.450            | \$ 70.00       | \$ 31.50      | \$ 250.00   | \$ 281.50   | \$ 281.50    |
| 356  |           |                     | 1-1/4" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                              | EA   | 25       | 0%      | 25                     | 0.450            | \$ 70.00       | \$ 31.50      | \$ 125.00   | \$ 156.50   | \$ 3,912.50  |
|      |           |                     | NO-HUB COUPLING                                                                                |      |          |         |                        |                  |                |               |             |             |              |
| 357  |           |                     | 1-1/2" Dia                                                                                     | EA   | 42       | 0%      | 42                     |                  |                |               |             |             |              |
| 358  |           |                     | 2" Dia                                                                                         | EA   | 1919     | 0%      | 1919                   |                  |                |               |             |             |              |
| 359  |           |                     | 3" Dia                                                                                         | EA   | 2936     | 0%      | 2936                   |                  |                |               |             |             |              |
| 360  |           |                     | 4" Dia                                                                                         | EA   | 678      | 0%      | 678                    |                  |                |               |             |             |              |
| 361  |           |                     | 6" Dia                                                                                         | EA   | 166      | 0%      | 166                    |                  |                |               |             |             |              |
| 362  |           |                     | 8" Dia                                                                                         | EA   | 4        | 0%      | 4                      |                  |                |               |             |             |              |
| 363  |           |                     | 10" Dia                                                                                        | EA   | 13       | 0%      | 13                     |                  |                |               |             |             |              |
|      |           |                     | PIPE SUPPORT                                                                                   |      |          |         |                        |                  |                |               |             |             |              |
| 364  |           |                     | 1/2" Dia Adjustable Clevis Hanger                                                              | EA   | 1232     | 0%      | 1232                   |                  |                |               |             |             |              |
| 365  |           |                     | 3/4" Dia Adjustable Clevis Hanger                                                              | EA   | 991      | 0%      | 991                    |                  |                |               |             |             |              |
| 366  |           |                     | 1" Dia Adjustable Clevis Hanger                                                                | EA   | 388      | 0%      | 388                    |                  |                |               |             |             |              |
| 367  |           |                     | 1-1/4" Dia Adjustable Clevis Hanger                                                            | EA   | 118      | 0%      | 118                    |                  |                |               |             |             |              |
| 368  |           |                     | 1-1/2" Dia Adjustable Clevis Hanger                                                            | EA   | 306      | 0%      | 306                    |                  |                |               |             |             |              |
| 369  |           |                     | 2" Dia Adjustable Clevis Hanger                                                                | EA   | 336      | 0%      | 336                    |                  |                |               |             |             |              |
| 370  |           |                     | 2-1/2" Dia Adjustable Clevis Hanger                                                            | EA   | 7        | 0%      | 7                      |                  |                |               |             |             |              |
| 371  |           |                     | 3" Dia Adjustable Clevis Hanger                                                                | EA   | 422      | 0%      | 422                    |                  |                |               |             |             |              |
| 372  |           |                     | 4" Dia Adjustable Clevis Hanger                                                                | EA   | 170      | 0%      | 170                    |                  |                |               |             |             |              |
| 373  |           |                     | 6" Dia Adjustable Clevis Hanger                                                                | EA   | 32       | 0%      | 32                     |                  |                |               |             |             |              |
| 374  |           |                     | 3/8" Dia Threaded Rod (1 Ea. = 1 FT)                                                           | EA   | 3035     | 0%      | 3035                   | 0.040            | \$ 70.00       | \$ 2.80       | \$ 10.07    | \$ 12.87    | \$ 39,060.45 |
| 375  |           |                     | 1/2" Dia Threaded Rod (1 Ea. = 1 FT)                                                           | EA   | 935      | 0%      | 935                    | 0.057            | \$ 70.00       | \$ 3.99       | \$ 19.41    | \$ 23.40    | \$ 21,879.00 |
| 376  |           |                     | 5/8" Dia Threaded Rod (1 Ea. = 1 FT)                                                           | EA   | 32       | 0%      | 32                     | 0.080            | \$ 70.00       | \$ 5.60       | \$ 10.42    | \$ 16.02    | \$ 512.64    |
|      |           |                     | TRENC HING & BACKFILLING                                                                       |      |          |         |                        |                  |                |               |             |             |              |
| 377  |           |                     | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT  | 4917     | 0%      | 4917                   | 0.080            | \$ 70.00       | \$ 5.60       | \$ -        | \$ 5.60     | \$ 27,335.20 |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |
|      |           |                     |                                                                                                |      |          |         |                        |                  |                |               |             |             |              |

| SR #         | Drawing #                                          | Detail #                           | DESCRIPTION                                                                                                                                                                                                                                                                           | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST      |  |
|--------------|----------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|--------------|--------------|---------------|--|
| 397          | M101, M102,<br>M103, M104,<br>M105, M106 &<br>M108 |                                    | D: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 5'-2", Neck Size: 8" Dia<br>Notes:<br>3. 6" Inlet -1 Slots 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                           | EA   | 4        | 0%      | 4                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 219.50    | \$ 262.70    | \$ 1,050.80   |  |
| 398          |                                                    |                                    | D: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 5'-4", Neck Size: 8" Dia<br>Notes:<br>3. 6" Inlet -1 Slots 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                           | EA   | 3        | 0%      | 3                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 219.50    | \$ 262.70    | \$ 788.10     |  |
| 399          |                                                    |                                    | E: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 4'-4", Neck Size: 8" Dia<br>Notes:<br>4. 8" Inlet -1 Slot 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                            | EA   | 2        | 0%      | 2                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 219.50    | \$ 262.70    | \$ 525.40     |  |
| 400          |                                                    |                                    | F: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 5'-4", Neck Size: 10" Dia<br>Notes:<br>5. 10" Inlet -2 Slots 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                         | EA   | 11       | 0%      | 11                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 230.14    | \$ 273.34    | \$ 3,006.74   |  |
| 401          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 12"x12", H                                                                                                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 78.69     | \$ 121.89    | \$ 243.78     |  |
| 402          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 8"x8", Ham                                                                                                                                                                                                                     | EA   | 1        | 0%      | 1                      | 0.580            | \$ 72.00       | \$ 41.76      | \$ 75.50     | \$ 117.26    | \$ 117.26     |  |
| 403          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 15"x15", H                                                                                                                                                                                                                     | EA   | 1        | 0%      | 1                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 86.52     | \$ 131.16    | \$ 131.16     |  |
| 404          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 18"x18", H                                                                                                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 91.36     | \$ 136.00    | \$ 272.00     |  |
| 405          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 22"x22", H                                                                                                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 102.68    | \$ 149.48    | \$ 298.96     |  |
| 406          |                                                    |                                    | H: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 22"x22", H                                                                                                                                                                                                                     | EA   | 1        | 0%      | 1                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 102.68    | \$ 149.48    | \$ 149.48     |  |
| 407          |                                                    |                                    | J: Exhaust, AMERICAN ALDES CSR-R-II, Frame Type: Surface, Dam                                                                                                                                                                                                                         | EA   | 110      | 0%      | 110                    | 0.650            | \$ 72.00       | \$ 46.80      | \$ 168.80    | \$ 215.60    | \$ 23,716.00  |  |
| 408          |                                                    |                                    | 12"x12" Exhaust Louver W/ Bird Screen, Ruskin's, ELF375DX                                                                                                                                                                                                                             | EA   | 14       | 0%      | 14                     | 0.625            | \$ 72.00       | \$ 45.00      | \$ 251.41    | \$ 296.41    | \$ 4,149.74   |  |
| 409          |                                                    |                                    | 40"x28" Combustion Air Louver                                                                                                                                                                                                                                                         | EA   | 1        | 0%      | 1                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 348.63    | \$ 409.83    | \$ 409.83     |  |
| 410          |                                                    |                                    | PAC KAGED THRU WALL UNIT                                                                                                                                                                                                                                                              |      |          |         |                        |                  |                |               |              |              |               |  |
| 410          |                                                    |                                    | PTAC-1: Packaged Terminal Air Conditioner, AMANA PTC073K, Sup                                                                                                                                                                                                                         | EA   | 110      | 0%      | 110                    | 2.250            | \$ 72.00       | \$ 162.00     | \$ 1,243.00  | \$ 1,405.00  | \$ 154,550.00 |  |
| 411          |                                                    |                                    | SPLIT SYSTEM HEAT PUMP UNIT                                                                                                                                                                                                                                                           |      |          |         |                        |                  |                |               |              |              |               |  |
| 411          |                                                    |                                    | AH-1/HP-1: TRANE GAMS B0B30, Total CFM: 1000, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 3.850            | \$ 72.00       | \$ 277.20     | \$ 3,898.40  | \$ 4,175.60  | \$ 4,175.60   |  |
| 412          |                                                    |                                    | AH-2/HP-2: TRANE GAMS B0A18, Total CFM: 600, Min. OA CFM: 5                                                                                                                                                                                                                           | EA   | 1        | 0%      | 1                      | 3.725            | \$ 72.00       | \$ 268.20     | \$ 2,850.00  | \$ 3,118.20  | \$ 3,118.20   |  |
| 413          |                                                    |                                    | AH-3/HP-3: TRANE GAMS B0C42, Total CFM: 1400, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 3.885            | \$ 72.00       | \$ 279.72     | \$ 4,475.82  | \$ 4,755.54  | \$ 4,755.54   |  |
| 414          |                                                    |                                    | AH-4/HP-4: TRANE GAMS B0C60, Total CFM: 2000, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 4.125            | \$ 72.00       | \$ 297.00     | \$ 4,995.25  | \$ 5,292.25  | \$ 5,292.25   |  |
| 415          |                                                    |                                    | AH-5/HP-5: TRANE GAMS B0C48, Total CFM: 1600, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 4.000            | \$ 72.00       | \$ 288.00     | \$ 4,687.96  | \$ 4,975.96  | \$ 4,975.96   |  |
| 416          |                                                    |                                    | AH-6/HP-6: TRANE GAMS B0A24, Total CFM: 800, Min. OA CFM: 2                                                                                                                                                                                                                           | EA   | 1        | 0%      | 1                      | 3.850            | \$ 72.00       | \$ 277.20     | \$ 3,344.55  | \$ 3,621.75  | \$ 3,621.75   |  |
| 417          |                                                    |                                    | AH-7/HP-7: TRANE GAMS B0C24, Total CFM: 1400, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 3.885            | \$ 72.00       | \$ 279.72     | \$ 4,475.82  | \$ 4,755.54  | \$ 4,755.54   |  |
| 418          |                                                    |                                    | SPLIT SYSTEM HEAT PUMP UNIT DETAIL                                                                                                                                                                                                                                                    |      |          |         |                        |                  |                |               |              |              |               |  |
| 418          |                                                    | Size Assumed                       | 14"x12" Flexible Duct Connection                                                                                                                                                                                                                                                      | EA   | 7        | 0%      | 7                      | 0.355            | \$ 72.00       | \$ 25.56      | \$ 28.38     | \$ 53.94     | \$ 377.58     |  |
| 419          |                                                    |                                    | 2" Dia P-Trap                                                                                                                                                                                                                                                                         | EA   | 7        | 0%      | 7                      | 0.450            | \$ 72.00       | \$ 32.40      | \$ 31.88     | \$ 64.28     | \$ 449.96     |  |
| 420          |                                                    |                                    | Volume Damper With Locking Quadrant                                                                                                                                                                                                                                                   | EA   | 7        | 0%      | 7                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 144.64    | \$ 189.28    | \$ 1,324.96   |  |
| 421          |                                                    |                                    | MINI SPLIT COOLING/HEAT PUMP UNIT                                                                                                                                                                                                                                                     |      |          |         |                        |                  |                |               |              |              |               |  |
| 421          |                                                    |                                    | AH-8/CU-8: Air Handling Unit, MITSUBISHI PKA-A12HA7, NOM. T                                                                                                                                                                                                                           | EA   | 1        | 0%      | 1                      | 3.120            | \$ 72.00       | \$ 224.64     | \$ 2,825.32  | \$ 3,049.96  | \$ 3,049.96   |  |
| 422          |                                                    |                                    | ELECTRIC WALL HEATER                                                                                                                                                                                                                                                                  |      |          |         |                        |                  |                |               |              |              |               |  |
| 422          |                                                    |                                    | EW-1: Electrical Wall Heater, QMARK, No Of Heaters: 3, Electrical                                                                                                                                                                                                                     | EA   | 3        | 0%      | 3                      | 1.450            | \$ 72.00       | \$ 104.40     | \$ 768.45    | \$ 872.85    | \$ 2,618.55   |  |
| 423          |                                                    |                                    | MAKEUP AIR UNIT                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| 423          |                                                    |                                    | MAU-1: Make-up Air Unit, CAPTIVEAIRE CASRTU4-1309-24-40T-2                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 7.250            | \$ 72.00       | \$ 522.00     | \$ 23,200.00 | \$ 23,722.00 | \$ 23,722.00  |  |
| 424          |                                                    |                                    | MAU-2: Make-up Air Unit, CAPTIVEAIRE CASRTU4-1509-24-50T-2                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 8.500            | \$ 72.00       | \$ 612.00     | \$ 29,900.00 | \$ 30,512.00 | \$ 30,512.00  |  |
| 425          |                                                    |                                    | MAKEUP AIR UNIT DETAIL                                                                                                                                                                                                                                                                |      |          |         |                        |                  |                |               |              |              |               |  |
| 425          |                                                    |                                    | 2" Dia P-Trap With Cleanout                                                                                                                                                                                                                                                           | EA   | 1        | 0%      | 1                      | 0.725            | \$ 72.00       | \$ 52.20      | \$ 89.67     | \$ 141.87    | \$ 141.87     |  |
| 426          |                                                    |                                    | 6" Reinforced Concrete Pad                                                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 1.250            | \$ 72.00       | \$ 90.00      | \$ 378.52    | \$ 468.52    | \$ 468.52     |  |
| 427          |                                                    |                                    | VISB, ISOL, PAD                                                                                                                                                                                                                                                                       | EA   | 1        | 0%      | 1                      | 0.425            | \$ 72.00       | \$ 30.60      | \$ 68.44     | \$ 99.04     | \$ 99.04      |  |
| 428          |                                                    |                                    | FAN                                                                                                                                                                                                                                                                                   |      |          |         |                        |                  |                |               |              |              |               |  |
| 428          |                                                    |                                    | EF-1: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 75, S.P.:                                                                                                                                                                                                                            | EA   | 2        | 0%      | 2                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 185.00    | \$ 246.20    | \$ 492.40     |  |
| 429          |                                                    | The Quantity Is<br>As Per The Plan | EF-2: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 100,<br>S.P. - 0.25, RPM: 1350, Type: Coiling, MIN. Motor HP & Voltage:<br>173 WATTS 120/140, Drive: Direct, Control Scheme: A<br>Notes:<br>1. Screen<br>2. Backdraft Damper<br>3. Speed Controller<br>4. Integral Disconnect Switch | EA   | 9        | 0%      | 9                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 185.00    | \$ 246.20    | \$ 2,215.80   |  |
| 430          |                                                    |                                    | EF-3: Exhaust Fan, GREENHECK MODEL SP-B150, CFM: 175, S.P.                                                                                                                                                                                                                            | EA   | 2        | 0%      | 2                      | 0.885            | \$ 72.00       | \$ 63.72      | \$ 205.00    | \$ 268.72    | \$ 537.44     |  |
| 431          |                                                    |                                    | EF-4: Exhaust Fan, GREENHECK MODEL SP-A250, CFM: 200, SP:                                                                                                                                                                                                                             | EA   | 5        | 0%      | 5                      | 0.965            | \$ 72.00       | \$ 69.48      | \$ 405.60    | \$ 475.08    | \$ 2,375.40   |  |
| 432          |                                                    |                                    | EF-5: Exhaust Fan, GREENHECK MODEL G-065-VG, CFM: 210, S                                                                                                                                                                                                                              | EA   | 1        | 0%      | 1                      | 1.120            | \$ 72.00       | \$ 80.64      | \$ 678.00    | \$ 758.64    | \$ 758.64     |  |
| 433          |                                                    |                                    | EF-6: Exhaust Fan, GREENHECK MODEL G-060-VG, CFM: 105, S                                                                                                                                                                                                                              | EA   | 3        | 0%      | 3                      | 1.120            | \$ 72.00       | \$ 80.64      | \$ 638.40    | \$ 719.04    | \$ 2,157.12   |  |
| 434          |                                                    |                                    | EF-7: Exhaust Fan, GREENHECK MODEL G-075-VG, CFM: 350, S                                                                                                                                                                                                                              | EA   | 7        | 0%      | 7                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 749.02    | \$ 839.38    | \$ 5,875.66   |  |
| 435          |                                                    |                                    | EF-8: Exhaust Fan, GREENHECK MODEL G-070-VG, CFM: 280, S                                                                                                                                                                                                                              | EA   | 2        | 0%      | 2                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 709.22    | \$ 799.58    | \$ 1,599.16   |  |
| 436          |                                                    |                                    | EF-9: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 100, SP:                                                                                                                                                                                                                             | EA   | 1        | 0%      | 1                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 289.53    | \$ 379.89    | \$ 379.89     |  |
| 437          |                                                    |                                    | EF-10: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 150, SP                                                                                                                                                                                                                             | EA   | 1        | 0%      | 1                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 298.53    | \$ 388.89    | \$ 388.89     |  |
| 438          |                                                    |                                    | DAMPERS                                                                                                                                                                                                                                                                               |      |          |         |                        |                  |                |               |              |              |               |  |
| 438          |                                                    |                                    | 6" Dia Fire Smoke Damper                                                                                                                                                                                                                                                              | EA   | 112      | 0%      | 112                    | 0.585            | \$ 72.00       | \$ 42.12      | \$ 168.16    | \$ 210.28    | \$ 23,551.36  |  |
| 439          |                                                    |                                    | 18"x10" Fire Smoke Damper                                                                                                                                                                                                                                                             | EA   | 4        | 0%      | 4                      | 0.625            | \$ 72.00       | \$ 45.00      | \$ 132.48    | \$ 177.48    | \$ 709.92     |  |
| 440          |                                                    |                                    | 26"x8" Fire Smoke Damper                                                                                                                                                                                                                                                              | EA   | 4        | 0%      | 4                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 153.70    | \$ 200.50    | \$ 802.00     |  |
| 441          |                                                    |                                    | 26"x16" Fire Smoke Damper                                                                                                                                                                                                                                                             | EA   | 1        | 0%      | 1                      | 0.655            | \$ 72.00       | \$ 47.16      | \$ 168.52    | \$ 215.68    | \$ 215.68     |  |
| 442          |                                                    |                                    | 6" Dia Volume Damper                                                                                                                                                                                                                                                                  | EA   | 21       | 0%      | 21                     | 0.585            | \$ 72.00       | \$ 42.12      | \$ 84.57     | \$ 126.69    | \$ 2,660.49   |  |
| 443          |                                                    |                                    | 8" Dia Volume Damper                                                                                                                                                                                                                                                                  | EA   | 4        | 0%      | 4                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 96.10     | \$ 139.30    | \$ 557.20     |  |
| 444          |                                                    |                                    | 10" Dia Volume Damper                                                                                                                                                                                                                                                                 | EA   | 2        | 0%      | 2                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 102.91    | \$ 146.11    | \$ 292.22     |  |
| 445          |                                                    |                                    | 40"x28" Motorized Damper                                                                                                                                                                                                                                                              | EA   | 1        | 0%      | 1                      | 1.325            | \$ 72.00       | \$ 95.40      | \$ 997.61    | \$ 1,093.01  | \$ 1,093.01   |  |
| 446          |                                                    |                                    | DUCT WEIGHT                                                                                                                                                                                                                                                                           |      |          |         |                        |                  |                |               |              |              |               |  |
| 446          |                                                    |                                    | Galvanized Sheet Metal Duct                                                                                                                                                                                                                                                           | LB   | 12985    | 10%     | 14284                  | 0.098            | \$ 72.00       | \$ 7.06       | \$ 0.98      | \$ 804       | \$ 114,782.21 |  |
| 447          |                                                    |                                    | DUCT INSULATION                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| 447          |                                                    |                                    | 1-1/2" Thick Mineral Fiber Blanket Insulation                                                                                                                                                                                                                                         | SF   | 10952    | 10%     | 12047                  | 0.012            | \$ 72.00       | \$ 0.86       | \$ 1.15      | \$ 201       | \$ 24,263.06  |  |
| 448          |                                                    |                                    | MISCELLANEOUS                                                                                                                                                                                                                                                                         |      |          |         |                        |                  |                |               |              |              |               |  |
| 448          |                                                    |                                    | 6" Dia Circular Clamp                                                                                                                                                                                                                                                                 | EA   | 8        | 0%      | 8                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 50.99     | \$ 76.19     | \$ 609.52     |  |
| 449          |                                                    |                                    | 8" Dia Circular Clamp                                                                                                                                                                                                                                                                 | EA   | 4        | 0%      | 4                      | 0.380            | \$ 72.00       | \$ 27.36      | \$ 62.25     | \$ 89.61     | \$ 358.44     |  |
| 450          |                                                    |                                    | 10" Dia Circular Clamp                                                                                                                                                                                                                                                                | EA   | 2        | 0%      | 2                      | 0.400            | \$ 72.00       | \$ 28.80      | \$ 59.60     | \$ 88.40     | \$ 176.80     |  |
| 451          |                                                    |                                    | Thermostat                                                                                                                                                                                                                                                                            | EA   | 7        | 0%      | 7                      | 0.685            | \$ 72.00       | \$ 49.32      | \$ 78.65     | \$ 127.97    | \$ 895.79     |  |
| 452          |                                                    |                                    | Duct Smoke Detector                                                                                                                                                                                                                                                                   | EA   | 7        | 0%      | 7                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 184.59    | \$ 245.79    | \$ 1,720.53   |  |
| 453          |                                                    |                                    | PIPE SUPPORTS                                                                                                                                                                                                                                                                         |      |          |         |                        |                  |                |               |              |              |               |  |
| 453          |                                                    |                                    | 3/8" Dia Adjustable Clevis Hanger                                                                                                                                                                                                                                                     | EA   | 105      | 0%      | 105                    |                  |                |               |              |              |               |  |
| 454          |                                                    |                                    | 5/8" Dia Adjustable Clevis Hanger                                                                                                                                                                                                                                                     | EA   | 105      | 0%      | 105                    |                  |                |               |              |              |               |  |
| 455          |                                                    |                                    | 3/4" Dia Adjustable Clevis Hanger                                                                                                                                                                                                                                                     | EA   | 28       | 0%      | 28                     |                  |                |               |              |              |               |  |
| 456          |                                                    |                                    | 3/8" Dia Threaded Rod (1 Ea. = 1 FT)                                                                                                                                                                                                                                                  | EA   | 238      | 0%      | 238                    | 0.150            | \$ 72.00       | \$ 10.80      | \$ 11.85     | \$ 22.65     | \$ 5,390.70   |  |
| 457          |                                                    |                                    | DUCT SUPPORTS                                                                                                                                                                                                                                                                         |      |          |         |                        |                  |                |               |              |              |               |  |
| 457          |                                                    |                                    | 3/8" Threaded Rod                                                                                                                                                                                                                                                                     | EA   | 2538     | 0%      | 2538                   | 0.150            | \$ 72.00       | \$ 10.80      | \$ 11.85     | \$ 22.65     | \$ 57,485.70  |  |
| 458          |                                                    |                                    | 1" x 22 Ga. Smp                                                                                                                                                                                                                                                                       | EA   | 254      | 0%      | 254                    | 0.068            | \$ 72.00       | \$ 4.90       | \$ 4.98      | \$ 988       | \$ 2,508.50   |  |
| SUB TO TAL   |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              | \$ 609,999    |  |
| ELECTRICAL   |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| DISTRIBUTION |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| CONDUIT      |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| 459          |                                                    |                                    | 1-1/4" EMT Conduit                                                                                                                                                                                                                                                                    | LF   | 246      | 10%     | 271                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 5.82      | \$ 11.58     | \$ 3,134.82   |  |
| 460          |                                                    |                                    | 2" EMT Conduit                                                                                                                                                                                                                                                                        | LF   | 1170     | 10%     | 1287                   | 0.100            | \$ 72.00       | \$ 7.20       | \$ 8.90      | \$ 16.10     | \$ 20,714.68  |  |
| CONDUCTOR    |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| 461          |                                                    |                                    | #8 CU THHN/THWN                                                                                                                                                                                                                                                                       | LF   | 246      | 10%     | 271                    | 0.010            | \$ 72.00       | \$ 0.72       | \$ 0.56      | \$ 1.28      | \$ 346.51     |  |
| 462          |                                                    |                                    | #6 CU THHN/THWN                                                                                                                                                                                                                                                                       | LF   | 674      | 10%     | 742                    | 0.012            | \$ 72.00       | \$ 0.86       | \$ 0.80      | \$ 1.66      | \$ 1,234.42   |  |
| 463          |                                                    |                                    | #2 CU THHN/THWN                                                                                                                                                                                                                                                                       | LF   | 1480     | 10%     | 1628                   | 0.180            | \$ 72.00       | \$ 12.96      | \$ 1.81      | \$ 14.77     | \$ 24,040.04  |  |

| SR # | Drawing # | Detail #                                                                                         | DESCRIPTION                                                                         | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST     |
|------|-----------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|---------------|--------------|--------------|--------------|
| 464  |           |                                                                                                  | #3/0 CU THHN/THWN                                                                   | LF   | 4679     | 10%     | 5147                   | 0.032           | \$ 72.00       | \$ 230        | \$ 474       | \$ 704       | \$ 36,251.97 |
|      |           |                                                                                                  | <b>LUGS</b>                                                                         |      |          |         |                        |                 |                |               |              |              |              |
| 465  |           |                                                                                                  | Compression Lug CU With 1-Hole , #8 CU Wire                                         | EA   | 4        | 0%      | 4                      | 0.222           | \$ 72.00       | \$ 15.98      | \$ 252       | \$ 18.50     | \$ 74.02     |
| 466  |           |                                                                                                  | Heat Shrink Tubing for #8 CU Wire                                                   | EA   | 4        | 0%      | 4                      | 0.150           | \$ 72.00       | \$ 10.80      | \$ 1.78      | \$ 12.58     | \$ 50.32     |
| 467  |           |                                                                                                  | Compression Lug CU With 1-Hole , #6 CU Wire                                         | EA   | 32       | 0%      | 32                     | 0.267           | \$ 72.00       | \$ 19.22      | \$ 230       | \$ 22.15     | \$ 708.93    |
| 468  |           |                                                                                                  | Heat Shrink Tubing for #6 CU Wire                                                   | EA   | 32       | 0%      | 32                     | 0.150           | \$ 72.00       | \$ 10.80      | \$ 2.22      | \$ 13.02     | \$ 416.64    |
| 469  |           |                                                                                                  | Compression Lug CU With 1-Hole , #2 CU Wire                                         | EA   | 42       | 0%      | 42                     | 0.333           | \$ 72.00       | \$ 23.98      | \$ 485       | \$ 28.83     | \$ 1,210.69  |
| 470  |           |                                                                                                  | Heat Shrink Tubing for #2 CU Wire                                                   | EA   | 42       | 0%      | 42                     | 0.150           | \$ 72.00       | \$ 10.80      | \$ 2.59      | \$ 13.39     | \$ 562.38    |
| 471  |           |                                                                                                  | Compression Lug CU With 1-Hole , #3/0 CU Wire                                       | EA   | 232      | 0%      | 232                    | 0.667           | \$ 72.00       | \$ 48.02      | \$ 993       | \$ 57.95     | \$ 13,445.33 |
| 472  |           |                                                                                                  | Heat Shrink Tubing for #3/0 CU Wire                                                 | EA   | 232      | 0%      | 232                    | 0.150           | \$ 72.00       | \$ 10.80      | \$ 3.12      | \$ 13.92     | \$ 3,229.44  |
|      |           |                                                                                                  | <b>CIRCUIT BREAKER</b>                                                              |      |          |         |                        |                 |                |               |              |              |              |
| 473  |           |                                                                                                  | 1P/20A Breaker                                                                      | EA   | 816      | 0%      | 816                    | 0.620           | \$ 72.00       | \$ 44.64      | \$ 62.53     | \$ 107.17    | \$ 87,450.72 |
| 474  |           |                                                                                                  | 1P/30A Breaker                                                                      | EA   | 3        | 0%      | 3                      | 0.620           | \$ 72.00       | \$ 44.64      | \$ 62.53     | \$ 107.17    | \$ 321.51    |
| 475  |           |                                                                                                  | 2P/15A Breaker                                                                      | EA   | 4        | 0%      | 4                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 703.24    |
| 476  |           |                                                                                                  | 2P/20A Breaker                                                                      | EA   | 123      | 0%      | 123                    | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 21,624.63 |
| 477  |           |                                                                                                  | 2P/30A Breaker                                                                      | EA   | 9        | 0%      | 9                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 1,582.29  |
| 478  |           |                                                                                                  | 2P/50A Breaker                                                                      | EA   | 2        | 0%      | 2                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 351.62    |
| 479  |           |                                                                                                  | 2P/60A Breaker                                                                      | EA   | 7        | 0%      | 7                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 1,230.67  |
| 480  |           |                                                                                                  | 3P/30A Breaker                                                                      | EA   | 3        | 0%      | 3                      | 1.125           | \$ 72.00       | \$ 81.00      | \$ 356.03    | \$ 437.03    | \$ 1,311.09  |
| 481  |           |                                                                                                  | 3P/60A Breaker                                                                      | EA   | 2        | 0%      | 2                      | 1.125           | \$ 72.00       | \$ 81.00      | \$ 356.03    | \$ 437.03    | \$ 874.06    |
| 482  |           |                                                                                                  | 3P/100A Breaker                                                                     | EA   | 6        | 0%      | 6                      | 1.550           | \$ 72.00       | \$ 111.60     | \$ 504.84    | \$ 616.44    | \$ 3,698.64  |
| 483  |           |                                                                                                  | 3P/100A MCB                                                                         | EA   | 1        | 0%      | 1                      | 1.580           | \$ 72.00       | \$ 113.76     | \$ 668.49    | \$ 782.25    | \$ 782.25    |
| 484  |           |                                                                                                  | 3P/200A Breaker                                                                     | EA   | 14       | 0%      | 14                     | 2.000           | \$ 72.00       | \$ 144.00     | \$ 1,194.35  | \$ 1,338.35  | \$ 18,736.90 |
| 485  |           |                                                                                                  | 3P/400A Breaker                                                                     | EA   | 5        | 0%      | 5                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 1,832.56  | \$ 2,057.20  | \$ 10,286.00 |
| 486  |           |                                                                                                  | 3P/3000A MCB                                                                        | EA   | 1        | 0%      | 1                      | 7.500           | \$ 72.00       | \$ 540.00     | \$ 27,500.00 | \$ 28,040.00 | \$ 28,040.00 |
|      |           |                                                                                                  | <b>PANEL</b>                                                                        |      |          |         |                        |                 |                |               |              |              |              |
| 487  |           | MSB Has SPD & Missing                                                                            | Main Distribution Panel MSB: 3000A, 120/208V, 3Ph, 4W, Main: MCB, 65 KAIC, 66 Poles | EA   | 1        | 0%      | 1                      | 18.000          | \$ 72.00       | \$ 1,296.00   | \$ 60,000.00 | \$ 61,296.00 | \$ 61,296.00 |
| 487  |           |                                                                                                  | Surge Protection Device, Modular Type, Integrally Mounted                           | EA   | 1        | 0%      | 1                      | 18.000          | \$ 72.00       | \$ 1,296.00   | \$ 60,000.00 | \$ 61,296.00 | \$ 61,296.00 |
| 488  |           |                                                                                                  | Panel 1A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 489  |           |                                                                                                  | Panel 1B: 400A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 490  |           |                                                                                                  | Panel 1C: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 491  |           |                                                                                                  | Panel 1D: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 492  |           |                                                                                                  | Panel 1E: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 493  |           |                                                                                                  | Panel 2A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 494  |           |                                                                                                  | Panel 2B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 495  |           |                                                                                                  | Panel 2C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 496  |           |                                                                                                  | Panel 2D: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 497  |           |                                                                                                  | Panel 2E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 498  |           |                                                                                                  | Panel 3A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 499  |           |                                                                                                  | Panel 3B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 500  |           |                                                                                                  | Panel 3C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 501  |           |                                                                                                  | Panel 3D: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 502  |           |                                                                                                  | Panel 3E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 503  |           |                                                                                                  | Panel 4A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 504  |           |                                                                                                  | Panel 4B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 505  |           |                                                                                                  | Panel 4C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,560.00  | \$ 4,784.64  | \$ 4,784.64  |
| 506  |           |                                                                                                  | Panel 4D: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 507  |           |                                                                                                  | Panel 4E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 508  |           |                                                                                                  | Panel 5A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 509  |           |                                                                                                  | Panel 5B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 510  |           |                                                                                                  | Panel 5C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 511  |           |                                                                                                  | Panel 5D: 400A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 512  |           |                                                                                                  | Panel 5E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 513  |           |                                                                                                  | Panel EM: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 514  |           |                                                                                                  | Panel K: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                      | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 515  |           |                                                                                                  | Panel PL: 100A, 120/208V, 3Ph, 4W, Main: MCB, 22 KAIC, 30 Poles                     | EA   | 1        | 0%      | 1                      | 1.325           | \$ 72.00       | \$ 95.40      | \$ 1,877.56  | \$ 1,972.96  | \$ 1,972.96  |
| 516  |           |                                                                                                  | Panel SL: 100A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 30 Poles                     | EA   | 1        | 0%      | 1                      | 1.325           | \$ 72.00       | \$ 95.40      | \$ 1,877.56  | \$ 1,972.96  | \$ 1,972.96  |
|      |           |                                                                                                  | <b>DEVICES</b>                                                                      |      |          |         |                        |                 |                |               |              |              |              |
| 517  |           |                                                                                                  | 3000A Utility Meter                                                                 | EA   | 1        | 0%      | 1                      | 2.550           | \$ 72.00       | \$ 183.60     | \$ 1,744.32  | \$ 1,927.92  | \$ 1,927.92  |
| 518  |           |                                                                                                  | 4P/200A ATS                                                                         | EA   | 1        | 0%      | 1                      | 3.450           | \$ 72.00       | \$ 246.40     | \$ 3,443.00  | \$ 3,689.40  | \$ 3,689.40  |
|      |           | (Interior DS NEMA 1, Exterior DS NEMA 3R, Ratings are mentioned on Plan, Fusible disconnects are | <b>DISCONNECT SWITCH</b>                                                            |      |          |         |                        |                 |                |               |              |              |              |
| 520  |           |                                                                                                  | 1P/20A Signage Disconnect Switch, NEMA 3R                                           | EA   | 3        | 0%      | 3                      | 0.785           | \$ 72.00       | \$ 56.52      | \$ 187.36    | \$ 243.88    | \$ 731.64    |
| 521  |           |                                                                                                  | 1P/30A Disconnect Switch, NEMA 1                                                    | EA   | 2        | 0%      | 2                      | 0.785           | \$ 72.00       | \$ 56.52      | \$ 187.36    | \$ 243.88    | \$ 487.76    |
| 522  |           |                                                                                                  | 2P/30AS15AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 2        | 0%      | 2                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 240.23    | \$ 320.87    | \$ 641.74    |
| 523  |           |                                                                                                  | 2P/30AS25AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 1        | 0%      | 1                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 212.42    | \$ 293.06    | \$ 293.06    |
| 524  |           |                                                                                                  | 2P/30AS30AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 2        | 0%      | 2                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 240.23    | \$ 320.87    | \$ 641.74    |
| 525  |           |                                                                                                  | 2P/60AS40AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 2        | 0%      | 2                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 212.42    | \$ 293.06    | \$ 586.12    |
| 526  |           |                                                                                                  | 2P/60AS50AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 1        | 0%      | 1                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 462.13    |
| 527  |           |                                                                                                  | 2P/60AS60AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 8        | 0%      | 8                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 3,697.04  |
| 528  |           | Rating Assumed From Panel                                                                        | 3P/60A Disconnect Switch, NEMA 1                                                    | EA   | 5        | 0%      | 5                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 2,310.65  |
| 529  |           |                                                                                                  | 3P/100A Disconnect Switch, NEMA 1                                                   | EA   | 2        | 0%      | 2                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 924.26    |
| 530  |           |                                                                                                  | 3P/200AS200AF Fused Disconnect Switch, NEMA 3R                                      | EA   | 1        | 0%      | 1                      | 2.500           | \$ 72.00       | \$ 180.00     | \$ 586.58    | \$ 766.58    | \$ 766.58    |
| 531  |           |                                                                                                  | 3P/400AS225AF Fused Disconnect Switch, NEMA 3R                                      | EA   | 1        | 0%      | 1                      | 2.500           | \$ 72.00       | \$ 180.00     | \$ 586.58    | \$ 766.58    | \$ 766.58    |
|      |           |                                                                                                  | <b>GROUNDING</b>                                                                    |      |          |         |                        |                 |                |               |              |              |              |
| 532  |           | Grounding Rod of Generator and MSB is Missing                                                    | 3/4" x 10' CU Clad Ground Rod                                                       | EA   | 4        | 0%      | 4                      | 0.385           | \$ 72.00       | \$ 27.72      | \$ 48.78     | \$ 76.50     | \$ 306.00    |
| 533  |           |                                                                                                  | Ground Bus Bar                                                                      | EA   | 2        | 0%      | 2                      | 0.400           | \$ 72.00       | \$ 28.80      | \$ 52.75     | \$ 81.55     | \$ 163.10    |
| 534  |           |                                                                                                  | Ground Clamp                                                                        | EA   | 1        | 0%      | 1                      | 0.420           | \$ 72.00       | \$ 30.24      | \$ 18.71     | \$ 48.95     | \$ 48.95     |
| 535  |           |                                                                                                  | #6 CU Grounding Conductor                                                           | LF   | 30       | 10%     | 33                     | 0.044           | \$ 72.00       | \$ 3.17       | \$ 1.80      | \$ 4.77      | \$ 157.34    |

| SR # | Drawing #                                          | Detail #                                            | DESCRIPTION                                                                                                           | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST | UNIT COST | SUB COST      |
|------|----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|-----------|-----------|---------------|
| 536  | E101, E102,<br>E103, E104,<br>E600, E601 &<br>E602 | Length Assumed                                      | #4 CU Grounding Conductor, Concrete Encased                                                                           | LF   | 20       | 10%     | 22                     | 0.050            | \$ 72.00       | \$ 360        | \$ 1.58   | \$ 518    | \$ 113.96     |
| 537  |                                                    |                                                     | #3/0 CU Grounding Conductor                                                                                           | LF   | 40       | 10%     | 44                     | 0.032            | \$ 72.00       | \$ 230        | \$ 4.75   | \$ 705    | \$ 310.38     |
|      |                                                    |                                                     | POWER                                                                                                                 |      |          |         |                        |                  |                |               |           |           |               |
|      |                                                    |                                                     | CONDUIT                                                                                                               |      |          |         |                        |                  |                |               |           |           |               |
| 538  |                                                    |                                                     | 3/4" EMT Conduit                                                                                                      | LF   | 83341    | 10%     | 91675                  | 0.062            | \$ 72.00       | \$ 4.46       | \$ 2.07   | \$ 653    | \$ 599,004.67 |
| 539  |                                                    |                                                     | 1" EMT Conduit                                                                                                        | LF   | 1488     | 10%     | 1648                   | 0.070            | \$ 72.00       | \$ 5.04       | \$ 3.54   | \$ 858    | \$ 14,138.12  |
| 540  |                                                    |                                                     | 2" EMT Conduit                                                                                                        | LF   | 466      | 10%     | 513                    | 0.100            | \$ 72.00       | \$ 7.20       | \$ 8.90   | \$ 16.40  | \$ 8,252.86   |
| 541  |                                                    |                                                     | 3" EMT Conduit                                                                                                        | LF   | 229      | 10%     | 252                    | 0.160            | \$ 72.00       | \$ 11.52      | \$ 14.43  | \$ 25.95  | \$ 6,532.81   |
| 542  |                                                    |                                                     | 3/4" PVC SCH 40 Conduit                                                                                               | LF   | 233      | 10%     | 256                    | 0.055            | \$ 72.00       | \$ 3.96       | \$ 2.20   | \$ 616    | \$ 1,578.81   |
| 543  |                                                    |                                                     | 3/4" RGS Conduit                                                                                                      | LF   | 362      | 10%     | 398                    | 0.100            | \$ 72.00       | \$ 7.20       | \$ 4.15   | \$ 11.35  | \$ 4,519.57   |
| 544  |                                                    |                                                     | 2" RGS Conduit                                                                                                        | LF   | 15       | 10%     | 17                     | 0.178            | \$ 72.00       | \$ 12.82      | \$ 13.40  | \$ 26.22  | \$ 432.56     |
| 545  |                                                    |                                                     | 3" RGS Conduit                                                                                                        | LF   | 5        | 10%     | 6                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ 29.34  | \$ 52.38  | \$ 292.12     |
|      |                                                    |                                                     | CONDUCTOR                                                                                                             |      |          |         |                        |                  |                |               |           |           |               |
| 546  |                                                    |                                                     | 3#12 MC Cable                                                                                                         | LF   | 3814     | 10%     | 4196                   | 0.018            | \$ 72.00       | \$ 1.30       | \$ 1.28   | \$ 2.58   | \$ 10,807.97  |
| 547  |                                                    |                                                     | #12 CU THHN/THWN                                                                                                      | LF   | 229802   | 10%     | 252782                 | 0.007            | \$ 72.00       | \$ 0.50       | \$ 0.25   | \$ 0.75   | \$ 190,597.83 |
| 548  |                                                    |                                                     | #10 CU THHN/THWN                                                                                                      | LF   | 34789    | 10%     | 38268                  | 0.008            | \$ 72.00       | \$ 0.58       | \$ 0.37   | \$ 0.95   | \$ 36,201.43  |
| 549  |                                                    |                                                     | #8 CU THHN/THWN                                                                                                       | LF   | 4535     | 10%     | 4989                   | 0.010            | \$ 72.00       | \$ 0.72       | \$ 0.56   | \$ 1.28   | \$ 6,385.28   |
| 550  |                                                    |                                                     | #6 CU THHN/THWN                                                                                                       | LF   | 5132     | 10%     | 5645                   | 0.012            | \$ 72.00       | \$ 0.86       | \$ 0.80   | \$ 1.66   | \$ 9,393.61   |
| 551  |                                                    |                                                     | #4 CU THHN/THWN                                                                                                       | LF   | 234      | 10%     | 257                    | 0.015            | \$ 72.00       | \$ 1.08       | \$ 1.27   | \$ 2.35   | \$ 604.89     |
| 552  |                                                    |                                                     | #3 CU THHN/THWN                                                                                                       | LF   | 1244     | 10%     | 1368                   | 0.016            | \$ 72.00       | \$ 1.15       | \$ 1.81   | \$ 2.96   | \$ 4,053.20   |
| 553  |                                                    |                                                     | #3/0 CU THHN/THWN                                                                                                     | LF   | 680      | 10%     | 748                    | 0.032            | \$ 72.00       | \$ 2.30       | \$ 4.75   | \$ 705    | \$ 5,276.39   |
| 554  |                                                    |                                                     | #4/0 CU THHN/THWN                                                                                                     | LF   | 936      | 10%     | 1030                   | 0.036            | \$ 72.00       | \$ 2.59       | \$ 5.97   | \$ 856    | \$ 8,815.44   |
|      |                                                    |                                                     | Emergency Shut<br>off control Switch<br>in Pool is missing                                                            |      |          |         |                        |                  |                |               |           |           |               |
|      |                                                    |                                                     | DEVICE                                                                                                                |      |          |         |                        |                  |                |               |           |           |               |
| 555  |                                                    |                                                     | 120V Motorized Fire Dumper                                                                                            | EA   | 1        | 0%      | 1                      | 1.125            | \$ 72.00       | \$ 81.00      | \$ 716.10 | \$ 797.10 | \$ 797.10     |
| 555  |                                                    | Rating Assumed<br>From Panel                        | 20A Equipment Connection                                                                                              | EA   | 3        | 0%      | 3                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ -      | \$ 23.04  | \$ 69.12      |
| 556  |                                                    |                                                     | 60A Equipment Connection                                                                                              | EA   | 1        | 0%      | 1                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ -      | \$ 23.04  | \$ 23.04      |
| 557  |                                                    |                                                     | 20A Single Phase Motor Switch                                                                                         | EA   | 24       | 0%      | 24                     | 0.325            | \$ 72.00       | \$ 23.40      | \$ 28.19  | \$ 51.59  | \$ 1,238.16   |
| 558  |                                                    |                                                     | 30A Duplex Receptacle                                                                                                 | EA   | 2        | 0%      | 2                      | 0.380            | \$ 72.00       | \$ 27.36      | \$ 45.56  | \$ 72.92  | \$ 145.84     |
| 559  |                                                    |                                                     | Duplex Receptacle, LEVITON 16352, Face Plate, 80401                                                                   | EA   | 933      | 0%      | 933                    | 0.350            | \$ 72.00       | \$ 25.20      | \$ 28.14  | \$ 53.34  | \$ 49,766.22  |
| 560  |                                                    |                                                     | Duplex Receptacle, Above Counter, LEVITON 16352, Face Plate, 80401                                                    | EA   | 2        | 0%      | 2                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 28.14  | \$ 53.34  | \$ 106.68     |
| 561  |                                                    |                                                     | Duplex Receptacle, Flush Floor Mounted With Chrome Cover Plate                                                        | EA   | 21       | 0%      | 21                     | 0.350            | \$ 72.00       | \$ 25.20      | \$ 64.99  | \$ 90.19  | \$ 1,893.99   |
| 562  |                                                    |                                                     | Duplex Receptacle, GFCI, LEVITON 16352, Face Plate, 80401                                                             | EA   | 243      | 0%      | 243                    | 0.350            | \$ 72.00       | \$ 25.20      | \$ 52.47  | \$ 77.67  | \$ 18,873.81  |
| 563  |                                                    |                                                     | Duplex Receptacle, GFCI, WP                                                                                           | EA   | 27       | 0%      | 27                     | 0.325            | \$ 72.00       | \$ 23.40      | \$ 47.86  | \$ 71.26  | \$ 1,924.02   |
| 564  |                                                    |                                                     | Duplex Receptacle, USB, LEGRAND ARTRUSB153M4                                                                          | EA   | 213      | 0%      | 213                    | 0.350            | \$ 72.00       | \$ 25.20      | \$ 61.53  | \$ 86.73  | \$ 18,473.49  |
| 565  |                                                    |                                                     | Emergency Shutoff Control Switch                                                                                      | EA   | 1        | 0%      | 1                      | 0.285            | \$ 72.00       | \$ 20.52      | \$ 15.50  | \$ 36.02  | \$ 36.02      |
| 566  |                                                    |                                                     | Quadplex Receptacle                                                                                                   | EA   | 87       | 0%      | 87                     | 0.420            | \$ 72.00       | \$ 30.24      | \$ 75.23  | \$ 105.47 | \$ 9,175.89   |
| 567  |                                                    |                                                     | Quadplex Receptacle, USB                                                                                              | EA   | 110      | 0%      | 110                    | 0.420            | \$ 72.00       | \$ 30.24      | \$ 80.12  | \$ 110.36 | \$ 12,139.60  |
| 568  |                                                    |                                                     | Single Phase Motor Switch                                                                                             | EA   | 2        | 0%      | 2                      | 0.325            | \$ 72.00       | \$ 23.40      | \$ 31.20  | \$ 54.60  | \$ 109.20     |
| 569  |                                                    | Provided By<br>Smartcon                             | Smart RF Switch                                                                                                       | EA   | 0        | 0%      | 0                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ -      | \$ 23.04  | \$ -          |
| 570  |                                                    |                                                     | Thermostat, ES28 ESERIES                                                                                              | EA   | 0        | 0%      | 0                      | 0.655            | \$ 72.00       | \$ 47.16      | \$ -      | \$ 47.16  | \$ -          |
|      |                                                    |                                                     | LIGHTING                                                                                                              |      |          |         |                        |                  |                |               |           |           |               |
|      |                                                    |                                                     | CONDUIT                                                                                                               |      |          |         |                        |                  |                |               |           |           |               |
| 571  |                                                    | Length Assumed                                      | 3/4" EMT Conduit                                                                                                      | LF   | 120      | 10%     | 132                    | 0.062            | \$ 72.00       | \$ 4.46       | \$ 2.07   | \$ 653    | \$ 862.49     |
| 572  |                                                    |                                                     | 3/4" EMT Conduit                                                                                                      | LF   | 35240    | 10%     | 38792                  | 0.062            | \$ 72.00       | \$ 4.46       | \$ 2.07   | \$ 653    | \$ 253,463.66 |
| 573  |                                                    |                                                     | 1" EMT Conduit                                                                                                        | LF   | 6114     | 10%     | 6726                   | 0.070            | \$ 72.00       | \$ 5.04       | \$ 3.54   | \$ 858    | \$ 57,705.91  |
| 574  |                                                    |                                                     | 3/4" RGS Conduit                                                                                                      | LF   | 167      | 10%     | 184                    | 0.100            | \$ 72.00       | \$ 7.20       | \$ 4.15   | \$ 11.35  | \$ 2,085.87   |
| 575  |                                                    |                                                     | 3/4" PVC SCH 40 Conduit                                                                                               | LF   | 87       | 10%     | 96                     | 0.055            | \$ 72.00       | \$ 3.96       | \$ 2.20   | \$ 616    | \$ 590.33     |
|      |                                                    |                                                     | CONDUCTOR                                                                                                             |      |          |         |                        |                  |                |               |           |           |               |
| 576  |                                                    | Length Assumed<br>& Provided By<br>Others           | CAT5e Cable                                                                                                           | LF   | 300      | 10%     | 330                    | 0.028            | \$ 72.00       | \$ 2.02       | \$ -      | \$ 2.02   | \$ 665.28     |
| 577  |                                                    |                                                     | 3#12 MC Cable                                                                                                         | LF   | 6838     | 10%     | 7522                   | 0.018            | \$ 72.00       | \$ 1.30       | \$ 1.28   | \$ 2.58   | \$ 19,377.23  |
| 578  |                                                    |                                                     | #12 CU THHN/THWN                                                                                                      | LF   | 102090   | 10%     | 112299                 | 0.007            | \$ 72.00       | \$ 0.50       | \$ 0.25   | \$ 0.75   | \$ 84,673.45  |
| 579  |                                                    |                                                     | #10 CU THHN/THWN                                                                                                      | LF   | 4467     | 10%     | 4914                   | 0.008            | \$ 72.00       | \$ 0.58       | \$ 0.37   | \$ 0.95   | \$ 4,648.27   |
| 580  |                                                    |                                                     | #8 CU THHN/THWN                                                                                                       | LF   | 18343    | 10%     | 20177                  | 0.010            | \$ 72.00       | \$ 0.72       | \$ 0.56   | \$ 1.28   | \$ 25,826.42  |
| 581  |                                                    | Length Assumed<br>5th Floor Take-<br>Off is Missing | #18 CU THHN/THWN                                                                                                      | LF   | 240      | 10%     | 264                    | 0.004            | \$ 72.00       | \$ 0.29       | \$ 0.16   | \$ 0.45   | \$ 118.27     |
|      |                                                    |                                                     | LIGHTING FIXTURES                                                                                                     |      |          |         |                        |                  |                |               |           |           |               |
| 582  |                                                    |                                                     | B01: 2' X 2' LED Lighting Fixture, COOPER-METALUX, 22C22-39-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 31W        | EA   | 62       | 0%      | 62                     | 0.775            | \$ 72.00       | \$ 55.80      | \$ 145.00 | \$ 200.80 | \$ 12,449.60  |
| 583  |                                                    |                                                     | B04: 2' X 2' LED Lighting Fixture, COOPER-METALUX, 22SR-LD2-29-C-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 23.4W | EA   | 14       | 0%      | 14                     | 0.775            | \$ 72.00       | \$ 55.80      | \$ 205.00 | \$ 260.80 | \$ 3,651.20   |
| 584  |                                                    |                                                     | B06: 4' X 4' Lighting Fixture, COOPER-METALUX, 24GR-LD5-72-F1-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 54.3W    | EA   | 11       | 0%      | 11                     | 1.406            | \$ 72.00       | \$ 101.25     | \$ 245.00 | \$ 346.25 | \$ 3,808.75   |
| 585  |                                                    |                                                     | B08: Cooper - Neo Ray, S124DR-S795D830-FSR3 F-1-UDD-F-W<br>Mounting: Recessed<br>Watts: 26.2W                         | EA   | 110      | 0%      | 110                    | 0.725            | \$ 72.00       | \$ 52.20      | \$ 87.98  | \$ 140.18 | \$ 15,419.80  |
| 586  |                                                    |                                                     | B10: 2' X 4' Lighting Fixture, Cooper - Metalux, 24GR-LD5-48-F1-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 34.9W  | EA   | 6        | 0%      | 6                      | 1.406            | \$ 72.00       | \$ 101.25     | \$ 148.36 | \$ 249.61 | \$ 1,497.66   |
| 587  |                                                    |                                                     | D112:(02EA) Philips Lightolier, 407431748<br>Mounting: Pendant<br>Watts: 30W                                          | LF   | 8        | 0%      | 8                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 32.37  | \$ 57.57  | \$ 480.13     |
| 588  |                                                    |                                                     | D210: Challenger Lighting, CA-4800-00<br>Mounting: Recessed<br>Watts: 34.5W                                           | EA   | 3        | 0%      | 3                      | 0.725            | \$ 72.00       | \$ 52.20      | \$ 78.96  | \$ 131.16 | \$ 393.48     |
| 589  |                                                    |                                                     | D211: 6' Lighting Fixture, Challenger Lighting, CA4802-00-LED NETWORK-ZONE-72"L<br>Mounting: Pendant<br>Watts: 40W    | EA   | 4        | 0%      | 4                      | 1.400            | \$ 72.00       | \$ 100.80     | \$ 196.52 | \$ 297.32 | \$ 1,189.28   |
| 590  |                                                    |                                                     | D306: Challenger Lighting, SA5124-00<br>Mounting: Sconce<br>Watts: 13W                                                | EA   | 63       | 0%      | 63                     | 1.206            | \$ 72.00       | \$ 86.85      | \$ 185.00 | \$ 271.85 | \$ 17,126.55  |
| 591  |                                                    |                                                     | Egress Light: LED Lighting Fixture, Cooper Surelite, SELW25BK<br>Mounting: Wall<br>Watts: 06W                         | EA   | 10       | 0%      | 10                     | 0.813            | \$ 72.00       | \$ 58.50      | \$ 88.83  | \$ 147.33 | \$ 1,473.30   |
| 592  |                                                    |                                                     | J05: 4' Lighting Fixture, Cooper - Metalux, 4WNLED-LD4-00-SL-F-UNV-L835-CD1-U<br>Mounting: Surface<br>Watts: 36W      | EA   | 66       | 0%      | 66                     | 1.406            | \$ 72.00       | \$ 101.25     | \$ 146.78 | \$ 248.03 | \$ 16,369.98  |
| 593  |                                                    |                                                     | J06: (05EA) 12' Lighting Fixture, Cooper - Metalux, 4SNX-26SL-LW-UNV-L830-CD1-U<br>Mounting: Surface<br>Watts: 14W    | LF   | 60       | 0%      | 60                     | 0.281            | \$ 72.00       | \$ 20.25      | \$ 26.50  | \$ 46.75  | \$ 2,805.00   |
| 594  |                                                    |                                                     | R72: LED Lighting Fixture, COOPER-HALO, HC620D010-<br>HM60525030-61MDH<br>Mounting: Recessed<br>Watts: 142W           | EA   | 162      | 0%      | 162                    | 0.600            | \$ 72.00       | \$ 43.20      | \$ 78.33  | \$ 121.53 | \$ 19,687.86  |
| 595  |                                                    |                                                     | R74: LED Lighting Fixture, COOPER-HALO, SLD405930WH<br>Mounting: Recessed<br>Watts: 12W                               | EA   | 330      | 0%      | 330                    | 0.563            | \$ 72.00       | \$ 40.50      | \$ 83.40  | \$ 123.90 | \$ 40,887.00  |

| SR #                          | Drawing # | Detail #                                                         | DESCRIPTION                                                                                                               | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST | UNIT COST | SUB COST      |
|-------------------------------|-----------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|-----------|-----------|---------------|
| 596                           |           |                                                                  | R76: LED Lighting Fixture, COOPER-HALO, HL36A20930ED0101CAT-TIR45NFL25-TL3R2GMW Mounting: Recessed Watts: 19W             | EA   | 22       | 0%      | 22                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 187.47 | \$ 230.67 | \$ 5,074.74   |
| 597                           |           |                                                                  | R77: LED Lighting Fixture, COOPER-HALO, H27501CAT-ML5606830-691WB Mounting: Recessed Watts: 9W                            | EA   | 110      | 0%      | 110                    | 0.563            | \$ 72.00       | \$ 40.50      | \$ 159.25 | \$ 199.75 | \$ 21,972.50  |
| 598                           |           |                                                                  | R82: LED Lighting Fixture, COOPER-HALO Lumiere, 340-6B15-D010-340-EUGB-1020-9030-6LBWL1-CC Mounting: Recessed Watts: 155W | EA   | 32       | 0%      | 32                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 52.98  | \$ 96.18  | \$ 3,077.76   |
| 599                           |           |                                                                  | R85: LED Lighting Fixture, COOPER-HALO, H4571CAT1E-EL406930-TLS408SNBB Mounting: Recessed Watts: 13W                      | EA   | 25       | 0%      | 25                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 85.51  | \$ 128.71 | \$ 3,217.75   |
| 600                           |           |                                                                  | R86: COOPER-HALO, ML4DM10LSFL9FSIE-TL43R2GMWWB Mounting: Recessed Watts: 12.8W                                            | EA   | 8        | 0%      | 8                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 57.45  | \$ 100.65 | \$ 805.20     |
| 601                           |           |                                                                  | R87: LED Lighting Fixture, COOPER-HALO, HC615D010-HM0525930-61MDH Mounting: Recessed Watts: 13.7W                         | EA   | 4        | 0%      | 4                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 96.29  | \$ 143.09 | \$ 572.36     |
| 602                           |           |                                                                  | R97ALT3: COOPER - Metalux, 4SWLED-LD4-48HL-LWUNY-L835-CD-SVPD1 Mounting: Surface Watts: 43.3W                             | EA   | 20       | 0%      | 20                     | 1.406            | \$ 72.00       | \$ 101.25     | \$ 323.26 | \$ 424.51 | \$ 8,490.20   |
| 603                           |           |                                                                  | R102: LED Lighting Fixture, COOPER-HALO, ML4DM10LSFL9FSIE-TL40R2GMW Mounting: Recessed Watts: 9.4W                        | EA   | 110      | 0%      | 110                    | 0.600            | \$ 72.00       | \$ 43.20      | \$ 58.45  | \$ 101.65 | \$ 11,181.50  |
| 604                           |           |                                                                  | X01: COOPER - Surelite, CX71SD Mounting: Wall Watts: 1W                                                                   | EA   | 40       | 0%      | 40                     | 0.569            | \$ 72.00       | \$ 40.95      | \$ 287.50 | \$ 328.45 | \$ 13,138.00  |
| 605                           |           |                                                                  | X01-WP: Weatherproof Light Fixture, COOPER - SURELITE, CX71SD Mounting: Wall Watts: 1W                                    | EA   | 2        | 0%      | 2                      | 0.569            | \$ 72.00       | \$ 40.95      | \$ 313.50 | \$ 354.45 | \$ 708.90     |
| 606                           |           |                                                                  | X03: LED Lighting Fixture, COOPER SURELITE, S125SD Mounting: Wall Watts: 06W                                              | EA   | 117      | 0%      | 117                    | 0.688            | \$ 72.00       | \$ 49.50      | \$ 108.97 | \$ 158.47 | \$ 18,540.99  |
| 607                           |           |                                                                  | Z100 (3EA): LED Lighting Fixture, LEGRAND-PINNACLE LIGHTING, EV3D-A-840-20-FL-U-FSD-1-W Mounting: Recessed Watts: 41W     | LF   | 63       | 0%      | 63                     | 0.300            | \$ 72.00       | \$ 21.60      | \$ 22.25  | \$ 43.85  | \$ 2,774.83   |
| 608                           |           |                                                                  | Z71: LED Lighting Fixture, COOPER - HALO, HC610D010-HM60525840-61MDC Mounting: Recessed Watts: 10W                        | EA   | 5        | 0%      | 5                      | 0.606            | \$ 72.00       | \$ 43.65      | \$ 71.10  | \$ 114.75 | \$ 573.75     |
| 609                           |           |                                                                  | Z75: LED Lighting Fixture, COOPER - Shaper, 673-16-WP-L3-840-UNV-DP-3HTV-2VTB/PC-BC Mounting: Surface Watts: 20W          | EA   | 10       | 0%      | 10                     | 1.063            | \$ 72.00       | \$ 76.50      | \$ 78.11  | \$ 154.61 | \$ 1,546.10   |
| 606                           |           |                                                                  | 001: Sconce Light, SIGNIFY-STONCO, #VW XL14NW-G18 VGC100 Mounting: Wall                                                   | EA   | 4        |         |                        |                  |                |               |           |           |               |
| 610                           |           |                                                                  | 003: Under Water Pool Light, Provided by Pool Contractor Mounting: Wall                                                   | EA   | 4        | 0%      | 4                      | 0.688            | \$ 72.00       | \$ 49.50      | \$ -      | \$ 49.50  | \$ 198.00     |
|                               |           |                                                                  | <b>LIGHTING CONTROL</b>                                                                                                   |      |          |         |                        |                  |                |               |           |           |               |
| 611                           |           | Related to Lighting Control                                      | 125A, 3Ph, 4W QSD in Rail Panel, ALPD8R20 BL4-GGGGBBBB                                                                    | EA   | 1        | 0%      | 1                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 575.00 | \$ 621.80 | \$ 621.80     |
| 612                           |           | Photocell & Time Clock is Missing                                | 3 Button With Raise/Lower And Light Icon-Pico Keypad, PJ2-3BRLL-GWH-L01                                                   | EA   | 4        | 0%      | 4                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ 22.45  | \$ 45.49  | \$ 181.96     |
| 613                           |           |                                                                  | 304 Main-Pole Lighting Contactor                                                                                          | EA   | 1        | 0%      | 1                      | 0.655            | \$ 72.00       | \$ 47.16      | \$ 459.19 | \$ 506.35 | \$ 506.35     |
| 614                           |           |                                                                  | Dimmer With XCT Occupancy & Vacancy Sensor                                                                                | EA   | 1        | 0%      | 1                      | 0.325            | \$ 72.00       | \$ 23.40      | \$ 48.76  | \$ 72.16  | \$ 72.16      |
| 615                           |           |                                                                  | Over Ride Switch                                                                                                          | EA   | 1        | 0%      | 1                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 52.39  | \$ 77.59  | \$ 77.59      |
| 615                           |           |                                                                  | Photoelectric Switch (Photocell)                                                                                          | EA   | 1        | 0%      | 1                      | 0.325            | \$ 72.00       | \$ 23.40      | \$ 28.99  | \$ 52.39  | \$ 52.39      |
| 616                           |           |                                                                  | Time Clock                                                                                                                | EA   | 1        | 0%      | 1                      | 0.325            | \$ 72.00       | \$ 23.40      | \$ 28.99  | \$ 52.39  | \$ 52.39      |
| 617                           |           |                                                                  | Powerpack Dimming Module With 0-10V Control, RMJS-8TN-DV-B                                                                | EA   | 4        | 0%      | 4                      | 0.585            | \$ 72.00       | \$ 42.12      | \$ 188.47 | \$ 230.59 | \$ 922.36     |
| 618                           |           |                                                                  | Seetouch QS Non Insert, Button, QWS2-5BRLN-WH-G                                                                           | EA   | 1        | 0%      | 1                      | 0.380            | \$ 72.00       | \$ 27.36      | \$ 266.46 | \$ 293.82 | \$ 293.82     |
| 619                           |           | Qty. Re-Check                                                    | Wireless Ceiling Occupancy Sensor, LRF2-OCR2-P-WH                                                                         | EA   | 4        | 0%      | 4                      | 0.400            | \$ 72.00       | \$ 28.80      | \$ 98.40  | \$ 127.20 | \$ 508.80     |
| 620                           |           |                                                                  | 3 Pole Master Switch Bank With Lighting Contactor, INNCOM #e528                                                           | EA   | 70       | 0%      | 70                     | 0.525            | \$ 72.00       | \$ 37.80      | \$ 149.58 | \$ 187.38 | \$ 13,116.60  |
| 621                           |           |                                                                  | 4 Pole Master Switch Bank With Lighting Contactor, INNCOM #e528                                                           | EA   | 40       | 0%      | 40                     | 0.580            | \$ 72.00       | \$ 41.76      | \$ 160.32 | \$ 202.08 | \$ 8,083.20   |
| 622                           |           |                                                                  | Keyed Switch                                                                                                              | EA   | 1        | 0%      | 1                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ 36.78  | \$ 59.82  | \$ 59.82      |
| 623                           |           |                                                                  | Occupancy Sensor, Ceiling Mounted, GREENGATE, OAC-DT-2000-R                                                               | EA   | 4        | 0%      | 4                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 172.00 | \$ 197.20 | \$ 788.80     |
| 624                           |           |                                                                  | Occupancy Sensor, Wall Mounted, GREENGATE, OAC-DT-2000-R                                                                  | EA   | 52       | 0%      | 52                     | 0.320            | \$ 72.00       | \$ 23.04      | \$ 172.00 | \$ 195.04 | \$ 10,142.08  |
| 625                           |           |                                                                  | Single Pole Switch, DECORA DEVICES, 5601 SE RUE5                                                                          | EA   | 300      | 0%      | 300                    | 0.320            | \$ 72.00       | \$ 23.04      | \$ 24.98  | \$ 48.02  | \$ 14,406.00  |
| 626                           |           |                                                                  | Three Way Switch                                                                                                          | EA   | 2        | 0%      | 2                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 28.63  | \$ 53.83  | \$ 107.66     |
| 627                           |           | Assumed Because Legend Not Given                                 | S, Speaker                                                                                                                | EA   | 7        | 0%      | 7                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 61.57  | \$ 86.77  | \$ 607.39     |
|                               |           |                                                                  | <b>MISCELLANEOUS</b>                                                                                                      |      |          |         |                        |                  |                |               |           |           |               |
| 628                           |           |                                                                  | Junction Box                                                                                                              | EA   | 23       | 0%      | 23                     | 0.425            | \$ 72.00       | \$ 30.60      | \$ 65.00  | \$ 95.60  | \$ 2,198.80   |
| 629                           |           |                                                                  | Junction Box, Wall Mounted                                                                                                | EA   | 290      | 0%      | 290                    | 0.425            | \$ 72.00       | \$ 30.60      | \$ 65.00  | \$ 95.60  | \$ 27,724.00  |
|                               |           |                                                                  | <b>SAW CUT</b>                                                                                                            |      |          |         |                        |                  |                |               |           |           |               |
| 630                           |           |                                                                  | Saw Cut & Repair Concrete Floor For Conduit Installation                                                                  | LF   | 134      | 0%      | 134                    | 0.090            | \$ 72.00       | \$ 6.48       | \$ -      | \$ 6.48   | \$ 868.32     |
| <b>SUB TOTAL \$ 2,303.297</b> |           |                                                                  |                                                                                                                           |      |          |         |                        |                  |                |               |           |           |               |
| <b>COMMUNICATION</b>          |           |                                                                  |                                                                                                                           |      |          |         |                        |                  |                |               |           |           |               |
|                               |           |                                                                  | <b>TELECOMMUNICATION</b>                                                                                                  |      |          |         |                        |                  |                |               |           |           |               |
|                               |           |                                                                  | <b>CONDUIT</b>                                                                                                            |      |          |         |                        |                  |                |               |           |           |               |
| 631                           |           |                                                                  | 1" EMT Conduit Up to Ceiling                                                                                              | LF   | 1065     | 10%     | 1172                   | 0.070            | \$ 72.00       | \$ 504        | \$ 3.54   | \$ 858    | \$ 10,051.47  |
| 632                           |           |                                                                  | 3" EMT Conduit With Pull String                                                                                           | LF   | 34       | 10%     | 37                     | 0.160            | \$ 72.00       | \$ 11.52      | \$ 14.43  | \$ 25.95  | \$ 966.53     |
| 633                           |           |                                                                  | 4" EMT Conduit With Weatherhead                                                                                           | LF   | 285      | 10%     | 313                    | 0.200            | \$ 72.00       | \$ 14.40      | \$ 19.56  | \$ 33.96  | \$ 10,642.72  |
| 634                           |           |                                                                  | 1" PVC SCH 40 Conduit                                                                                                     | LF   | 132      | 10%     | 145                    | 0.064            | \$ 72.00       | \$ 4.61       | \$ 3.55   | \$ 8.16   | \$ 1,184.54   |
| 634                           |           |                                                                  | 3" PVC SCH 40 Conduit With Pull String                                                                                    | LF   | 228      | 10%     | 251                    | 0.145            | \$ 72.00       | \$ 10.44      | \$ 12.52  | \$ 22.96  | \$ 5,754.33   |
| 635                           |           |                                                                  | Length Assumed 4" PVC SCH 40 Conduit With Pull String                                                                     | LF   | 150      | 10%     | 165                    | 0.145            | \$ 72.00       | \$ 10.44      | \$ 12.52  | \$ 22.96  | \$ 3,788.40   |
|                               |           | (2-Pair Residential Style Telephone Cable for Telephone Outlets) | <b>CONDUCTOR</b>                                                                                                          |      |          |         |                        |                  |                |               |           |           |               |
| 636                           |           | Length Assumed & Provided By Others                              | CAT5e Cable                                                                                                               | LF   | 30       | 10%     | 33                     | 0.026            | \$ 72.00       | \$ 1.87       | \$ -      | \$ 1.87   | \$ 61.78      |
| 636                           |           |                                                                  | CAT6 Cable                                                                                                                | LF   | 67600    | 10%     | 74360                  | 0.026            | \$ 72.00       | \$ 1.87       | \$ 0.24   | \$ 2.12   | \$ 157,345.76 |
| 637                           |           |                                                                  | 2 Pair Residential Style Telephone Cable                                                                                  | LF   | 921      | 10%     | 1013                   | 0.026            | \$ 72.00       | \$ 1.87       | \$ 0.24   | \$ 2.12   | \$ 2,143.72   |
| 638                           |           |                                                                  | RG-58 Residential Style Coaxial Cable                                                                                     | LF   | 13001    | 10%     | 14301                  | 0.028            | \$ 72.00       | \$ 2.02       | \$ 0.42   | \$ 2.44   | \$ 34,837.48  |
|                               |           |                                                                  | <b>J-HOOKS</b>                                                                                                            |      |          |         |                        |                  |                |               |           |           |               |
| 639                           |           |                                                                  | 2" J-Hooks                                                                                                                | EA   | 75       | 0%      | 75                     | 0.056            | \$ 72.00       | \$ 4.03       | \$ 3.57   | \$ 7.60   | \$ 567.87     |
|                               |           |                                                                  | <b>DEVICES</b>                                                                                                            |      |          |         |                        |                  |                |               |           |           |               |
| 640                           |           |                                                                  | Athena 1-Link Processor Panel With Integral POE Switch, QP5-1L-PO                                                         | EA   | 1        | 0%      | 1                      | 0.625            | \$ 72.00       | \$ 45.00      | \$ 50.56  | \$ 95.56  | \$ 95.56      |
| 641                           |           |                                                                  | 4x8x3/4" Plywood Back Board                                                                                               | EA   | 1        | 0%      | 1                      | 0.285            | \$ 72.00       | \$ 20.52      | \$ 42.78  | \$ 63.30  | \$ 63.30      |
| 642                           |           |                                                                  | 4x8x3/4" Plywood CAT V Back Board                                                                                         | EA   | 1        | 0%      | 1                      | 0.285            | \$ 72.00       | \$ 20.52      | \$ 46.49  | \$ 67.01  | \$ 67.01      |

| SR #                           | Drawing #                           | Detail #                                                                                                                                             | DESCRIPTION                                                      | UNIT                                       | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST   | UNIT COST    | SUB COST     |              |  |
|--------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------|----------|---------|------------------------|------------------|----------------|---------------|-------------|--------------|--------------|--------------|--|
| 643                            | E201, E202,<br>E203, E204 &<br>E205 |                                                                                                                                                      | ATHena 5" Touchscreen, Q-TOUCH5-WH                               | EA                                         | 1        | 0%      | 1                      | 0.655            | \$ 72.00       | \$ 47.16      | \$ 378.96   | \$ 426.12    | \$ 426.12    |              |  |
| 644                            |                                     |                                                                                                                                                      | Data Outlet                                                      | EA                                         | 220      | 0%      | 220                    | 0.220            | \$ 72.00       | \$ 15.84      | \$ 17.30    | \$ 33.34     | \$ 7,334.80  |              |  |
| 645                            |                                     |                                                                                                                                                      | RJ45 Connector                                                   | EA                                         | 220      | 0%      | 220                    | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 347.60    |              |  |
| 646                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 220      | 0%      | 220                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 3,190.00  |              |  |
| 647                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 220      | 0%      | 220                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 3,456.20  |              |  |
| 648                            |                                     |                                                                                                                                                      | Tele/Data Outlet                                                 | EA                                         | 134      | 0%      | 134                    | 0.220            | \$ 72.00       | \$ 15.84      | \$ 19.50    | \$ 35.34     | \$ 4,735.56  |              |  |
| 649                            |                                     |                                                                                                                                                      | RJ45 Connector                                                   | EA                                         | 268      | 0%      | 268                    | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 423.44    |              |  |
| 650                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 134      | 0%      | 134                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 1,943.00  |              |  |
| 651                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 134      | 0%      | 134                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 2,105.14  |              |  |
| 652                            |                                     |                                                                                                                                                      | Tele/Data Outlet, Floor Mounted                                  | EA                                         | 14       | 0%      | 14                     | 0.220            | \$ 72.00       | \$ 15.84      | \$ 57.00    | \$ 72.84     | \$ 1,019.76  |              |  |
| 653                            |                                     |                                                                                                                                                      | RJ45 Connector                                                   | EA                                         | 28       | 0%      | 28                     | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 44.24     |              |  |
| 654                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 14       | 0%      | 14                     | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 203.00    |              |  |
| 655                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 14       | 0%      | 14                     | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 219.94    |              |  |
| 656                            |                                     |                                                                                                                                                      | Telephone Outlet                                                 | EA                                         | 2        | 0%      | 2                      | 0.220            | \$ 72.00       | \$ 15.84      | \$ 19.50    | \$ 35.34     | \$ 70.68     |              |  |
| 657                            |                                     |                                                                                                                                                      | RJ45 Connector                                                   | EA                                         | 2        | 0%      | 2                      | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 3.16      |              |  |
| 658                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 2        | 0%      | 2                      | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 29.00     |              |  |
| 659                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 2        | 0%      | 2                      | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 31.42     |              |  |
| 660                            |                                     |                                                                                                                                                      | Telephone Outlet, House Phones                                   | EA                                         | 14       | 0%      | 14                     | 0.220            | \$ 72.00       | \$ 15.84      | \$ 19.50    | \$ 35.34     | \$ 494.76    |              |  |
| 661                            |                                     |                                                                                                                                                      | RJ45 Connector                                                   | EA                                         | 14       | 0%      | 14                     | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 22.12     |              |  |
| 662                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 14       | 0%      | 14                     | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 203.00    |              |  |
| 663                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 14       | 0%      | 14                     | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 219.94    |              |  |
| 664                            |                                     |                                                                                                                                                      | TV Outlet                                                        | EA                                         | 118      | 0%      | 118                    | 0.220            | \$ 72.00       | \$ 15.84      | \$ 17.50    | \$ 33.34     | \$ 3,934.12  |              |  |
| 665                            |                                     |                                                                                                                                                      | RG-58 Connector                                                  | EA                                         | 118      | 0%      | 118                    | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 186.44    |              |  |
| 666                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 118      | 0%      | 118                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 1,711.00  |              |  |
| 667                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 118      | 0%      | 118                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 1,853.78  |              |  |
| 668                            |                                     |                                                                                                                                                      | TV Outlet, Floor Mounted                                         | EA                                         | 11       | 0%      | 11                     | 0.220            | \$ 72.00       | \$ 15.84      | \$ 57.00    | \$ 72.84     | \$ 901.24    |              |  |
| 669                            |                                     |                                                                                                                                                      | RG-58 Connector                                                  | EA                                         | 11       | 0%      | 11                     | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 17.38     |              |  |
| 670                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 11       | 0%      | 11                     | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 159.50    |              |  |
| 671                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 11       | 0%      | 11                     | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 172.81    |              |  |
| 672                            |                                     |                                                                                                                                                      | Wireless Access Point                                            | EA                                         | 110      | 0%      | 110                    | 0.525            | \$ 72.00       | \$ 37.80      | \$ 156.78   | \$ 194.58    | \$ 21,403.80 |              |  |
| 673                            |                                     |                                                                                                                                                      | RJ45 Connector                                                   | EA                                         | 110      | 0%      | 110                    | 0.005            | \$ 72.00       | \$ 0.36       | \$ 1.22     | \$ 1.58      | \$ 173.80    |              |  |
| 674                            |                                     |                                                                                                                                                      | Back Box                                                         | EA                                         | 110      | 0%      | 110                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 8.74     | \$ 14.50     | \$ 1,595.00  |              |  |
| 675                            |                                     |                                                                                                                                                      | Faceplate                                                        | EA                                         | 110      | 0%      | 110                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 9.95     | \$ 15.71     | \$ 1,728.10  |              |  |
|                                |                                     |                                                                                                                                                      |                                                                  | SECURITY                                   |          |         |                        |                  |                |               |             |              |              |              |  |
|                                |                                     |                                                                                                                                                      |                                                                  | CONDUIT                                    |          |         |                        |                  |                |               |             |              |              |              |  |
| 676                            |                                     |                                                                                                                                                      |                                                                  | 1/2" EMT Conduit                           | LF       | 72      | 10%                    | 79               | 0.047          | \$ 72.00      | \$ 3.38     | \$ 1.19      | \$ 4.57      | \$ 362.26    |  |
|                                |                                     |                                                                                                                                                      |                                                                  | CONDUCTOR                                  |          |         |                        |                  |                |               |             |              |              |              |  |
| 677                            |                                     |                                                                                                                                                      |                                                                  | Multi conductor Composite Cable            | LF       | 940     | 10%                    | 1035             | 0.038          | \$ 72.00      | \$ 2.74     | \$ 0.78      | \$ 3.52      | \$ 3,637.40  |  |
| 677                            |                                     |                                                                                                                                                      | 2#22 LV Cable<br>For Door Strike                                 | #22 CU THHN/THWN                           | LF       | 90      | 10%                    | 99               | 0.004          | \$ 72.00      | \$ 0.29     | \$ 0.16      | \$ 0.45      | \$ 44.35     |  |
|                                |                                     |                                                                                                                                                      |                                                                  | #18 CU THHN/THWN                           | LF       | 54      | 10%                    | 59               | 0.004          | \$ 72.00      | \$ 0.29     | \$ 0.16      | \$ 0.45      | \$ 26.61     |  |
|                                |                                     |                                                                                                                                                      |                                                                  | DEVICES                                    |          |         |                        |                  |                |               |             |              |              |              |  |
| 679                            |                                     |                                                                                                                                                      |                                                                  | Door Strike, VINGCARD FLEX                 | EA       | 9       | 0%                     | 9                | 1.200          | \$ 72.00      | \$ 86.40    | \$ 525.00    | \$ 611.40    | \$ 5,502.60  |  |
| 680                            |                                     |                                                                                                                                                      |                                                                  | Magnetic Door Contact, S241                | EA       | 9       | 0%                     | 9                | 0.350          | \$ 72.00      | \$ 25.20    | \$ 31.76     | \$ 56.96     | \$ 512.64    |  |
| 681                            |                                     |                                                                                                                                                      |                                                                  | Card Reader, Wall Mounted                  | EA       | 9       | 0%                     | 9                | 0.500          | \$ 72.00      | \$ 36.00    | \$ 78.75     | \$ 114.75    | \$ 1,032.75  |  |
|                                |                                     |                                                                                                                                                      |                                                                  | AUDIO/VISUAL SYSTEM                        |          |         |                        |                  |                |               |             |              |              |              |  |
|                                |                                     |                                                                                                                                                      |                                                                  | DEVICES                                    |          |         |                        |                  |                |               |             |              |              |              |  |
| 682                            |                                     |                                                                                                                                                      |                                                                  | Amplifier/Battery Cabinet                  | EA       | 1       | 0%                     | 1                | 0.850          | \$ 72.00      | \$ 61.20    | \$ 880.24    | \$ 941.44    | \$ 941.44    |  |
| 683                            |                                     |                                                                                                                                                      | Area of Refuge on E                                              | Area Station                               | EA       | 5       | 0%                     | 5                | 2.980          | \$ 72.00      | \$ 214.56   | \$ 7,050.00  | \$ 7,264.56  | \$ 36,322.80 |  |
| 684                            |                                     |                                                                                                                                                      |                                                                  | Master Station                             | EA       | 1       | 0%                     | 1                | 3.885          | \$ 72.00      | \$ 279.72   | \$ 14,000.00 | \$ 14,279.72 | \$ 14,279.72 |  |
| 685                            |                                     |                                                                                                                                                      |                                                                  | Relay Card Cabinet                         | EA       | 1       | 0%                     | 1                | 0.720          | \$ 72.00      | \$ 51.84    | \$ 322.54    | \$ 374.38    | \$ 374.38    |  |
|                                |                                     |                                                                                                                                                      |                                                                  | MISCELLANEOUS                              |          |         |                        |                  |                |               |             |              |              |              |  |
| 686                            |                                     |                                                                                                                                                      |                                                                  | Cord Reader<br>Single Gang<br>Junction Box | EA       | 9       | 0%                     | 9                | 0.625          | \$ 72.00      | \$ 45.00    | \$ 58.13     | \$ 103.13    | \$ 928.17    |  |
|                                |                                     |                                                                                                                                                      |                                                                  |                                            |          |         |                        |                  |                |               |             |              | SUB TO TAL   | \$ 351,795   |  |
| ELECTRONIC SAFETY AND SECURITY |                                     |                                                                                                                                                      |                                                                  |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
|                                |                                     |                                                                                                                                                      |                                                                  | FIRE ALARM                                 |          |         |                        |                  |                |               |             |              |              |              |  |
|                                |                                     |                                                                                                                                                      | CONDUIT                                                          |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
| 687                            |                                     |                                                                                                                                                      | 3/4" EMT Conduit                                                 | LF                                         | 9441     | 10%     | 10385                  | 0.062            | \$ 72.00       | \$ 4.46       | \$ 2.07     | \$ 6.53      | \$ 67,857.39 |              |  |
|                                |                                     |                                                                                                                                                      | CONDUCTOR                                                        |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
| 688                            |                                     |                                                                                                                                                      | Plenum Rated                                                     | LF                                         | 10678    | 10%     | 11745                  | 0.005            | \$ 72.00       | \$ 0.36       | \$ 0.22     | \$ 0.58      | \$ 6,812.30  |              |  |
| 689                            |                                     |                                                                                                                                                      | Plenum Rated                                                     | LF                                         | 8204     | 10%     | 9024                   | 0.006            | \$ 72.00       | \$ 0.43       | \$ 0.28     | \$ 0.71      | \$ 6,425.17  |              |  |
|                                |                                     |                                                                                                                                                      | DEVICES                                                          |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
| 690                            |                                     | Sounder Base<br>Smoke Detectors<br>In ADA Rooms,<br>Smoke Detectors<br>shall have 177Cd<br>Stroke                                                    | Fire Alarm Annunciator Panel                                     | EA                                         | 1        | 0%      | 1                      | 2.150            | \$ 72.00       | \$ 154.80     | \$ 1,250.00 | \$ 1,404.80  | \$ 1,404.80  |              |  |
| 691                            |                                     | FA System<br>Hearing Impaired<br>Notification system                                                                                                 | Fire Alarm Door Annunciator, Edwards 7005-G5                     | EA                                         | 7        | 0%      | 7                      | 0.725            | \$ 72.00       | \$ 52.20      | \$ 178.84   | \$ 231.04    | \$ 1,617.28  |              |  |
| 692                            |                                     | FA System is<br>Addressable                                                                                                                          | 24V DC, Power Limited, Addressable Fire Alarm Control Panel      | EA                                         | 1        | 0%      | 1                      | 1.550            | \$ 72.00       | \$ 111.60     | \$ 528.36   | \$ 639.96    | \$ 639.96    |              |  |
|                                |                                     |                                                                                                                                                      | separate Wall<br>mounted and flush<br>Mounted Door<br>Holders    |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
| 692                            |                                     | Manufacturer:<br>EDWARDS, 1504<br>Series (wall<br>Mounted) 1501<br>(Flush Mounted)                                                                   | Fire Alarm Door Holder, EDWARDS 1504 Series, Wall Mounted        | EA                                         | 10       | 0%      | 10                     | 0.500            | \$ 72.00       | \$ 36.00      | \$ 88.76    | \$ 124.76    | \$ 1,247.60  |              |  |
|                                |                                     |                                                                                                                                                      |                                                                  |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
| 693                            |                                     | separate Wall<br>mounted and flush<br>Mounted Door<br>Holders<br>Manufacturer:<br>EDWARDS, 1504<br>Series ( wall<br>Mounted) 1501<br>(Flush Mounted) | Fire Alarm Door Holder, EDWARDS 1501 Series, Flush Mounted       | EA                                         | 2        | 0%      | 2                      | 0.500            | \$ 72.00       | \$ 36.00      | \$ 88.76    | \$ 124.76    | \$ 249.52    |              |  |
|                                |                                     |                                                                                                                                                      |                                                                  |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
| 694                            |                                     |                                                                                                                                                      | Fire Alarm Duct Smoke Detector                                   | EA                                         | 2        | 0%      | 2                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 178.59   | \$ 225.39    | \$ 450.78    |              |  |
| 695                            |                                     |                                                                                                                                                      | Fire Alarm Fire Smoke Damper                                     | EA                                         | 125      | 0%      | 125                    | 0.890            | \$ 72.00       | \$ 64.08      | \$ 725.00   | \$ 789.08    | \$ 98,635.00 |              |  |
| 696                            |                                     |                                                                                                                                                      | Fire Alarm Flow Switch                                           | EA                                         | 10       | 0%      | 10                     | 0.480            | \$ 72.00       | \$ 34.56      | \$ 168.73   | \$ 203.29    | \$ 2,032.90  |              |  |
| 697                            |                                     |                                                                                                                                                      | Fire Alarm Heat Detector                                         | EA                                         | 4        | 0%      | 4                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 48.65    | \$ 73.85     | \$ 295.40    |              |  |
| 698                            |                                     |                                                                                                                                                      | Fire Alarm Horn Srobe, 110CD                                     | EA                                         | 2        | 0%      | 2                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 204.96   | \$ 251.76    | \$ 503.52    |              |  |
| 699                            |                                     |                                                                                                                                                      | Fire Alarm Horn Srobe, 30CD                                      | EA                                         | 58       | 0%      | 58                     | 0.550            | \$ 72.00       | \$ 39.60      | \$ 145.00   | \$ 184.60    | \$ 10,706.80 |              |  |
| 700                            |                                     |                                                                                                                                                      | Fire Alarm Horn Srobe, WP                                        | EA                                         | 4        | 0%      | 4                      | 0.580            | \$ 72.00       | \$ 41.76      | \$ 112.78   | \$ 154.54    | \$ 618.16    |              |  |
| 701                            |                                     |                                                                                                                                                      | Fire Alarm Manual Pull Station                                   | EA                                         | 14       | 0%      | 14                     | 0.480            | \$ 72.00       | \$ 34.56      | \$ 66.49    | \$ 101.05    | \$ 1,414.70  |              |  |
| 702                            |                                     |                                                                                                                                                      | Fire Alarm Photoelectric Smoke Detector                          | EA                                         | 113      | 0%      | 113                    | 0.350            | \$ 72.00       | \$ 25.20      | \$ 32.32    | \$ 57.52     | \$ 6,499.76  |              |  |
| 703                            |                                     |                                                                                                                                                      | Fire Alarm Photoelectric Smoke Detector, Elevator Recall         | EA                                         | 8        | 0%      | 8                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 32.32    | \$ 57.52     | \$ 460.16    |              |  |
| 704                            |                                     |                                                                                                                                                      | Fire Alarm Smoke & Carbon Monoxide Detector                      | EA                                         | 23       | 0%      | 23                     | 0.355            | \$ 72.00       | \$ 25.56      | \$ 56.98    | \$ 82.54     | \$ 1,898.42  |              |  |
| 705                            |                                     |                                                                                                                                                      | Sounder Base Fire Alarm Smoke Detector With Battery Backup & Ine | EA                                         | 110      | 0%      | 110                    | 0.350            | \$ 72.00       | \$ 25.20      | \$ 45.23    | \$ 70.43     | \$ 7,747.30  |              |  |
| 705                            |                                     |                                                                                                                                                      | Fire Alarm Srobe, 15Cd                                           | EA                                         | 5        | 0%      | 5                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 42.55    | \$ 67.75     | \$ 338.75    |              |  |
| 706                            |                                     |                                                                                                                                                      | Fire Alarm Srobe, 177Cd                                          | EA                                         | 38       | 0%      | 38                     | 0.350            | \$ 72.00       | \$ 25.20      | \$ 42.55    | \$ 67.75     | \$ 2,574.50  |              |  |
| 707                            |                                     |                                                                                                                                                      | Fire Alarm Tamper Switch                                         | EA                                         | 10       | 0%      | 10                     | 0.355            | \$ 72.00       | \$ 25.56      | \$ 98.85    | \$ 124.41    | \$ 1,244.10  |              |  |
|                                |                                     |                                                                                                                                                      |                                                                  |                                            |          |         |                        |                  |                |               |             |              | SUB TO TAL   | \$ 221,674   |  |
| UTILITIES                      |                                     |                                                                                                                                                      |                                                                  |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
|                                |                                     |                                                                                                                                                      | PLUMBING                                                         |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
|                                |                                     |                                                                                                                                                      | WATER SERVICE PIPE (BELOW GRADE)                                 |                                            |          |         |                        |                  |                |               |             |              |              |              |  |
|                                |                                     |                                                                                                                                                      | Polytube Fire                                                    |                                            |          |         |                        |                  |                |               |             |              |              |              |  |

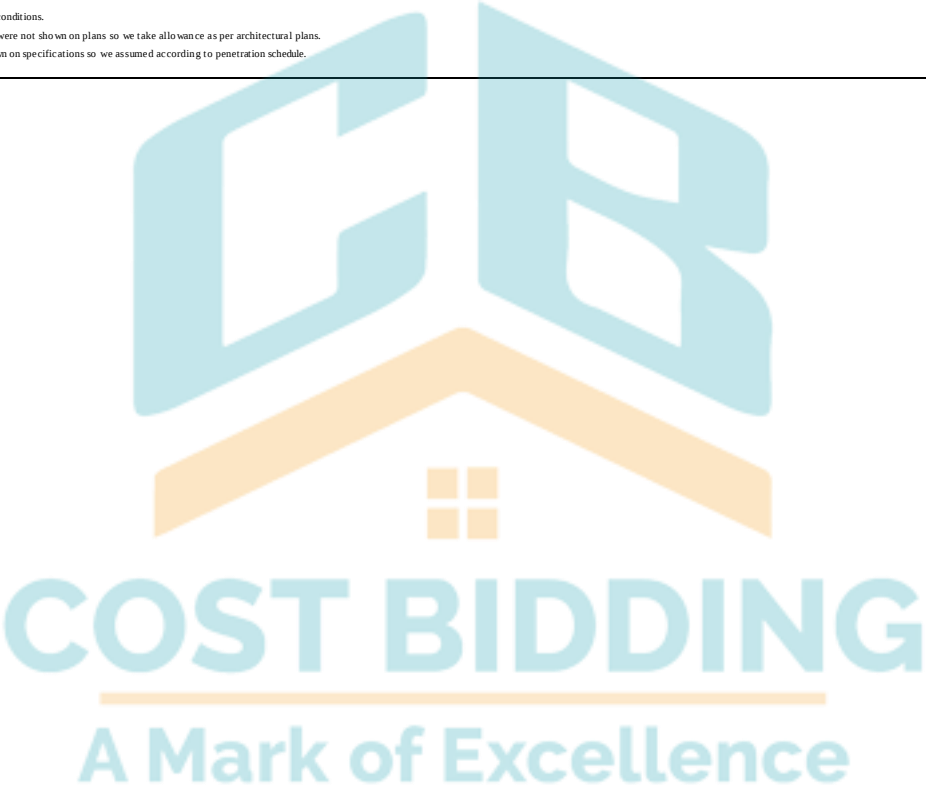
| SR# | Drawing #                         | Detail #                                                         | DESCRIPTION                                              | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST     |  |
|-----|-----------------------------------|------------------------------------------------------------------|----------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|---------------|--------------|--------------|--------------|--|
| 708 | C4, C5 & IS1                      |                                                                  | 2" Dia Water Service Pipe                                | LF   | 68       | 10%     | 75                     | 0.271           | \$ 72.00       | \$ 19.51      | \$ 14.04     | \$ 33.55     | \$ 2,523.35  |  |
|     |                                   |                                                                  | WATER SERVICE PIPE FITTINGS                              |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | ELBOW                                                    |      |          |         |                        |                 |                |               |              |              |              |  |
| 709 |                                   |                                                                  | 2" Dia Water Service Pipe 90 Deg Elbow                   | EA   | 1        | 0%      | 1                      | 0.727           | \$ 72.00       | \$ 52.34      | \$ 21.48     | \$ 73.82     | \$ 73.82     |  |
|     |                                   |                                                                  | REDUCER                                                  |      |          |         |                        |                 |                |               |              |              |              |  |
| 710 |                                   |                                                                  | 2" / 1" Dia Water Service Pipe Reducer                   | EA   | 1        | 0%      | 1                      | 0.410           | \$ 72.00       | \$ 29.52      | \$ 3.29      | \$ 32.81     | \$ 32.81     |  |
|     |                                   |                                                                  | WATER MAIN PIPE (BELOW GRADE)                            |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | Ductile Iron Pipe                                        |      |          |         |                        |                 |                |               |              |              |              |  |
| 711 |                                   |                                                                  | 3" Dia Water Main Pipe                                   | LF   | 8        | 10%     | 9                      | 0.135           | \$ 72.00       | \$ 9.72       | \$ 105.00    | \$ 114.72    | \$ 984.30    |  |
| 712 |                                   |                                                                  | 8" Dia Water Main Pipe                                   | LF   | 29       | 10%     | 32                     | 0.210           | \$ 72.00       | \$ 15.12      | \$ 153.10    | \$ 168.22    | \$ 5,314.41  |  |
|     |                                   |                                                                  | WATER MAIN PIPE FITTINGS                                 |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | ELBOW                                                    |      |          |         |                        |                 |                |               |              |              |              |  |
| 713 |                                   |                                                                  | 8" Dia Water Main Pipe 90 Deg Elbow                      | EA   | 2        | 0%      | 2                      | 2.624           | \$ 72.00       | \$ 188.93     | \$ 663.77    | \$ 852.70    | \$ 1,705.40  |  |
|     |                                   |                                                                  | REDUCER                                                  |      |          |         |                        |                 |                |               |              |              |              |  |
| 714 |                                   |                                                                  | 8" / 3" Dia Water Main Pipe Reducer                      | EA   | 1        | 0%      | 1                      | 2.400           | \$ 72.00       | \$ 172.80     | \$ 445.74    | \$ 618.54    | \$ 618.54    |  |
|     |                                   |                                                                  | WATER MAIN PIPE (BELOW GRADE)                            |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | PVC Pipe                                                 |      |          |         |                        |                 |                |               |              |              |              |  |
| 715 |                                   |                                                                  | 4" Dia Water Main Pipe                                   | LF   | 110      | 10%     | 121                    | 0.333           | \$ 72.00       | \$ 23.98      | \$ 22.98     | \$ 46.96     | \$ 5,675.99  |  |
|     |                                   |                                                                  | WATER MAIN PIPE FITTINGS                                 |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | ELBOW                                                    |      |          |         |                        |                 |                |               |              |              |              |  |
| 716 |                                   |                                                                  | 4" Dia Water Main Pipe 90 Deg Elbow                      | EA   | 1        | 0%      | 1                      | 1.231           | \$ 72.00       | \$ 88.63      | \$ 474.53    | \$ 563.16    | \$ 563.16    |  |
| 717 |                                   |                                                                  | 4" Dia Water Main Pipe 45 Deg Elbow                      | EA   | 2        | 0%      | 2                      | 1.231           | \$ 72.00       | \$ 88.63      | \$ 474.53    | \$ 563.16    | \$ 1,126.32  |  |
|     |                                   |                                                                  | FIRE WATER MAIN PIPE (BELOW GRADE)                       |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | PVC Pipe                                                 |      |          |         |                        |                 |                |               |              |              |              |  |
| 718 |                                   |                                                                  | 4" Dia Fire Water Main Pipe                              | LF   | 65       | 10%     | 72                     | 0.333           | \$ 72.00       | \$ 23.98      | \$ 22.98     | \$ 46.96     | \$ 3,357.35  |  |
| 719 |                                   |                                                                  | 6" Dia Fire Water Main Pipe                              | LF   | 141      | 10%     | 155                    | 0.410           | \$ 72.00       | \$ 29.52      | \$ 48.95     | \$ 78.47     | \$ 12,178.47 |  |
|     |                                   |                                                                  | FIRE WATER MAIN PIPE FITTINGS                            |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | ELBOW                                                    |      |          |         |                        |                 |                |               |              |              |              |  |
| 720 |                                   |                                                                  | 6" Dia Fire Water Main Pipe 90 Deg Elbow                 | EA   | 2        | 0%      | 2                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 1,996.30  |  |
| 721 |                                   |                                                                  | 4" Dia Fire Main Pipe 45 Deg Elbow                       | EA   | 1        | 0%      | 1                      | 1.231           | \$ 72.00       | \$ 88.63      | \$ 474.53    | \$ 563.16    | \$ 563.16    |  |
| 722 |                                   |                                                                  | 6" Dia Fire Main Pipe 45 Deg Elbow                       | EA   | 2        | 0%      | 2                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 1,996.30  |  |
|     |                                   |                                                                  | TEE                                                      |      |          |         |                        |                 |                |               |              |              |              |  |
| 723 |                                   |                                                                  | 6" Dia Fire Water Main Pipe Tee                          | EA   | 1        | 0%      | 1                      | 3.200           | \$ 72.00       | \$ 230.40     | \$ 1,098.90  | \$ 1,329.30  | \$ 1,329.30  |  |
|     |                                   |                                                                  | REDUCER                                                  |      |          |         |                        |                 |                |               |              |              |              |  |
| 724 |                                   |                                                                  | 8" / 6" Dia Fire Water Main Pipe Reducer                 | EA   | 1        | 0%      | 1                      | 1.500           | \$ 72.00       | \$ 108.00     | \$ 1,648.35  | \$ 1,756.35  | \$ 1,756.35  |  |
|     |                                   |                                                                  | WASTE PIPE (BELOW GRADE)                                 |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | PVC Pipe                                                 |      |          |         |                        |                 |                |               |              |              |              |  |
| 725 |                                   |                                                                  | 6" Dia Waste Pipe                                        | LF   | 42       | 10%     | 46                     | 0.410           | \$ 72.00       | \$ 29.52      | \$ 48.95     | \$ 78.47     | \$ 3,619.27  |  |
| 726 |                                   |                                                                  | 8" Dia Waste Pipe                                        | LF   | 223      | 10%     | 246                    | 0.500           | \$ 72.00       | \$ 36.00      | \$ 70.43     | \$ 106.43    | \$ 26,142.40 |  |
|     |                                   |                                                                  | WASTE PIPE FITTINGS                                      |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   |                                                                  | ELBOW                                                    |      |          |         |                        |                 |                |               |              |              |              |  |
| 727 |                                   |                                                                  | 6" Dia Waste Pipe 90 Deg Elbow                           | EA   | 1        | 0%      | 1                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 998.15    |  |
| 728 |                                   |                                                                  | 8" Dia Waste Pipe 90 Deg Elbow                           | EA   | 3        | 10%     | 3                      | 2.667           | \$ 72.00       | \$ 192.02     | \$ 1,548.45  | \$ 1,740.47  | \$ 5,743.56  |  |
| 729 |                                   |                                                                  | 6" Dia Waste Pipe 45 Deg Elbow                           | EA   | 1        | 10%     | 1                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 1,097.97  |  |
| 730 |                                   |                                                                  | 8" Dia Waste Pipe 45 Deg Elbow                           | EA   | 8        | 10%     | 9                      | 2.667           | \$ 72.00       | \$ 192.02     | \$ 1,573.43  | \$ 1,765.45  | \$ 15,536.00 |  |
|     |                                   |                                                                  | WYE                                                      |      |          |         |                        |                 |                |               |              |              |              |  |
| 731 |                                   |                                                                  | 8" Dia Waste Pipe Wye                                    | EA   | 6        | 0%      | 6                      | 4.000           | \$ 72.00       | \$ 288.00     | \$ 3,596.40  | \$ 3,884.40  | \$ 23,306.40 |  |
| 732 |                                   |                                                                  | 8" / 6" Dia Waste Pipe Wye                               | EA   | 1        | 0%      | 1                      | 3.200           | \$ 72.00       | \$ 230.40     | \$ 2,197.80  | \$ 2,428.20  | \$ 2,428.20  |  |
|     |                                   |                                                                  | MANHOLE                                                  |      |          |         |                        |                 |                |               |              |              |              |  |
| 733 |                                   |                                                                  | 18" Dia Junction Manhole                                 | EA   | 1        | 0%      | 1                      | 0.650           | \$ 72.00       | \$ 46.80      | \$ 225.00    | \$ 271.80    | \$ 271.80    |  |
| 734 |                                   | Detail Not Found                                                 | Sampling Manhole #1                                      | EA   | 1        | 0%      | 1                      | 0.533           | \$ 72.00       | \$ 38.38      | \$ 420.00    | \$ 458.38    | \$ 458.38    |  |
|     |                                   |                                                                  | FIRE HYDRANT                                             |      |          |         |                        |                 |                |               |              |              |              |  |
| 735 |                                   |                                                                  | FH: 6" Dia Fire Hydrant                                  | EA   | 2        | 0%      | 2                      | 1.230           | \$ 72.00       | \$ 88.56      | \$ 725.00    | \$ 813.56    | \$ 1,627.12  |  |
|     |                                   |                                                                  | FIRE HYDRANT DETAIL                                      |      |          |         |                        |                 |                |               |              |              |              |  |
| 736 |                                   |                                                                  | 2-1/2" Dia Hose Bib                                      | EA   | 1        | 0%      | 1                      | 0.890           | \$ 72.00       | \$ 64.08      | \$ 225.00    | \$ 289.08    | \$ 289.08    |  |
| 737 |                                   |                                                                  | 4-1/2" Dia Hose Bib                                      | EA   | 1        | 0%      | 1                      | 1.100           | \$ 72.00       | \$ 79.20      | \$ 325.00    | \$ 404.20    | \$ 404.20    |  |
| 738 |                                   |                                                                  | 6" Dia Gate Valve                                        | EA   | 1        | 0%      | 1                      | 1.450           | \$ 72.00       | \$ 104.40     | \$ 1,302.00  | \$ 1,406.40  | \$ 1,406.40  |  |
|     |                                   |                                                                  | MISCELLANEOUS                                            |      |          |         |                        |                 |                |               |              |              |              |  |
| 739 |                                   |                                                                  | 1" Dia Potable Water Meter                               | EA   | 1        | 0%      | 1                      | 0.550           | \$ 72.00       | \$ 39.60      | \$ 153.60    | \$ 193.20    | \$ 193.20    |  |
| 740 |                                   |                                                                  | 4" Dia Potable Water Meter                               | EA   | 1        | 0%      | 1                      | 0.875           | \$ 72.00       | \$ 63.00      | \$ 496.00    | \$ 559.00    | \$ 559.00    |  |
| 741 |                                   |                                                                  | 6" Dia Fire Meter                                        | EA   | 1        | 0%      | 1                      | 1.000           | \$ 72.00       | \$ 72.00      | \$ 835.00    | \$ 907.00    | \$ 907.00    |  |
| 742 |                                   |                                                                  | 1" Dia Service Tap                                       | EA   | 1        | 0%      | 1                      | 0.220           | \$ 72.00       | \$ 15.84      | \$ 38.12     | \$ 53.96     | \$ 53.96     |  |
| 743 |                                   |                                                                  | 4" Dia Fire Department Connection W/ Knox Lockable Plugs | EA   | 1        | 0%      | 1                      | 3.333           | \$ 72.00       | \$ 239.98     | \$ 233.00    | \$ 472.98    | \$ 472.98    |  |
|     |                                   |                                                                  | BACKFLOW PREVENTER                                       |      |          |         |                        |                 |                |               |              |              |              |  |
| 744 |                                   |                                                                  | 1" Dia Reduced Pressure Backflow Preventer               | EA   | 1        | 0%      | 1                      | 1.100           | \$ 72.00       | \$ 79.20      | \$ 1,350.00  | \$ 1,429.20  | \$ 1,429.20  |  |
| 745 |                                   |                                                                  | 4" Dia Reduced Pressure Backflow Preventer               | EA   | 1        | 0%      | 1                      | 2.120           | \$ 72.00       | \$ 152.64     | \$ 3,638.00  | \$ 3,790.64  | \$ 3,790.64  |  |
|     |                                   |                                                                  | CLEANOUTS & DRAINS                                       |      |          |         |                        |                 |                |               |              |              |              |  |
| 746 |                                   |                                                                  | 6" Dia CO: Cleanout                                      | EA   | 1        | 0%      | 1                      | 2.667           | \$ 72.00       | \$ 192.02     | \$ 629.37    | \$ 821.39    | \$ 821.39    |  |
| 747 |                                   |                                                                  | 8" Dia CO: Cleanout                                      | EA   | 7        | 0%      | 7                      | 4.000           | \$ 72.00       | \$ 288.00     | \$ 694.31    | \$ 982.31    | \$ 6,876.17  |  |
| 748 |                                   |                                                                  | 10" Dia CO: Cleanout                                     | EA   | 8        | 0%      | 8                      | 4.500           | \$ 72.00       | \$ 324.00     | \$ 825.00    | \$ 1,149.00  | \$ 9,192.00  |  |
|     |                                   | VALVES                                                           |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 749 |                                   | 2" Dia Shutoff Valve                                             | EA                                                       | 1    | 0%       | 1       | 0.350                  | \$ 72.00        | \$ 25.20       | \$ 65.00      | \$ 90.20     | \$ 90.20     |              |  |
| 750 |                                   | 3" Dia Shutoff Valve                                             | EA                                                       | 1    | 0%       | 1       | 0.425                  | \$ 72.00        | \$ 30.60       | \$ 105.00     | \$ 135.60    | \$ 135.60    |              |  |
| 751 |                                   | 4" Dia Check Valve                                               | EA                                                       | 1    | 0%       | 1       | 0.550                  | \$ 72.00        | \$ 39.60       | \$ 255.00     | \$ 294.60    | \$ 294.60    |              |  |
| 752 |                                   | 6" Dia Shutoff Valve                                             | EA                                                       | 1    | 0%       | 1       | 0.525                  | \$ 72.00        | \$ 37.80       | \$ 185.00     | \$ 222.80    | \$ 222.80    |              |  |
| 753 |                                   | 6" Dual Check Valve                                              | EA                                                       | 1    | 0%       | 1       | 2.890                  | \$ 72.00        | \$ 208.08      | \$ 4,257.00   | \$ 4,465.08  | \$ 4,465.08  |              |  |
|     |                                   | PVC COUPLING                                                     |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 754 |                                   | 4" Dia                                                           | EA                                                       | 17   | 0%       | 17      |                        |                 |                |               |              |              |              |  |
| 755 |                                   | 6" Dia                                                           | EA                                                       | 18   | 0%       | 18      |                        |                 |                |               |              |              |              |  |
| 756 |                                   | 8" Dia                                                           | EA                                                       | 22   | 0%       | 22      |                        |                 |                |               |              |              |              |  |
|     |                                   | DISTRIBUTION                                                     |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   | CONDUIT                                                          |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 757 | With Pull String To Generator For | 2" EMT Conduit                                                   | LF                                                       | 142  | 10%      | 156     | 0.100                  | \$ 72.00        | \$ 7.20        | \$ 8.90       | \$ 16.10     | \$ 2,519.07  |              |  |
| 757 | Length Assumed                    | 1" PVC SCH 40 Conduit With Pullstring                            | LF                                                       | 70   | 10%      | 77      | 0.100                  | \$ 72.00        | \$ 7.20        | \$ 8.90       | \$ 16.10     | \$ 1,239.70  |              |  |
| 758 |                                   | 3" PVC SCH 40 Conduit                                            | LF                                                       | 1176 | 10%      | 1294    | 0.145                  | \$ 72.00        | \$ 10.44       | \$ 12.52      | \$ 22.96     | \$ 29,699.54 |              |  |
|     |                                   | CONDUCTOR                                                        |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 759 |                                   | #6 CU THHN/THWN                                                  | LF                                                       | 142  | 10%      | 156     | 0.012                  | \$ 72.00        | \$ 0.86        | \$ 1.03       | \$ 1.89      | \$ 296.34    |              |  |
| 760 |                                   | #3/0 CU THHN/THWN                                                | LF                                                       | 569  | 10%      | 626     | 0.032                  | \$ 72.00        | \$ 2.30        | \$ 5.28       | \$ 7.58      | \$ 4,746.49  |              |  |
| 761 |                                   | #400 CU THHN/THWN                                                | LF                                                       | 4704 | 10%      | 5174    | 0.047                  | \$ 72.00        | \$ 3.38        | \$ 11.98      | \$ 15.36     | \$ 79,495.43 |              |  |
|     |                                   | CIRCUIT BREAKER                                                  |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 762 |                                   | 3P/200A Breaker                                                  | EA                                                       | 1    | 0%       | 1       | 2.500                  | \$ 72.00        | \$ 180.00      | \$ 4,669.95   | \$ 4,849.95  | \$ 4,849.95  |              |  |
|     |                                   | DEVICES                                                          |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 763 | Generator Manufacturer is CUMMINS | 60KW, 208Y/120V Diesel Genset in WP Level 1 Sound Attenuated Enc | EA                                                       | 1    | 0%       | 1       | 36.364                 | \$ 72.00        | \$ 2,618.21    | \$ 47,050.00  | \$ 49,668.21 | \$ 49,668.21 |              |  |
| 764 |                                   | 24HR Sub Base Diesel Fuel Tank                                   | EA                                                       | 1    | 0%       | 1       | 4.250                  | \$ 72.00        | \$ 306.00      | \$ 5,699.00   | \$ 6,005.00  | \$ 6,005.00  |              |  |
|     |                                   | POWER                                                            |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   | CONDUIT                                                          |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 765 |                                   | 3/4" EMT Conduit                                                 | LF                                                       | 144  | 10%      | 158     | 0.062                  | \$ 72.00        | \$ 4.46        | \$ 2.07       | \$ 6.53      | \$ 1,031.75  |              |  |
| 766 |                                   | 1" EMT Conduit                                                   | LF                                                       | 119  | 10%      | 131     | 0.070                  | \$ 72.00        | \$ 5.04        | \$ 3.54       | \$ 8.58      | \$ 1,123.88  |              |  |
| 767 |                                   | 3/4" PVC SCH 40 Conduit                                          | LF                                                       | 624  | 10%      | 687     | 0.055                  | \$ 72.00        | \$ 3.96        | \$ 2.20       | \$ 6.16      | \$ 4,231.14  |              |  |
| 768 |                                   | 1" PVC SCH 40 Conduit                                            | LF                                                       | 245  | 10%      | 270     | 0.064                  | \$ 72.00        | \$ 4.61        | \$ 3.55       | \$ 8.16      | \$ 2,201.63  |              |  |
|     |                                   | CONDUCTOR                                                        |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
| 769 |                                   | #10 CU THHN/THWN                                                 | LF                                                       | 2304 | 10%      | 2534    | 0.008                  | \$ 72.00        | \$ 0.58        | \$ 0.40       | \$ 0.98      | \$ 2,473.51  |              |  |
| 770 |                                   | #6 CU THHN/THWN                                                  | LF                                                       | 1458 | 10%      | 1603    | 0.012                  | \$ 72.00        | \$ 0.86        | \$ 1.03       | \$ 1.89      | \$ 3,036.93  |              |  |
|     |                                   | SITE LIGHTING                                                    |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |
|     |                                   | CONDUIT                                                          |                                                          |      |          |         |                        |                 |                |               |              |              |              |  |

| SR # | Drawing # | Detail # | DESCRIPTION                                                                                    | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST   | UNIT COST   | SUB COST     |
|------|-----------|----------|------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|---------------|-------------|-------------|--------------|
| 771  |           |          | 3/4" EMT Conduit                                                                               | LF   | 154      | 10%     | 169                    | 0.062           | \$ 72.00       | \$ 4.46       | \$ 2.07     | \$ 6.53     | \$ 1,104.78  |
| 772  |           |          | 3/4" RGS Conduit                                                                               | LF   | 195      | 10%     | 214                    | 0.100           | \$ 72.00       | \$ 7.20       | \$ 4.15     | \$ 11.35    | \$ 2,433.70  |
| 773  |           |          | 1" PVC SCH 40 Conduit                                                                          | LF   | 900      | 10%     | 990                    | 0.064           | \$ 72.00       | \$ 4.61       | \$ 3.55     | \$ 8.16     | \$ 8,076.96  |
|      |           |          | <b>CONDUCTOR</b>                                                                               |      |          |         |                        |                 |                |               |             |             |              |
| 774  |           |          | #10 CU THHN/THWN                                                                               | LF   | 1046     | 10%     | 1151                   | 0.008           | \$ 72.00       | \$ 0.58       | \$ 0.40     | \$ 0.98     | \$ 1,122.90  |
| 775  |           |          | #8 CU THHN/THWN                                                                                | LF   | 2700     | 10%     | 2970                   | 0.010           | \$ 72.00       | \$ 0.72       | \$ 0.66     | \$ 1.38     | \$ 4,098.87  |
|      |           |          | <b>LIGHTING FIXTURES</b>                                                                       |      |          |         |                        |                 |                |               |             |             |              |
| 776  |           |          | 5A: DSX2 LED F3 40K T4M MVOLT With Houseside Shield, LITHO                                     | EA   | 13       | 0%      | 13                     | 0.890           | \$ 72.00       | \$ 64.08      | \$ 2,917.50 | \$ 2,981.58 | \$ 38,760.54 |
| 777  |           |          | 25' Straight, 5" Square, 0.120" Thickness Steel Pole, COPPER/STEEL                             | EA   | 13       | 0%      | 13                     | 1.000           | \$ 72.00       | \$ 72.00      | \$ 1,600.00 | \$ 1,672.00 | \$ 21,736.00 |
| 778  |           |          | 12-5/16" Handhole                                                                              | EA   | 13       | 0%      | 13                     | 0.650           | \$ 72.00       | \$ 46.80      | \$ 235.00   | \$ 281.80   | \$ 3,663.40  |
| 779  |           |          | L-Bent Galvanized Steel Anchor Bolts                                                           | EA   | 52       | 0%      | 52                     | 0.200           | \$ 72.00       | \$ 14.40      | \$ 19.00    | \$ 33.40    | \$ 1,736.80  |
| 780  |           |          | 5/8" x 8' Ground Rod                                                                           | EA   | 13       | 0%      | 13                     | 0.250           | \$ 72.00       | \$ 18.00      | \$ 25.00    | \$ 43.00    | \$ 559.00    |
| 781  |           |          | #6 CU Grounding Conductor                                                                      | LF   | 130      | 10%     | 143                    | 0.044           | \$ 72.00       | \$ 3.20       | \$ 1.60     | \$ 4.80     | \$ 685.94    |
|      |           |          | <b>MISCELLANEOUS</b>                                                                           |      |          |         |                        |                 |                |               |             |             |              |
| 782  |           |          | Junction Box                                                                                   | EA   | 4        | 0%      | 4                      | 0.450           | \$ 72.00       | \$ 32.40      | \$ 65.23    | \$ 97.63    | \$ 390.52    |
|      |           |          | <b>TRENCHING &amp; BACKFILLING</b>                                                             |      |          |         |                        |                 |                |               |             |             |              |
| 783  |           |          | Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT  | 2650     | 0%      | 2650                   | 0.080           | \$ 72.00       | \$ 5.76       | \$ -        | \$ 5.76     | \$ 15,264.00 |
|      |           |          |                                                                                                |      |          |         |                        |                 |                |               |             | SUB TOTAL   | \$ 446,880   |

|                     |  |  |  |  |  |  |  |  |  |  |  |                  |             |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|------------------|-------------|
|                     |  |  |  |  |  |  |  |  |  |  |  | PRO JEC TED COST | \$6,892,988 |
| OVERHEAD AND PROFIT |  |  |  |  |  |  |  |  |  |  |  | 15%              | \$1,033,948 |
| INSURANCE           |  |  |  |  |  |  |  |  |  |  |  | 3%               | \$206,790   |
| CONTINGENCY         |  |  |  |  |  |  |  |  |  |  |  | 5%               | \$344,649   |
| TAX                 |  |  |  |  |  |  |  |  |  |  |  | 6.5%             | \$448,044   |
|                     |  |  |  |  |  |  |  |  |  |  |  | SUGGESTED BID    | \$8,926,420 |

Notes:

- Online sources are used for pricing.
- Prices can vary depending upon field conditions.
- As fire protection piping & sprinkler were not shown on plans so we take allowance as per architectural plans.
- Plumbing pipes material was not shown on specifications so we assumed according to penetration schedule.



| SR#                              | Drawing #     | Detail #                                  | DESCRIPTION                                                                                    | UNIT                                                              | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST     | UNIT COST     | SUB COST      |             |
|----------------------------------|---------------|-------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------|---------|------------------------|-----------------|----------------|---------------|---------------|---------------|---------------|-------------|
| GENERAL REQUIREMENTS             |               |                                           |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 1                                |               |                                           | Permits                                                                                        | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -          | \$ -          |               | \$ -          |             |
| 2                                |               |                                           | Supervision and Coordination                                                                   | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -          | \$ -          | \$ 142,000.00 | \$ 142,000.00 |             |
| 3                                |               |                                           | Submittals and Shop drawings                                                                   | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -          | \$ -          | \$ 15,000.00  | \$ 15,000.00  |             |
| 4                                |               |                                           | Final Cleaning                                                                                 | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -          | \$ -          | \$ 20,000.00  | \$ 20,000.00  |             |
| 5                                |               |                                           | Mobilization Costs                                                                             | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -          | \$ -          | \$ 215,000.00 | \$ 215,000.00 |             |
| 6                                |               |                                           | Temporary Control & Facilities                                                                 | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -          | \$ -          | \$ 46,000.00  | \$ 46,000.00  |             |
| 7                                |               |                                           | Scaffolding                                                                                    | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$ -          | \$ -          | \$ -          | \$ -          |             |
| SUB TOT AL                       |               |                                           |                                                                                                |                                                                   |          |         |                        |                 |                |               |               | \$ 438,000    |               |             |
| FIRE SUPPRESSION (SEE NOTE NO 3) |               |                                           |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 8                                | FP100 & FP101 |                                           | ALLOWANCE                                                                                      | LS                                                                | 1        | 0%      | 1                      | 0.000           | \$ -           | \$79,932.72   | \$ 119,899.08 | \$ 199,831.80 | \$ 199,831.80 |             |
|                                  |               |                                           | FIRE PROTECTION PIPE (BELOW GRADE)                                                             |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               |                                           | Schedule 10 Black Steel Pipe                                                                   |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 9                                |               |                                           | 6" Dia Fire Protection Pipe                                                                    | LF                                                                | 12       | 10%     | 13                     | 0.571           | \$ 70.00       | \$ 39.97      | \$ 118.88     | \$ 158.85     | \$ 2,096.82   |             |
|                                  |               |                                           | FIRE PROTECTION PIPE FITTINGS                                                                  |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               |                                           | ELBOW                                                                                          |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 10                               |               |                                           | 6" Dia Fire Protection Pipe 90 Deg Elbow                                                       | EA                                                                | 1        | 0%      | 1                      | 0.960           | \$ 70.00       | \$ 67.20      | \$ 389.61     | \$ 456.81     | \$ 456.81     |             |
|                                  |               |                                           | DRAIN PIPE (ABOVE GRADE)                                                                       |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               | Assumed                                   | Type "L" Copper Pipe With Soldered Joints                                                      |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 11                               |               |                                           | 2" Dia Drain Pipe                                                                              | LF                                                                | 6        | 10%     | 7                      | 0.190           | \$ 70.00       | \$ 13.30      | \$ 17.88      | \$ 31.18      | \$ 205.79     |             |
|                                  |               |                                           | DRAIN PIPE FITTINGS                                                                            |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               |                                           | ELBOW                                                                                          |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 12                               |               |                                           | 2" Dia Drain Pipe 90 Deg Elbow                                                                 | EA                                                                | 1        | 0%      | 1                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 21.48      | \$ 72.37      | \$ 72.37      |             |
| 13                               |               |                                           | 2" Dia Drain Pipe 45 Deg Elbow                                                                 | EA                                                                | 1        | 0%      | 1                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 23.48      | \$ 74.37      | \$ 74.37      |             |
|                                  |               |                                           | FIRE PUMP                                                                                      |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 14                               |               |                                           | As Required                                                                                    | Fire Booster Pump                                                 | EA       | 1       | 0%                     | 1               | 5.220          | \$ 70.00      | \$ 365.40     | \$ 4,456.62   | \$ 4,822.02   | \$ 4,822.02 |
|                                  |               |                                           |                                                                                                | SPRINKLER RISER DETAILS                                           |          |         |                        |                 |                |               |               |               |               |             |
| 15                               |               |                                           |                                                                                                | Pressure Gauge, AMETEK, U.S. Gauge Division, 0 to 250 PSIG Minim  | EA       | 2       | 0%                     | 2               | 0.320          | \$ 70.00      | \$ 22.40      | \$ 45.00      | \$ 67.40      | \$ 134.80   |
| 16                               |               |                                           |                                                                                                | Spare Head Box W/ Heads & Wrench                                  | EA       | 1       | 0%                     | 1               | 0.250          | \$ 70.00      | \$ 17.50      | \$ 28.00      | \$ 45.50      | \$ 45.50    |
| 17                               |               |                                           |                                                                                                | 2" Dia Fire Department Connection (FDC), Flush Mounted Chrome Fin | EA       | 1       | 0%                     | 1               | 3.333          | \$ 70.00      | \$ 233.31     | \$ 785.00     | \$ 1,018.31   | \$ 1,018.31 |
| 18                               |               |                                           |                                                                                                | 2" Dia Butterfly Valve, FIVALCO INC., Bronze                      | EA       | 1       | 0%                     | 1               | 1.000          | \$ 70.00      | \$ 70.00      | \$ 365.00     | \$ 435.00     | \$ 435.00   |
| 19                               |               |                                           |                                                                                                | 2" Dia Check Valve, RIVALCO INC., Bronze                          | EA       | 2       | 0%                     | 2               | 0.750          | \$ 70.00      | \$ 52.50      | \$ 302.00     | \$ 354.50     | \$ 709.00   |
| 20                               |               |                                           |                                                                                                | 2" Dia Automatic Drip Valve, NIBCO INC. End Connections: Threaded | EA       | 1       | 0%                     | 1               | 0.850          | \$ 70.00      | \$ 59.50      | \$ 135.00     | \$ 194.50     | \$ 194.50   |
| 21                               |               |                                           | 2" Dia Main Drain Valve, NIBCO INC.                                                            | EA                                                                | 1        | 0%      | 1                      | 0.980           | \$ 70.00       | \$ 68.60      | \$ 658.00     | \$ 726.60     | \$ 726.60     |             |
| 22                               |               |                                           | 6" Dia Flange, Cast-Iron Flanges And Class 150, Bronze Flat-Face Flan                          | EA                                                                | 1        | 0%      | 1                      | 0.250           | \$ 70.00       | \$ 17.50      | \$ 85.00      | \$ 102.50     | \$ 102.50     |             |
|                                  |               |                                           | MISCELLANEOUS                                                                                  |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               |                                           | TRENCHING & BACKFILLING:                                                                       |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 23                               |               |                                           | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT                                                               | 36       | 0%      | 36                     | 0.085           | \$ 70.00       | \$ 5.05       | \$ -          | \$ 5.05       | \$ 214.20     |             |
| SUB TOT AL                       |               |                                           |                                                                                                |                                                                   |          |         |                        |                 |                |               |               | \$ 2114.40    |               |             |
| PLUMBING (SEE NOTE NO 4)         |               |                                           |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 24                               |               | Assumed                                   | Copper Pipe                                                                                    |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               |                                           | 3" Dia Cold Water Pipe                                                                         | LF                                                                | 6        | 10%     | 7                      | 0.286           | \$ 70.00       | \$ 20.02      | \$ 35.46      | \$ 55.48      | \$ 366.17     |             |
|                                  |               |                                           | COLD WATER PIPE FITTINGS                                                                       |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               |                                           | ELBOW                                                                                          |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 25                               |               |                                           | 3" Dia Cold Water Pipe 90 Deg Elbow                                                            | EA                                                                | 1        | 0%      | 1                      | 1.455           | \$ 70.00       | \$ 101.85     | \$ 61.44      | \$ 163.29     | \$ 163.29     |             |
|                                  |               |                                           | COLD WATER PIPE (ABOVE GRADE)                                                                  |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               | Assumed                                   | Type "L" Copper Pipe                                                                           |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 26                               |               |                                           | 1/2" Dia Cold Water Pipe                                                                       | LF                                                                | 3653     | 10%     | 4018                   | 0.099           | \$ 70.00       | \$ 6.93       | \$ 3.56       | \$ 10.49      | \$ 42,151.97  |             |
| 27                               |               |                                           | 3/4" Dia Cold Water Pipe                                                                       | LF                                                                | 2736     | 10%     | 3010                   | 0.105           | \$ 70.00       | \$ 7.35       | \$ 5.00       | \$ 12.35      | \$ 37,168.56  |             |
| 28                               |               |                                           | 1" Dia Cold Water Pipe                                                                         | LF                                                                | 1018     | 10%     | 1120                   | 0.118           | \$ 70.00       | \$ 8.26       | \$ 6.84       | \$ 15.10      | \$ 16,908.98  |             |
| 29                               |               |                                           | 1-1/4" Dia Cold Water Pipe                                                                     | LF                                                                | 447      | 10%     | 492                    | 0.138           | \$ 70.00       | \$ 9.66       | \$ 9.14       | \$ 18.80      | \$ 9,243.96   |             |
| 30                               |               |                                           | 1-1/2" Dia Cold Water Pipe                                                                     | LF                                                                | 12       | 10%     | 13                     | 0.154           | \$ 70.00       | \$ 10.78      | \$ 11.39      | \$ 22.17      | \$ 292.64     |             |
| 31                               |               |                                           | 3" Dia Cold Water Pipe                                                                         | LF                                                                | 291      | 10%     | 320                    | 0.286           | \$ 70.00       | \$ 20.02      | \$ 35.46      | \$ 55.48      | \$ 17,759.15  |             |
|                                  |               |                                           | Schedule 40 Steel Pipe                                                                         |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 32                               |               |                                           | 1/2" Dia Cold Water Pipe                                                                       | LF                                                                | 10       | 10%     | 11                     | 0.105           | \$ 70.00       | \$ 7.35       | \$ 9.86       | \$ 17.21      | \$ 189.31     |             |
| 33                               |               |                                           | 3/4" Dia Cold Water Pipe                                                                       | LF                                                                | 7        | 10%     | 8                      | 0.113           | \$ 70.00       | \$ 7.91       | \$ 11.69      | \$ 19.60      | \$ 150.92     |             |
| 34                               |               |                                           | 1" Dia Cold Water Pipe                                                                         | LF                                                                | 16       | 10%     | 18                     | 0.127           | \$ 70.00       | \$ 8.89       | \$ 13.74      | \$ 22.63      | \$ 398.29     |             |
| 35                               |               |                                           | 1-1/2" Dia Cold Water Pipe                                                                     | LF                                                                | 43       | 10%     | 47                     | 0.157           | \$ 70.00       | \$ 10.99      | \$ 20.98      | \$ 31.97      | \$ 1,512.18   |             |
|                                  |               |                                           | 1" Thick Flexible Elastomeric Insulation                                                       |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 36                               |               |                                           | 1/2" Dia Cold Water Pipe                                                                       | LF                                                                | 3653     | 10%     | 4018                   | 0.067           | \$ 70.00       | \$ 4.69       | \$ 2.47       | \$ 7.16       | \$ 28,771.03  |             |
| 37                               |               |                                           | 3/4" Dia Cold Water Pipe                                                                       | LF                                                                | 2736     | 10%     | 3010                   | 0.070           | \$ 70.00       | \$ 4.90       | \$ 2.72       | \$ 7.62       | \$ 22,933.15  |             |
| 38                               |               |                                           | 1" Dia Cold Water Pipe                                                                         | LF                                                                | 1018     | 10%     | 1120                   | 0.073           | \$ 70.00       | \$ 5.11       | \$ 2.85       | \$ 7.96       | \$ 8,913.61   |             |
| 39                               |               |                                           | 1-1/4" Dia Cold Water Pipe                                                                     | LF                                                                | 447      | 10%     | 492                    | 0.073           | \$ 70.00       | \$ 5.11       | \$ 3.15       | \$ 8.26       | \$ 4,061.44   |             |
| 40                               |               | 1-1/2" Dia Cold Water Pipe                | LF                                                                                             | 12                                                                | 10%      | 13      | 0.073                  | \$ 70.00        | \$ 5.11        | \$ 3.39       | \$ 8.50       | \$ 112.20     |               |             |
| 41                               |               | 3" Dia Cold Water Pipe                    | LF                                                                                             | 291                                                               | 10%      | 320     | 0.089                  | \$ 70.00        | \$ 6.23        | \$ 4.40       | \$ 10.63      | \$ 3,402.66   |               |             |
|                                  |               | 1" Thick Flexible Elastomeric Insulation  |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 42                               |               | Assumed                                   | 1/2" Dia Cold Water Pipe                                                                       | LF                                                                | 10       | 10%     | 11                     | 0.067           | \$ 70.00       | \$ 4.69       | \$ 2.47       | \$ 7.16       | \$ 78.76      |             |
| 43                               |               | 3/4" Dia Cold Water Pipe                  | LF                                                                                             | 7                                                                 | 10%      | 8       | 0.070                  | \$ 70.00        | \$ 4.90        | \$ 2.72       | \$ 7.62       | \$ 58.67      |               |             |
| 44                               |               | 1" Dia Cold Water Pipe                    | LF                                                                                             | 16                                                                | 10%      | 18      | 0.073                  | \$ 70.00        | \$ 5.11        | \$ 2.85       | \$ 7.96       | \$ 140.10     |               |             |
| 45                               |               | 1-1/2" Dia Cold Water Pipe                | LF                                                                                             | 43                                                                | 10%      | 47      | 0.073                  | \$ 70.00        | \$ 5.11        | \$ 3.39       | \$ 8.50       | \$ 402.05     |               |             |
|                                  |               | COLD WATER PIPE FITTINGS                  |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 46                               |               | 1/2" Dia Cold Water Pipe 90 Deg Elbow     | EA                                                                                             | 807                                                               | 0%       | 807     | 0.400                  | \$ 70.00        | \$ 28.00       | \$ 1.21       | \$ 29.21      | \$ 23,572.47  |               |             |
| 47                               |               | 3/4" Dia Cold Water Pipe 90 Deg Elbow     | EA                                                                                             | 151                                                               | 0%       | 151     | 0.421                  | \$ 70.00        | \$ 29.47       | \$ 2.62       | \$ 32.09      | \$ 4,845.59   |               |             |
| 48                               |               | 1" Dia Cold Water Pipe 90 Deg Elbow       | EA                                                                                             | 11                                                                | 0%       | 11      | 0.500                  | \$ 70.00        | \$ 35.00       | \$ 5.94       | \$ 40.94      | \$ 450.34     |               |             |
| 49                               |               | 1-1/4" Dia Cold Water Pipe 90 Deg Elbow   | EA                                                                                             | 27                                                                | 0%       | 27      | 0.533                  | \$ 70.00        | \$ 37.31       | \$ 8.29       | \$ 45.60      | \$ 1,231.20   |               |             |
| 50                               |               | 1-1/2" Dia Cold Water Pipe 90 Deg Elbow   | EA                                                                                             | 5                                                                 | 0%       | 5       | 0.615                  | \$ 70.00        | \$ 43.05       | \$ 14.24      | \$ 57.29      | \$ 286.45     |               |             |
| 51                               |               | 3" Dia Cold Water Pipe 90 Deg Elbow       | EA                                                                                             | 5                                                                 | 0%       | 5       | 1.455                  | \$ 70.00        | \$ 101.85      | \$ 61.44      | \$ 163.29     | \$ 816.45     |               |             |
|                                  |               | TEE                                       |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 52                               |               | 1/2" Dia Cold Water Pipe Tee              | EA                                                                                             | 5                                                                 | 0%       | 5       | 0.615                  | \$ 70.00        | \$ 43.05       | \$ 1.89       | \$ 44.94      | \$ 224.70     |               |             |
| 53                               |               | 3/4" Dia Cold Water Pipe Tee              | EA                                                                                             | 113                                                               | 0%       | 113     | 0.667                  | \$ 70.00        | \$ 46.69       | \$ 4.52       | \$ 51.21      | \$ 5,786.73   |               |             |
| 54                               |               | 1" Dia Cold Water Pipe Tee                | EA                                                                                             | 8                                                                 | 0%       | 8       | 0.800                  | \$ 70.00        | \$ 56.00       | \$ 13.64      | \$ 69.64      | \$ 557.12     |               |             |
| 55                               |               | 3" Dia Cold Water Pipe Tee                | EA                                                                                             | 5                                                                 | 0%       | 5       | 2.286                  | \$ 70.00        | \$ 160.02      | \$ 127.87     | \$ 287.89     | \$ 1,439.45   |               |             |
| 56                               |               | 3/4" / 1/2" Dia Cold Water Pipe Tee       | EA                                                                                             | 114                                                               | 0%       | 114     | 0.571                  | \$ 70.00        | \$ 39.97       | \$ 6.64       | \$ 46.61      | \$ 5,313.54   |               |             |
| 57                               |               | 1" / 1/2" Dia Cold Water Pipe Tee         | EA                                                                                             | 1                                                                 | 0%       | 1       | 0.571                  | \$ 70.00        | \$ 39.97       | \$ 6.64       | \$ 46.61      | \$ 46.61      |               |             |
| 58                               |               | 1" / 3/4" Dia Cold Water Pipe Tee         | EA                                                                                             | 75                                                                | 0%       | 75      | 0.667                  | \$ 70.00        | \$ 46.69       | \$ 3.83       | \$ 50.52      | \$ 3,789.00   |               |             |
| 59                               |               | 1-1/4" / 3/4" Dia Cold Water Pipe Tee     | EA                                                                                             | 26                                                                | 0%       | 26      | 0.667                  | \$ 70.00        | \$ 46.69       | \$ 3.83       | \$ 50.52      | \$ 1,313.52   |               |             |
| 60                               |               | 1-1/2" / 1/2" Dia Cold Water Pipe Tee     | EA                                                                                             | 4                                                                 | 0%       | 4       | 0.571                  | \$ 70.00        | \$ 39.97       | \$ 6.64       | \$ 46.61      | \$ 186.44     |               |             |
| 61                               |               | 3" / 1/2" Dia Cold Water Pipe Tee         | EA                                                                                             | 2                                                                 | 0%       | 2       | 0.571                  | \$ 70.00        | \$ 39.97       | \$ 6.64       | \$ 46.61      | \$ 93.22      |               |             |
| 62                               |               | 3" / 3/4" Dia Cold Water Pipe Tee         | EA                                                                                             | 2                                                                 | 0%       | 2       | 0.667                  | \$ 70.00        | \$ 46.69       | \$ 3.83       | \$ 50.52      | \$ 101.04     |               |             |
| 63                               |               | 3" / 1" Dia Cold Water Pipe Tee           | EA                                                                                             | 4                                                                 | 0%       | 4       | 0.727                  | \$ 70.00        | \$ 50.89       | \$ 8.39       | \$ 59.28      | \$ 237.12     |               |             |
| 64                               |               | 3" / 1-1/4" Dia Cold Water Pipe Tee       | EA                                                                                             | 28                                                                | 0%       | 28      | 0.800                  | \$ 70.00        | \$ 56.00       | \$ 13.09      | \$ 69.09      | \$ 1,934.52   |               |             |
|                                  |               | REDUCER                                   |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 65                               |               | 3/4" / 1/2" Dia Cold Water Pipe Reducer   | EA                                                                                             | 223                                                               | 0%       | 223     | 0.348                  | \$ 70.00        | \$ 24.36       | \$ 1.36       | \$ 25.72      | \$ 5,735.56   |               |             |
| 66                               |               | 1" / 3/4" Dia Cold Water Pipe Reducer     | EA                                                                                             | 3                                                                 | 0%       | 3       | 0.372                  | \$ 70.00        | \$ 26.04       | \$ 2.41       | \$ 28.45      | \$ 85.35      |               |             |
| 67                               |               | 1-1/4" / 3/4" Dia Cold Water Pipe Reducer | EA                                                                                             | 1                                                                 | 0%       | 1       | 0.372                  | \$ 70.00        | \$ 26.04       | \$ 2.41       | \$ 28.45      | \$ 28.45      |               |             |
| 68                               |               | 1-1/4" / 1" Dia Cold Water Pipe Reducer   | EA                                                                                             | 25                                                                | 0%       | 25      | 0.410                  | \$ 70.00        | \$ 28.70       | \$ 3.29       | \$ 31.99      | \$ 799.75     |               |             |
| 69                               |               | 1-1/2" / 3/4" Dia Cold Water Pipe Reducer | EA                                                                                             | 1                                                                 | 0%       | 1       | 0.372                  | \$ 70.00        | \$ 26.04       | \$ 2.41       | \$ 28.45      | \$ 28.45      |               |             |
| 70                               |               | 1-1/2" / 1" Dia Cold Water Pipe Reducer   | EA                                                                                             | 1                                                                 | 0%       | 1       | 0.410                  | \$ 70.00        | \$ 28.70       | \$ 3.29       | \$ 31.99      | \$ 31.99      |               |             |
| 71                               |               | 3" / 1-1/2" Dia Cold Water Pipe Reducer   | EA                                                                                             | 1                                                                 | 0%       | 1       | 0.500                  | \$ 70.00        | \$ 35.00       | \$ 8.19       | \$ 43.19      | \$ 43.19      |               |             |
|                                  |               | TO WATER PIPE (ABOVE GRADE)               |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
|                                  |               | Type "L" Copper Pipe                      |                                                                                                |                                                                   |          |         |                        |                 |                |               |               |               |               |             |
| 72                               |               | Assumed                                   | 1/2" Dia Hot Water Pipe                                                                        | LF                                                                | 2425     | 10%     | 2668                   | 0.099           | \$ 70.00       | \$ 6.93       | \$ 3.56       | \$ 10.49      | \$ 27,902.08  |             |
| 73                               |               |                                           | 3/4" Dia Hot Water Pipe                                                                        | LF                                                                | 2922     | 10%     | 3214                   | 0.105           | \$ 70.00       | \$ 7.35       | \$ 5.00       | \$ 12.35      | \$ 39,695.37  |             |
| 74                               |               |                                           | 1" Dia Hot Water Pipe                                                                          | LF                                                                | 1006     | 10%     | 1107                   | 0.118           | \$ 70.00       | \$ 8.26       | \$ 6.84       | \$ 15.10      | \$ 16,709.66  |             |
| 75                               |               |                                           | 1-1/4" Dia Hot Water Pipe                                                                      | LF                                                                | 186      | 10%     | 205                    | 0.138           | \$ 70.00       | \$ 9.66       | \$ 9.14       | \$ 18.80      | \$ 3,846.48   |             |
| 76                               |               |                                           | 1-1/2" Dia Hot Water Pipe                                                                      | LF                                                                | 84       | 10%     | 92                     | 0.154           | \$ 70.00       | \$ 10.78      | \$ 11.39      | \$ 22.17      | \$ 2,048.51   |             |

| SR # | Drawing # | Detail # | DESCRIPTION                                     | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST | UNIT COST | SUB COST     |
|------|-----------|----------|-------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|---------------|-----------|-----------|--------------|
| 77   |           |          | 2" Dia Hot Water Pipe                           | LF   | 68       | 10%     | 75                     | 0.190           | \$ 70.00       | \$ 13.30      | \$ 17.88  | \$ 31.18  | \$ 2,332.26  |
| 78   |           |          | 2-1/2" Dia Hot Water Pipe                       | LF   | 79       | 10%     | 87                     | 0.258           | \$ 70.00       | \$ 18.06      | \$ 25.47  | \$ 43.53  | \$ 3,782.76  |
|      |           |          | <b>1" Thick Flexible Elastomeric Insulation</b> |      |          |         |                        |                 |                |               |           |           |              |
| 79   |           |          | 1/2" Dia Hot Water Pipe                         | LF   | 2425     | 10%     | 2668                   | 0.067           | \$ 70.00       | \$ 469        | \$ 2.47   | \$ 716    | \$ 19,099.30 |
| 80   |           |          | 3/4" Dia Hot Water Pipe                         | LF   | 2922     | 10%     | 3214                   | 0.070           | \$ 70.00       | \$ 490        | \$ 2.72   | \$ 762    | \$ 24,492.20 |
| 81   |           |          | 1" Dia Hot Water Pipe                           | LF   | 1006     | 10%     | 1107                   | 0.073           | \$ 70.00       | \$ 511        | \$ 2.85   | \$ 796    | \$ 8,808.54  |
| 82   |           |          | 1-1/4" Dia Hot Water Pipe                       | LF   | 186      | 10%     | 205                    | 0.073           | \$ 70.00       | \$ 511        | \$ 3.15   | \$ 826    | \$ 1,690.00  |
| 83   |           |          | 1-1/2" Dia Hot Water Pipe                       | LF   | 84       | 10%     | 92                     | 0.073           | \$ 70.00       | \$ 511        | \$ 3.30   | \$ 850    | \$ 785.40    |
| 84   |           |          | 2" Dia Hot Water Pipe                           | LF   | 68       | 10%     | 75                     | 0.080           | \$ 70.00       | \$ 560        | \$ 3.64   | \$ 924    | \$ 691.15    |
| 85   |           |          | 2-1/2" Dia Hot Water Pipe                       | LF   | 79       | 10%     | 87                     | 0.084           | \$ 70.00       | \$ 588        | \$ 4.10   | \$ 998    | \$ 867.26    |
|      |           |          | <b>HOT WATER PIPE FITTINGS</b>                  |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 86   |           |          | 1/2" Dia Hot Water Pipe 90 Deg Elbow            | EA   | 576      | 0%      | 576                    | 0.400           | \$ 70.00       | \$ 28.00      | \$ 1.21   | \$ 29.21  | \$ 16,824.96 |
| 87   |           |          | 3/4" Dia Hot Water Pipe 90 Deg Elbow            | EA   | 257      | 0%      | 257                    | 0.421           | \$ 70.00       | \$ 29.47      | \$ 2.62   | \$ 32.09  | \$ 8,247.13  |
| 88   |           |          | 1" Dia Hot Water Pipe 90 Deg Elbow              | EA   | 25       | 0%      | 25                     | 0.500           | \$ 70.00       | \$ 35.00      | \$ 5.94   | \$ 40.94  | \$ 1,023.50  |
| 89   |           |          | 1-1/4" Dia Hot Water Pipe 90 Deg Elbow          | EA   | 5        | 0%      | 5                      | 0.533           | \$ 70.00       | \$ 37.31      | \$ 8.29   | \$ 45.60  | \$ 228.00    |
| 90   |           |          | 2-1/2" Dia Hot Water Pipe 90 Deg Elbow          | EA   | 3        | 0%      | 3                      | 1.231           | \$ 70.00       | \$ 86.17      | \$ 44.96  | \$ 131.13 | \$ 393.39    |
|      |           |          | <b>TEE</b>                                      |      |          |         |                        |                 |                |               |           |           |              |
| 91   |           |          | 1/2" Dia Hot Water Pipe Tee                     | EA   | 2        | 0%      | 2                      | 0.615           | \$ 70.00       | \$ 43.05      | \$ 1.89   | \$ 44.94  | \$ 89.88     |
| 92   |           |          | 3/4" Dia Hot Water Pipe Tee                     | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 4.52   | \$ 51.21  | \$ 51.21     |
| 93   |           |          | 1" Dia Hot Water Pipe Tee                       | EA   | 1        | 0%      | 1                      | 0.800           | \$ 70.00       | \$ 56.00      | \$ 13.64  | \$ 69.64  | \$ 69.64     |
| 94   |           |          | 1-1/4" Dia Hot Water Pipe Tee                   | EA   | 1        | 0%      | 1                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 15.43  | \$ 77.66  | \$ 77.66     |
| 95   |           |          | 3/4" / 1/2" Dia Hot Water Pipe Tee              | EA   | 112      | 0%      | 112                    | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 5,220.32  |
| 96   |           |          | 1" / 3/4" Dia Hot Water Pipe Tee                | EA   | 100      | 0%      | 100                    | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 5,052.00  |
| 97   |           |          | 1-1/4" / 1/2" Dia Hot Water Pipe Tee            | EA   | 3        | 0%      | 3                      | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 139.83    |
| 98   |           |          | 1-1/4" / 3/4" Dia Hot Water Pipe Tee            | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 50.52     |
| 99   |           |          | 1-1/4" / 1" Dia Hot Water Pipe Tee              | EA   | 3        | 0%      | 3                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 177.84    |
| 100  |           |          | 1-1/2" / 3/4" Dia Hot Water Pipe Tee            | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 50.52     |
| 101  |           |          | 1-1/2" / 1" Dia Hot Water Pipe Tee              | EA   | 8        | 0%      | 8                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 474.24    |
| 102  |           |          | 2" / 1/2" Dia Hot Water Pipe Tee                | EA   | 1        | 0%      | 1                      | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 46.61     |
| 103  |           |          | 2" / 3/4" Dia Hot Water Pipe Tee                | EA   | 1        | 0%      | 1                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 50.52     |
| 104  |           |          | 2" / 1" Dia Hot Water Pipe Tee                  | EA   | 8        | 0%      | 8                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 474.24    |
| 105  |           |          | 2-1/2" / 3/4" Dia Hot Water Pipe Tee            | EA   | 2        | 0%      | 2                      | 0.667           | \$ 70.00       | \$ 46.69      | \$ 3.83   | \$ 50.52  | \$ 101.04    |
| 106  |           |          | 2-1/2" / 1" Dia Hot Water Pipe Tee              | EA   | 6        | 0%      | 6                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 355.68    |
|      |           |          | <b>REDUCER</b>                                  |      |          |         |                        |                 |                |               |           |           |              |
| 107  |           |          | 3/4" / 1/2" Dia Hot Water Pipe Reducer          | EA   | 113      | 0%      | 113                    | 0.348           | \$ 70.00       | \$ 24.36      | \$ 1.36   | \$ 25.72  | \$ 2,906.36  |
| 108  |           |          | 1" / 3/4" Dia Hot Water Pipe Reducer            | EA   | 50       | 0%      | 50                     | 0.372           | \$ 70.00       | \$ 26.04      | \$ 2.41   | \$ 28.45  | \$ 1,422.50  |
| 109  |           |          | 1-1/4" / 3/4" Dia Hot Water Pipe Reducer        | EA   | 1        | 0%      | 1                      | 0.372           | \$ 70.00       | \$ 26.04      | \$ 2.41   | \$ 28.45  | \$ 28.45     |
| 110  |           |          | 1-1/4" / 1" Dia Hot Water Pipe Reducer          | EA   | 1        | 0%      | 1                      | 0.410           | \$ 70.00       | \$ 28.70      | \$ 3.29   | \$ 31.99  | \$ 31.99     |
| 111  |           |          | 1-1/4" / 1-1/2" Dia Hot Water Pipe Reducer      | EA   | 1        | 0%      | 1                      | 0.500           | \$ 70.00       | \$ 35.00      | \$ 8.19   | \$ 43.19  | \$ 43.19     |
| 112  |           |          | 2" / 1-1/2" Dia Hot Water Pipe Reducer          | EA   | 1        | 0%      | 1                      | 0.500           | \$ 70.00       | \$ 35.00      | \$ 8.19   | \$ 43.19  | \$ 43.19     |
| 113  |           |          | 2" / 2-1/2" Dia Hot Water Pipe Reducer          | EA   | 1        | 0%      | 1                      | 0.615           | \$ 70.00       | \$ 43.05      | \$ 28.97  | \$ 72.02  | \$ 72.02     |
|      |           |          | <b>HOT WATER RETURN PIPE (ABOVE GRADE)</b>      |      |          |         |                        |                 |                |               |           |           |              |
|      | Assumed   |          | <b>Type "L" Copper Pipe</b>                     |      |          |         |                        |                 |                |               |           |           |              |
| 114  |           |          | 1/2" Dia Hot Water Return Pipe                  | LF   | 1316     | 10%     | 1448                   | 0.099           | \$ 70.00       | \$ 6.93       | \$ 3.56   | \$ 10.49  | \$ 15,185.32 |
| 115  |           |          | 3/4" Dia Hot Water Return Pipe                  | LF   | 31       | 10%     | 34                     | 0.105           | \$ 70.00       | \$ 7.35       | \$ 5.00   | \$ 12.35  | \$ 421.14    |
| 116  |           |          | 1" Dia Hot Water Return Pipe                    | LF   | 256      | 10%     | 282                    | 0.118           | \$ 70.00       | \$ 8.26       | \$ 6.84   | \$ 15.10  | \$ 4,252.16  |
| 117  |           |          | 1-1/4" Dia Hot Water Return Pipe                | LF   | 80       | 10%     | 88                     | 0.138           | \$ 70.00       | \$ 9.66       | \$ 9.14   | \$ 18.80  | \$ 1,654.40  |
|      |           |          | <b>1" Thick Flexible Elastomeric Insulation</b> |      |          |         |                        |                 |                |               |           |           |              |
| 118  |           |          | 1/2" Dia Hot Water Return Pipe                  | LF   | 1316     | 10%     | 1448                   | 0.067           | \$ 70.00       | \$ 469        | \$ 2.47   | \$ 716    | \$ 10,364.82 |
| 119  |           |          | 3/4" Dia Hot Water Return Pipe                  | LF   | 31       | 10%     | 34                     | 0.070           | \$ 70.00       | \$ 490        | \$ 2.72   | \$ 762    | \$ 259.84    |
| 120  |           |          | 1" Dia Hot Water Return Pipe                    | LF   | 256      | 10%     | 282                    | 0.073           | \$ 70.00       | \$ 511        | \$ 2.85   | \$ 796    | \$ 2,241.54  |
| 121  |           |          | 1-1/4" Dia Hot Water Return Pipe                | LF   | 80       | 10%     | 88                     | 0.076           | \$ 70.00       | \$ 532        | \$ 3.15   | \$ 847    | \$ 745.36    |
|      |           |          | <b>HOT WATER RETURN PIPE FITTINGS</b>           |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 122  |           |          | 1/2" Dia Hot Water Return Pipe 90 Deg Elbow     | EA   | 25       | 0%      | 25                     | 0.400           | \$ 70.00       | \$ 28.00      | \$ 1.21   | \$ 29.21  | \$ 730.25    |
| 123  |           |          | 1" Dia Hot Water Return Pipe 90 Deg Elbow       | EA   | 2        | 0%      | 2                      | 0.500           | \$ 70.00       | \$ 35.00      | \$ 5.94   | \$ 40.94  | \$ 81.88     |
| 124  |           |          | 1-1/4" Dia Hot Water Return Pipe 90 Deg Elbow   | EA   | 3        | 0%      | 3                      | 0.533           | \$ 70.00       | \$ 37.31      | \$ 8.29   | \$ 45.60  | \$ 136.80    |
|      |           |          | <b>TEE</b>                                      |      |          |         |                        |                 |                |               |           |           |              |
| 125  |           |          | 1/2" Dia Hot Water Return Pipe Tee              | EA   | 1        | 0%      | 1                      | 0.615           | \$ 70.00       | \$ 43.05      | \$ 1.89   | \$ 44.94  | \$ 44.94     |
| 126  |           |          | 3/4" / 1/2" Dia Hot Water Return Pipe Tee       | EA   | 29       | 0%      | 29                     | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 1,351.69  |
| 127  |           |          | 1" / 1/2" Dia Hot Water Return Pipe Tee         | EA   | 14       | 0%      | 14                     | 0.571           | \$ 70.00       | \$ 39.97      | \$ 6.64   | \$ 46.61  | \$ 652.54    |
| 128  |           |          | 1-1/4" / 1" Dia Hot Water Return Pipe Tee       | EA   | 6        | 0%      | 6                      | 0.727           | \$ 70.00       | \$ 50.89      | \$ 8.39   | \$ 59.28  | \$ 355.68    |
|      |           |          | <b>REDUCER</b>                                  |      |          |         |                        |                 |                |               |           |           |              |
| 129  |           |          | 3/4" / 1/2" Dia Hot Water Return Pipe Reducer   | EA   | 1        | 0%      | 1                      | 0.348           | \$ 70.00       | \$ 24.36      | \$ 1.36   | \$ 25.72  | \$ 25.72     |
| 130  |           |          | 1" / 3/4" Dia Hot Water Return Pipe Reducer     | EA   | 1        | 0%      | 1                      | 0.372           | \$ 70.00       | \$ 26.04      | \$ 2.41   | \$ 28.45  | \$ 28.45     |
| 131  |           |          | 1-1/4" / 1" Dia Hot Water Return Pipe Reducer   | EA   | 1        | 0%      | 1                      | 0.410           | \$ 70.00       | \$ 28.70      | \$ 3.29   | \$ 31.99  | \$ 31.99     |
|      |           |          | <b>WASTE PIPE (BELOW GRADE)</b>                 |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>Service Class Cast Iron No-Hub Pipe</b>      |      |          |         |                        |                 |                |               |           |           |              |
| 132  |           |          | 3" Dia Waste Pipe                               | LF   | 219      | 10%     | 241                    | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98  | \$ 38.48  | \$ 9,269.83  |
| 133  |           |          | 4" Dia Waste Pipe                               | LF   | 467      | 10%     | 514                    | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97  | \$ 46.29  | \$ 23,779.17 |
| 134  |           |          | 6" Dia Waste Pipe                               | LF   | 349      | 10%     | 384                    | 0.304           | \$ 70.00       | \$ 21.28      | \$ 42.46  | \$ 63.74  | \$ 17,468.39 |
|      |           |          | <b>WASTE PIPE FITTINGS</b>                      |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 135  |           |          | 2" Dia Waste Pipe 90 Deg Elbow                  | EA   | 8        | 0%      | 8                      | 1.000           | \$ 70.00       | \$ 70.00      | \$ 46.95  | \$ 116.95 | \$ 935.60    |
| 136  |           |          | 3" Dia Waste Pipe 90 Deg Elbow                  | EA   | 27       | 0%      | 27                     | 1.143           | \$ 70.00       | \$ 80.01      | \$ 59.44  | \$ 139.45 | \$ 3,766.15  |
| 137  |           |          | 4" Dia Waste Pipe 90 Deg Elbow                  | EA   | 49       | 0%      | 49                     | 1.231           | \$ 70.00       | \$ 86.17      | \$ 93.41  | \$ 179.58 | \$ 8,799.42  |
| 138  |           |          | 6" Dia Waste Pipe 90 Deg Elbow                  | EA   | 1        | 0%      | 1                      | 1.412           | \$ 70.00       | \$ 98.84      | \$ 161.84 | \$ 260.68 | \$ 260.68    |
| 139  |           |          | 3" Dia Waste Pipe 45 Deg Elbow                  | EA   | 27       | 0%      | 27                     | 1.143           | \$ 70.00       | \$ 80.01      | \$ 49.45  | \$ 129.46 | \$ 3,495.42  |
| 140  |           |          | 4" Dia Waste Pipe 45 Deg Elbow                  | EA   | 32       | 0%      | 32                     | 1.231           | \$ 70.00       | \$ 86.17      | \$ 72.93  | \$ 159.10 | \$ 5,091.20  |
| 141  |           |          | 6" Dia Waste Pipe 45 Deg Elbow                  | EA   | 3        | 0%      | 3                      | 1.412           | \$ 70.00       | \$ 98.84      | \$ 122.88 | \$ 221.72 | \$ 665.16    |
|      |           |          | <b>WYE</b>                                      |      |          |         |                        |                 |                |               |           |           |              |
| 142  |           |          | 3" Dia Waste Pipe Wye                           | EA   | 7        | 0%      | 7                      | 1.778           | \$ 70.00       | \$ 124.46     | \$ 100.90 | \$ 225.36 | \$ 1,577.52  |
| 143  |           |          | 4" Dia Waste Pipe Wye                           | EA   | 11       | 0%      | 11                     | 2.000           | \$ 70.00       | \$ 140.00     | \$ 122.88 | \$ 262.88 | \$ 2,891.68  |
| 144  |           |          | 6" Dia Waste Pipe Wye                           | EA   | 2        | 0%      | 2                      | 2.182           | \$ 70.00       | \$ 152.74     | \$ 277.72 | \$ 430.46 | \$ 880.92    |
| 145  |           |          | 3" / 2" Dia Waste Pipe Wye                      | EA   | 5        | 0%      | 5                      | 1.600           | \$ 70.00       | \$ 112.00     | \$ 86.41  | \$ 198.41 | \$ 982.05    |
| 146  |           |          | 4" / 3" Dia Waste Pipe Wye                      | EA   | 11       | 0%      | 11                     | 1.778           | \$ 70.00       | \$ 124.46     | \$ 112.89 | \$ 237.35 | \$ 2,610.85  |
| 147  |           |          | 6" / 3" Dia Waste Pipe Wye                      | EA   | 8        | 0%      | 8                      | 2.182           | \$ 70.00       | \$ 152.74     | \$ 225.77 | \$ 378.51 | \$ 3,028.08  |
| 148  |           |          | 6" / 4" Dia Waste Pipe Wye                      | EA   | 20       | 0%      | 20                     | 2.400           | \$ 70.00       | \$ 168.00     | \$ 314.69 | \$ 482.69 | \$ 9,653.80  |
|      |           |          | <b>REDUCER</b>                                  |      |          |         |                        |                 |                |               |           |           |              |
| 149  |           |          | 4" / 3" Dia Waste Pipe Reducer                  | EA   | 2        | 0%      | 2                      | 1.143           | \$ 70.00       | \$ 80.01      | \$ 56.44  | \$ 136.45 | \$ 272.90    |
| 150  |           |          | 6" / 4" Dia Waste Pipe Reducer                  | EA   | 1        | 0%      | 1                      | 1.280           | \$ 70.00       | \$ 89.60      | \$ 114.89 | \$ 204.49 | \$ 204.49    |
|      |           |          | <b>WASTE PIPE (ABOVE GRADE)</b>                 |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>Cast Iron No-Hub Pipe</b>                    |      |          |         |                        |                 |                |               |           |           |              |
| 151  |           |          | 1-1/2" Dia Waste Pipe                           | LF   | 13       | 10%     | 14                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19  | \$ 26.94  | \$ 385.24    |
| 152  |           |          | 2" Dia Waste Pipe                               | LF   | 952      | 10%     | 1047                   | 0.239           | \$ 70.00       | \$ 16.73      | \$ 11.74  | \$ 28.47  | \$ 29,813.78 |
| 153  |           |          | 3" Dia Waste Pipe                               | LF   | 2237     | 10%     | 2461                   | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98  | \$ 38.48  | \$ 94,687.74 |
| 154  |           |          | 4" Dia Waste Pipe                               | LF   | 1581     | 10%     | 1739                   | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97  | \$ 46.29  | \$ 80,502.94 |
| 155  |           |          | 6" Dia Waste Pipe                               | LF   | 8        | 10%     | 9                      | 0.304           | \$ 70.00       | \$ 21.28      | \$ 42.46  | \$ 63.74  | \$ 569.91    |
|      |           |          | <b>WASTE PIPE FITTINGS</b>                      |      |          |         |                        |                 |                |               |           |           |              |
|      |           |          | <b>ELBOW</b>                                    |      |          |         |                        |                 |                |               |           |           |              |
| 156  |           |          | 2" Dia Waste Pipe 90 Deg Elbow                  | EA   | 333      | 0%      | 333                    | 1.000           | \$ 70.00       | \$ 70.00      | \$ 46.95  | \$ 116.95 | \$ 38,944.35 |
| 157  |           |          | 3" Dia Waste Pipe 90 Deg Elbow                  | EA   | 355      | 0%      | 355                    | 1.143           | \$ 70.00       | \$ 80.01      | \$ 59.44  | \$ 139.45 | \$ 49,504.75 |
| 158  |           |          | 1-1/2" Dia Waste Pipe 45 Deg Elbow              | EA   | 3        | 0%      | 3                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 25.23  | \$ 87.46  | \$ 262.38    |
| 159  |           |          | 2" Dia Waste Pipe 45 Deg Elbow                  | EA   | 8        | 0%      | 8                      | 1.00            |                |               |           |           |              |

| SR# | Drawing #                                                                         | Detail #                                      | DESCRIPTION                                 | UNIT                                | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST   | UNIT COST    | SUB COST     |  |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------|-------------------------------------|----------|---------|------------------------|-----------------|----------------|---------------|-------------|--------------|--------------|--|
| 171 | P101, P102,<br>P103, P104,<br>P105, P106,<br>P201, P301,<br>P302, P402, &<br>P501 |                                               | 4" / 3" Dia Waste Pipe Reducer              | EA                                  | 1        | 0%      | 1                      | 1.143           | \$ 70.00       | \$ 80.01      | \$ 56.44    | \$ 136.45    | \$ 136.45    |  |
|     |                                                                                   |                                               | GREASE WASTE PIPE (BELOW GRADE)             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Service Class Cast Iron No-Hub Pipe         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 172 |                                                                                   |                                               | 3" Dia Grease Waste Pipe                    | LF                                  | 58       | 10%     | 64                     | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98    | \$ 38.40     | \$ 2,456.02  |  |
| 173 |                                                                                   |                                               | 4" Dia Grease Waste Pipe                    | LF                                  | 134      | 10%     | 147                    | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97    | \$ 46.29     | \$ 6,823.15  |  |
|     |                                                                                   |                                               | GREASE WASTE PIPE FITTINGS                  |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 174 |                                                                                   |                                               | 3" Dia Grease Waste Pipe 90 Deg Elbow       | EA                                  | 4        | 0%      | 4                      | 1.143           | \$ 70.00       | \$ 80.01      | \$ 59.44    | \$ 139.45    | \$ 557.80    |  |
| 175 |                                                                                   |                                               | 3" Dia Grease Waste Pipe 45 Deg Elbow       | EA                                  | 11       | 0%      | 11                     | 1.143           | \$ 70.00       | \$ 80.01      | \$ 49.45    | \$ 129.46    | \$ 1,424.06  |  |
| 176 |                                                                                   |                                               | 4" Dia Grease Waste Pipe 45 Deg Elbow       | EA                                  | 5        | 0%      | 5                      | 1.231           | \$ 70.00       | \$ 86.17      | \$ 72.93    | \$ 159.10    | \$ 795.50    |  |
|     |                                                                                   |                                               | WYE                                         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 177 |                                                                                   |                                               | 3" Dia Grease Waste Pipe Wye                | EA                                  | 3        | 0%      | 3                      | 1.778           | \$ 70.00       | \$ 124.46     | \$ 100.90   | \$ 225.36    | \$ 676.08    |  |
| 178 |                                                                                   |                                               | 4" Dia Grease Waste Pipe Wye                | EA                                  | 1        | 0%      | 1                      | 2.000           | \$ 70.00       | \$ 140.00     | \$ 122.88   | \$ 262.88    | \$ 262.88    |  |
| 179 |                                                                                   |                                               | 3" / 2" Dia Grease Waste Pipe Wye           | EA                                  | 2        | 0%      | 2                      | 1.600           | \$ 70.00       | \$ 112.00     | \$ 86.41    | \$ 198.41    | \$ 396.82    |  |
|     |                                                                                   |                                               | INDIRECT WASTE PIPE (ABOVE GRADE)           |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 180 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe              | LF                                  | 14       | 10%     | 15                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19    | \$ 26.94     | \$ 414.30    |  |
|     |                                                                                   |                                               | INDIRECT WASTE PIPE FITTINGS                |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 181 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe 90 Deg Elbow | EA                                  | 3        | 0%      | 3                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 22.12    | \$ 84.35     | \$ 253.05    |  |
| 182 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe 45 Deg Elbow | EA                                  | 1        | 0%      | 1                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 25.23    | \$ 87.46     | \$ 87.46     |  |
|     |                                                                                   |                                               | WYE                                         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 183 |                                                                                   |                                               | 1-1/2" Dia Indirect Drain Pipe Wye          | EA                                  | 1        | 0%      | 1                      | 1.200           | \$ 70.00       | \$ 84.00      | \$ 45.00    | \$ 129.00    | \$ 129.00    |  |
|     |                                                                                   |                                               | PUMPED DISCHARGE PIPE (ABOVE GRADE)         |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 184 |                                                                                   |                                               | 1-1/2" Dia Pumped Discharge                 | LF                                  | 29       | 10%     | 32                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19    | \$ 26.94     | \$ 859.39    |  |
|     |                                                                                   |                                               | PUMPED DISCHARGE PIPE FITTINGS              |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 185 |                                                                                   |                                               | 1-1/2" Dia Pumped Discharge 90 Deg Elbow    | EA                                  | 3        | 0%      | 3                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 22.12    | \$ 84.35     | \$ 253.05    |  |
| 186 |                                                                                   |                                               | 1-1/2" Dia Pumped Discharge 45 Deg Elbow    | EA                                  | 1        | 0%      | 1                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 25.23    | \$ 87.46     | \$ 87.46     |  |
|     |                                                                                   |                                               | VENT PIPE (ABOVE GRADE)                     |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 187 |                                                                                   |                                               | 1-1/2" Dia Vent Pipe                        | LF                                  | 36       | 10%     | 40                     | 0.225           | \$ 70.00       | \$ 15.75      | \$ 11.19    | \$ 26.94     | \$ 1,066.82  |  |
| 188 |                                                                                   |                                               | 2" Dia Vent Pipe                            | LF                                  | 2338     | 10%     | 2594                   | 0.239           | \$ 70.00       | \$ 16.73      | \$ 11.74    | \$ 28.47     | \$ 73,845.49 |  |
| 189 |                                                                                   |                                               | 3" Dia Vent Pipe                            | LF                                  | 1563     | 10%     | 1719                   | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98    | \$ 38.40     | \$ 66,158.66 |  |
|     |                                                                                   |                                               | VENT PIPE FITTINGS                          |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | ELBOW                                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 190 |                                                                                   |                                               | 2" Dia Vent Pipe 90 Deg Elbow               | EA                                  | 245      | 0%      | 245                    | 1.000           | \$ 70.00       | \$ 70.00      | \$ 46.95    | \$ 116.95    | \$ 28,652.75 |  |
|     |                                                                                   |                                               | TEE                                         |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 191 |                                                                                   |                                               | 2" Dia Vent Pipe Tee                        | EA                                  | 9        | 0%      | 9                      | 1.600           | \$ 70.00       | \$ 112.00     | \$ 62.44    | \$ 174.44    | \$ 1,569.96  |  |
| 192 |                                                                                   |                                               | 3" Dia Vent Pipe Tee                        | EA                                  | 1        | 0%      | 1                      | 1.778           | \$ 70.00       | \$ 124.46     | \$ 100.90   | \$ 225.36    | \$ 2,253.60  |  |
| 193 |                                                                                   |                                               | 2" / 1-1/2" Dia Vent Pipe Tee               | EA                                  | 2        | 0%      | 2                      | 1.450           | \$ 70.00       | \$ 101.50     | \$ 58.00    | \$ 159.50    | \$ 319.00    |  |
| 194 |                                                                                   |                                               | 3" / 2" Dia Vent Pipe Tee                   | EA                                  | 115      | 0%      | 115                    | 1.600           | \$ 70.00       | \$ 112.00     | \$ 86.41    | \$ 198.41    | \$ 22,817.15 |  |
|     |                                                                                   |                                               | REDUCER                                     |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 195 |                                                                                   |                                               | 2" / 1-1/2" Dia Vent Pipe Reducer           | EA                                  | 4        | 0%      | 4                      | 0.889           | \$ 70.00       | \$ 62.23      | \$ 30.15    | \$ 92.38     | \$ 369.52    |  |
|     |                                                                                   | Assumed                                       |                                             | STORM DRAIN PIPE (BELOW GRADE)      |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               |                                             | Service Class Cast Iron No-Hub Pipe |          |         |                        |                 |                |               |             |              |              |  |
| 196 |                                                                                   |                                               | 3" Dia Storm Pipe                           | LF                                  | 37       | 10%     | 41                     | 0.250           | \$ 70.00       | \$ 17.50      | \$ 20.98    | \$ 38.40     | \$ 1,566.14  |  |
| 197 |                                                                                   |                                               | 4" Dia Storm Pipe                           | LF                                  | 14       | 10%     | 15                     | 0.276           | \$ 70.00       | \$ 19.32      | \$ 26.97    | \$ 46.29     | \$ 1,124.87  |  |
| 198 |                                                                                   |                                               | 6" Dia Storm Pipe                           | LF                                  | 270      | 10%     | 297                    | 0.304           | \$ 70.00       | \$ 21.28      | \$ 42.46    | \$ 63.74     | \$ 18,590.76 |  |
| 199 |                                                                                   | 8" Dia Storm Pipe                             | LF                                          | 26                                  | 10%      | 29      | 0.464                  | \$ 70.00        | \$ 32.48       | \$ 81.92      | \$ 114.40   | \$ 3,271.84  |              |  |
| 200 |                                                                                   | 10" Dia Storm Pipe                            | LF                                          | 49                                  | 10%      | 54      | 0.525                  | \$ 70.00        | \$ 36.75       | \$ 130.87     | \$ 167.62   | \$ 9,034.72  |              |  |
|     |                                                                                   | STORM DRAIN PIPE FITTINGS                     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 201 |                                                                                   | 3" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 2                                   | 0%       | 2       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 59.44      | \$ 139.45   | \$ 278.90    |              |  |
| 202 |                                                                                   | 6" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 12                                  | 0%       | 12      | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 161.84     | \$ 260.68   | \$ 3,128.16  |              |  |
| 203 |                                                                                   | 10" Dia Storm Pipe 90 Deg Elbow               | EA                                          | 1                                   | 0%       | 1       | 3.200                  | \$ 70.00        | \$ 224.00      | \$ 714.29     | \$ 938.29   | \$ 938.29    |              |  |
| 204 |                                                                                   | 3" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 3                                   | 0%       | 3       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 49.45      | \$ 129.46   | \$ 388.38    |              |  |
| 205 |                                                                                   | 4" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 1                                   | 0%       | 1       | 1.231                  | \$ 70.00        | \$ 86.17       | \$ 72.93      | \$ 159.10   | \$ 159.10    |              |  |
| 206 |                                                                                   | 6" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 11                                  | 0%       | 11      | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 122.88     | \$ 221.72   | \$ 2,438.92  |              |  |
| 207 |                                                                                   | 8" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 1                                   | 0%       | 1       | 2.909                  | \$ 70.00        | \$ 203.63      | \$ 369.63     | \$ 573.26   | \$ 573.26    |              |  |
| 208 |                                                                                   | 10" Dia Storm Pipe 45 Deg Elbow               | EA                                          | 1                                   | 0%       | 1       | 3.200                  | \$ 70.00        | \$ 224.00      | \$ 529.47     | \$ 753.47   | \$ 753.47    |              |  |
|     |                                                                                   | WYE                                           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 209 |                                                                                   | 6" Dia Storm Pipe Wye                         | EA                                          | 4                                   | 0%       | 4       | 2.182                  | \$ 70.00        | \$ 152.74      | \$ 277.72     | \$ 430.46   | \$ 1,721.84  |              |  |
| 210 |                                                                                   | 10" Dia Storm Pipe Wye                        | EA                                          | 1                                   | 0%       | 1       | 4.571                  | \$ 70.00        | \$ 319.97      | \$ 1,348.65   | \$ 1,668.62 | \$ 1,668.62  |              |  |
| 211 |                                                                                   | 4" / 3" Dia Storm Pipe Wye                    | EA                                          | 1                                   | 0%       | 1       | 1.778                  | \$ 70.00        | \$ 124.46      | \$ 112.89     | \$ 237.35   | \$ 237.35    |              |  |
| 212 |                                                                                   | 10" / 3" Dia Storm Pipe Wye                   | EA                                          | 1                                   | 0%       | 1       | 4.000                  | \$ 70.00        | \$ 280.00      | \$ 1,010.00   | \$ 1,290.00 | \$ 1,290.00  |              |  |
| 213 |                                                                                   | 10" / 6" Dia Storm Pipe Wye                   | EA                                          | 1                                   | 0%       | 1       | 4.000                  | \$ 70.00        | \$ 280.00      | \$ 1,073.93   | \$ 1,353.93 | \$ 1,353.93  |              |  |
| 214 |                                                                                   | 10" / 8" Dia Storm Pipe Wye                   | EA                                          | 1                                   | 0%       | 1       | 4.000                  | \$ 70.00        | \$ 280.00      | \$ 1,150.00   | \$ 1,430.00 | \$ 1,430.00  |              |  |
|     |                                                                                   | REDUCER                                       |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 215 |                                                                                   | 4" / 3" Dia Storm Pipe Reducer                | EA                                          | 1                                   | 0%       | 1       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 56.44      | \$ 136.45   | \$ 136.45    |              |  |
| 216 |                                                                                   | 8" / 6" Dia Storm Pipe Reducer                | EA                                          | 1                                   | 0%       | 1       | 2.000                  | \$ 70.00        | \$ 140.00      | \$ 195.80     | \$ 335.80   | \$ 335.80    |              |  |
|     | Assumed                                                                           |                                               | STORM DRAIN PIPE (ABOVE GRADE)              |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   |                                               | Cast Iron No-Hub Pipe                       |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 217 |                                                                                   | 3" Dia Storm Pipe                             | LF                                          | 134                                 | 10%      | 147     | 0.250                  | \$ 70.00        | \$ 17.50       | \$ 20.98      | \$ 38.40    | \$ 5,671.95  |              |  |
| 218 |                                                                                   | 4" Dia Storm Pipe                             | LF                                          | 57                                  | 10%      | 63      | 0.276                  | \$ 70.00        | \$ 19.32       | \$ 26.97      | \$ 46.29    | \$ 2,902.38  |              |  |
| 219 |                                                                                   | 6" Dia Storm Pipe                             | LF                                          | 320                                 | 10%      | 352     | 0.304                  | \$ 70.00        | \$ 21.28       | \$ 42.46      | \$ 63.74    | \$ 22,436.48 |              |  |
|     |                                                                                   | STORM DRAIN PIPE FITTINGS                     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 220 |                                                                                   | 3" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 4                                   | 0%       | 4       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 59.44      | \$ 139.45   | \$ 557.80    |              |  |
| 221 |                                                                                   | 4" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 2                                   | 0%       | 2       | 1.231                  | \$ 70.00        | \$ 86.17       | \$ 93.41      | \$ 179.58   | \$ 359.16    |              |  |
| 222 |                                                                                   | 6" Dia Storm Pipe 90 Deg Elbow                | EA                                          | 11                                  | 0%       | 11      | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 161.84     | \$ 260.68   | \$ 2,867.48  |              |  |
| 223 |                                                                                   | 3" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 2                                   | 0%       | 2       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 49.45      | \$ 129.46   | \$ 258.92    |              |  |
| 224 |                                                                                   | 4" Dia Storm Pipe 45 Deg Elbow                | EA                                          | 3                                   | 0%       | 3       | 1.231                  | \$ 70.00        | \$ 86.17       | \$ 72.93      | \$ 159.10   | \$ 477.30    |              |  |
|     |                                                                                   | WYE                                           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 225 |                                                                                   | 6" / 4" Dia Storm Pipe Wye                    | EA                                          | 1                                   | 0%       | 1       | 2.400                  | \$ 70.00        | \$ 168.00      | \$ 314.69     | \$ 482.69   | \$ 482.69    |              |  |
|     |                                                                                   | REDUCER                                       |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 226 |                                                                                   | 6" / 4" Dia Storm Pipe Reducer                | EA                                          | 1                                   | 0%       | 1       | 1.280                  | \$ 70.00        | \$ 89.60       | \$ 114.89     | \$ 204.49   | \$ 204.49    |              |  |
|     |                                                                                   | OVERFLOW DRAIN PIPE (ABOVE GRADE)             |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Cast Iron No-Hub Pipe                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 227 |                                                                                   | 3" Dia Overflow Roof Drain                    | LF                                          | 9                                   | 10%      | 10      | 0.250                  | \$ 70.00        | \$ 17.50       | \$ 20.98      | \$ 38.40    | \$ 380.95    |              |  |
| 228 |                                                                                   | 6" Dia Overflow Roof Drain                    | LF                                          | 77                                  | 10%      | 85      | 0.304                  | \$ 70.00        | \$ 21.28       | \$ 42.46      | \$ 63.74    | \$ 5,398.78  |              |  |
|     |                                                                                   | OVERFLOW DRAIN PIPE FITTINGS                  |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 229 |                                                                                   | 3" Dia Overflow Roof Drain 90 Deg Elbow       | EA                                          | 2                                   | 0%       | 2       | 1.143                  | \$ 70.00        | \$ 80.01       | \$ 59.44      | \$ 139.45   | \$ 278.90    |              |  |
| 230 |                                                                                   | 6" Dia Overflow Roof Drain 90 Deg Elbow       | EA                                          | 5                                   | 0%       | 5       | 1.412                  | \$ 70.00        | \$ 98.84       | \$ 161.84     | \$ 260.68   | \$ 1,303.40  |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE (BELOW GRADE)           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Type "L" Copper Pipe With Soldered Joints     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 231 |                                                                                   | 2" Dia Condensate Drain Pipe                  | LF                                          | 103                                 | 10%      | 113     | 0.190                  | \$ 70.00        | \$ 13.30       | \$ 17.88      | \$ 31.18    | \$ 3,532.69  |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE FITTINGS                |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 232 |                                                                                   | 2" Dia Condensate Drain Pipe 90 Deg Elbow     | EA                                          | 13                                  | 0%       | 13      | 0.727                  | \$ 70.00        | \$ 50.89       | \$ 21.48      | \$ 72.37    | \$ 940.81    |              |  |
| 233 |                                                                                   | 2" / 1-1/2" Dia Condensate Drain Pipe Reducer | EA                                          | 14                                  | 0%       | 14      | 0.500                  | \$ 70.00        | \$ 35.00       | \$ 8.19       | \$ 43.19    | \$ 604.66    |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE (ABOVE GRADE)           |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Type "L" Copper Pipe With Soldered Joints     |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 234 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe              | LF                                          | 1609                                | 10%      | 1770    | 0.154                  | \$ 70.00        | \$ 10.78       | \$ 11.39      | \$ 22.17    | \$ 39,238.68 |              |  |
|     |                                                                                   | 1" Thick Flexible Elastomeric Insulation      |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 235 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe              | LF                                          | 1609                                | 10%      | 1770    | 0.073                  | \$ 70.00        | \$ 5.11        | \$ 3.39       | \$ 8.50     | \$ 15,044.15 |              |  |
|     |                                                                                   | CONDENSATE DRAIN PIPE FITTINGS                |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | ELBOW                                         |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 236 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe 90 Deg Elbow | EA                                          | 269                                 | 0%       | 269     | 0.615                  | \$ 70.00        | \$ 43.05       | \$ 14.24      | \$ 57.29    | \$ 15,411.01 |              |  |
|     |                                                                                   | REDUCER                                       |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
| 237 |                                                                                   | 1-1/2" Dia Condensate Drain Pipe Tee          | EA                                          | 144                                 | 0%       | 144     | 0.500                  | \$ 70.00        | \$ 35.00       | \$ 8.19       | \$ 43.19    | \$ 6,219.36  |              |  |
|     |                                                                                   | GAS PIPE (BELOW GRADE)                        |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |
|     |                                                                                   | Schedule 40 Steel Pipe                        |                                             |                                     |          |         |                        |                 |                |               |             |              |              |  |

| SR # | Drawing # | Detail # | DESCRIPTION                                                                                                                                 | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST      |
|------|-----------|----------|---------------------------------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|--------------|--------------|---------------|
| 238  |           |          | 2" Dia Gas Pipe                                                                                                                             | LF   | 7        | 10%     | 8                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 25.97     | \$ 39.97     | \$ 307.77     |
|      |           |          | <b>GAS PIPE FITTINGS</b>                                                                                                                    |      |          |         |                        |                  |                |               |              |              |               |
|      |           |          | <b>ELBOW</b>                                                                                                                                |      |          |         |                        |                  |                |               |              |              |               |
| 239  |           |          | 2" Dia Gas Pipe 90 Deg Elbow                                                                                                                | EA   | 2        | 0%      | 2                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 73.93     | \$ 96.33     | \$ 192.66     |
|      |           |          | <b>GAS PIPE (ABOVE GRADE)</b>                                                                                                               |      |          |         |                        |                  |                |               |              |              |               |
|      |           |          | <b>Schedule 40 Steel Pipe</b>                                                                                                               |      |          |         |                        |                  |                |               |              |              |               |
| 240  |           |          | 3/4" Dia Gas Pipe                                                                                                                           | LF   | 256      | 10%     | 282                    | 0.113            | \$ 70.00       | \$ 791        | \$ 11.69     | \$ 19.60     | \$ 5,519.36   |
| 241  |           |          | 1" Dia Gas Pipe                                                                                                                             | LF   | 51       | 10%     | 56                     | 0.127            | \$ 70.00       | \$ 889        | \$ 13.74     | \$ 22.63     | \$ 1,269.54   |
| 242  |           |          | 1-1/4" Dia Gas Pipe                                                                                                                         | LF   | 139      | 10%     | 153                    | 0.138            | \$ 70.00       | \$ 966        | \$ 17.98     | \$ 27.64     | \$ 4,226.16   |
| 243  |           |          | 1-1/2" Dia Gas Pipe                                                                                                                         | LF   | 31       | 10%     | 34                     | 0.157            | \$ 70.00       | \$ 10.99      | \$ 20.98     | \$ 31.97     | \$ 1,090.18   |
| 244  |           |          | 2" Dia Gas Pipe                                                                                                                             | LF   | 39       | 10%     | 43                     | 0.200            | \$ 70.00       | \$ 14.00      | \$ 25.97     | \$ 39.97     | \$ 1,714.71   |
|      |           |          | <b>GAS PIPE FITTINGS</b>                                                                                                                    |      |          |         |                        |                  |                |               |              |              |               |
|      |           |          | <b>ELBOW</b>                                                                                                                                |      |          |         |                        |                  |                |               |              |              |               |
| 245  |           |          | 3/4" Dia Gas Pipe 90 Deg Elbow                                                                                                              | EA   | 7        | 0%      | 7                      | 0.160            | \$ 70.00       | \$ 11.20      | \$ 137.89    | \$ 149.09    | \$ 1,043.63   |
| 246  |           |          | 1" Dia Gas Pipe 90 Deg Elbow                                                                                                                | EA   | 4        | 0%      | 4                      | 0.160            | \$ 70.00       | \$ 11.20      | \$ 73.93     | \$ 85.13     | \$ 340.52     |
| 247  |           |          | 1-1/4" Dia Gas Pipe 90 Deg Elbow                                                                                                            | EA   | 4        | 0%      | 4                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 73.93     | \$ 87.93     | \$ 351.72     |
| 248  |           |          | 1-1/2" Dia Gas Pipe 90 Deg Elbow                                                                                                            | EA   | 2        | 0%      | 2                      | 0.242            | \$ 70.00       | \$ 16.94      | \$ 73.93     | \$ 90.87     | \$ 181.72     |
| 249  |           |          | 2" Dia Gas Pipe 90 Deg Elbow                                                                                                                | EA   | 2        | 0%      | 2                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 73.93     | \$ 96.33     | \$ 192.66     |
|      |           |          | <b>TEE</b>                                                                                                                                  |      |          |         |                        |                  |                |               |              |              |               |
| 250  |           |          | 1-1/4" Dia Gas Pipe Tee                                                                                                                     | EA   | 3        | 0%      | 3                      | 0.296            | \$ 70.00       | \$ 20.72      | \$ 113.89    | \$ 134.61    | \$ 403.83     |
| 251  |           |          | 1-1/4" / 3/4" Dia Gas Pipe Tee                                                                                                              | EA   | 1        | 0%      | 1                      | 0.211            | \$ 70.00       | \$ 14.77      | \$ 147.85    | \$ 162.62    | \$ 162.62     |
| 252  |           |          | 1-1/2" / 1" Dia Gas Pipe Tee                                                                                                                | EA   | 1        | 0%      | 1                      | 0.242            | \$ 70.00       | \$ 16.94      | \$ 113.89    | \$ 130.83    | \$ 130.83     |
| 253  |           |          | 2" Dia Gas Pipe Tee                                                                                                                         | EA   | 1        | 0%      | 1                      | 0.471            | \$ 70.00       | \$ 32.97      | \$ 113.89    | \$ 146.86    | \$ 146.86     |
|      |           |          | <b>REDUCER</b>                                                                                                                              |      |          |         |                        |                  |                |               |              |              |               |
| 254  |           |          | 1-1/4" / 3/4" Dia Gas Pipe Reducer                                                                                                          | EA   | 1        | 0%      | 1                      | 0.080            | \$ 70.00       | \$ 5.60       | \$ 42.46     | \$ 48.06     | \$ 48.06      |
| 255  |           |          | 1-1/4" / 1-1/2" Dia Gas Pipe Reducer                                                                                                        | EA   | 1        | 0%      | 1                      | 0.119            | \$ 70.00       | \$ 8.33       | \$ 59.44     | \$ 67.77     | \$ 67.77      |
| 256  |           |          | 1-1/2" / 1-1/4" Dia Gas Pipe Reducer                                                                                                        | EA   | 1        | 0%      | 1                      | 0.100            | \$ 70.00       | \$ 7.00       | \$ 54.45     | \$ 61.45     | \$ 61.45      |
| 257  |           |          | 2" / 1-1/2" Dia Gas Pipe Reducer                                                                                                            | EA   | 2        | 0%      | 2                      | 0.119            | \$ 70.00       | \$ 8.33       | \$ 59.44     | \$ 67.77     | \$ 135.54     |
|      |           |          | <b>PLUMBING FIXTURES</b>                                                                                                                    |      |          |         |                        |                  |                |               |              |              |               |
| 258  |           |          | WC-1: Water Closet, KOHLER K3099-0 K4774-0, Type: Flush Tank, M                                                                             | EA   | 105      | 0%      | 105                    | 2.980            | \$ 70.00       | \$ 208.60     | \$ 456.00    | \$ 664.60    | \$ 69,783.00  |
| 259  |           |          | WC-2: Water Closet, KOHLER K3099-0 K4774-0, Type: Flush Tank, M                                                                             | EA   | 11       | 0%      | 11                     | 2.980            | \$ 70.00       | \$ 208.60     | \$ 517.00    | \$ 725.00    | \$ 7,981.60   |
| 260  |           |          | L-1: Lavatory, AMERICAN STANDARD 0496.221.020, Type: Single                                                                                 | EA   | 103      | 0%      | 103                    | 2.230            | \$ 70.00       | \$ 156.10     | \$ 691.00    | \$ 847.10    | \$ 87,251.30  |
| 261  |           |          | L-2: Lavatory, AMERICAN STANDARD 0496.221.020, Type: Single                                                                                 | EA   | 9        | 0%      | 9                      | 2.230            | \$ 70.00       | \$ 156.10     | \$ 691.00    | \$ 847.10    | \$ 7,623.90   |
| 262  |           |          | L-3: Lavatory, AMERICAN STANDARD 9960.001, Type: Single Com                                                                                 | EA   | 4        | 0%      | 4                      | 2.230            | \$ 70.00       | \$ 156.10     | \$ 1,291.00  | \$ 1,447.10  | \$ 5,788.40   |
| 263  |           |          | SH-1: Shower, MINCY MARBLE SP-3162-C-SF, Faucet/Valve: AME                                                                                  | EA   | 95       | 0%      | 95                     | 4.900            | \$ 70.00       | \$ 343.00     | \$ 2,787.60  | \$ 3,130.60  | \$ 297,407.00 |
| 264  |           |          | SH-2: Shower, MINCY MARBLE SP-3162-C-SF, Material: ROLL IN                                                                                  | EA   | 2        | 0%      | 2                      | 4.900            | \$ 70.00       | \$ 343.00     | \$ 2,398.50  | \$ 2,741.50  | \$ 5,483.00   |
| 265  |           |          | UR: Urinal, KOHLER K-4904-ER-0, Type: Flush Valve, Material: VTR                                                                            | EA   | 2        | 0%      | 2                      | 1.900            | \$ 70.00       | \$ 133.00     | \$ 872.00    | \$ 1,005.00  | \$ 2,010.00   |
| 266  |           |          | BT-1: Bathtub Shower, KOHLER K-716-0(R) K-715-0(L), Type: PREF                                                                              | EA   | 8        | 0%      | 8                      | 3.890            | \$ 70.00       | \$ 272.30     | \$ 1,340.00  | \$ 1,612.30  | \$ 12,894.40  |
| 267  |           |          | BT-2: Bathtub Shower, KOHLER K-716-0(R) K-715-0(L), Type: PREF                                                                              | EA   | 5        | 0%      | 5                      | 3.890            | \$ 70.00       | \$ 272.30     | \$ 1,340.00  | \$ 1,612.30  | \$ 8,061.50   |
| 268  |           |          | S-1: Sink, ELKAY L R D2521 X 5-1/2", Type: Single Comp, Material:                                                                           | EA   | 1        | 0%      | 1                      | 2.250            | \$ 70.00       | \$ 157.50     | \$ 1,305.00  | \$ 1,462.50  | \$ 1,462.50   |
| 269  |           |          | SS-1: Service Sink, FIAT MSB 2424-10, Type: Single Comp, Style: 24"                                                                         | EA   | 2        | 0%      | 2                      | 2.560            | \$ 70.00       | \$ 179.20     | \$ 617.00    | \$ 796.20    | \$ 1,592.40   |
| 270  |           |          | EEW: Eye Wash, GUARDIAN B-1814, Type: Stainless Steel Bowl, Mo                                                                              | EA   | 1        | 0%      | 1                      | 2.120            | \$ 70.00       | \$ 148.40     | \$ 1,740.00  | \$ 1,888.40  | \$ 1,888.40   |
| 271  |           |          | 3" Dia FS: Floor Sink, J.R. SMITH 3150 WITH HALF GRATE, Type:                                                                               | EA   | 1        | 0%      | 1                      | 0.980            | \$ 70.00       | \$ 68.60      | \$ 815.00    | \$ 883.60    | \$ 883.60     |
| 272  |           |          | WB: Washer Wall Box, SPECIALITY PRODUCT S0B-351, Type: Bon                                                                                  | EA   | 2        | 0%      | 2                      | 0.750            | \$ 70.00       | \$ 52.50      | \$ 113.00    | \$ 165.50    | \$ 331.00     |
| 273  |           |          | 3/4" Dia Roof Hydrant ZURN Z1388                                                                                                            | EA   | 2        | 0%      | 2                      | 1.000            | \$ 70.00       | \$ 70.00      | \$ 1,587.00  | \$ 1,657.00  | \$ 3,314.00   |
| 274  |           |          | 1/2" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, Mat                                                                              | EA   | 3        | 0%      | 3                      | 0.550            | \$ 70.00       | \$ 38.50      | \$ 175.00    | \$ 213.50    | \$ 640.50     |
| 275  |           |          | 3/4" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, Mat                                                                              | EA   | 1        | 0%      | 1                      | 0.520            | \$ 70.00       | \$ 36.40      | \$ 133.00    | \$ 169.40    | \$ 169.40     |
| 276  |           |          | 1-1/2" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, M                                                                              | EA   | 1        | 0%      | 1                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 200.00    | \$ 245.50    | \$ 245.50     |
| 277  |           |          | 3" Dia FPHB: Hose Bibb, WOODFORD 25, Type: Freeze Proof, Mate                                                                               | EA   | 1        | 0%      | 1                      | 0.750            | \$ 70.00       | \$ 52.50      | \$ 225.00    | \$ 277.50    | \$ 277.50     |
| 278  |           |          | Dish Washer                                                                                                                                 | EA   | 1        | 0%      | 1                      | 2.100            | \$ 70.00       | \$ 147.00     | \$ 1,350.00  | \$ 1,497.00  | \$ 1,497.00   |
| 279  |           |          | Hand Sink                                                                                                                                   | EA   | 1        | 0%      | 1                      | 1.950            | \$ 70.00       | \$ 136.50     | \$ 1,250.00  | \$ 1,386.50  | \$ 1,386.50   |
| 280  |           |          | 3- Comp Sink                                                                                                                                | EA   | 1        | 0%      | 1                      | 3.120            | \$ 70.00       | \$ 218.40     | \$ 4,800.00  | \$ 5,098.40  | \$ 5,098.40   |
|      |           |          | Ice Machine                                                                                                                                 |      |          |         |                        |                  |                |               |              |              |               |
| 281  |           |          | 1. Contractor Shall Provide A Point Of Use Filtration By TRIPLE CLEAR FORCEFIELD.                                                           | EA   | 1        | 0%      | 1                      | 2.890            | \$ 70.00       | \$ 202.30     | \$ 4,367.00  | \$ 4,569.30  | \$ 4,569.30   |
| 282  |           |          | IMB: Ice Maker Box                                                                                                                          | EA   | 1        | 0%      | 1                      | 0.560            | \$ 70.00       | \$ 39.20      | \$ 256.00    | \$ 295.20    | \$ 295.20     |
| 283  |           |          | LT-1: Liner Screen                                                                                                                          | EA   | 1        | 0%      | 1                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 75.00     | \$ 97.40     | \$ 97.40      |
| 284  |           |          | Washer Dryer                                                                                                                                | EA   | 4        | 0%      | 4                      | 2.750            | \$ 70.00       | \$ 192.50     | \$ 1,257.00  | \$ 1,449.50  | \$ 5,798.00   |
| 285  |           |          | Dryer: 415MBH                                                                                                                               | EA   | 3        | 0%      | 3                      | 1.450            | \$ 70.00       | \$ 101.50     | \$ 980.00    | \$ 1,090.50  | \$ 3,271.50   |
| 286  |           |          | Pool / SPA Backwash Pn                                                                                                                      | EA   | 1        | 0%      | 1                      | 8.560            | \$ 70.00       | \$ 599.20     | \$ 15,945.00 | \$ 16,544.20 | \$ 16,544.20  |
|      |           |          | <b>GREASE INTERCEPTOR</b>                                                                                                                   |      |          |         |                        |                  |                |               |              |              |               |
| 287  |           |          | Grease Interceptor, 75 GPM Polyethylene, GB-75 4045-001-XXSCHIE                                                                             | EA   | 1        | 0%      | 1                      | 3.890            | \$ 70.00       | \$ 272.30     | \$ 4,047.00  | \$ 4,319.30  | \$ 4,319.30   |
|      |           |          | <b>WATER HYDRATION STATION</b>                                                                                                              |      |          |         |                        |                  |                |               |              |              |               |
| 288  |           |          | Hydration Station HAWS 20001, Contractor Shall Provide A Point Of U                                                                         | EA   | 1        | 0%      | 1                      | 3.120            | \$ 70.00       | \$ 218.40     | \$ 4,616.00  | \$ 4,834.40  | \$ 4,834.40   |
|      |           |          | <b>WATER HEATER</b>                                                                                                                         |      |          |         |                        |                  |                |               |              |              |               |
| 289  |           |          | IWH: Instantaneous Water Heater, EEMAX EX3208, Glass Lined, Tan                                                                             | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 300.00    | \$ 377.00    | \$ 377.00     |
| 290  |           |          | INS01, Intelli Tankless Water System                                                                                                        | EA   | 3        | 0%      | 3                      | 8.550            | \$ 70.00       | \$ 598.50     | \$ 33,598.00 | \$ 34,196.50 | \$ 102,589.50 |
|      |           |          | <b>WATER HEATER DETAIL</b>                                                                                                                  |      |          |         |                        |                  |                |               |              |              |               |
| 291  |           |          | Expansion Tank                                                                                                                              | EA   | 2        | 0%      | 2                      | 0.420            | \$ 70.00       | \$ 29.40      | \$ 89.00     | \$ 118.40    | \$ 236.80     |
| 292  |           |          | Temperature Sensor                                                                                                                          | EA   | 1        | 0%      | 1                      | 0.350            | \$ 70.00       | \$ 24.50      | \$ 125.00    | \$ 149.50    | \$ 149.50     |
| 293  |           |          | 1" Dia Isolation Valve, NIBCO INC., Type 2, Class 125, Bronze Angle                                                                         | EA   | 3        | 0%      | 3                      | 0.389            | \$ 70.00       | \$ 27.23      | \$ 75.00     | \$ 102.23    | \$ 306.69     |
| 294  |           |          | 1" Dia Water Hammer Arrestor                                                                                                                | EA   | 1        | 0%      | 1                      | 0.256            | \$ 70.00       | \$ 17.92      | \$ 76.00     | \$ 93.92     | \$ 93.92      |
| 294  |           |          | 1" Dia Recirculation Pump GRUNFOS UP S26-99                                                                                                 | EA   | 1        | 0%      | 1                      | 1.500            | \$ 70.00       | \$ 105.00     | \$ 885.00    | \$ 990.00    | \$ 990.00     |
| 295  |           |          | 1-1/4" Dia Recirculation Pump GRUNFOS UP S26-99                                                                                             | EA   | 1        | 0%      | 1                      | 1.500            | \$ 70.00       | \$ 105.00     | \$ 885.00    | \$ 990.00    | \$ 990.00     |
| 296  |           |          | 1-1/4" Dia Isolation Valve, NIBCO INC., Type 2, Class 125, Bronze A                                                                         | EA   | 5        | 0%      | 5                      | 0.425            | \$ 70.00       | \$ 29.75      | \$ 78.00     | \$ 107.75    | \$ 538.75     |
| 297  |           |          | 1-1/4" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                                                                           | EA   | 1        | 0%      | 1                      | 0.450            | \$ 70.00       | \$ 31.50      | \$ 125.00    | \$ 156.50    | \$ 156.50     |
| 298  |           |          | 1-1/4" Dia Pipe End Cap                                                                                                                     | EA   | 3        | 0%      | 3                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 9.00      | \$ 23.00     | \$ 69.00      |
| 299  |           |          | 3" Dia Isolation Valve, NIBCO INC., Type 2, Class 125, Bronze Angle                                                                         | EA   | 5        | 0%      | 5                      | 1.230            | \$ 70.00       | \$ 86.10      | \$ 956.00    | \$ 1,042.10  | \$ 5,210.50   |
| 300  |           |          | 3" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Horizon                                                                          | EA   | 3        | 0%      | 3                      | 1.560            | \$ 70.00       | \$ 109.20     | \$ 665.00    | \$ 774.20    | \$ 2,322.60   |
| 301  |           |          | Size Assumed 3/4" Dia Vacuum Relief Valve                                                                                                   | EA   | 3        | 0%      | 3                      | 0.220            | \$ 70.00       | \$ 15.40      | \$ 52.00     | \$ 67.40     | \$ 202.20     |
|      |           |          | <b>RECIRCULATION PUMP DETAIL</b>                                                                                                            |      |          |         |                        |                  |                |               |              |              |               |
| 302  |           |          | Thermometer                                                                                                                                 | EA   | 2        | 0%      | 2                      | 0.250            | \$ 70.00       | \$ 17.50      | \$ 54.00     | \$ 71.50     | \$ 143.00     |
| 303  |           |          | 1/2" Dia Pressure Gauge                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 65.00     | \$ 87.40     | \$ 174.80     |
| 304  |           |          | 1/2" Dia Ball Valve, NIBCO INC. Bronze Body                                                                                                 | EA   | 4        | 0%      | 4                      | 0.289            | \$ 70.00       | \$ 20.23      | \$ 38.00     | \$ 58.23     | \$ 232.92     |
| 305  |           |          | 1" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Horizontal Lift Check Valves: Bronze Body With Non-metallic Disc And Bronze Seat | EA   | 1        | 0%      | 1                      | 0.400            | \$ 70.00       | \$ 28.00      | \$ 105.00    | \$ 133.00    | \$ 133.00     |
| 306  |           |          | 1" Dia Gate Valve                                                                                                                           | EA   | 1        | 0%      | 1                      | 0.780            | \$ 70.00       | \$ 54.60      | \$ 302.00    | \$ 356.60    | \$ 356.60     |
| 307  |           |          | 1" Dia Globe Valve                                                                                                                          | EA   | 1        | 0%      | 1                      | 0.980            | \$ 70.00       | \$ 68.60      | \$ 358.00    | \$ 426.60    | \$ 426.60     |
| 308  |           |          | 1" Dia Union                                                                                                                                | EA   | 2        | 0%      | 2                      | 0.225            | \$ 70.00       | \$ 15.75      | \$ 12.50     | \$ 28.25     | \$ 56.50      |
| 309  |           |          | 1-1/4" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                                                                           | EA   | 1        | 0%      | 1                      | 0.450            | \$ 70.00       | \$ 31.50      | \$ 125.00    | \$ 156.50    | \$ 156.50     |
| 310  |           |          | 1-1/4" Dia Gate Valve                                                                                                                       | EA   | 1        | 0%      | 1                      | 0.780            | \$ 70.00       | \$ 54.60      | \$ 185.00    | \$ 239.60    | \$ 239.60     |
| 311  |           |          | 1-1/4" Dia Globe Valve                                                                                                                      | EA   | 1        | 0%      | 1                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 55.00     | \$ 77.40     | \$ 77.40      |
| 312  |           |          | 1-1/4" Dia Union                                                                                                                            | EA   | 2        | 0%      | 2                      | 0.256            | \$ 70.00       | \$ 17.92      | \$ 25.00     | \$ 42.92     | \$ 85.84      |
|      |           |          | <b>PUMP</b>                                                                                                                                 |      |          |         |                        |                  |                |               |              |              |               |
| 313  |           |          | Elevator Sump Pump, ZOELLER PUMP CO. MODEL 161, 115 Volt, 1/2 HP, 60HZ, Pump Capacity 100 GPM, 5ft Head                                     | EA   | 1        | 0%      | 1                      | 3.230            | \$ 70.00       | \$ 226.10     | \$ 3,513.60  | \$ 3,739.70  | \$ 3,739.70   |
| 314  |           |          | Domestic Booster Pump Shall Be Supplied By Contractor, Provide A Packagdg Booster Pump System, "ITT, BELL & GOSSETT",                       | EA   | 1        | 0%      | 1                      | 3.250            | \$ 70.00       | \$ 227.50     | \$ 3,042.00  | \$ 3,269.50  | \$ 3,269.50   |
| 315  |           |          | Recirculation Pump GRUNFOS UP S26-99                                                                                                        | EA   | 0        | 0%      | 0                      | 1.000            | \$ 70.00       | \$ 70.00      | \$ 472.80    | \$ 542.80    | \$ -          |
|      |           |          | <b>ELEVATOR SUM PUMP DETAIL</b>                                                                                                             |      |          |         |                        |                  |                |               |              |              |               |
| 316  |           |          | 1-1/2" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                                                                           | EA   | 1        | 0%      | 1                      | 0.680            | \$ 70.00       | \$ 47.60      | \$ 135.00    | \$ 182.60    | \$ 182.60</   |

| SR #                    | Drawing # | Detail #             | DESCRIPTION                                                                                                        | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHO UR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST   | UNIT COST   | SUB COST     |
|-------------------------|-----------|----------------------|--------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|-------------|-------------|--------------|
| 321                     |           |                      | ZOELLER "Oil Guard" System, 940-0006                                                                               | EA   | 1        | 0%      | 1                      | 1.900            | \$ 70.00       | \$ 133.00     | \$ 2,343.00 | \$ 2,476.00 | \$ 2,476.00  |
| 322                     |           |                      | 24"x24"x24" Sump Pump Pit, 24" Diameter, 36" Depth                                                                 | EA   | 1        | 0%      | 1                      | 0.250            | \$ 70.00       | \$ 17.50      | \$ 80.00    | \$ 97.50    | \$ 97.50     |
| 323                     |           |                      | MISCELLANEOUS                                                                                                      |      |          |         |                        |                  |                |               |             |             |              |
| 323                     |           |                      | 3/4" Dia Gas Cock Manufactured By NIBCO                                                                            | EA   | 2        | 0%      | 2                      | 0.185            | \$ 70.00       | \$ 12.95      | \$ 20.00    | \$ 32.95    | \$ 65.90     |
| 324                     |           |                      | 1-1/4" Dia Gas Cock Manufactured By NIBCO                                                                          | EA   | 3        | 0%      | 3                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 20.00    | \$ 42.00    | \$ 126.00    |
| 325                     |           |                      | 3/4" Dia Water Hammer Arrestor, SIOUX-CHIEF, Standard: ASSE 10                                                     | EA   | 220      | 0%      | 220                    | 0.220            | \$ 70.00       | \$ 15.40      | \$ 30.00    | \$ 45.40    | \$ 9,988.00  |
| 326                     |           |                      | 1" Dia Pipe End Cap                                                                                                | EA   | 1        | 0%      | 1                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 4.56     | \$ 18.56    | \$ 18.56     |
| 327                     |           |                      | 1-1/2" Dia Pipe End Cap                                                                                            | EA   | 1        | 0%      | 1                      | 0.200            | \$ 70.00       | \$ 14.00      | \$ 7.50     | \$ 21.50    | \$ 21.50     |
| 328                     |           |                      | 2" Dia Gas Service & Regulator Assembly Supplied By Gas Provider; T                                                | EA   | 1        | 0%      | 1                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ -        | \$ 62.30    | \$ 62.30     |
| 329                     |           |                      | 3" Dia Downstop Nozzle                                                                                             | EA   | 2        | 0%      | 2                      | 0.350            | \$ 70.00       | \$ 24.50      | \$ 225.00   | \$ 249.50   | \$ 499.00    |
| 330                     |           |                      | 6" Dia Downstop Nozzle                                                                                             | EA   | 5        | 0%      | 5                      | 0.550            | \$ 70.00       | \$ 38.50      | \$ 445.00   | \$ 483.50   | \$ 2,417.50  |
| 331                     |           |                      | 1-1/2" Dia Back Flow Preventer, AMES CO. Standard: ASSE 1013, Br                                                   | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 1,450.00 | \$ 1,527.00 | \$ 1,527.00  |
| 332                     |           |                      | 3" Dia VTR: Vent Through Roof                                                                                      | EA   | 26       | 0%      | 26                     | 0.650            | \$ 70.00       | \$ 45.50      | \$ 180.00   | \$ 225.50   | \$ 5,863.00  |
|                         |           | 3" Dia 2-Way CO main | CLEANOUTS & DRAINS                                                                                                 |      |          |         |                        |                  |                |               |             |             |              |
| 333                     |           |                      | 3" Dia FD: Floor Drain, J.R. SMITH 2010, Type: Square Top, Material:                                               | EA   | 19       | 0%      | 19                     | 0.725            | \$ 70.00       | \$ 50.75      | \$ 320.00   | \$ 370.75   | \$ 7,044.25  |
| 334                     |           |                      | 4" Dia FD: Floor Drain, J.R. SMITH 2010, Type: Square Top, Material:                                               | EA   | 1        | 0%      | 1                      | 0.850            | \$ 70.00       | \$ 59.50      | \$ 460.00   | \$ 519.50   | \$ 519.50    |
| 335                     |           |                      | 3" Dia RD: Roof Drain, J.R. SMITH 1015-G-U, Type: Dome Top, Mate                                                   | EA   | 2        | 0%      | 2                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 425.00   | \$ 487.30   | \$ 974.60    |
| 336                     |           |                      | 4" Dia RD: Roof Drain, J.R. SMITH 1015-G-U, Type: Dome Top, Mate                                                   | EA   | 2        | 0%      | 2                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 486.00   | \$ 548.30   | \$ 1,096.60  |
| 337                     |           |                      | 6" Dia RD: Roof Drain, J.R. SMITH 1015-G-U, Type: Dome Top, Mate                                                   | EA   | 5        | 0%      | 5                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 486.00   | \$ 548.30   | \$ 2,741.50  |
| 338                     |           |                      | 6" Dia FGD: Floor Clean-Out, J.R. SMITH 4040, Type: Square Top, M                                                  | EA   | 1        | 0%      | 1                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 385.00   | \$ 430.50   | \$ 430.50    |
| 339                     |           |                      | 10" Dia FGD: Floor Clean-Out, J.R. SMITH 4040, Type: Square Top, M                                                 | EA   | 1        | 0%      | 1                      | 0.850            | \$ 70.00       | \$ 59.50      | \$ 357.60   | \$ 417.10   | \$ 417.10    |
| 340                     |           |                      | 1-1/2" Dia WCO: Wall Clean-Out, J.R. SMITH 4472, Type: Round Cov                                                   | EA   | 13       | 0%      | 13                     | 0.450            | \$ 70.00       | \$ 31.50      | \$ 65.00    | \$ 96.50    | \$ 1,254.50  |
| 341                     |           |                      | 4" Dia WCO: Wall Clean-Out, J.R. SMITH 4472, Type: Round Cover,                                                    | EA   | 26       | 0%      | 26                     | 0.450            | \$ 70.00       | \$ 31.50      | \$ 75.00    | \$ 106.50   | \$ 2,769.00  |
| 342                     |           |                      | 3" Dia EORD, Emergency Overflow Roof Drain                                                                         | EA   | 2        | 0%      | 2                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 285.00   | \$ 330.50   | \$ 661.00    |
| 343                     |           |                      | 6" Dia EORD, Emergency Overflow Roof Drain                                                                         | EA   | 5        | 0%      | 5                      | 0.890            | \$ 70.00       | \$ 62.30      | \$ 508.00   | \$ 570.30   | \$ 2,851.50  |
| 344                     |           |                      | 4" Dia 2-Way Cleanout                                                                                              | EA   | 3        | 0%      | 3                      | 0.350            | \$ 70.00       | \$ 24.50      | \$ 80.00    | \$ 104.50   | \$ 313.50    |
| 345                     |           |                      | 6" Dia 2-Way Cleanout                                                                                              | EA   | 2        | 0%      | 2                      | 0.650            | \$ 70.00       | \$ 45.50      | \$ 165.00   | \$ 210.50   | \$ 421.00    |
| 346                     |           |                      | 4" Dia Trench Drain, W/ lint Screen (7'-6" Length)                                                                 | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 355.20   | \$ 432.20   | \$ 432.20    |
| 347                     |           |                      | 10" Dia 2-Way Cleanout                                                                                             | EA   | 1        | 0%      | 1                      | 1.100            | \$ 70.00       | \$ 77.00      | \$ 355.20   | \$ 432.20   | \$ 432.20    |
|                         |           |                      | VALVES                                                                                                             |      |          |         |                        |                  |                |               |             |             |              |
| 348                     |           |                      | 1" Dia Provide Dual Check Valve Backflow Preventer, WATTS SERIE                                                    | EA   | 1        | 0%      | 1                      | 0.689            | \$ 70.00       | \$ 48.23      | \$ 118.00   | \$ 166.23   | \$ 166.23    |
| 349                     |           |                      | 1/2" Dia Balancing Valve                                                                                           | EA   | 25       | 0%      | 25                     | 0.750            | \$ 70.00       | \$ 52.50      | \$ 135.00   | \$ 187.50   | \$ 4,687.50  |
| 350                     |           |                      | 1/2" Dia Ball Valve, NIBCO INC. Bronze Body                                                                        | EA   | 24       | 0%      | 24                     | 0.300            | \$ 70.00       | \$ 21.00      | \$ 28.00    | \$ 49.00    | \$ 1,176.00  |
| 351                     |           |                      | 3/4" Dia Ball Valve, NIBCO INC. Bronze Body                                                                        | EA   | 8        | 0%      | 8                      | 0.320            | \$ 70.00       | \$ 22.40      | \$ 35.00    | \$ 57.40    | \$ 459.20    |
| 352                     |           |                      | 1" Dia Ball Valve, NIBCO INC. Bronze Body                                                                          | EA   | 30       | 0%      | 30                     | 0.356            | \$ 70.00       | \$ 24.92      | \$ 38.00    | \$ 62.92    | \$ 1,887.60  |
| 353                     |           |                      | 1-1/4" Dia Ball Valve, NIBCO INC. Bronze Body                                                                      | EA   | 28       | 0%      | 28                     | 0.400            | \$ 70.00       | \$ 28.00      | \$ 85.00    | \$ 113.00   | \$ 3,164.00  |
| 354                     |           |                      | 1-1/2" Dia Ball Valve, NIBCO INC. Bronze Body                                                                      | EA   | 3        | 0%      | 3                      | 0.520            | \$ 70.00       | \$ 36.40      | \$ 115.00   | \$ 151.40   | \$ 454.20    |
| 355                     |           |                      | 3" Dia Shu Off Valve, NIBCO INC. Bronze Body                                                                       | EA   | 1        | 0%      | 1                      | 0.450            | \$ 70.00       | \$ 31.50      | \$ 250.00   | \$ 281.50   | \$ 281.50    |
| 356                     |           |                      | 1-1/4" Dia Check Valve, NIBCO INC., Type 2, Class 150, Bronze, Hx                                                  | EA   | 25       | 0%      | 25                     | 0.450            | \$ 70.00       | \$ 31.50      | \$ 125.00   | \$ 156.50   | \$ 3,912.50  |
|                         |           |                      | NO-HUB COUPLING                                                                                                    |      |          |         |                        |                  |                |               |             |             |              |
| 357                     |           |                      | 1-1/2" Dia                                                                                                         | EA   | 42       | 0%      | 42                     |                  |                |               |             |             |              |
| 358                     |           |                      | 2" Dia                                                                                                             | EA   | 1919     | 0%      | 1919                   |                  |                |               |             |             |              |
| 359                     |           |                      | 3" Dia                                                                                                             | EA   | 2936     | 0%      | 2936                   |                  |                |               |             |             |              |
| 360                     |           |                      | 4" Dia                                                                                                             | EA   | 678      | 0%      | 678                    |                  |                |               |             |             |              |
| 361                     |           |                      | 6" Dia                                                                                                             | EA   | 166      | 0%      | 166                    |                  |                |               |             |             |              |
| 362                     |           |                      | 8" Dia                                                                                                             | EA   | 4        | 0%      | 4                      |                  |                |               |             |             |              |
| 363                     |           |                      | 10" Dia                                                                                                            | EA   | 13       | 0%      | 13                     |                  |                |               |             |             |              |
|                         |           |                      | PIPE SUPPORT                                                                                                       |      |          |         |                        |                  |                |               |             |             |              |
| 364                     |           |                      | 1/2" Dia Adjustable Clevis Hanger                                                                                  | EA   | 1232     | 0%      | 1232                   |                  |                |               |             |             |              |
| 365                     |           |                      | 3/4" Dia Adjustable Clevis Hanger                                                                                  | EA   | 991      | 0%      | 991                    |                  |                |               |             |             |              |
| 366                     |           |                      | 1" Dia Adjustable Clevis Hanger                                                                                    | EA   | 388      | 0%      | 388                    |                  |                |               |             |             |              |
| 367                     |           |                      | 1-1/4" Dia Adjustable Clevis Hanger                                                                                | EA   | 118      | 0%      | 118                    |                  |                |               |             |             |              |
| 368                     |           |                      | 1-1/2" Dia Adjustable Clevis Hanger                                                                                | EA   | 306      | 0%      | 306                    |                  |                |               |             |             |              |
| 369                     |           |                      | 2" Dia Adjustable Clevis Hanger                                                                                    | EA   | 336      | 0%      | 336                    |                  |                |               |             |             |              |
| 370                     |           |                      | 2-1/2" Dia Adjustable Clevis Hanger                                                                                | EA   | 7        | 0%      | 7                      |                  |                |               |             |             |              |
| 371                     |           |                      | 3" Dia Adjustable Clevis Hanger                                                                                    | EA   | 422      | 0%      | 422                    |                  |                |               |             |             |              |
| 372                     |           |                      | 4" Dia Adjustable Clevis Hanger                                                                                    | EA   | 170      | 0%      | 170                    |                  |                |               |             |             |              |
| 373                     |           |                      | 6" Dia Adjustable Clevis Hanger                                                                                    | EA   | 32       | 0%      | 32                     |                  |                |               |             |             |              |
| 374                     |           |                      | 3/8" Dia Threaded Rod (1 Ea. = 1 FT)                                                                               | EA   | 3035     | 0%      | 3035                   | 0.040            | \$ 70.00       | \$ 2.80       | \$ 10.07    | \$ 12.87    | \$ 39,060.45 |
| 375                     |           |                      | 1/2" Dia Threaded Rod (1 Ea. = 1 FT)                                                                               | EA   | 935      | 0%      | 935                    | 0.057            | \$ 70.00       | \$ 3.99       | \$ 19.41    | \$ 23.40    | \$ 21,879.00 |
| 376                     |           |                      | 5/8" Dia Threaded Rod (1 Ea. = 1 FT)                                                                               | EA   | 32       | 0%      | 32                     | 0.080            | \$ 70.00       | \$ 5.60       | \$ 10.42    | \$ 16.02    | \$ 512.64    |
|                         |           |                      | TRENC HING & BACKFILLING                                                                                           |      |          |         |                        |                  |                |               |             |             |              |
| 377                     |           |                      | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Material/Equipment                     | CFT  | 4917     | 0%      | 4917                   | 0.080            | \$ 70.00       | \$ 5.60       | \$ -        | \$ 5.60     | \$ 27,335.20 |
| SUB TO TAL \$ 2,310,202 |           |                      |                                                                                                                    |      |          |         |                        |                  |                |               |             |             |              |
| HVAC                    |           |                      |                                                                                                                    |      |          |         |                        |                  |                |               |             |             |              |
|                         |           |                      | FLEXIBLE DUCT                                                                                                      |      |          |         |                        |                  |                |               |             |             |              |
| 378                     |           |                      | 4" Dia Flexible Duct                                                                                               | LF   | 964      | 10%     | 1062                   | 0.045            | \$ 72.00       | \$ 3.24       | \$ 1.67     | \$ 4.91     | \$ 5,314.58  |
| 379                     |           |                      | 6" Dia Flexible Duct                                                                                               | LF   | 939      | 10%     | 1033                   | 0.057            | \$ 72.00       | \$ 4.10       | \$ 2.66     | \$ 6.76     | \$ 6,998.54  |
| 380                     |           |                      | 8" Dia Flexible Duct                                                                                               | LF   | 113      | 10%     | 124                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 3.60     | \$ 9.36     | \$ 1,163.45  |
| 381                     |           |                      | 10" Dia Flexible Duct                                                                                              | LF   | 160      | 10%     | 176                    | 0.100            | \$ 72.00       | \$ 7.20       | \$ 5.10     | \$ 12.30    | \$ 2,164.80  |
|                         |           |                      | REFRIGERANT PIPE                                                                                                   |      |          |         |                        |                  |                |               |             |             |              |
|                         |           |                      | Type "ACR" Wrought Copper Pipe With Wrought Copper Fittings & Brazed Joints                                        |      |          |         |                        |                  |                |               |             |             |              |
| 382                     |           |                      | 3/8" Dia Refrigerant Liquid Pipe                                                                                   | LF   | 630      | 10%     | 693                    | 0.095            | \$ 72.00       | \$ 6.84       | \$ 2.97     | \$ 9.81     | \$ 6,795.20  |
| 383                     |           |                      | 5/8" Dia Refrigerant Suction Pipe                                                                                  | LF   | 630      | 10%     | 693                    | 0.100            | \$ 72.00       | \$ 7.20       | \$ 3.68     | \$ 10.88    | \$ 7,536.37  |
|                         |           |                      | 1" Thick Flexible Elastomeric Pipe Insulation                                                                      |      |          |         |                        |                  |                |               |             |             |              |
| 384                     |           |                      | 3/8" Dia Refrigerant Liquid Pipe                                                                                   | LF   | 630      | 10%     | 693                    | 0.025            | \$ 72.00       | \$ 1.80       | \$ 2.96     | \$ 4.76     | \$ 3,297.16  |
| 385                     |           |                      | 5/8" Dia Refrigerant Suction Pipe                                                                                  | LF   | 630      | 10%     | 693                    | 0.025            | \$ 72.00       | \$ 1.80       | \$ 3.02     | \$ 4.82     | \$ 3,338.72  |
|                         |           |                      | REFRIGERANT PIPE FITTINGS                                                                                          |      |          |         |                        |                  |                |               |             |             |              |
|                         |           |                      | ELBOW                                                                                                              |      |          |         |                        |                  |                |               |             |             |              |
| 386                     |           |                      | 3/8" Dia Refrigerant Liquid Pipe 90 Deg Elbow                                                                      | EA   | 16       | 0%      | 16                     | 0.410            | \$ 72.00       | \$ 29.52      | \$ 17.50    | \$ 47.02    | \$ 752.32    |
| 387                     |           |                      | 5/8" Dia Refrigerant Suction Pipe 90 Deg Elbow                                                                     | EA   | 16       | 0%      | 16                     | 0.421            | \$ 72.00       | \$ 30.31      | \$ 19.98    | \$ 50.29    | \$ 804.67    |
|                         |           |                      | CONDENSATE DRAIN PIPE                                                                                              |      |          |         |                        |                  |                |               |             |             |              |
|                         |           |                      | Type "L" Copper Pipe With Soldered Joints                                                                          |      |          |         |                        |                  |                |               |             |             |              |
| 388                     |           |                      | 3/4" Dia Condensate Drain                                                                                          | LF   | 168      | 10%     | 185                    | 0.105            | \$ 72.00       | \$ 7.56       | \$ 5.40     | \$ 12.96    | \$ 2,398.57  |
|                         |           |                      | 1" Thick Flexible Elastomeric Pipe Insulation                                                                      |      |          |         |                        |                  |                |               |             |             |              |
| 389                     |           |                      | 3/4" Dia Condensate Drain                                                                                          | LF   | 168      | 10%     | 185                    | 0.025            | \$ 72.00       | \$ 1.80       | \$ 3.12     | \$ 4.92     | \$ 910.57    |
|                         |           |                      | CONDENSATE DRAIN FITTINGS                                                                                          |      |          |         |                        |                  |                |               |             |             |              |
|                         |           |                      | ELBOW                                                                                                              |      |          |         |                        |                  |                |               |             |             |              |
| 390                     |           |                      | 3/4" Dia Condensate Drain 90 Deg Elbow                                                                             | EA   | 22       | 0%      | 22                     | 0.421            | \$ 72.00       | \$ 30.31      | \$ 8.98     | \$ 39.29    | \$ 864.42    |
|                         |           |                      | AIR DEVICES                                                                                                        |      |          |         |                        |                  |                |               |             |             |              |
| 391                     |           |                      | A: Supply, TITUS TDC, Module Size: 24"x24", Frame Type: LAY-IN,                                                    | EA   | 27       | 0%      | 27                     | 0.620            | \$ 72.00       | \$ 44.64      | \$ 198.45   | \$ 243.09   | \$ 6,563.43  |
| 392                     |           |                      | A: Supply, TITUS TDC, Module Size: 24"x24", Frame Type: LAY-IN,                                                    | EA   | 8        | 0%      | 8                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 206.85   | \$ 251.49   | \$ 2,011.92  |
| 393                     |           |                      | A: Supply, TITUS TDC, Module Size: 24"x24", Frame Type: LAY-IN,                                                    | EA   | 13       | 0%      | 13                     | 0.620            | \$ 72.00       | \$ 44.64      | \$ 200.00   | \$ 244.64   | \$ 3,180.32  |
| 394                     |           |                      | B: Supply, TITUS TDC, Module Size: 24"x24", Frame Type: Surface,                                                   | EA   | 19       | 0%      | 19                     | 0.620            | \$ 72.00       | \$ 44.64      | \$ 200.00   | \$ 244.64   | \$ 4,648.16  |
| 395                     |           |                      | B: Supply, TITUS TDC, Module Size: 24"x24", Frame Type: Surface,                                                   | EA   | 2        | 0%      | 2                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 198.45   | \$ 243.09   | \$ 486.18    |
| 396                     |           |                      | C: Supply, TITUS 300RS, Frame Type: Surface, Damper: YES, Materi                                                   | EA   | 110      | 0%      | 110                    | 0.550            | \$ 72.00       | \$ 39.60      | \$ 74.50    | \$ 114.10   | \$ 12,551.00 |
|                         |           |                      | D: Supply, TITUS TDB-10, Frame Type: Surface, Damper: YES, Material: Aluminum, Face Size: 4'-4", Neck Size: 6" Dia |      |          |         |                        |                  |                |               |             |             |              |
| 397                     |           |                      | Notes:<br>3. 6" Inlet - 1 Slot 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R  | EA   | 2        | 0%      | 2                      | 0.580            | \$ 72.00       | \$ 41.76      | \$ 212.75   | \$ 254.51   | \$ 509.02    |

| SR #         | Drawing #                                          | Detail #                           | DESCRIPTION                                                                                                                                                                                                                                                                           | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST      |  |
|--------------|----------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|--------------|--------------|---------------|--|
| 397          | M101, M102,<br>M103, M104,<br>M105, M106 &<br>M108 |                                    | D: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 5'-2", Neck Size: 8" Dia<br>Notes:<br>3. 6" Inlet - 1 Slots 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                          | EA   | 4        | 0%      | 4                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 219.50    | \$ 262.70    | \$ 1,050.80   |  |
| 398          |                                                    |                                    | D: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 5'-4", Neck Size: 8" Dia<br>Notes:<br>3. 6" Inlet - 1 Slots 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                          | EA   | 3        | 0%      | 3                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 219.50    | \$ 262.70    | \$ 788.10     |  |
| 399          |                                                    |                                    | E: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 4'-4", Neck Size: 8" Dia<br>Notes:<br>4. 8" Inlet - 1 Slot 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                           | EA   | 2        | 0%      | 2                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 219.50    | \$ 262.70    | \$ 525.40     |  |
| 400          |                                                    |                                    | F: Supply, TITUS TDBI-10, Frame Type: Surface, Damper: YES,<br>Material: Aluminum, Face Size: 5'-4", Neck Size: 10" Dia<br>Notes:<br>5. 10" Inlet - 2 Slots 1.5" Slot Width<br>6. Provide Remote Balancing Damper Equal To Potter Model RD-10R                                        | EA   | 11       | 0%      | 11                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 230.14    | \$ 273.34    | \$ 3,006.74   |  |
| 401          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 12"x12", H                                                                                                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 78.69     | \$ 121.89    | \$ 243.78     |  |
| 402          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 8"x8", Fram                                                                                                                                                                                                                    | EA   | 1        | 0%      | 1                      | 0.580            | \$ 72.00       | \$ 41.76      | \$ 75.50     | \$ 117.26    | \$ 117.26     |  |
| 403          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 15"x15", H                                                                                                                                                                                                                     | EA   | 1        | 0%      | 1                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 86.52     | \$ 131.16    | \$ 131.16     |  |
| 404          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 18"x18", H                                                                                                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 91.36     | \$ 136.00    | \$ 272.00     |  |
| 405          |                                                    |                                    | G: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 22"x22", H                                                                                                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 102.68    | \$ 149.48    | \$ 298.96     |  |
| 406          |                                                    |                                    | H: Return, TITUS PAR, Module Size: 24"x24", Neck Size: 22"x22", H                                                                                                                                                                                                                     | EA   | 1        | 0%      | 1                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 102.68    | \$ 149.48    | \$ 149.48     |  |
| 407          |                                                    |                                    | J: Exhaust, AMERICAN ALDES CSR-R-II, Frame Type: Surface, Dam                                                                                                                                                                                                                         | EA   | 110      | 0%      | 110                    | 0.650            | \$ 72.00       | \$ 46.80      | \$ 168.80    | \$ 215.60    | \$ 23,716.00  |  |
| 408          |                                                    |                                    | 12"x12" Exhaust Louver W/ Bird Screen, Ruskin's, ELF375DX                                                                                                                                                                                                                             | EA   | 14       | 0%      | 14                     | 0.625            | \$ 72.00       | \$ 45.00      | \$ 251.41    | \$ 296.41    | \$ 4,149.74   |  |
| 409          |                                                    |                                    | 40"x28" Combustion Air Louver                                                                                                                                                                                                                                                         | EA   | 1        | 0%      | 1                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 348.63    | \$ 409.83    | \$ 409.83     |  |
| 410          |                                                    |                                    | PAC KAGED THRU WALL UNIT<br>PTAC-1: Packaged Terminal Air Conditioner, AMANA PTC073K, Sup                                                                                                                                                                                             | EA   | 110      | 0%      | 110                    | 2.250            | \$ 72.00       | \$ 162.00     | \$ 1,243.00  | \$ 1,405.00  | \$ 154,550.00 |  |
| 411          |                                                    |                                    | SPLIT SYSTEM HEAT PUMP UNIT<br>AH-1/HP-1: TRANE GAMS B0B30, Total CFM: 1000, Min. OA CFM:                                                                                                                                                                                             | EA   | 1        | 0%      | 1                      | 3.850            | \$ 72.00       | \$ 277.20     | \$ 3,898.40  | \$ 4,175.60  | \$ 4,175.60   |  |
| 412          |                                                    |                                    | AH-2/HP-2: TRANE GAMS B0A18, Total CFM: 600, Min. OA CFM: 5                                                                                                                                                                                                                           | EA   | 1        | 0%      | 1                      | 3.725            | \$ 72.00       | \$ 268.20     | \$ 2,850.00  | \$ 3,118.20  | \$ 3,118.20   |  |
| 413          |                                                    |                                    | AH-3/HP-3: TRANE GAMS B0C42, Total CFM: 1400, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 3.885            | \$ 72.00       | \$ 279.72     | \$ 4,475.82  | \$ 4,755.54  | \$ 4,755.54   |  |
| 414          |                                                    |                                    | AH-4/HP-4: TRANE GAMS B0C60, Total CFM: 2000, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 4.125            | \$ 72.00       | \$ 297.00     | \$ 4,995.25  | \$ 5,292.25  | \$ 5,292.25   |  |
| 415          |                                                    |                                    | AH-5/HP-5: TRANE GAMS B0C48, Total CFM: 1600, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 4.000            | \$ 72.00       | \$ 288.00     | \$ 4,687.96  | \$ 4,975.96  | \$ 4,975.96   |  |
| 416          |                                                    |                                    | AH-6/HP-6: TRANE GAMS B0A24, Total CFM: 800, Min. OA CFM: 2                                                                                                                                                                                                                           | EA   | 1        | 0%      | 1                      | 3.850            | \$ 72.00       | \$ 277.20     | \$ 3,344.55  | \$ 3,621.75  | \$ 3,621.75   |  |
| 417          |                                                    |                                    | AH-7/HP-7: TRANE GAMS B0C24, Total CFM: 1400, Min. OA CFM:                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 3.885            | \$ 72.00       | \$ 279.72     | \$ 4,475.82  | \$ 4,755.54  | \$ 4,755.54   |  |
| 418          |                                                    |                                    | SPLIT SYSTEM HEAT PUMP UNIT DETAIL<br>14"x12" Flexible Duct Connection                                                                                                                                                                                                                | EA   | 7        | 0%      | 7                      | 0.355            | \$ 72.00       | \$ 25.56      | \$ 28.38     | \$ 53.94     | \$ 377.58     |  |
| 419          |                                                    | Size Assumed                       | 2" Dia P-Trap                                                                                                                                                                                                                                                                         | EA   | 7        | 0%      | 7                      | 0.450            | \$ 72.00       | \$ 32.40      | \$ 31.88     | \$ 64.28     | \$ 449.96     |  |
| 420          |                                                    |                                    | Volume Damper With Locking Quadrant                                                                                                                                                                                                                                                   | EA   | 7        | 0%      | 7                      | 0.620            | \$ 72.00       | \$ 44.64      | \$ 144.64    | \$ 189.28    | \$ 1,324.96   |  |
| 421          |                                                    |                                    | MINI SPLIT COOLING/HEAT PUMP UNIT<br>AH-8/CU-8: Air Handling Unit, MITSUBISHI PKA-A12HA7, NOM. T                                                                                                                                                                                      | EA   | 1        | 0%      | 1                      | 3.120            | \$ 72.00       | \$ 224.64     | \$ 2,825.32  | \$ 3,049.96  | \$ 3,049.96   |  |
| 422          |                                                    |                                    | ELECTRIC WALL HEATER<br>EWH-1: Electrical Wall Heater, QMARK, No Of Heaters: 3, Electrical                                                                                                                                                                                            | EA   | 3        | 0%      | 3                      | 1.450            | \$ 72.00       | \$ 104.40     | \$ 768.45    | \$ 872.85    | \$ 2,618.55   |  |
| 423          |                                                    |                                    | MAKEUP AIR UNIT<br>MAU-1: Make-up Air Unit, CAPTIVEAIRE CASRTU4-1309-24-40T-2                                                                                                                                                                                                         | EA   | 1        | 0%      | 1                      | 7.250            | \$ 72.00       | \$ 522.00     | \$ 23,200.00 | \$ 23,722.00 | \$ 23,722.00  |  |
| 424          |                                                    |                                    | MAU-2: Make-up Air Unit, CAPTIVEAIRE CASRTU4-1509-24-50T-2                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 8.500            | \$ 72.00       | \$ 612.00     | \$ 29,900.00 | \$ 30,512.00 | \$ 30,512.00  |  |
| 425          |                                                    |                                    | MAKEUP AIR UNIT DETAIL<br>2" Dia P-Trap With Cleanout                                                                                                                                                                                                                                 | EA   | 1        | 0%      | 1                      | 0.725            | \$ 72.00       | \$ 52.20      | \$ 89.67     | \$ 141.87    | \$ 141.87     |  |
| 426          |                                                    |                                    | 6" Reinforced Concrete Pad                                                                                                                                                                                                                                                            | EA   | 1        | 0%      | 1                      | 1.250            | \$ 72.00       | \$ 90.00      | \$ 378.52    | \$ 468.52    | \$ 468.52     |  |
| 427          |                                                    |                                    | VISB, ISOL, PAD                                                                                                                                                                                                                                                                       | EA   | 1        | 0%      | 1                      | 0.425            | \$ 72.00       | \$ 30.60      | \$ 68.44     | \$ 99.04     | \$ 99.04      |  |
| 428          |                                                    |                                    | FAN<br>EF-1: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 75, S.P.:                                                                                                                                                                                                                     | EA   | 2        | 0%      | 2                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 185.00    | \$ 246.20    | \$ 492.40     |  |
| 429          |                                                    | The Quantity Is<br>As Per The Plan | EF-2: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 100,<br>S.P. - 0.25, RPM: 1350, Type: Coiling, MIN. Motor HP & Voltage:<br>173 WATTS 120/140, Drive: Direct, Control Scheme: A<br>Notes:<br>1. Screen<br>2. Backdraft Damper<br>3. Speed Controller<br>4. Integral Disconnect Switch | EA   | 9        | 0%      | 9                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 185.00    | \$ 246.20    | \$ 2,215.80   |  |
| 430          |                                                    |                                    | EF-3: Exhaust Fan, GREENHECK MODEL SP-B150, CFM: 175, S.P.                                                                                                                                                                                                                            | EA   | 2        | 0%      | 2                      | 0.885            | \$ 72.00       | \$ 63.72      | \$ 205.00    | \$ 268.72    | \$ 537.44     |  |
| 431          |                                                    |                                    | EF-4: Exhaust Fan, GREENHECK MODEL SP-A250, CFM: 200, SP                                                                                                                                                                                                                              | EA   | 5        | 0%      | 5                      | 0.965            | \$ 72.00       | \$ 69.48      | \$ 405.60    | \$ 475.08    | \$ 2,375.40   |  |
| 432          |                                                    |                                    | EF-5: Exhaust Fan, GREENHECK MODEL G-065-VG, CFM: 210, S                                                                                                                                                                                                                              | EA   | 1        | 0%      | 1                      | 1.120            | \$ 72.00       | \$ 80.64      | \$ 678.00    | \$ 758.64    | \$ 758.64     |  |
| 433          |                                                    |                                    | EF-6: Exhaust Fan, GREENHECK MODEL G-060-VG, CFM: 105, S                                                                                                                                                                                                                              | EA   | 3        | 0%      | 3                      | 1.120            | \$ 72.00       | \$ 80.64      | \$ 638.40    | \$ 719.04    | \$ 2,157.12   |  |
| 434          |                                                    |                                    | EF-7: Exhaust Fan, GREENHECK MODEL G-075-VG, CFM: 350, S                                                                                                                                                                                                                              | EA   | 7        | 0%      | 7                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 749.02    | \$ 839.38    | \$ 5,875.66   |  |
| 435          |                                                    |                                    | EF-8: Exhaust Fan, GREENHECK MODEL G-070-VG, CFM: 280, S                                                                                                                                                                                                                              | EA   | 2        | 0%      | 2                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 709.22    | \$ 799.58    | \$ 1,599.16   |  |
| 436          |                                                    |                                    | EF-9: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 100, SP                                                                                                                                                                                                                              | EA   | 1        | 0%      | 1                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 289.53    | \$ 379.89    | \$ 379.89     |  |
| 437          |                                                    |                                    | EF-10: Exhaust Fan, GREENHECK MODEL SP-B110, CFM: 150, SP                                                                                                                                                                                                                             | EA   | 1        | 0%      | 1                      | 1.255            | \$ 72.00       | \$ 90.36      | \$ 298.53    | \$ 388.89    | \$ 388.89     |  |
| 438          |                                                    |                                    | DAMPERS<br>6" Dia Fire Smoke Damper                                                                                                                                                                                                                                                   | EA   | 112      | 0%      | 112                    | 0.585            | \$ 72.00       | \$ 42.12      | \$ 168.16    | \$ 210.28    | \$ 23,551.36  |  |
| 439          |                                                    |                                    | 18"x10" Fire Smoke Damper                                                                                                                                                                                                                                                             | EA   | 4        | 0%      | 4                      | 0.625            | \$ 72.00       | \$ 45.00      | \$ 132.48    | \$ 177.48    | \$ 709.92     |  |
| 440          |                                                    |                                    | 26"x8" Fire Smoke Damper                                                                                                                                                                                                                                                              | EA   | 4        | 0%      | 4                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 153.70    | \$ 200.50    | \$ 802.00     |  |
| 441          |                                                    |                                    | 26"x16" Fire Smoke Damper                                                                                                                                                                                                                                                             | EA   | 1        | 0%      | 1                      | 0.655            | \$ 72.00       | \$ 47.16      | \$ 168.52    | \$ 215.68    | \$ 215.68     |  |
| 442          |                                                    |                                    | 6" Dia Volume Damper                                                                                                                                                                                                                                                                  | EA   | 21       | 0%      | 21                     | 0.585            | \$ 72.00       | \$ 42.12      | \$ 84.57     | \$ 126.69    | \$ 2,660.49   |  |
| 443          |                                                    |                                    | 8" Dia Volume Damper                                                                                                                                                                                                                                                                  | EA   | 4        | 0%      | 4                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 96.10     | \$ 139.30    | \$ 557.20     |  |
| 444          |                                                    |                                    | 10" Dia Volume Damper                                                                                                                                                                                                                                                                 | EA   | 2        | 0%      | 2                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 102.91    | \$ 146.11    | \$ 292.22     |  |
| 445          |                                                    |                                    | 40"x28" Motorized Damper                                                                                                                                                                                                                                                              | EA   | 1        | 0%      | 1                      | 1.325            | \$ 72.00       | \$ 95.40      | \$ 997.61    | \$ 1,093.01  | \$ 1,093.01   |  |
| 446          |                                                    |                                    | DUCT WEIGHT<br>Galvanized Sheet Metal Duct                                                                                                                                                                                                                                            | LB   | 12985    | 10%     | 14284                  | 0.098            | \$ 72.00       | \$ 7.06       | \$ 0.98      | \$ 804       | \$ 114,782.21 |  |
| 447          |                                                    |                                    | DUCT INSULATION<br>1-1/2" Thick Mineral Fiber Blanket Insulation                                                                                                                                                                                                                      | SF   | 10952    | 10%     | 12047                  | 0.012            | \$ 72.00       | \$ 0.86       | \$ 1.15      | \$ 201       | \$ 24,263.06  |  |
| 448          |                                                    |                                    | MISCELLANEOUS<br>6" Dia Circular Clamp                                                                                                                                                                                                                                                | EA   | 8        | 0%      | 8                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 50.99     | \$ 76.19     | \$ 609.52     |  |
| 449          |                                                    |                                    | 8" Dia Circular Clamp                                                                                                                                                                                                                                                                 | EA   | 4        | 0%      | 4                      | 0.380            | \$ 72.00       | \$ 27.36      | \$ 62.25     | \$ 89.61     | \$ 358.44     |  |
| 450          |                                                    |                                    | 10" Dia Circular Clamp                                                                                                                                                                                                                                                                | EA   | 2        | 0%      | 2                      | 0.400            | \$ 72.00       | \$ 28.80      | \$ 59.60     | \$ 88.40     | \$ 176.80     |  |
| 451          |                                                    |                                    | Thermostat                                                                                                                                                                                                                                                                            | EA   | 7        | 0%      | 7                      | 0.685            | \$ 72.00       | \$ 49.32      | \$ 78.65     | \$ 127.97    | \$ 895.79     |  |
| 452          |                                                    |                                    | Duct Smoke Detector<br>PIPE SUPPORTS<br>3/8" Dia Adjustable Clevis Hanger                                                                                                                                                                                                             | EA   | 7        | 0%      | 7                      | 0.850            | \$ 72.00       | \$ 61.20      | \$ 184.59    | \$ 245.79    | \$ 1,720.53   |  |
| 453          |                                                    |                                    | 5/8" Dia Adjustable Clevis Hanger                                                                                                                                                                                                                                                     | EA   | 105      | 0%      | 105                    |                  |                |               |              |              |               |  |
| 454          |                                                    |                                    | 3/4" Dia Adjustable Clevis Hanger                                                                                                                                                                                                                                                     | EA   | 105      | 0%      | 105                    |                  |                |               |              |              |               |  |
| 455          |                                                    |                                    | 3/4" Dia Adjustable Clevis Hanger                                                                                                                                                                                                                                                     | EA   | 28       | 0%      | 28                     |                  |                |               |              |              |               |  |
| 456          |                                                    |                                    | 3/8" Dia Threaded Rod (1 Ea. = 1 FT)                                                                                                                                                                                                                                                  | EA   | 238      | 0%      | 238                    | 0.150            | \$ 72.00       | \$ 10.80      | \$ 11.85     | \$ 22.65     | \$ 5,390.70   |  |
| 457          |                                                    |                                    | DUCT SUPPORTS<br>3/8" Threaded Rod                                                                                                                                                                                                                                                    | EA   | 2538     | 0%      | 2538                   | 0.150            | \$ 72.00       | \$ 10.80      | \$ 11.85     | \$ 22.65     | \$ 57,485.70  |  |
| 458          |                                                    |                                    | 1" x 22 Ga. Smp                                                                                                                                                                                                                                                                       | EA   | 254      | 0%      | 254                    | 0.068            | \$ 72.00       | \$ 4.90       | \$ 4.98      | \$ 988       | \$ 2,508.50   |  |
| SUB TO TAL   |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              | \$ 609,999    |  |
| ELECTRICAL   |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| DISTRIBUTION |                                                    |                                    |                                                                                                                                                                                                                                                                                       |      |          |         |                        |                  |                |               |              |              |               |  |
| 459          |                                                    |                                    | CONDUIT<br>1-1/4" EMT Conduit                                                                                                                                                                                                                                                         | LF   | 246      | 10%     | 271                    | 0.080            | \$ 72.00       | \$ 5.76       | \$ 5.82      | \$ 11.58     | \$ 3,134.82   |  |
| 460          |                                                    |                                    | 2" EMT Conduit                                                                                                                                                                                                                                                                        | LF   | 1170     | 10%     | 1287                   | 0.100            | \$ 72.00       | \$ 7.20       | \$ 8.90      | \$ 16.10     | \$ 20,714.68  |  |
| 461          |                                                    |                                    | CONDUCTOR<br>#8 CU THHN/THWN                                                                                                                                                                                                                                                          | LF   | 246      | 10%     | 271                    | 0.010            | \$ 72.00       | \$ 0.72       | \$ 0.56      | \$ 1.28      | \$ 346.51     |  |
| 462          |                                                    |                                    | #6 CU THHN/THWN                                                                                                                                                                                                                                                                       | LF   | 674      | 10%     | 742                    | 0.012            | \$ 72.00       | \$ 0.86       | \$ 0.80      | \$ 1.66      | \$ 1,234.42   |  |
| 463          |                                                    |                                    | #2 CU THHN/THWN                                                                                                                                                                                                                                                                       | LF   | 1480     | 10%     | 1628                   | 0.180            | \$ 72.00       | \$ 12.96      | \$ 1.81      | \$ 14.77     | \$ 24,040.04  |  |

| SR # | Drawing # | Detail #                                                                                         | DESCRIPTION                                                                         | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST     |
|------|-----------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|---------------|--------------|--------------|--------------|
| 464  |           |                                                                                                  | #3/0 CU THHN/THWN                                                                   | LF   | 4679     | 10%     | 5147                   | 0.032           | \$ 72.00       | \$ 230        | \$ 474       | \$ 704       | \$ 36,251.97 |
|      |           |                                                                                                  | <b>LUGS</b>                                                                         |      |          |         |                        |                 |                |               |              |              |              |
| 465  |           |                                                                                                  | Compression Lug CU With 1-Hole , #8 CU Wire                                         | EA   | 4        | 0%      | 4                      | 0.222           | \$ 72.00       | \$ 15.98      | \$ 252       | \$ 18.50     | \$ 74.02     |
| 466  |           |                                                                                                  | Heat Shrink Tubing for #8 CU Wire                                                   | EA   | 4        | 0%      | 4                      | 0.150           | \$ 72.00       | \$ 10.80      | \$ 1.78      | \$ 12.58     | \$ 50.32     |
| 467  |           |                                                                                                  | Compression Lug CU With 1-Hole , #6 CU Wire                                         | EA   | 32       | 0%      | 32                     | 0.267           | \$ 72.00       | \$ 19.22      | \$ 230       | \$ 22.15     | \$ 708.93    |
| 468  |           |                                                                                                  | Heat Shrink Tubing for #6 CU Wire                                                   | EA   | 32       | 0%      | 32                     | 0.150           | \$ 72.00       | \$ 10.80      | \$ 2.22      | \$ 13.02     | \$ 416.64    |
| 469  |           |                                                                                                  | Compression Lug CU With 1-Hole , #2 CU Wire                                         | EA   | 42       | 0%      | 42                     | 0.333           | \$ 72.00       | \$ 23.98      | \$ 485       | \$ 28.83     | \$ 1,210.69  |
| 470  |           |                                                                                                  | Heat Shrink Tubing for #2 CU Wire                                                   | EA   | 42       | 0%      | 42                     | 0.150           | \$ 72.00       | \$ 10.80      | \$ 2.59      | \$ 13.39     | \$ 562.38    |
| 471  |           |                                                                                                  | Compression Lug CU With 1-Hole , #3/0 CU Wire                                       | EA   | 232      | 0%      | 232                    | 0.667           | \$ 72.00       | \$ 48.02      | \$ 993       | \$ 57.95     | \$ 13,445.33 |
| 472  |           |                                                                                                  | Heat Shrink Tubing for #3/0 CU Wire                                                 | EA   | 232      | 0%      | 232                    | 0.150           | \$ 72.00       | \$ 10.80      | \$ 3.12      | \$ 13.92     | \$ 3,229.44  |
|      |           |                                                                                                  | <b>CIRCUIT BREAKER</b>                                                              |      |          |         |                        |                 |                |               |              |              |              |
| 473  |           |                                                                                                  | 1P/20A Breaker                                                                      | EA   | 816      | 0%      | 816                    | 0.620           | \$ 72.00       | \$ 44.64      | \$ 62.53     | \$ 107.17    | \$ 87,450.72 |
| 474  |           |                                                                                                  | 1P/30A Breaker                                                                      | EA   | 3        | 0%      | 3                      | 0.620           | \$ 72.00       | \$ 44.64      | \$ 62.53     | \$ 107.17    | \$ 321.51    |
| 475  |           |                                                                                                  | 2P/15A Breaker                                                                      | EA   | 4        | 0%      | 4                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 703.24    |
| 476  |           |                                                                                                  | 2P/20A Breaker                                                                      | EA   | 123      | 0%      | 123                    | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 21,624.63 |
| 477  |           |                                                                                                  | 2P/30A Breaker                                                                      | EA   | 9        | 0%      | 9                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 1,582.29  |
| 478  |           |                                                                                                  | 2P/50A Breaker                                                                      | EA   | 2        | 0%      | 2                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 351.62    |
| 479  |           |                                                                                                  | 2P/60A Breaker                                                                      | EA   | 7        | 0%      | 7                      | 0.885           | \$ 72.00       | \$ 63.72      | \$ 112.09    | \$ 175.81    | \$ 1,230.67  |
| 480  |           |                                                                                                  | 3P/30A Breaker                                                                      | EA   | 3        | 0%      | 3                      | 1.125           | \$ 72.00       | \$ 81.00      | \$ 356.03    | \$ 437.03    | \$ 1,311.09  |
| 481  |           |                                                                                                  | 3P/60A Breaker                                                                      | EA   | 2        | 0%      | 2                      | 1.125           | \$ 72.00       | \$ 81.00      | \$ 356.03    | \$ 437.03    | \$ 874.06    |
| 482  |           |                                                                                                  | 3P/100A Breaker                                                                     | EA   | 6        | 0%      | 6                      | 1.550           | \$ 72.00       | \$ 111.60     | \$ 504.84    | \$ 616.44    | \$ 3,698.64  |
| 483  |           |                                                                                                  | 3P/100A MCB                                                                         | EA   | 1        | 0%      | 1                      | 1.580           | \$ 72.00       | \$ 113.76     | \$ 668.49    | \$ 782.25    | \$ 782.25    |
| 484  |           |                                                                                                  | 3P/200A Breaker                                                                     | EA   | 14       | 0%      | 14                     | 2.000           | \$ 72.00       | \$ 144.00     | \$ 1,194.35  | \$ 1,338.35  | \$ 18,736.90 |
| 485  |           |                                                                                                  | 3P/400A Breaker                                                                     | EA   | 5        | 0%      | 5                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 1,832.56  | \$ 2,057.20  | \$ 10,286.00 |
| 486  |           |                                                                                                  | 3P/3000A MCB                                                                        | EA   | 1        | 0%      | 1                      | 7.500           | \$ 72.00       | \$ 540.00     | \$ 27,500.00 | \$ 28,040.00 | \$ 28,040.00 |
|      |           |                                                                                                  | <b>PANEL</b>                                                                        |      |          |         |                        |                 |                |               |              |              |              |
| 487  |           | MSB has SPD is missing                                                                           | Main Distribution Panel MSB: 3000A, 120/208V, 3Ph, 4W, Main: MCB, 65 KAIC, 66 Poles | EA   | 1        | 0%      | 1                      | 18.000          | \$ 72.00       | \$ 1,296.00   | \$ 60,000.00 | \$ 61,296.00 | \$ 61,296.00 |
| 487  |           |                                                                                                  | Surge Protection Device, Modular Type, Integrally Mounted                           | EA   | 1        | 0%      | 1                      | 18.000          | \$ 72.00       | \$ 1,296.00   | \$ 60,000.00 | \$ 61,296.00 | \$ 61,296.00 |
| 488  |           |                                                                                                  | Panel 1A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 489  |           |                                                                                                  | Panel 1B: 400A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles,                    | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 490  |           |                                                                                                  | Panel 1C: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 491  |           |                                                                                                  | Panel 1D: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 492  |           |                                                                                                  | Panel 1E: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 493  |           |                                                                                                  | Panel 2A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 494  |           |                                                                                                  | Panel 2B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 495  |           |                                                                                                  | Panel 2C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 496  |           |                                                                                                  | Panel 2D: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 497  |           |                                                                                                  | Panel 2E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 498  |           |                                                                                                  | Panel 3A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 499  |           |                                                                                                  | Panel 3B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 500  |           |                                                                                                  | Panel 3C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 501  |           |                                                                                                  | Panel 3D: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 502  |           |                                                                                                  | Panel 3E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 503  |           |                                                                                                  | Panel 4A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 504  |           |                                                                                                  | Panel 4B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 505  |           |                                                                                                  | Panel 4C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,560.00  | \$ 4,784.64  | \$ 4,784.64  |
| 506  |           |                                                                                                  | Panel 4D: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 507  |           |                                                                                                  | Panel 4E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 508  |           |                                                                                                  | Panel 5A: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 509  |           |                                                                                                  | Panel 5B: 200A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 510  |           |                                                                                                  | Panel 5C: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 52 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 511  |           |                                                                                                  | Panel 5D: 400A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 512  |           |                                                                                                  | Panel 5E: 400A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 3.120           | \$ 72.00       | \$ 224.64     | \$ 4,240.00  | \$ 4,464.64  | \$ 4,464.64  |
| 513  |           |                                                                                                  | Panel EM: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                     | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 514  |           |                                                                                                  | Panel K: 200A, 120/208V, 3Ph, 4W, Main: MLO, 65 KAIC, 42 Poles                      | EA   | 1        | 0%      | 1                      | 2.450           | \$ 72.00       | \$ 176.40     | \$ 2,147.48  | \$ 2,323.88  | \$ 2,323.88  |
| 515  |           |                                                                                                  | Panel PL: 100A, 120/208V, 3Ph, 4W, Main: MCB, 22 KAIC, 30 Poles                     | EA   | 1        | 0%      | 1                      | 1.325           | \$ 72.00       | \$ 95.40      | \$ 1,877.56  | \$ 1,972.96  | \$ 1,972.96  |
| 516  |           |                                                                                                  | Panel SL: 100A, 120/208V, 3Ph, 4W, Main: MLO, 22 KAIC, 30 Poles                     | EA   | 1        | 0%      | 1                      | 1.325           | \$ 72.00       | \$ 95.40      | \$ 1,877.56  | \$ 1,972.96  | \$ 1,972.96  |
|      |           |                                                                                                  | <b>DEVICES</b>                                                                      |      |          |         |                        |                 |                |               |              |              |              |
| 517  |           |                                                                                                  | 3000A Utility Meter                                                                 | EA   | 1        | 0%      | 1                      | 2.550           | \$ 72.00       | \$ 183.60     | \$ 1,744.32  | \$ 1,927.92  | \$ 1,927.92  |
| 518  |           |                                                                                                  | 4P/200A ATS                                                                         | EA   | 1        | 0%      | 1                      | 3.450           | \$ 72.00       | \$ 246.40     | \$ 3,443.00  | \$ 3,689.40  | \$ 3,689.40  |
|      |           | (Interior DS NEMA 1, Exterior DS NEMA 3R, Ratings are mentioned on Plan, Fusible disconnects are | <b>DISCONNECT SWITCH</b>                                                            |      |          |         |                        |                 |                |               |              |              |              |
| 520  |           |                                                                                                  | 1P/20A Signage Disconnect Switch, NEMA 3R                                           | EA   | 3        | 0%      | 3                      | 0.785           | \$ 72.00       | \$ 56.52      | \$ 187.36    | \$ 243.88    | \$ 731.64    |
| 521  |           |                                                                                                  | 1P/30A Disconnect Switch, NEMA 1                                                    | EA   | 2        | 0%      | 2                      | 0.785           | \$ 72.00       | \$ 56.52      | \$ 187.36    | \$ 243.88    | \$ 487.76    |
| 522  |           |                                                                                                  | 2P/30AS15AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 2        | 0%      | 2                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 240.23    | \$ 320.87    | \$ 641.74    |
| 523  |           |                                                                                                  | 2P/30AS25AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 1        | 0%      | 1                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 212.42    | \$ 293.06    | \$ 293.06    |
| 524  |           |                                                                                                  | 2P/30AS30AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 2        | 0%      | 2                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 240.23    | \$ 320.87    | \$ 641.74    |
| 525  |           |                                                                                                  | 2P/60AS40AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 2        | 0%      | 2                      | 1.120           | \$ 72.00       | \$ 80.64      | \$ 212.42    | \$ 293.06    | \$ 586.12    |
| 524  |           |                                                                                                  | 2P/60AS50AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 1        | 0%      | 1                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 462.13    |
| 525  |           |                                                                                                  | 2P/60AS60AF Fused Disconnect Switch, NEMA 3R                                        | EA   | 8        | 0%      | 8                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 3,697.04  |
| 526  |           | Rating Assumed From Panel                                                                        | 3P/60A Disconnect Switch, NEMA 1                                                    | EA   | 5        | 0%      | 5                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 2,310.65  |
| 527  |           |                                                                                                  | 3P/100A Disconnect Switch, NEMA 1                                                   | EA   | 2        | 0%      | 2                      | 2.000           | \$ 72.00       | \$ 144.00     | \$ 318.13    | \$ 462.13    | \$ 924.26    |
| 527  |           |                                                                                                  | 3P/200AS200AF Fused Disconnect Switch, NEMA 3R                                      | EA   | 1        | 0%      | 1                      | 2.500           | \$ 72.00       | \$ 180.00     | \$ 586.58    | \$ 766.58    | \$ 766.58    |
| 528  |           |                                                                                                  | 3P/400AS225AF Fused Disconnect Switch, NEMA 3R                                      | EA   | 1        | 0%      | 1                      | 2.500           | \$ 72.00       | \$ 180.00     | \$ 586.58    | \$ 766.58    | \$ 766.58    |
|      |           |                                                                                                  | <b>GROUNDING</b>                                                                    |      |          |         |                        |                 |                |               |              |              |              |
| 529  |           | Grounding Rod of Generator and MSB is Missing                                                    | 3/4" x 10' CU Clad Ground Rod                                                       | EA   | 4        | 0%      | 4                      | 0.385           | \$ 72.00       | \$ 27.72      | \$ 48.78     | \$ 76.50     | \$ 306.00    |
| 530  |           |                                                                                                  | Ground Bus Bar                                                                      | EA   | 2        | 0%      | 2                      | 0.400           | \$ 72.00       | \$ 28.80      | \$ 52.75     | \$ 81.55     | \$ 163.10    |
| 531  |           |                                                                                                  | Ground Clamp                                                                        | EA   | 1        | 0%      | 1                      | 0.420           | \$ 72.00       | \$ 30.24      | \$ 18.71     | \$ 48.95     | \$ 48.95     |
| 532  |           |                                                                                                  | #6 CU Grounding Conductor                                                           | LF   | 30       | 10%     | 33                     | 0.044           | \$ 72.00       | \$ 3.17       | \$ 1.80      | \$ 4.77      | \$ 157.34    |

| SR # | Drawing #                                          | Detail #                                                   | DESCRIPTION                                                                                                          | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST | UNIT COST | SUB COST      |
|------|----------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|-----------------|----------------|---------------|-----------|-----------|---------------|
| 533  | E101, E102,<br>E103, E104,<br>E600, E601 &<br>E602 | Length Assumed                                             | #4 CU Grounding Conductor, Concrete Encased                                                                          | LF   | 20       | 10%     | 22                     | 0.050           | \$ 72.00       | \$ 360        | \$ 1.58   | \$ 518    | \$ 113.96     |
| 534  |                                                    |                                                            | #3/0 CU Grounding Conductor                                                                                          | LF   | 40       | 10%     | 44                     | 0.032           | \$ 72.00       | \$ 230        | \$ 4.75   | \$ 705    | \$ 310.38     |
|      |                                                    |                                                            | POWER                                                                                                                |      |          |         |                        |                 |                |               |           |           |               |
|      |                                                    |                                                            | CONDUIT                                                                                                              |      |          |         |                        |                 |                |               |           |           |               |
| 535  |                                                    |                                                            | 1/2" EMT Conduit                                                                                                     | LF   | 5500     | 10%     | 6050                   | 0.062           | \$ 72.00       | \$ 446        | \$ 2.07   | \$ 653    | \$ 39,530.70  |
| 535  |                                                    |                                                            | 3/4" EMT Conduit                                                                                                     | LF   | 83341    | 10%     | 91675                  | 0.062           | \$ 72.00       | \$ 446        | \$ 2.07   | \$ 653    | \$ 599,004.67 |
| 536  |                                                    |                                                            | 1" EMT Conduit                                                                                                       | LF   | 1488     | 10%     | 1648                   | 0.070           | \$ 72.00       | \$ 504        | \$ 3.54   | \$ 858    | \$ 14,138.12  |
| 537  |                                                    |                                                            | 2" EMT Conduit                                                                                                       | LF   | 466      | 10%     | 513                    | 0.100           | \$ 72.00       | \$ 720        | \$ 8.90   | \$ 16.10  | \$ 8,252.86   |
| 538  |                                                    |                                                            | 3" EMT Conduit                                                                                                       | LF   | 229      | 10%     | 252                    | 0.160           | \$ 72.00       | \$ 11.52      | \$ 14.43  | \$ 25.95  | \$ 6,532.81   |
| 539  |                                                    |                                                            | 3/4" PVC SCH 40 Conduit                                                                                              | LF   | 233      | 10%     | 256                    | 0.055           | \$ 72.00       | \$ 396        | \$ 2.20   | \$ 616    | \$ 1,578.81   |
| 540  |                                                    |                                                            | 3/4" RGS Conduit                                                                                                     | LF   | 362      | 10%     | 398                    | 0.100           | \$ 72.00       | \$ 720        | \$ 4.15   | \$ 11.35  | \$ 4,519.57   |
| 541  |                                                    |                                                            | 2" RGS Conduit                                                                                                       | LF   | 15       | 10%     | 17                     | 0.178           | \$ 72.00       | \$ 12.82      | \$ 13.40  | \$ 26.22  | \$ 432.56     |
| 542  |                                                    |                                                            | 3" RGS Conduit                                                                                                       | LF   | 5        | 10%     | 6                      | 0.320           | \$ 72.00       | \$ 23.04      | \$ 29.34  | \$ 52.38  | \$ 292.12     |
|      |                                                    |                                                            | CONDUCTOR                                                                                                            |      |          |         |                        |                 |                |               |           |           |               |
| 543  |                                                    |                                                            | 3#12 MC Cable                                                                                                        | LF   | 3814     | 10%     | 4196                   | 0.018           | \$ 72.00       | \$ 130        | \$ 1.28   | \$ 258    | \$ 10,807.97  |
| 544  |                                                    | Length Assumed                                             | #18 CU THHN/THWN                                                                                                     | LF   | 11000    | 10%     | 12100                  | 0.007           | \$ 72.00       | \$ 0.50       | \$ 0.25   | \$ 0.75   | \$ 9,123.40   |
| 545  |                                                    |                                                            | #12 CU THHN/THWN                                                                                                     | LF   | 229802   | 10%     | 252782                 | 0.007           | \$ 72.00       | \$ 0.50       | \$ 0.25   | \$ 0.75   | \$ 190,597.83 |
| 546  |                                                    |                                                            | #10 CU THHN/THWN                                                                                                     | LF   | 34789    | 10%     | 38268                  | 0.008           | \$ 72.00       | \$ 0.58       | \$ 0.37   | \$ 0.95   | \$ 36,201.43  |
| 547  |                                                    |                                                            | #8 CU THHN/THWN                                                                                                      | LF   | 4535     | 10%     | 4989                   | 0.010           | \$ 72.00       | \$ 0.72       | \$ 0.56   | \$ 1.28   | \$ 6,385.28   |
| 548  |                                                    |                                                            | #6 CU THHN/THWN                                                                                                      | LF   | 5132     | 10%     | 5645                   | 0.012           | \$ 72.00       | \$ 0.86       | \$ 0.80   | \$ 1.66   | \$ 9,399.61   |
| 549  |                                                    |                                                            | #4 CU THHN/THWN                                                                                                      | LF   | 234      | 10%     | 257                    | 0.015           | \$ 72.00       | \$ 1.08       | \$ 1.27   | \$ 2.35   | \$ 604.89     |
| 550  |                                                    |                                                            | #3 CU THHN/THWN                                                                                                      | LF   | 1244     | 10%     | 1368                   | 0.016           | \$ 72.00       | \$ 1.15       | \$ 1.81   | \$ 296    | \$ 4,053.20   |
| 551  |                                                    |                                                            | #3/0 CU THHN/THWN                                                                                                    | LF   | 680      | 10%     | 748                    | 0.032           | \$ 72.00       | \$ 2.30       | \$ 4.75   | \$ 7.05   | \$ 5,276.39   |
| 552  |                                                    |                                                            | #4/0 CU THHN/THWN                                                                                                    | LF   | 936      | 10%     | 1030                   | 0.036           | \$ 72.00       | \$ 2.59       | \$ 5.97   | \$ 8.56   | \$ 8,815.44   |
|      |                                                    | Emergency Shut<br>off control Switch in<br>Pool is missing | DEVICE                                                                                                               |      |          |         |                        |                 |                |               |           |           |               |
| 553  |                                                    |                                                            | 120V Motorized Fire Damper                                                                                           | EA   | 1        | 0%      | 1                      | 1.125           | \$ 72.00       | \$ 81.00      | \$ 716.10 | \$ 797.10 | \$ 797.10     |
| 554  |                                                    | Rating Assumed<br>From Panel                               | 20A Equipment Connection                                                                                             | EA   | 3        | 0%      | 3                      | 0.320           | \$ 72.00       | \$ 23.04      | \$ -      | \$ 23.04  | \$ 69.12      |
| 555  |                                                    |                                                            | 60A Equipment Connection                                                                                             | EA   | 1        | 0%      | 1                      | 0.320           | \$ 72.00       | \$ 23.04      | \$ -      | \$ 23.04  | \$ 23.04      |
| 556  |                                                    |                                                            | 20A Single Phase Motor Switch                                                                                        | EA   | 24       | 0%      | 24                     | 0.325           | \$ 72.00       | \$ 23.40      | \$ 28.49  | \$ 51.89  | \$ 1,238.16   |
| 557  |                                                    |                                                            | 30A Duplex Receptacle                                                                                                | EA   | 2        | 0%      | 2                      | 0.380           | \$ 72.00       | \$ 27.36      | \$ 45.56  | \$ 72.92  | \$ 145.84     |
| 558  |                                                    |                                                            | Duplex Receptacle, LEVITON 16352, Face Plate, 80401                                                                  | EA   | 933      | 0%      | 933                    | 0.350           | \$ 72.00       | \$ 25.20      | \$ 28.14  | \$ 53.34  | \$ 49,766.22  |
| 559  |                                                    |                                                            | Duplex Receptacle, Above Counter, LEVITON 16352, Face Plate, 80401                                                   | EA   | 2        | 0%      | 2                      | 0.350           | \$ 72.00       | \$ 25.20      | \$ 28.14  | \$ 53.34  | \$ 106.68     |
| 560  |                                                    |                                                            | Duplex Receptacle, Flush Floor Mounted With Chrome Cover Plate                                                       | EA   | 21       | 0%      | 21                     | 0.350           | \$ 72.00       | \$ 25.20      | \$ 64.99  | \$ 90.19  | \$ 1,893.99   |
| 561  |                                                    |                                                            | Duplex Receptacle, GFCI, LEVITON 16352, Face Plate, 80401                                                            | EA   | 243      | 0%      | 243                    | 0.350           | \$ 72.00       | \$ 25.20      | \$ 52.47  | \$ 77.67  | \$ 18,873.81  |
| 562  |                                                    |                                                            | Duplex Receptacle, GFCI, WP                                                                                          | EA   | 27       | 0%      | 27                     | 0.325           | \$ 72.00       | \$ 23.40      | \$ 47.86  | \$ 71.26  | \$ 1,924.02   |
| 563  |                                                    |                                                            | Duplex Receptacle, USB, LEGRAND ARTRUSB153M4                                                                         | EA   | 213      | 0%      | 213                    | 0.350           | \$ 72.00       | \$ 25.20      | \$ 61.53  | \$ 86.73  | \$ 18,473.49  |
| 564  |                                                    |                                                            | Emergency Shutoff Control Switch                                                                                     | EA   | 1        | 0%      | 1                      | 0.285           | \$ 72.00       | \$ 20.52      | \$ 15.50  | \$ 36.02  | \$ 36.02      |
| 565  |                                                    |                                                            | Quadplex Receptacle                                                                                                  | EA   | 87       | 0%      | 87                     | 0.420           | \$ 72.00       | \$ 30.24      | \$ 75.23  | \$ 105.47 | \$ 9,175.89   |
| 566  |                                                    |                                                            | Quadplex Receptacle, USB                                                                                             | EA   | 110      | 0%      | 110                    | 0.420           | \$ 72.00       | \$ 30.24      | \$ 80.12  | \$ 110.36 | \$ 12,139.60  |
| 567  |                                                    |                                                            | Single Phase Motor Switch                                                                                            | EA   | 2        | 0%      | 2                      | 0.325           | \$ 72.00       | \$ 23.40      | \$ 31.20  | \$ 54.60  | \$ 109.20     |
| 568  |                                                    | Provided By<br>Smartcon<br>Solutions                       | Smart RF Switch                                                                                                      | EA   | 110      | 0%      | 110                    | 0.320           | \$ 72.00       | \$ 23.04      | \$ -      | \$ 23.04  | \$ 2,534.40   |
| 569  |                                                    |                                                            | Thermostat, E528 ESERIES                                                                                             | EA   | 110      | 0%      | 110                    | 0.655           | \$ 72.00       | \$ 47.16      | \$ -      | \$ 47.16  | \$ 5,187.60   |
| 570  |                                                    |                                                            | Receptacle/Lighting Relay                                                                                            | EA   | 110      | 0%      | 110                    | 0.655           | \$ 72.00       | \$ 47.16      | \$ -      | \$ 47.16  | \$ 5,187.60   |
|      |                                                    |                                                            | 4" Sq Junction Box                                                                                                   | EA   | 110      | 0%      | 110                    | 0.655           | \$ 72.00       | \$ 47.16      | \$ -      | \$ 47.16  | \$ 5,187.60   |
|      |                                                    |                                                            | LIGHTING                                                                                                             |      |          |         |                        |                 |                |               |           |           |               |
|      |                                                    |                                                            | CONDUIT                                                                                                              |      |          |         |                        |                 |                |               |           |           |               |
| 571  |                                                    | Length Assumed                                             | 3/4" EMT Conduit                                                                                                     | LF   | 120      | 10%     | 132                    | 0.062           | \$ 72.00       | \$ 4.46       | \$ 2.07   | \$ 653    | \$ 862.49     |
| 572  |                                                    |                                                            | 3/4" EMT Conduit                                                                                                     | LF   | 35245    | 10%     | 38792                  | 0.062           | \$ 72.00       | \$ 4.46       | \$ 2.07   | \$ 653    | \$ 253,463.66 |
| 573  |                                                    |                                                            | 1" EMT Conduit                                                                                                       | LF   | 6114     | 10%     | 6726                   | 0.070           | \$ 72.00       | \$ 504        | \$ 3.54   | \$ 858    | \$ 57,705.91  |
| 574  |                                                    |                                                            | 3/4" RGS Conduit                                                                                                     | LF   | 167      | 10%     | 184                    | 0.100           | \$ 72.00       | \$ 7.20       | \$ 4.15   | \$ 11.35  | \$ 2,085.87   |
| 575  |                                                    |                                                            | 3/4" PVC SCH 40 Conduit                                                                                              | LF   | 87       | 10%     | 96                     | 0.055           | \$ 72.00       | \$ 3.96       | \$ 2.20   | \$ 616    | \$ 590.33     |
|      |                                                    |                                                            | CONDUCTOR                                                                                                            |      |          |         |                        |                 |                |               |           |           |               |
| 576  |                                                    | Length Assumed<br>& Provided By<br>Others                  | CAT5e Cable                                                                                                          | LF   | 300      | 10%     | 330                    | 0.028           | \$ 72.00       | \$ 2.02       | \$ -      | \$ 2.02   | \$ 665.28     |
| 577  |                                                    |                                                            | 3#12 MC Cable                                                                                                        | LF   | 6808     | 10%     | 7522                   | 0.018           | \$ 72.00       | \$ 130        | \$ 1.28   | \$ 258    | \$ 19,377.23  |
| 578  |                                                    |                                                            | #12 CU THHN/THWN                                                                                                     | LF   | 102090   | 10%     | 112299                 | 0.007           | \$ 72.00       | \$ 0.50       | \$ 0.25   | \$ 0.75   | \$ 84,673.45  |
| 579  |                                                    |                                                            | #10 CU THHN/THWN                                                                                                     | LF   | 4467     | 10%     | 4914                   | 0.008           | \$ 72.00       | \$ 0.58       | \$ 0.37   | \$ 0.95   | \$ 4,648.27   |
| 580  |                                                    |                                                            | #8 CU THHN/THWN                                                                                                      | LF   | 18343    | 10%     | 20177                  | 0.010           | \$ 72.00       | \$ 0.72       | \$ 0.56   | \$ 1.28   | \$ 25,826.42  |
| 581  |                                                    | Length Assumed                                             | #18 CU THHN/THWN                                                                                                     | LF   | 240      | 10%     | 264                    | 0.004           | \$ 72.00       | \$ 0.29       | \$ 0.16   | \$ 0.45   | \$ 118.27     |
|      |                                                    |                                                            | LIGHTING FIXTURES                                                                                                    |      |          |         |                        |                 |                |               |           |           |               |
| 582  |                                                    |                                                            | B01: 2' X 2' LED Lighting Fixture, COOPER-METALUX, 22CZ2-39-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 31W       | EA   | 62       | 0%      | 62                     | 0.775           | \$ 72.00       | \$ 55.80      | \$ 145.00 | \$ 200.80 | \$ 12,449.60  |
| 583  |                                                    |                                                            | B04: 2' X 2' LED Lighting Fixture, COOPER-METALUX, 22SR-LD2-29-C-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 234W | EA   | 14       | 0%      | 14                     | 0.775           | \$ 72.00       | \$ 55.80      | \$ 205.00 | \$ 260.80 | \$ 3,651.20   |
| 584  |                                                    |                                                            | B06: 4' X 4' Lighting Fixture, COOPER-METALUX, 24GR-LD5-72-F1-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 343W    | EA   | 11       | 0%      | 11                     | 1.406           | \$ 72.00       | \$ 101.25     | \$ 245.00 | \$ 346.25 | \$ 3,808.75   |
| 585  |                                                    |                                                            | B08: Cooper - Neo Ray, S124DR-S795D830-FSR3 F-1-U-DD-F-W<br>Mounting: Recessed<br>Watts: 26.2W                       | EA   | 110      | 0%      | 110                    | 0.725           | \$ 72.00       | \$ 52.20      | \$ 87.98  | \$ 140.18 | \$ 15,419.80  |
| 586  |                                                    |                                                            | B10: 2' X 4' Lighting Fixture, Cooper - Metalux, 24GR-LD5-48-F1-UNV-L835-CD1-U<br>Mounting: Recessed<br>Watts: 349W  | EA   | 6        | 0%      | 6                      | 1.406           | \$ 72.00       | \$ 101.25     | \$ 148.36 | \$ 249.61 | \$ 1,497.66   |
| 587  |                                                    |                                                            | D112:(02EA) Philips Lightolier, 407431748<br>Mounting: Pendant<br>Watts: 30W                                         | LF   | 8        | 0%      | 8                      | 0.350           | \$ 72.00       | \$ 25.20      | \$ 32.37  | \$ 57.57  | \$ 480.13     |
| 588  |                                                    |                                                            | D210: Challenger Lighting, CA-4800-00<br>Mounting: Recessed<br>Watts: 345W                                           | EA   | 3        | 0%      | 3                      | 0.725           | \$ 72.00       | \$ 52.20      | \$ 78.96  | \$ 131.16 | \$ 393.48     |
| 589  |                                                    |                                                            | D211: 6' Lighting Fixture, Challenger Lighting, CA4802-00-LED NETWORK ZONE-72"L<br>Mounting: Pendant<br>Watts: 40W   | EA   | 4        | 0%      | 4                      | 1.400           | \$ 72.00       | \$ 100.80     | \$ 196.52 | \$ 297.32 | \$ 1,189.28   |
| 590  |                                                    |                                                            | D306: Challenger Lighting, SA5124-00<br>Mounting: Sconce<br>Watts: 13W                                               | EA   | 63       | 0%      | 63                     | 1.206           | \$ 72.00       | \$ 86.85      | \$ 185.00 | \$ 271.85 | \$ 17,126.55  |
| 591  |                                                    |                                                            | Egress Light: LED Lighting Fixture, Cooper Surelite, SELW25BK<br>Mounting: Wall<br>Watts: 06W                        | EA   | 10       | 0%      | 10                     | 0.813           | \$ 72.00       | \$ 58.50      | \$ 88.83  | \$ 147.33 | \$ 1,473.30   |
| 592  |                                                    |                                                            | J05: 4' Lighting Fixture, Cooper - Metalux, 4WNLED-LD4-40SL-F-UNV-L835-CD1-U<br>Mounting: Surface<br>Watts: 30W      | EA   | 66       | 0%      | 66                     | 1.406           | \$ 72.00       | \$ 101.25     | \$ 146.78 | \$ 248.03 | \$ 16,369.98  |
| 593  |                                                    |                                                            | J06: (05EA) 12' Lighting Fixture, Cooper - Metalux, 4SNX-26SL-LW-UNV-L830-CD1-U<br>Mounting: Surface<br>Watts: 14W   | LF   | 60       | 0%      | 60                     | 0.281           | \$ 72.00       | \$ 20.25      | \$ 26.50  | \$ 46.75  | \$ 2,805.00   |

| SR #                 | Drawing # | Detail # | DESCRIPTION                                                                                                                     | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST | UNIT COST        | SUB COST            |
|----------------------|-----------|----------|---------------------------------------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|-----------|------------------|---------------------|
| 594                  |           |          | R72: LED Lighting Fixture, COOPER-HALO, HCR20D010-HM60525930-61MDH<br>Mounting: Recessed<br>Watts: 142W                         | EA   | 162      | 0%      | 162                    | 0.600            | \$ 72.00       | \$ 43.20      | \$ 78.33  | \$ 121.53        | \$ 19,687.86        |
| 595                  |           |          | R74: LED Lighting Fixture, COOPER-HALO, SL0405930WH<br>Mounting: Recessed<br>Watts: 12W                                         | EA   | 330      | 0%      | 330                    | 0.563            | \$ 72.00       | \$ 40.50      | \$ 83.40  | \$ 123.90        | \$ 40,887.00        |
| 596                  |           |          | R76: LED Lighting Fixture, COOPER-HALO, HL36A20930ED010ICAT-T1R45NFL25-TL3R2GMW<br>Mounting: Recessed<br>Watts: 89W             | EA   | 22       | 0%      | 22                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 187.47 | \$ 230.67        | \$ 5,074.74         |
| 597                  |           |          | R77: LED Lighting Fixture, COOPER-HALO, H2750ICAT-ML5606830-691WB<br>Mounting: Recessed<br>Watts: 9W                            | EA   | 110      | 0%      | 110                    | 0.563            | \$ 72.00       | \$ 40.50      | \$ 159.25 | \$ 199.75        | \$ 21,972.50        |
| 598                  |           |          | R82: LED Lighting Fixture, COOPER-HALO Lumiere, 340-6R15-D010-340-EUGB-1020-9030-6LBWL1-CC<br>Mounting: Recessed<br>Watts: 155W | EA   | 32       | 0%      | 32                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 52.98  | \$ 96.18         | \$ 3,077.76         |
| 599                  |           |          | R85: LED Lighting Fixture, COOPER-HALO, H4571CAT1E-EL406930-TLS408SNBB<br>Mounting: Recessed<br>Watts: 13W                      | EA   | 25       | 0%      | 25                     | 0.600            | \$ 72.00       | \$ 43.20      | \$ 85.51  | \$ 128.71        | \$ 3,217.75         |
| 600                  |           |          | R86: COOPER-HALO, ML4DM10LSFL9FSIE-TL43R2GMWWB<br>Mounting: Recessed<br>Watts: 12.8W                                            | EA   | 8        | 0%      | 8                      | 0.600            | \$ 72.00       | \$ 43.20      | \$ 57.45  | \$ 100.65        | \$ 805.20           |
| 601                  |           |          | R87: LED Lighting Fixture, COOPER-HALO, HC615D010-HM0525930-61MDH<br>Mounting: Recessed<br>Watts: 137W                          | EA   | 4        | 0%      | 4                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 96.29  | \$ 143.09        | \$ 572.36           |
| 602                  |           |          | R87ALT3: COOPER - Metalux, 4SWLED-LD4-48HL-LWUNV-L835-CD-SVPD1<br>Mounting: Surface<br>Watts: 433W                              | EA   | 20       | 0%      | 20                     | 1.406            | \$ 72.00       | \$ 101.25     | \$ 323.26 | \$ 424.51        | \$ 8,490.20         |
| 603                  |           |          | R102: LED Lighting Fixture, COOPER-HALO, ML4DM10LSFL9FSIE-TL40R2GMW<br>Mounting: Recessed<br>Watts: 9.4W                        | EA   | 110      | 0%      | 110                    | 0.600            | \$ 72.00       | \$ 43.20      | \$ 58.45  | \$ 101.65        | \$ 11,181.50        |
| 604                  |           |          | X01: COOPER - Surelite, CX71SD<br>Mounting: Wall<br>Watts: 1W                                                                   | EA   | 40       | 0%      | 40                     | 0.569            | \$ 72.00       | \$ 40.95      | \$ 287.50 | \$ 328.45        | \$ 13,138.00        |
| 605                  |           |          | X01-WP: Weatherproof Light Fixture, COOPER - SURELITE, CX71SD<br>Mounting: Wall<br>Watts: 1W                                    | EA   | 2        | 0%      | 2                      | 0.569            | \$ 72.00       | \$ 40.95      | \$ 313.50 | \$ 354.45        | \$ 708.90           |
| 606                  |           |          | X03: LED Lighting Fixture, COOPER SURELITE, SFL25SD<br>Mounting: Wall<br>Watts: 06W                                             | EA   | 117      | 0%      | 117                    | 0.688            | \$ 72.00       | \$ 49.50      | \$ 108.97 | \$ 158.47        | \$ 18,540.99        |
| 607                  |           |          | Z100 (3EA): LED Lighting Fixture, LEGRAND- PINNACLE LIGHTING, EV3D-A-840-20-FL-U-FSD-1-W<br>Mounting: Recessed<br>Watts: 41W    | LF   | 63       | 0%      | 63                     | 0.300            | \$ 72.00       | \$ 21.60      | \$ 22.25  | \$ 43.85         | \$ 2,774.83         |
| 608                  |           |          | Z71: LED Lighting Fixture, COOPER - HALO, HC610D010-HM60525840-61MDC<br>Mounting: Recessed<br>Watts: 10W                        | EA   | 5        | 0%      | 5                      | 0.606            | \$ 72.00       | \$ 43.65      | \$ 71.10  | \$ 114.75        | \$ 573.75           |
| 609                  |           |          | Z75: LED Lighting Fixture, COOPER - Shaper, 673-16-WP-L3/840-UNV-DP-2HTV-2VTB/PG-BC<br>Mounting: Surface<br>Watts: 20W          | EA   | 10       | 0%      | 10                     | 1.063            | \$ 72.00       | \$ 76.50      | \$ 78.11  | \$ 154.61        | \$ 1,546.10         |
| 606                  |           |          | 001: Sconce Light, SIGNIFY-STONCO, #VWXL14NW-G18 VGC100<br>Mounting: Wall                                                       | EA   | 4        |         |                        |                  |                |               |           |                  |                     |
| 610                  |           |          | 003: Under Water Pool Light, Provided by Pool Contractor<br>Mounting: Wall                                                      | EA   | 4        | 0%      | 4                      | 0.688            | \$ 72.00       | \$ 49.50      | \$ -      | \$ 49.50         | \$ 198.00           |
|                      |           |          | <b>LIGHTING CONTROL</b>                                                                                                         |      |          |         |                        |                  |                |               |           |                  |                     |
| 611                  |           |          | 125A, 3Ph, 4W QSD in Rail Panel, ALPD8B20BL4-GGGGBBBB                                                                           | EA   | 1        | 0%      | 1                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 575.00 | \$ 621.80        | \$ 621.80           |
| 612                  |           |          | 3 Button With Raise/Lower And Light Icon-Pico Keypad, PJ2-3BRL-GWH-L01                                                          | EA   | 4        | 0%      | 4                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ 22.45  | \$ 45.49         | \$ 181.96           |
| 613                  |           |          | 30A Multi-Pole Lighting Contactor                                                                                               | EA   | 1        | 0%      | 1                      | 0.655            | \$ 72.00       | \$ 47.16      | \$ 459.19 | \$ 506.35        | \$ 506.35           |
| 614                  |           |          | Dimmer With XCT Occupancy & Vacancy Sensor                                                                                      | EA   | 1        | 0%      | 1                      | 0.325            | \$ 72.00       | \$ 23.40      | \$ 48.76  | \$ 72.16         | \$ 72.16            |
| 615                  |           |          | Over Ride Switch                                                                                                                | EA   | 1        | 0%      | 1                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 52.39  | \$ 77.59         | \$ 77.59            |
| 615                  |           |          | Photoelectric Switch (Photocell)                                                                                                | EA   | 1        | 0%      | 1                      | 0.325            | \$ 72.00       | \$ 23.40      | \$ 28.99  | \$ 52.39         | \$ 52.39            |
| 616                  |           |          | Time Clock                                                                                                                      | EA   | 1        | 0%      | 1                      | 0.325            | \$ 72.00       | \$ 23.40      | \$ 28.99  | \$ 52.39         | \$ 52.39            |
| 617                  |           |          | Powerpack Dimming Module With 0-10V Control, RMJS-8TN-DV-B                                                                      | EA   | 4        | 0%      | 4                      | 0.585            | \$ 72.00       | \$ 42.12      | \$ 188.47 | \$ 230.59        | \$ 922.36           |
| 618                  |           |          | Seetouch QS Non Invert Button QW52-5BRLN-WH-G                                                                                   | EA   | 1        | 0%      | 1                      | 0.380            | \$ 72.00       | \$ 27.36      | \$ 266.46 | \$ 293.82        | \$ 293.82           |
| 619                  |           |          | Wireless Ceiling Occupancy Sensor, L892-OCB2-P-WH                                                                               | EA   | 4        | 0%      | 4                      | 0.400            | \$ 72.00       | \$ 28.80      | \$ 98.40  | \$ 127.20        | \$ 508.80           |
| 620                  |           |          | 3 Pole Master Switch Bank With Lighting Contactor, INNCOM #e528                                                                 | EA   | 70       | 0%      | 70                     | 0.525            | \$ 72.00       | \$ 37.80      | \$ 149.58 | \$ 187.38        | \$ 13,116.60        |
| 621                  |           |          | 4 Pole Master Switch Bank With Lighting Contactor, INNCOM #e528                                                                 | EA   | 40       | 0%      | 40                     | 0.580            | \$ 72.00       | \$ 41.76      | \$ 160.32 | \$ 202.08        | \$ 8,083.20         |
| 622                  |           |          | Keyed Switch                                                                                                                    | EA   | 1        | 0%      | 1                      | 0.320            | \$ 72.00       | \$ 23.04      | \$ 36.78  | \$ 59.82         | \$ 59.82            |
| 623                  |           |          | Occupancy Sensor, Ceiling Mounted, GREENGATE, OAC-DT-2000-R                                                                     | EA   | 4        | 0%      | 4                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 172.00 | \$ 197.20        | \$ 788.80           |
| 624                  |           |          | Occupancy Sensor, Wall Mounted, GREENGATE, OAC-DT-2000-R                                                                        | EA   | 52       | 0%      | 52                     | 0.320            | \$ 72.00       | \$ 23.04      | \$ 172.00 | \$ 195.04        | \$ 10,142.08        |
| 625                  |           |          | Single Pole Switch, DECORA DEVICES, 5601 SERIES                                                                                 | EA   | 300      | 0%      | 300                    | 0.320            | \$ 72.00       | \$ 23.04      | \$ 24.98  | \$ 48.02         | \$ 14,406.00        |
| 626                  |           |          | Three Way Switch                                                                                                                | EA   | 2        | 0%      | 2                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 28.63  | \$ 53.83         | \$ 107.66           |
| 627                  |           |          | S. Speaker                                                                                                                      | EA   | 7        | 0%      | 7                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 61.57  | \$ 86.77         | \$ 607.39           |
|                      |           |          | <b>MISCELLANEOUS</b>                                                                                                            |      |          |         |                        |                  |                |               |           |                  |                     |
| 628                  |           |          | Junction Box                                                                                                                    | EA   | 23       | 0%      | 23                     | 0.425            | \$ 72.00       | \$ 30.60      | \$ 65.00  | \$ 95.60         | \$ 2,198.80         |
| 629                  |           |          | Junction Box, Wall Mounted                                                                                                      | EA   | 290      | 0%      | 290                    | 0.425            | \$ 72.00       | \$ 30.60      | \$ 65.00  | \$ 95.60         | \$ 27,724.00        |
|                      |           |          | <b>SAW CUT</b>                                                                                                                  |      |          |         |                        |                  |                |               |           |                  |                     |
| 630                  |           |          | Saw Cut & Repair Concrete Floor For Conduit Installation                                                                        | LF   | 134      | 0%      | 134                    | 0.090            | \$ 72.00       | \$ 6.48       | \$ -      | \$ 6.48          | \$ 868.32           |
|                      |           |          |                                                                                                                                 |      |          |         |                        |                  |                |               |           | <b>SUB TOTAL</b> | <b>\$ 2,370,048</b> |
| <b>COMMUNICATION</b> |           |          |                                                                                                                                 |      |          |         |                        |                  |                |               |           |                  |                     |
|                      |           |          | <b>TELECOMMUNICATION</b>                                                                                                        |      |          |         |                        |                  |                |               |           |                  |                     |
|                      |           |          | <b>CONDUIT</b>                                                                                                                  |      |          |         |                        |                  |                |               |           |                  |                     |
| 631                  |           |          | 1" EMT Conduit Up to Ceiling                                                                                                    | LF   | 1065     | 10%     | 1172                   | 0.070            | \$ 72.00       | \$ 5.04       | \$ 3.54   | \$ 8.58          | \$ 10,051.47        |
| 632                  |           |          | 3" EMT Conduit With Pull String                                                                                                 | LF   | 34       | 10%     | 37                     | 0.160            | \$ 72.00       | \$ 11.52      | \$ 14.43  | \$ 25.95         | \$ 966.53           |
| 633                  |           |          | 4" EMT Conduit With Weatherhead                                                                                                 | LF   | 285      | 10%     | 313                    | 0.200            | \$ 72.00       | \$ 14.40      | \$ 19.56  | \$ 33.96         | \$ 10,642.72        |
| 634                  |           |          | 1" PVC SCH 40 Conduit                                                                                                           | LF   | 132      | 10%     | 145                    | 0.064            | \$ 72.00       | \$ 4.61       | \$ 3.55   | \$ 8.16          | \$ 1,184.54         |
| 635                  |           |          | 3" PVC SCH 40 Conduit With Pull String                                                                                          | LF   | 228      | 10%     | 251                    | 0.145            | \$ 72.00       | \$ 10.44      | \$ 12.52  | \$ 22.96         | \$ 5,754.33         |
| 636                  |           |          | 4" PVC SCH 40 Conduit With Pull String                                                                                          | LF   | 150      | 10%     | 165                    | 0.145            | \$ 72.00       | \$ 10.44      | \$ 12.52  | \$ 22.96         | \$ 3,788.40         |
|                      |           |          | <b>Length Assumed</b>                                                                                                           |      |          |         |                        |                  |                |               |           |                  |                     |
|                      |           |          | <b>CONDUCTOR</b>                                                                                                                |      |          |         |                        |                  |                |               |           |                  |                     |
|                      |           |          | <b>Length Assumed &amp; Provided By Others</b>                                                                                  |      |          |         |                        |                  |                |               |           |                  |                     |
| 637                  |           |          | CAT5e Cable                                                                                                                     | LF   | 30       | 10%     | 33                     | 0.026            | \$ 72.00       | \$ 1.87       | \$ -      | \$ 1.87          | \$ 61.78            |
| 638                  |           |          | CAT6 Cable                                                                                                                      | LF   | 67600    | 10%     | 74360                  | 0.026            | \$ 72.00       | \$ 1.87       | \$ 0.24   | \$ 2.12          | \$ 157,245.76       |
| 639                  |           |          | 2 Pair Residential Style Telephone Cable                                                                                        | LF   | 921      | 10%     | 1013                   | 0.026            | \$ 72.00       | \$ 1.87       | \$ 0.24   | \$ 2.12          | \$ 2,143.72         |
| 640                  |           |          | RG-58 Residential Style Coaxial Cable                                                                                           | LF   | 13001    | 10%     | 14301                  | 0.028            | \$ 72.00       | \$ 2.02       | \$ 0.42   | \$ 2.44          | \$ 34,837.48        |

| SR #                           | Drawing #                                                                                                                                           | Detail #                                   | DESCRIPTION                                                       | UNIT                       | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOUR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST     |              |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------|----------------------------|----------|---------|------------------------|-----------------|----------------|---------------|--------------|--------------|--------------|--------------|
|                                | E201, E202,<br>E203, E204 &<br>E205                                                                                                                 |                                            | <b>J-HOOKS</b>                                                    |                            |          |         |                        |                 |                |               |              |              |              |              |
| 641                            |                                                                                                                                                     |                                            | 2" J-Hooks                                                        | EA                         | 75       | 0%      | 75                     | 0.056           | \$ 72.00       | \$ 403        | \$ 357       | \$ 760       | \$ 567.87    |              |
|                                |                                                                                                                                                     |                                            | <b>DEVICES</b>                                                    |                            |          |         |                        |                 |                |               |              |              |              |              |
| 642                            |                                                                                                                                                     |                                            | Athena 1-Link Processor Panel With Integral POE Switch, QP5-1L-PO | EA                         | 1        | 0%      | 1                      | 0.625           | \$ 72.00       | \$ 45.00      | \$ 50.56     | \$ 95.56     | \$ 95.56     |              |
| 643                            |                                                                                                                                                     |                                            | 4x8x3/4" Plywood Back Board                                       | EA                         | 1        | 0%      | 1                      | 0.285           | \$ 72.00       | \$ 20.52      | \$ 42.78     | \$ 63.30     | \$ 63.30     |              |
| 644                            |                                                                                                                                                     |                                            | 4x8x3/4" Plywood CATV Back Board                                  | EA                         | 1        | 0%      | 1                      | 0.285           | \$ 72.00       | \$ 20.52      | \$ 46.49     | \$ 67.01     | \$ 67.01     |              |
| 645                            |                                                                                                                                                     |                                            | AThena 5" Touchscreen, Q-TOUCH5-WH                                | EA                         | 1        | 0%      | 1                      | 0.655           | \$ 72.00       | \$ 47.16      | \$ 378.96    | \$ 426.12    | \$ 426.12    |              |
| 646                            |                                                                                                                                                     |                                            | Data Outlet                                                       | EA                         | 220      | 0%      | 220                    | 0.220           | \$ 72.00       | \$ 15.84      | \$ 17.50     | \$ 33.34     | \$ 7,334.80  |              |
| 647                            |                                                                                                                                                     |                                            | RJ45 Connector                                                    | EA                         | 220      | 0%      | 220                    | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 347.60    |              |
| 648                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 220      | 0%      | 220                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 3,190.00  |              |
| 649                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 220      | 0%      | 220                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 3,456.20  |              |
| 650                            |                                                                                                                                                     |                                            | Tele/Data Outlet                                                  | EA                         | 134      | 0%      | 134                    | 0.220           | \$ 72.00       | \$ 15.84      | \$ 19.50     | \$ 35.34     | \$ 4,735.56  |              |
| 651                            |                                                                                                                                                     |                                            | RJ45 Connector                                                    | EA                         | 268      | 0%      | 268                    | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 423.44    |              |
| 652                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 134      | 0%      | 134                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 1,943.00  |              |
| 653                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 134      | 0%      | 134                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 2,105.14  |              |
| 654                            |                                                                                                                                                     |                                            | Tele/Data Outlet, Floor Mounted                                   | EA                         | 14       | 0%      | 14                     | 0.220           | \$ 72.00       | \$ 15.84      | \$ 57.00     | \$ 72.84     | \$ 1,019.76  |              |
| 655                            |                                                                                                                                                     |                                            | RJ45 Connector                                                    | EA                         | 28       | 0%      | 28                     | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 44.24     |              |
| 656                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 14       | 0%      | 14                     | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 203.00    |              |
| 657                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 14       | 0%      | 14                     | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 219.94    |              |
| 658                            |                                                                                                                                                     |                                            | Telephone Outlet                                                  | EA                         | 2        | 0%      | 2                      | 0.220           | \$ 72.00       | \$ 15.84      | \$ 19.50     | \$ 35.34     | \$ 70.68     |              |
| 659                            |                                                                                                                                                     |                                            | RJ45 Connector                                                    | EA                         | 2        | 0%      | 2                      | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 3.16      |              |
| 660                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 2        | 0%      | 2                      | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 29.00     |              |
| 661                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 2        | 0%      | 2                      | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 31.42     |              |
| 662                            |                                                                                                                                                     |                                            | Telephone Outlet, House Phones                                    | EA                         | 14       | 0%      | 14                     | 0.220           | \$ 72.00       | \$ 15.84      | \$ 19.50     | \$ 35.34     | \$ 494.76    |              |
| 663                            |                                                                                                                                                     |                                            | RJ45 Connector                                                    | EA                         | 14       | 0%      | 14                     | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 22.12     |              |
| 664                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 14       | 0%      | 14                     | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 203.00    |              |
| 665                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 14       | 0%      | 14                     | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 219.94    |              |
| 666                            |                                                                                                                                                     |                                            | TV Outlet                                                         | EA                         | 118      | 0%      | 118                    | 0.220           | \$ 72.00       | \$ 15.84      | \$ 17.50     | \$ 33.34     | \$ 3,934.12  |              |
| 667                            |                                                                                                                                                     |                                            | RG-58 Connector                                                   | EA                         | 118      | 0%      | 118                    | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 186.44    |              |
| 668                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 118      | 0%      | 118                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 1,711.00  |              |
| 669                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 118      | 0%      | 118                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 1,853.78  |              |
| 670                            |                                                                                                                                                     |                                            | TV Outlet, Floor Mounted                                          | EA                         | 11       | 0%      | 11                     | 0.220           | \$ 72.00       | \$ 15.84      | \$ 57.00     | \$ 72.84     | \$ 801.24    |              |
| 671                            |                                                                                                                                                     |                                            | RG-58 Connector                                                   | EA                         | 11       | 0%      | 11                     | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 17.38     |              |
| 672                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 11       | 0%      | 11                     | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 159.50    |              |
| 673                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 11       | 0%      | 11                     | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 172.81    |              |
| 674                            |                                                                                                                                                     |                                            | Wireless Access Point                                             | EA                         | 110      | 0%      | 110                    | 0.525           | \$ 72.00       | \$ 37.80      | \$ 156.78    | \$ 194.58    | \$ 21,403.80 |              |
| 675                            |                                                                                                                                                     |                                            | RJ45 Connector                                                    | EA                         | 110      | 0%      | 110                    | 0.005           | \$ 72.00       | \$ 0.36       | \$ 1.22      | \$ 1.58      | \$ 173.80    |              |
| 676                            |                                                                                                                                                     |                                            | Back Box                                                          | EA                         | 110      | 0%      | 110                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 8.74      | \$ 14.50     | \$ 1,595.00  |              |
| 677                            |                                                                                                                                                     |                                            | Faceplate                                                         | EA                         | 110      | 0%      | 110                    | 0.080           | \$ 72.00       | \$ 5.76       | \$ 9.95      | \$ 15.71     | \$ 1,728.10  |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>SECURITY</b>            |          |         |                        |                 |                |               |              |              |              |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>CONDUIT</b>             |          |         |                        |                 |                |               |              |              |              |              |
| 678                            |                                                                                                                                                     | Length Assumed                             | 1/2" EMT Conduit                                                  | LF                         | 5900     | 10%     | 6050                   | 0.047           | \$ 72.00       | \$ 3.38       | \$ 1.19      | \$ 457       | \$ 27,672.70 |              |
| 679                            |                                                                                                                                                     |                                            | 1/2" EMT Conduit                                                  | LF                         | 72       | 10%     | 79                     | 0.047           | \$ 72.00       | \$ 3.38       | \$ 1.19      | \$ 457       | \$ 362.26    |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>CONDUCTOR</b>           |          |         |                        |                 |                |               |              |              |              |              |
| 680                            |                                                                                                                                                     |                                            | Multi conductor Composite Cable                                   | LF                         | 940      | 10%     | 1035                   | 0.038           | \$ 72.00       | \$ 2.74       | \$ 0.78      | \$ 352       | \$ 3,637.40  |              |
| 681                            |                                                                                                                                                     | Length Assumed                             | #22 CU THHN/THWN                                                  | LF                         | 11000    | 10%     | 12100                  | 0.004           | \$ 72.00       | \$ 0.29       | \$ 0.16      | \$ 0.45      | \$ 5,420.80  |              |
| 682                            |                                                                                                                                                     | 2#22 L V Cable<br>For Door Strike          | #22 CU THHN/THWN                                                  | LF                         | 90       | 10%     | 99                     | 0.004           | \$ 72.00       | \$ 0.29       | \$ 0.16      | \$ 0.45      | \$ 44.35     |              |
| 683                            |                                                                                                                                                     |                                            | #18 CU THHN/THWN                                                  | LF                         | 54       | 10%     | 59                     | 0.004           | \$ 72.00       | \$ 0.29       | \$ 0.16      | \$ 0.45      | \$ 26.61     |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>DEVICES</b>             |          |         |                        |                 |                |               |              |              |              |              |
| 684                            |                                                                                                                                                     |                                            | Door Strike, VINGCARD FLEX                                        | EA                         | 9        | 0%      | 9                      | 1.200           | \$ 72.00       | \$ 86.40      | \$ 525.00    | \$ 611.40    | \$ 5,502.60  |              |
| 685                            |                                                                                                                                                     |                                            | Magnetic Door Contact, S241                                       | EA                         | 9        | 0%      | 9                      | 0.350           | \$ 72.00       | \$ 25.20      | \$ 31.76     | \$ 56.96     | \$ 512.64    |              |
| 686                            |                                                                                                                                                     |                                            | Card Reader, Wall Mounted                                         | EA                         | 9        | 0%      | 9                      | 0.500           | \$ 72.00       | \$ 36.00      | \$ 78.75     | \$ 114.75    | \$ 1,032.75  |              |
| 687                            |                                                                                                                                                     | Supplied By<br>Smartcon<br>Solutions       | Door Contact Switch                                               | EA                         | 110      | 0%      | 110                    | 0.500           | \$ 72.00       | \$ 36.00      | \$ 78.75     | \$ 114.75    | \$ 12,622.50 |              |
| 688                            |                                                                                                                                                     |                                            | Optional Door Contact                                             | EA                         | 110      | 0%      | 110                    | 0.500           | \$ 72.00       | \$ 36.00      | \$ 78.75     | \$ 114.75    | \$ 12,622.50 |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>AUDIO/VISUAL SYSTEM</b> |          |         |                        |                 |                |               |              |              |              |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>DEVICES</b>             |          |         |                        |                 |                |               |              |              |              |              |
| 689                            |                                                                                                                                                     |                                            | Amplifier/Battery Cabinet                                         | EA                         | 1        | 0%      | 1                      | 0.850           | \$ 72.00       | \$ 61.20      | \$ 880.24    | \$ 941.44    | \$ 941.44    |              |
| 690                            |                                                                                                                                                     | Area of Refuge on E                        | Area Station                                                      | EA                         | 5        | 0%      | 5                      | 2.980           | \$ 72.00       | \$ 214.56     | \$ 7,050.00  | \$ 7,264.56  | \$ 36,322.80 |              |
| 691                            |                                                                                                                                                     |                                            | Master Station                                                    | EA                         | 1        | 0%      | 1                      | 3.885           | \$ 72.00       | \$ 279.72     | \$ 14,000.00 | \$ 14,279.72 | \$ 14,279.72 |              |
| 692                            |                                                                                                                                                     |                                            | Relay Card Cabinet                                                | EA                         | 1        | 0%      | 1                      | 0.720           | \$ 72.00       | \$ 51.84      | \$ 322.54    | \$ 374.38    | \$ 374.38    |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>MISCELLANEOUS</b>       |          |         |                        |                 |                |               |              |              |              |              |
| 693                            |                                                                                                                                                     | Card Reader<br>Single Gang<br>Junction Box | 8"x8"x8" Junction Box                                             | EA                         | 9        | 0%      | 9                      | 0.625           | \$ 72.00       | \$ 45.00      | \$ 58.13     | \$ 103.13    | \$ 928.17    |              |
| SUB TO TAL \$ 410,134          |                                                                                                                                                     |                                            |                                                                   |                            |          |         |                        |                 |                |               |              |              |              |              |
| ELECTRONIC SAFETY AND SECURITY |                                                                                                                                                     |                                            |                                                                   |                            |          |         |                        |                 |                |               |              |              |              |              |
|                                |                                                                                                                                                     | E206                                       |                                                                   | <b>FIRE ALARM</b>          |          |         |                        |                 |                |               |              |              |              |              |
|                                |                                                                                                                                                     |                                            |                                                                   | <b>CONDUIT</b>             |          |         |                        |                 |                |               |              |              |              |              |
| 694                            |                                                                                                                                                     |                                            |                                                                   | 3/4" EMT Conduit           | LF       | 9441    | 10%                    | 10385           | 0.062          | \$ 72.00      | \$ 4.46      | \$ 207       | \$ 653       | \$ 67,857.39 |
|                                |                                                                                                                                                     |                                            | <b>CONDUCTOR</b>                                                  |                            |          |         |                        |                 |                |               |              |              |              |              |
| 695                            | Plenum Rated                                                                                                                                        |                                            | #16 CU THHN/T HWN, Plenum Rated                                   | LF                         | 10678    | 10%     | 11745                  | 0.005           | \$ 72.00       | \$ 0.36       | \$ 0.22      | \$ 0.58      | \$ 6,812.30  |              |
| 696                            | Sounder Base<br>Smoke Detectors<br>In ADA Rooms,<br>Smoke Detectors<br>shall have 177Cd<br>Strobe                                                   |                                            | #14 CU THHN/T HWN, Plenum Rated                                   | LF                         | 8204     | 10%     | 9024                   | 0.006           | \$ 72.00       | \$ 0.43       | \$ 0.28      | \$ 0.71      | \$ 6,425.17  |              |
|                                |                                                                                                                                                     |                                            | <b>DEVICES</b>                                                    |                            |          |         |                        |                 |                |               |              |              |              |              |
| 697                            | FA System<br>Hearing Impaired<br>Notification system                                                                                                |                                            | Fire Alarm Annunciator Panel                                      | EA                         | 1        | 0%      | 1                      | 2.150           | \$ 72.00       | \$ 154.80     | \$ 1,250.00  | \$ 1,404.80  | \$ 1,404.80  |              |
| 698                            | FA System is<br>Addressable                                                                                                                         |                                            | Fire Alarm Door Annunciator, Edwards 7005-G5                      | EA                         | 7        | 0%      | 7                      | 0.725           | \$ 72.00       | \$ 52.20      | \$ 178.84    | \$ 231.04    | \$ 1,617.28  |              |
| 699                            |                                                                                                                                                     |                                            | 24V DC, Power Limited, Addressable Fire Alarm Control Panel       | EA                         | 1        | 0%      | 1                      | 1.550           | \$ 72.00       | \$ 111.60     | \$ 528.36    | \$ 639.96    | \$ 639.96    |              |
|                                | separate Wall<br>mounted and flush<br>Mounted Door<br>Holders<br>Manufacturer:<br>EDWARDS, 1504<br>Series (wall<br>Mounted) 1501<br>(Flush Mounted) |                                            | Fire Alarm Door Holder, EDWARDS 1504 Series, Wall Mounted         | EA                         | 10       | 0%      | 10                     | 0.500           | \$ 72.00       | \$ 36.00      | \$ 88.76     | \$ 124.76    | \$ 1,247.60  |              |
|                                | separate Wall<br>mounted and flush<br>Mounted Door<br>Holders<br>Manufacturer:<br>EDWARDS, 1504<br>Series (wall<br>Mounted) 1501<br>(Flush Mounted) |                                            | Fire Alarm Door Holder, EDWARDS 1501 Series, Flush Mounted        | EA                         | 2        | 0%      | 2                      | 0.500           | \$ 72.00       | \$ 36.00      | \$ 88.76     | \$ 124.76    | \$ 249.52    |              |
| 701                            |                                                                                                                                                     |                                            | Fire Alarm Duct Smoke Detector                                    | EA                         | 2        | 0%      | 2                      | 0.650           | \$ 72.00       | \$ 46.80      | \$ 178.59    | \$ 225.39    | \$ 450.78    |              |
| 702                            |                                                                                                                                                     |                                            | Fire Alarm Fire Smoke Damper                                      | EA                         | 125      | 0%      | 125                    | 0.890           | \$ 72.00       | \$ 64.08      | \$ 725.00    | \$ 789.08    | \$ 98,635.00 |              |
| 703                            |                                                                                                                                                     |                                            | Fire Alarm Flow Switch                                            | EA                         | 10       | 0%      | 10                     | 0.480           | \$ 72.00       | \$ 34.56      | \$ 168.73    | \$ 203.29    | \$ 2,032.90  |              |
| 704                            |                                                                                                                                                     |                                            | Fire Alarm Heat Detector                                          | EA                         | 4        | 0%      | 4                      | 0.350           | \$ 72.00       | \$ 25.20      | \$ 48.65     | \$ 73.85     | \$ 295.40    |              |
| 705                            |                                                                                                                                                     |                                            | Fire Alarm Horn Strobe, 110CD                                     | EA                         | 2        | 0%      | 2                      | 0.650           | \$ 72.00       | \$ 46.80      | \$ 204.96    | \$ 251.76    | \$ 503.52    |              |
| 706                            |                                                                                                                                                     |                                            | Fire Alarm Horn Strobe, 30CD                                      | EA                         | 58       | 0%      | 58                     | 0.550           | \$ 72.00       | \$ 39.60      | \$ 145.00    | \$ 184.60    | \$ 10,706.80 |              |
| 707                            |                                                                                                                                                     |                                            | Fire Alarm Horn Strobe, WP                                        | EA                         | 4        | 0%      | 4                      | 0.580           | \$ 72.00       | \$ 41.76      | \$ 112.78    | \$ 154.54    | \$ 618.16    |              |
| 708                            |                                                                                                                                                     |                                            | Fire Alarm Manual Pull Station                                    | EA                         | 14       | 0%      | 14                     | 0.480           | \$ 72.00       | \$ 34.56      | \$ 66.49     | \$ 101.05    | \$ 1,414.70  |              |

| SR#       | Drawing# | Detail# | DESCRIPTION                                                                                        | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHOURL | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST    | UNIT COST    | SUB COST             |
|-----------|----------|---------|----------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|--------------|--------------|----------------------|
| 709       |          |         | Fire Alarm Photoelectric Smoke Detector                                                            | EA   | 113      | 0%      | 113                    | 0.350            | \$ 72.00       | \$ 25.20      | \$ 32.32     | \$ 57.52     | \$ 6,499.76          |
| 710       |          |         | Fire Alarm Photoelectric Smoke Detector, Elevator Recall                                           | EA   | 8        | 0%      | 8                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 32.32     | \$ 57.52     | \$ 460.16            |
| 711       |          |         | Fire Alarm Smoke & Carbon Monoxide Detector                                                        | EA   | 23       | 0%      | 23                     | 0.355            | \$ 72.00       | \$ 25.56      | \$ 56.98     | \$ 82.54     | \$ 1,898.42          |
| 712       |          |         | Sounded Base Fire Alarm Smoke Detector With Battery Backup & Inte                                  | EA   | 110      | 0%      | 110                    | 0.350            | \$ 72.00       | \$ 25.20      | \$ 45.23     | \$ 70.43     | \$ 7,747.30          |
| 712       |          |         | Fire Alarm Strobo, 15Cd                                                                            | EA   | 3        | 0%      | 3                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 42.55     | \$ 67.75     | \$ 338.75            |
| 713       |          |         | Fire Alarm Strobo, 177Cd                                                                           | EA   | 38       | 0%      | 38                     | 0.350            | \$ 72.00       | \$ 25.20      | \$ 42.55     | \$ 67.75     | \$ 2,574.50          |
| 714       |          |         | Fire Alarm Jamper Switch                                                                           | EA   | 10       | 0%      | 10                     | 0.355            | \$ 72.00       | \$ 25.56      | \$ 98.85     | \$ 124.41    | \$ 1,244.10          |
|           |          |         |                                                                                                    |      |          |         |                        |                  |                |               |              |              | SUB TOT AL = 221,674 |
| UTILITIES |          |         |                                                                                                    |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | PLUMBING                                                                                           |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | WATER SERVICE PIPE (BELOW GRADE)                                                                   |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | Polytube Pipe                                                                                      |      |          |         |                        |                  |                |               |              |              |                      |
| 715       |          |         | 2" Dia Water Service Pipe                                                                          | LF   | 68       | 10%     | 75                     | 0.271            | \$ 72.00       | \$ 19.51      | \$ 14.04     | \$ 33.55     | \$ 2,523.35          |
|           |          |         | WATER SERVICE PIPE FITTINGS                                                                        |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | ELBOW                                                                                              |      |          |         |                        |                  |                |               |              |              |                      |
| 716       |          |         | 2" Dia Water Service Pipe 90 Deg Elbow                                                             | EA   | 1        | 0%      | 1                      | 0.727            | \$ 72.00       | \$ 52.34      | \$ 21.48     | \$ 73.82     | \$ 73.82             |
|           |          |         | REDUCER                                                                                            |      |          |         |                        |                  |                |               |              |              |                      |
| 717       |          |         | 2"/ 1" Dia Water Service Pipe Reducer                                                              | EA   | 1        | 0%      | 1                      | 0.410            | \$ 72.00       | \$ 29.52      | \$ 3.29      | \$ 32.81     | \$ 32.81             |
|           |          |         | WATER MAIN PIPE (BELOW GRADE)                                                                      |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | Ductile Iron Pipe                                                                                  |      |          |         |                        |                  |                |               |              |              |                      |
| 718       |          |         | 3" Dia Water Main Pipe                                                                             | LF   | 8        | 10%     | 9                      | 0.135            | \$ 72.00       | \$ 9.72       | \$ 105.00    | \$ 114.72    | \$ 984.30            |
| 719       |          |         | 8" Dia Water Main Pipe                                                                             | LF   | 29       | 10%     | 32                     | 0.210            | \$ 72.00       | \$ 15.12      | \$ 153.10    | \$ 168.22    | \$ 5,314.41          |
|           |          |         | WATER MAIN PIPE FITTINGS                                                                           |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | ELBOW                                                                                              |      |          |         |                        |                  |                |               |              |              |                      |
| 720       |          |         | 8" Dia Water Main Pipe 90 Deg Elbow                                                                | EA   | 2        | 0%      | 2                      | 2.624            | \$ 72.00       | \$ 188.93     | \$ 663.77    | \$ 852.70    | \$ 1,705.40          |
|           |          |         | REDUCER                                                                                            |      |          |         |                        |                  |                |               |              |              |                      |
| 721       |          |         | 8"/ 3" Dia Water Main Pipe Reducer                                                                 | EA   | 1        | 0%      | 1                      | 2.400            | \$ 72.00       | \$ 172.80     | \$ 445.74    | \$ 618.54    | \$ 618.54            |
|           |          |         | WATER MAIN PIPE (BELOW GRADE)                                                                      |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | PVC Pipe                                                                                           |      |          |         |                        |                  |                |               |              |              |                      |
| 722       |          |         | 4" Dia Water Main Pipe                                                                             | LF   | 110      | 10%     | 121                    | 0.333            | \$ 72.00       | \$ 23.98      | \$ 22.98     | \$ 46.96     | \$ 5,675.99          |
|           |          |         | WATER MAIN PIPE FITTINGS                                                                           |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | ELBOW                                                                                              |      |          |         |                        |                  |                |               |              |              |                      |
| 723       |          |         | 4" Dia Water Main Pipe 90 Deg Elbow                                                                | EA   | 1        | 0%      | 1                      | 1.231            | \$ 72.00       | \$ 88.63      | \$ 474.53    | \$ 563.16    | \$ 563.16            |
| 724       |          |         | 4" Dia Water Main Pipe 45 Deg Elbow                                                                | EA   | 2        | 0%      | 2                      | 1.231            | \$ 72.00       | \$ 88.63      | \$ 474.53    | \$ 563.16    | \$ 1,126.32          |
|           |          |         | FIRE WATER MAIN PIPE (BELOW GRADE)                                                                 |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | PVC Pipe                                                                                           |      |          |         |                        |                  |                |               |              |              |                      |
| 725       |          |         | 4" Dia Fire Water Main Pipe                                                                        | LF   | 65       | 10%     | 72                     | 0.333            | \$ 72.00       | \$ 23.98      | \$ 22.98     | \$ 46.96     | \$ 3,357.35          |
| 726       |          |         | 6" Dia Fire Water Main Pipe                                                                        | LF   | 141      | 10%     | 155                    | 0.410            | \$ 72.00       | \$ 29.52      | \$ 48.95     | \$ 78.47     | \$ 12,178.47         |
|           |          |         | FIRE WATER MAIN PIPE FITTINGS                                                                      |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | ELBOW                                                                                              |      |          |         |                        |                  |                |               |              |              |                      |
| 727       |          |         | 6" Dia Fire Water Main Pipe 90 Deg Elbow                                                           | EA   | 2        | 0%      | 2                      | 2.000            | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 1,996.30          |
| 728       |          |         | 4" Dia Fire Main Pipe 45 Deg Elbow                                                                 | EA   | 1        | 0%      | 1                      | 1.231            | \$ 72.00       | \$ 88.63      | \$ 474.53    | \$ 563.16    | \$ 563.16            |
| 729       |          |         | 6" Dia Fire Main Pipe 45 Deg Elbow                                                                 | EA   | 2        | 0%      | 2                      | 2.000            | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 1,996.30          |
|           |          |         | TEE                                                                                                |      |          |         |                        |                  |                |               |              |              |                      |
| 730       |          |         | 6" Dia Fire Water Main Pipe Tee                                                                    | EA   | 1        | 0%      | 1                      | 3.200            | \$ 72.00       | \$ 230.40     | \$ 1,098.90  | \$ 1,329.30  | \$ 1,329.30          |
|           |          |         | REDUCER                                                                                            |      |          |         |                        |                  |                |               |              |              |                      |
| 731       |          |         | 8"/ 6" Dia Fire Water Main Pipe Reducer                                                            | EA   | 1        | 0%      | 1                      | 1.500            | \$ 72.00       | \$ 108.00     | \$ 1,648.35  | \$ 1,756.35  | \$ 1,756.35          |
|           |          |         | WASTE PIPE (BELOW GRADE)                                                                           |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | PVC Pipe                                                                                           |      |          |         |                        |                  |                |               |              |              |                      |
| 732       |          |         | 6" Dia Waste Pipe                                                                                  | LF   | 42       | 10%     | 46                     | 0.410            | \$ 72.00       | \$ 29.52      | \$ 48.95     | \$ 78.47     | \$ 3,619.27          |
| 733       |          |         | 8" Dia Waste Pipe                                                                                  | LF   | 223      | 10%     | 246                    | 0.500            | \$ 72.00       | \$ 36.00      | \$ 70.43     | \$ 106.43    | \$ 26,142.40         |
|           |          |         | WASTE PIPE FITTINGS                                                                                |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | ELBOW                                                                                              |      |          |         |                        |                  |                |               |              |              |                      |
| 734       |          |         | 6" Dia Waste Pipe 90 Deg Elbow                                                                     | EA   | 1        | 0%      | 1                      | 2.000            | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 998.15            |
| 735       |          |         | 8" Dia Waste Pipe 90 Deg Elbow                                                                     | EA   | 3        | 10%     | 3                      | 2.667            | \$ 72.00       | \$ 192.02     | \$ 1,548.45  | \$ 1,740.47  | \$ 5,743.56          |
| 736       |          |         | 6" Dia Waste Pipe 45 Deg Elbow                                                                     | EA   | 1        | 10%     | 1                      | 2.000            | \$ 72.00       | \$ 144.00     | \$ 854.15    | \$ 998.15    | \$ 1,097.97          |
| 737       |          |         | 8" Dia Waste Pipe 45 Deg Elbow                                                                     | EA   | 8        | 10%     | 9                      | 2.667            | \$ 72.00       | \$ 192.02     | \$ 1,573.43  | \$ 1,765.45  | \$ 15,336.00         |
|           |          |         | WYE                                                                                                |      |          |         |                        |                  |                |               |              |              |                      |
| 738       |          |         | 8" Dia Waste Pipe Wye                                                                              | EA   | 6        | 0%      | 6                      | 4.000            | \$ 72.00       | \$ 288.00     | \$ 3,596.40  | \$ 3,884.40  | \$ 23,306.40         |
| 739       |          |         | 8"/ 6" Dia Waste Pipe Wye                                                                          | EA   | 1        | 0%      | 1                      | 3.200            | \$ 72.00       | \$ 230.40     | \$ 2,197.80  | \$ 2,428.20  | \$ 2,428.20          |
|           |          |         | MANHOLE                                                                                            |      |          |         |                        |                  |                |               |              |              |                      |
| 740       |          |         | 18" Dia Junction Manhole                                                                           | EA   | 1        | 0%      | 1                      | 0.650            | \$ 72.00       | \$ 46.80      | \$ 225.00    | \$ 271.80    | \$ 271.80            |
| 741       |          |         | Detail Not Found Sampling Manhole #1                                                               | EA   | 1        | 0%      | 1                      | 0.533            | \$ 72.00       | \$ 38.38      | \$ 420.00    | \$ 458.38    | \$ 458.38            |
|           |          |         | FIRE HYDRANT                                                                                       |      |          |         |                        |                  |                |               |              |              |                      |
| 742       |          |         | FH: 6" Dia Fire Hydrant                                                                            | EA   | 2        | 0%      | 2                      | 1.230            | \$ 72.00       | \$ 88.56      | \$ 725.00    | \$ 813.56    | \$ 1,627.12          |
|           |          |         | FIRE HYDRANT DETAIL                                                                                |      |          |         |                        |                  |                |               |              |              |                      |
| 743       |          |         | 2-1/2" Dia Hose Bib                                                                                | EA   | 1        | 0%      | 1                      | 0.890            | \$ 72.00       | \$ 64.08      | \$ 225.00    | \$ 289.08    | \$ 289.08            |
| 744       |          |         | 4-1/2" Dia Hose Bib                                                                                | EA   | 1        | 0%      | 1                      | 1.100            | \$ 72.00       | \$ 79.20      | \$ 325.00    | \$ 404.20    | \$ 404.20            |
| 745       |          |         | 6" Dia Gate Valve                                                                                  | EA   | 1        | 0%      | 1                      | 1.450            | \$ 72.00       | \$ 104.40     | \$ 1,302.00  | \$ 1,406.40  | \$ 1,406.40          |
|           |          |         | MISCELLANEOUS                                                                                      |      |          |         |                        |                  |                |               |              |              |                      |
| 746       |          |         | 1" Dia Portable Water Meter                                                                        | EA   | 1        | 0%      | 1                      | 0.550            | \$ 72.00       | \$ 39.60      | \$ 153.60    | \$ 193.20    | \$ 193.20            |
| 747       |          |         | 4" Dia Potable Water Meter                                                                         | EA   | 1        | 0%      | 1                      | 0.875            | \$ 72.00       | \$ 63.00      | \$ 496.00    | \$ 559.00    | \$ 559.00            |
| 748       |          |         | 6" Dia Fire Meter                                                                                  | EA   | 1        | 0%      | 1                      | 1.000            | \$ 72.00       | \$ 72.00      | \$ 835.00    | \$ 907.00    | \$ 907.00            |
| 749       |          |         | 1" Dia Service Tap                                                                                 | EA   | 1        | 0%      | 1                      | 0.220            | \$ 72.00       | \$ 15.84      | \$ 38.12     | \$ 53.96     | \$ 53.96             |
| 750       |          |         | 4" Dia Fire Department Connection W/ Knox Lockable Plugs                                           | EA   | 1        | 0%      | 1                      | 3.333            | \$ 72.00       | \$ 239.98     | \$ 233.00    | \$ 472.98    | \$ 472.98            |
|           |          |         | BACKFLOW PREVENTER                                                                                 |      |          |         |                        |                  |                |               |              |              |                      |
| 751       |          |         | 1" Dia Reduced Pressure Backflow Preventer                                                         | EA   | 1        | 0%      | 1                      | 1.100            | \$ 72.00       | \$ 79.20      | \$ 1,350.00  | \$ 1,429.20  | \$ 1,429.20          |
| 752       |          |         | 4" Dia Reduced Pressure Backflow Preventer                                                         | EA   | 1        | 0%      | 1                      | 2.120            | \$ 72.00       | \$ 152.64     | \$ 3,638.00  | \$ 3,790.64  | \$ 3,790.64          |
|           |          |         | CLEANOUTS & DRAINS                                                                                 |      |          |         |                        |                  |                |               |              |              |                      |
| 753       |          |         | 6" Dia CO: Cleanout                                                                                | EA   | 1        | 0%      | 1                      | 2.667            | \$ 72.00       | \$ 192.02     | \$ 629.37    | \$ 821.39    | \$ 821.39            |
| 754       |          |         | 8" Dia CO: Cleanout                                                                                | EA   | 7        | 0%      | 7                      | 4.000            | \$ 72.00       | \$ 288.00     | \$ 694.31    | \$ 982.31    | \$ 6,876.17          |
| 755       |          |         | 10" Dia CO: Cleanout                                                                               | EA   | 8        | 0%      | 8                      | 4.500            | \$ 72.00       | \$ 324.00     | \$ 825.00    | \$ 1,149.00  | \$ 9,192.00          |
|           |          |         | VALVES                                                                                             |      |          |         |                        |                  |                |               |              |              |                      |
| 756       |          |         | 2" Dia Shutoff Valve                                                                               | EA   | 1        | 0%      | 1                      | 0.350            | \$ 72.00       | \$ 25.20      | \$ 65.00     | \$ 90.20     | \$ 90.20             |
| 757       |          |         | 3" Dia Shutoff Valve                                                                               | EA   | 1        | 0%      | 1                      | 0.425            | \$ 72.00       | \$ 30.60      | \$ 105.00    | \$ 135.60    | \$ 135.60            |
| 758       |          |         | 4" Dia Check Valve                                                                                 | EA   | 1        | 0%      | 1                      | 0.550            | \$ 72.00       | \$ 39.60      | \$ 255.00    | \$ 294.60    | \$ 294.60            |
| 759       |          |         | 6" Dia Shutoff Valve                                                                               | EA   | 1        | 0%      | 1                      | 0.525            | \$ 72.00       | \$ 37.80      | \$ 185.00    | \$ 222.80    | \$ 222.80            |
| 760       |          |         | 6" Dual Check Valve                                                                                | EA   | 1        | 0%      | 1                      | 2.890            | \$ 72.00       | \$ 208.08     | \$ 4,257.00  | \$ 4,465.08  | \$ 4,465.08          |
|           |          |         | PVC COUPLING                                                                                       |      |          |         |                        |                  |                |               |              |              |                      |
| 761       |          |         | 4" Dia                                                                                             | EA   | 17       | 0%      | 17                     |                  |                |               |              |              |                      |
| 762       |          |         | 6" Dia                                                                                             | EA   | 18       | 0%      | 18                     |                  |                |               |              |              |                      |
| 763       |          |         | 8" Dia                                                                                             | EA   | 22       | 0%      | 22                     |                  |                |               |              |              |                      |
|           |          |         | DIS TRIBUTION                                                                                      |      |          |         |                        |                  |                |               |              |              |                      |
|           |          |         | CONDUIT                                                                                            |      |          |         |                        |                  |                |               |              |              |                      |
| 764       |          |         | With Pull String To Generator Box 2" EMT Conduit                                                   | LF   | 142      | 10%     | 156                    | 0.100            | \$ 72.00       | \$ 7.20       | \$ 8.90      | \$ 16.10     | \$ 2,519.07          |
| 764       |          |         | Lengh Assumed 1" PVC SCH 40 Conduit With Pullstring                                                | LF   | 70       | 10%     | 77                     | 0.100            | \$ 72.00       | \$ 7.20       | \$ 8.90      | \$ 16.10     | \$ 1,239.70          |
| 765       |          |         | 3" PVC SCH 40 Conduit                                                                              | LF   | 1176     | 10%     | 1294                   | 0.145            | \$ 72.00       | \$ 10.44      | \$ 12.52     | \$ 22.96     | \$ 29,699.54         |
|           |          |         | CONDUCTOR                                                                                          |      |          |         |                        |                  |                |               |              |              |                      |
| 766       |          |         | #6 CU THHN/THWN                                                                                    | LF   | 142      | 10%     | 156                    | 0.012            | \$ 72.00       | \$ 0.86       | \$ 1.03      | \$ 1.89      | \$ 296.34            |
| 767       |          |         | #3/0 CU THHN/THWN                                                                                  | LF   | 569      | 10%     | 626                    | 0.032            | \$ 72.00       | \$ 2.30       | \$ 5.28      | \$ 758       | \$ 4,746.49          |
| 768       |          |         | #400 CU THHN/THWN                                                                                  | LF   | 4704     | 10%     | 5174                   | 0.047            | \$ 72.00       | \$ 3.38       | \$ 11.98     | \$ 15.36     | \$ 79,405.43         |
|           |          |         | CIRCUIT BREAKER                                                                                    |      |          |         |                        |                  |                |               |              |              |                      |
| 769       |          |         | 3P/200A Breaker                                                                                    | EA   | 1        | 0%      | 1                      | 2.500            | \$ 72.00       | \$ 180.00     | \$ 4,669.95  | \$ 4,849.95  | \$ 4,849.95          |
|           |          |         | DEVICES                                                                                            |      |          |         |                        |                  |                |               |              |              |                      |
| 770       |          |         | Generator Manufacturer is CUMMINS 60KW, 208Y/120V Diesel Genset in WP Level 1 Sound Attenuated Enc | EA   | 1        | 0%      | 1                      | 36.364           | \$ 72.00       | \$ 2,618.21   | \$ 47,050.00 | \$ 49,668.21 | \$ 49,668.21         |

| SR #                                                                                                              | Drawing # | Detail # | DESCRIPTION                                                                                    | UNIT | QUANTITY | WASTAGE | QUANTITY W/<br>WASTAGE | UNIT<br>MANHO UR | HOURLY<br>WAGE | LABOR<br>COST | MAT. COST   | UNIT COST      | SUB COST     |
|-------------------------------------------------------------------------------------------------------------------|-----------|----------|------------------------------------------------------------------------------------------------|------|----------|---------|------------------------|------------------|----------------|---------------|-------------|----------------|--------------|
| 771                                                                                                               |           |          | 24HR Sub Base Diesel Fuel Tank                                                                 | EA   | 1        | 0%      | 1                      | 4.250            | \$ 72.00       | \$ 306.00     | \$ 5,699.00 | \$ 6,005.00    | \$ 6,005.00  |
|                                                                                                                   |           |          | POWER                                                                                          |      |          |         |                        |                  |                |               |             |                |              |
|                                                                                                                   |           |          | CONDUIT                                                                                        |      |          |         |                        |                  |                |               |             |                |              |
| 772                                                                                                               |           |          | 3/4" EMT Conduit                                                                               | LF   | 144      | 10%     | 158                    | 0.062            | \$ 72.00       | \$ 4.46       | \$ 2.07     | \$ 6.53        | \$ 1,031.75  |
| 773                                                                                                               |           |          | 1" EMT Conduit                                                                                 | LF   | 119      | 10%     | 131                    | 0.070            | \$ 72.00       | \$ 5.04       | \$ 3.54     | \$ 8.58        | \$ 1,123.80  |
| 774                                                                                                               |           |          | 3/4" PVC SCH 40 Conduit                                                                        | LF   | 624      | 10%     | 687                    | 0.055            | \$ 72.00       | \$ 3.96       | \$ 2.20     | \$ 6.16        | \$ 4,231.14  |
| 775                                                                                                               |           |          | 1" PVC SCH 40 Conduit                                                                          | LF   | 245      | 10%     | 270                    | 0.064            | \$ 72.00       | \$ 4.61       | \$ 3.55     | \$ 8.16        | \$ 2,201.63  |
|                                                                                                                   |           |          | CONDUCTOR                                                                                      |      |          |         |                        |                  |                |               |             |                |              |
| 776                                                                                                               |           |          | #10 CU THHN/THWN                                                                               | LF   | 2304     | 10%     | 2534                   | 0.008            | \$ 72.00       | \$ 0.58       | \$ 0.40     | \$ 0.98        | \$ 2,473.51  |
| 777                                                                                                               |           |          | #6 CU THHN/THWN                                                                                | LF   | 1458     | 10%     | 1603                   | 0.012            | \$ 72.00       | \$ 0.86       | \$ 1.03     | \$ 1.89        | \$ 3,036.93  |
|                                                                                                                   |           |          | SITE LIGHTING                                                                                  |      |          |         |                        |                  |                |               |             |                |              |
|                                                                                                                   |           |          | CONDUIT                                                                                        |      |          |         |                        |                  |                |               |             |                |              |
| 778                                                                                                               |           |          | 3/4" EMT Conduit                                                                               | LF   | 154      | 10%     | 169                    | 0.062            | \$ 72.00       | \$ 4.46       | \$ 2.07     | \$ 6.53        | \$ 1,104.78  |
| 779                                                                                                               |           |          | 3/4" RGS Conduit                                                                               | LF   | 195      | 10%     | 214                    | 0.100            | \$ 72.00       | \$ 7.20       | \$ 4.15     | \$ 11.35       | \$ 2,433.70  |
| 780                                                                                                               |           |          | 1" PVC SCH 40 Conduit                                                                          | LF   | 900      | 10%     | 990                    | 0.064            | \$ 72.00       | \$ 4.61       | \$ 3.55     | \$ 8.16        | \$ 8,076.96  |
|                                                                                                                   |           |          | CONDUCTOR                                                                                      |      |          |         |                        |                  |                |               |             |                |              |
| 781                                                                                                               |           |          | #10 CU THHN/THWN                                                                               | LF   | 1046     | 10%     | 1151                   | 0.008            | \$ 72.00       | \$ 0.58       | \$ 0.40     | \$ 0.98        | \$ 1,122.90  |
| 782                                                                                                               |           |          | #8 CU THHN/THWN                                                                                | LF   | 2700     | 10%     | 2970                   | 0.010            | \$ 72.00       | \$ 0.72       | \$ 0.66     | \$ 1.38        | \$ 4,098.87  |
|                                                                                                                   |           |          | LIGHTING FIXTURES                                                                              |      |          |         |                        |                  |                |               |             |                |              |
| 783                                                                                                               |           |          | SA: DSX2 LED P3 40K T4M MVOLT With Houseside Shield, LIT HO                                    | EA   | 13       | 0%      | 13                     | 0.890            | \$ 72.00       | \$ 64.08      | \$ 2,917.50 | \$ 2,981.58    | \$ 38,760.54 |
| 784                                                                                                               |           |          | 25' Straight, 5" Square, 0.120" Thickness Steel Pole, COPPER/STEEL                             | EA   | 13       | 0%      | 13                     | 1.000            | \$ 72.00       | \$ 72.00      | \$ 1,600.00 | \$ 1,672.00    | \$ 21,736.00 |
| 785                                                                                                               |           |          | 12-5/16" Handhole                                                                              | EA   | 13       | 0%      | 13                     | 0.650            | \$ 72.00       | \$ 46.80      | \$ 235.00   | \$ 281.80      | \$ 3,663.40  |
| 786                                                                                                               |           |          | L-Bent Galvanized Steel Anchor Bolts                                                           | EA   | 52       | 0%      | 52                     | 0.200            | \$ 72.00       | \$ 14.40      | \$ 19.00    | \$ 33.40       | \$ 1,736.80  |
| 787                                                                                                               |           |          | 5/8" x 8' Ground Rod                                                                           | EA   | 13       | 0%      | 13                     | 0.250            | \$ 72.00       | \$ 18.00      | \$ 25.00    | \$ 43.00       | \$ 559.00    |
| 788                                                                                                               |           |          | #6 CU Grounding Conductor                                                                      | LF   | 130      | 10%     | 143                    | 0.044            | \$ 72.00       | \$ 3.20       | \$ 1.60     | \$ 4.80        | \$ 685.94    |
|                                                                                                                   |           |          | MISCELLANEOUS                                                                                  |      |          |         |                        |                  |                |               |             |                |              |
| 789                                                                                                               |           |          | Junction Box                                                                                   | EA   | 4        | 0%      | 4                      | 0.450            | \$ 72.00       | \$ 32.40      | \$ 65.23    | \$ 97.63       | \$ 390.52    |
|                                                                                                                   |           |          | TRENCHING & BACKFILLING                                                                        |      |          |         |                        |                  |                |               |             |                |              |
| 790                                                                                                               |           |          | Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT  | 2650     | 0%      | 2650                   | 0.080            | \$ 72.00       | \$ 5.76       | \$ -        | \$ 5.76        | \$ 15,264.00 |
| SUB TOTAL                                                                                                         |           |          |                                                                                                |      |          |         |                        |                  |                |               |             | \$             | 446,880      |
| OVERHEAD AND PROFIT                                                                                               |           |          |                                                                                                |      |          |         |                        |                  |                |               |             | PROJECTED COST | \$7,018.078  |
| INSURANCE                                                                                                         |           |          |                                                                                                |      |          |         |                        |                  |                |               |             | 15%            | \$1,052,712  |
| CONTINGENCY                                                                                                       |           |          |                                                                                                |      |          |         |                        |                  |                |               |             | 3%             | \$210,542    |
| TAX                                                                                                               |           |          |                                                                                                |      |          |         |                        |                  |                |               |             | 6.5%           | \$350,904    |
| SUGGESTED BID                                                                                                     |           |          |                                                                                                |      |          |         |                        |                  |                |               |             |                | \$9,069,411  |
| Notes:                                                                                                            |           |          |                                                                                                |      |          |         |                        |                  |                |               |             |                |              |
| 1. Online sources are used for pricing.                                                                           |           |          |                                                                                                |      |          |         |                        |                  |                |               |             |                |              |
| 2. Prices can vary depending upon field conditions.                                                               |           |          |                                                                                                |      |          |         |                        |                  |                |               |             |                |              |
| 3. As fire protection piping & sprinkler were not shown on plans so we take allowance as per architectural plans. |           |          |                                                                                                |      |          |         |                        |                  |                |               |             |                |              |
| 4. Plumbing pipes material was not shown on specifications so we assumed according to penetration schedule.       |           |          |                                                                                                |      |          |         |                        |                  |                |               |             |                |              |

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## BREAKDOWN OF DUCT ITEMS

**Prepared for:** Springhill Suites, 1520 Cornerstone Blvd  
 Daytona Beach, FL 32117  
**Project ID:**  
**Scope:** GC



**Date:** 13-May-25

| SR # | DESCRIPTION                 | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE |
|------|-----------------------------|------|----------|---------|---------------------|
| HVAC |                             |      |          |         |                     |
|      | GALVANIZED SHEET METAL DUCT |      |          |         |                     |
| 1    | 6" Dia Supply Air Duct      | LF   | 166      | 10%     | 183                 |
| 2    | 8" Dia Supply Air Duct      | LF   | 34       | 10%     | 37                  |
| 3    | 10" Dia Supply Air Duct     | LF   | 17       | 10%     | 19                  |
| 4    | 6"x8" Supply Air Duct       | LF   | 15       | 10%     | 17                  |
| 5    | 8"x8" Supply Air Duct       | LF   | 236      | 10%     | 260                 |
| 6    | 8"x12" Supply Air Duct      | LF   | 11       | 10%     | 12                  |
| 7    | 10"x8" Supply Air Duct      | LF   | 71       | 10%     | 78                  |
| 8    | 10"x10" Supply Air Duct     | LF   | 37       | 10%     | 41                  |
| 9    | 12"x10" Supply Air Duct     | LF   | 104      | 10%     | 114                 |
| 10   | 12"x12" Supply Air Duct     | LF   | 31       | 10%     | 34                  |
| 11   | 14"x8" Supply Air Duct      | LF   | 139      | 10%     | 153                 |
| 12   | 14"x10" Supply Air Duct     | LF   | 125      | 10%     | 138                 |
| 13   | 14"x12" Supply Air Duct     | LF   | 70       | 10%     | 77                  |
| 14   | 14"x14" Supply Air Duct     | LF   | 55       | 10%     | 61                  |
| 15   | 16"x14" Supply Air Duct     | LF   | 82       | 10%     | 90                  |
| 16   | 16"x16" Supply Air Duct     | LF   | 17       | 10%     | 19                  |
| 17   | 18"x8" Supply Air Duct      | LF   | 127      | 10%     | 140                 |
| 18   | 18"x10" Supply Air Duct     | LF   | 149      | 10%     | 164                 |
| 19   | 18"x16" Supply Air Duct     | LF   | 37       | 10%     | 41                  |
| 20   | 20"x16" Supply Air Duct     | LF   | 37       | 10%     | 41                  |
| 21   | 20"x18" Supply Air Duct     | LF   | 14       | 10%     | 15                  |
| 22   | 26"x8" Supply Air Duct      | LF   | 137      | 10%     | 151                 |
| 23   | 26"x16" Supply Air Duct     | LF   | 19       | 10%     | 21                  |
| 24   | 30"x24" Supply Air Duct     | LF   | 24       | 10%     | 26                  |
| 25   | 32"x24" Supply Air Duct     | LF   | 25       | 10%     | 28                  |
| 26   | 8" Dia Return Air Duct      | LF   | 12       | 10%     | 13                  |
| 27   | 10"x12" Return Air Duct     | LF   | 17       | 10%     | 19                  |
| 28   | 12"x12" Return Air Duct     | LF   | 31       | 10%     | 34                  |
| 29   | 14"x12" Return Air Duct     | LF   | 12       | 10%     | 13                  |
| 30   | 14"x14" Return Air Duct     | LF   | 10       | 10%     | 11                  |
| 31   | 16"x12" Return Air Duct     | LF   | 16       | 10%     | 18                  |
| 32   | 16"x14" Return Air Duct     | LF   | 6        | 10%     | 7                   |
| 33   | 18"x16" Return Air Duct     | LF   | 20       | 10%     | 22                  |
| 34   | 6" Dia Outside Air Duct     | LF   | 13       | 10%     | 14                  |
| 35   | 8" Dia Outside Air Duct     | LF   | 26       | 10%     | 29                  |
| 36   | 10" Dia Outside Air Duct    | LF   | 62       | 10%     | 68                  |
| 37   | 4" Dia Exhaust Air Duct     | LF   | 108      | 10%     | 119                 |
| 38   | 6" Dia Exhaust Air Duct     | LF   | 129      | 10%     | 142                 |

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|------|----------------------------|------|----------|---------|---------------------|
| 39   | 8" Dia Exhaust Air Duct    | LF   | 48       | 10%     | 53                  |
| 40   | 10" Dia Exhaust Air Duct   | LF   | 72       | 10%     | 79                  |
| 41   | 6"x6" Exhaust Air Duct     | LF   | 11       | 10%     | 12                  |
| 42   | 8"x6" Exhaust Air Duct     | LF   | 11       | 10%     | 12                  |
| 43   | 8"x8" Exhaust Air Duct     | LF   | 38       | 10%     | 42                  |
| 44   | 10"x8" Exhaust Air Duct    | LF   | 8        | 10%     | 9                   |
| 45   | 10"x10" Exhaust Air Duct   | LF   | 5        | 10%     | 6                   |
| 46   | 4" Dia Dryer Exhaust Duct  | LF   | 54       | 10%     | 59                  |
| 47   | 10" Dia Dryer Exhaust Duct | LF   | 50       | 10%     | 55                  |
|      |                            |      |          |         |                     |

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