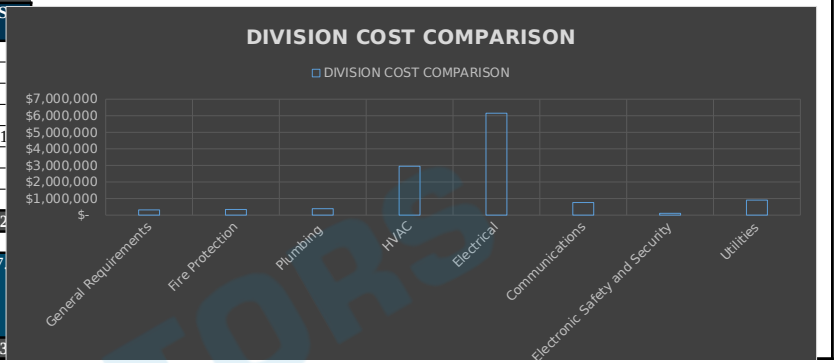
# GENERAL SUMMARY

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP
**No. Of Floors:** 1
**Date:** 6-Oct-26

USA ESTIMATORS
+1 (214) 556-2605

| BUILDING GSF | | 48,108 | |
|---|---|---|---|
| **DIVISION NO** | **DESCRIPTION** | **TOTAL DIV. COST** | **TOTAL DIV. COST (PER SF)** |
| **1000** | General Requirements | $ 315,000 | $ |
| **21000** | Fire Protection | $ 340,087 | $ |
| **22000** | Plumbing | $ 387,902 | $ |
| **23000** | HVAC | $ 2,947,904 | $ |
| **26000** | Electrical | $ 6,152,639 | $ 1 |
| **27000** | Communications | $ 762,228 | $ |
| **28000** | Electronic Safety and Security | $ 107,106 | $ |
| **33000** | Utilities | $ 906,011 | $ |
| | **TOTAL TRADE COST** | **$ 11,918,877** | **$ 2** |
| **OVERHEAD AND PROFIT** | **15%** | $ 1,787,832 | $ 37 |
| **INSURANCE** | **3%** | $ 357,566 | $ |
| **CONTINGENCY** | **5%** | $ 595,944 | $ |
| **TAX** | **0%** | $ - | $ |
| | **SUGGESTED BID** | **$ 14,660,219** | **$ 3** |



# DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR 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 | $ - | $ - | $ - | $ 150,000.00 | $ 150,000.00 |
| 3 | | | Submittals and Shop drawings | LS | 1 | 0% | 1 | 0.000 | $ - | $ - | $ - | $ - | $ - |
| 4 | | | Final Cleaning | LS | 1 | 0% | 1 | 0.000 | $ - | $ - | $ - | $ 25,000.00 | $ 25,000.00 |
| 5 | | | Mobilization Costs | LS | 1 | 0% | 1 | 0.000 | $ - | $ - | $ - | $ 95,000.00 | $ 95,000.00 |
| 6 | | | Temporary Control & Facilities | LS | 1 | 0% | 1 | 0.000 | $ - | $ - | $ - | $ 45,000.00 | $ 45,000.00 |
| 7 | | | Scaffolding | LS | 1 | 0% | 1 | 0.000 | $ - | $ - | $ - | $ - | $ - |
| | | | | | | | | | | | | **SUBTOTAL** | **$ 315,000** |
| | | | **FIRE PROTECTION** | | | | | | | | | | |
| | | | **EXHAUST PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | **Assumed** | **Black Steel Pipe, ASTM A53** | | | | | | | | | | |
| 8 | | | 4" Dia Exhaust Pipe | LF | 10 | 10% | 11 | 0.30 | $ 75.00 | $ 22.50 | $ 29.90 | $ 52.40 | $ 576.44 |
| | | | **FIRE PROTECTION PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **Black Steel Pipe, ASTM A53** | | | | | | | | | | |
| 9 | | | 8" Dia Fire Protection Pipe | LF | 6 | 10% | 7 | 0.63 | $ 75.00 | $ 46.88 | $ 65.00 | $ 111.88 | $ 797.45 |
| | | | **FIRE PROTECTION PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **Black Steel Pipe, ASTM A53** | | | | | | | | | | |
| 10 | | | 1" Dia Fire Protection Pipe | LF | 402 | 10% | 442 | 0.11 | $ 75.00 | $ 8.48 | $ 6.45 | $ 14.93 | $ 6,599.84 |
| 11 | | | 2" Dia Fire Protection Pipe | LF | 3728 | 10% | 4101 | 0.19 | $ 75.00 | $ 14.10 | $ 9.12 | $ 23.22 | $ 95,220.58 |
| 12 | | | 4" Dia Fire Protection Pipe | LF | 572 | 10% | 629 | 0.30 | $ 75.00 | $ 22.50 | $ 29.90 | $ 52.40 | $ 32,972.18 |
| 13 | | | 6" Dia Fire Protection Pipe | LF | 334 | 10% | 367 | 0.50 | $ 75.00 | $ 37.50 | $ 48.12 | $ 85.62 | $ 31,456.79 |
| 14 | | | 8" Dia Fire Protection Pipe | LF | 67 | 10% | 74 | 0.63 | $ 75.00 | $ 46.88 | $ 65.00 | $ 111.88 | $ 8,259.96 |
| | | | **FIRE PROTECTION PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 15 | | | 1" Dia Fire Protection Pipe 90 Deg Elbow | EA | 10 | 0% | 10 | 0.46 | $ 75.00 | $ 34.58 | $ 10.00 | $ 44.58 | $ 445.75 |
| 16 | | | 2" Dia Fire Protection Pipe 90 Deg Elbow | EA | 13 | 0% | 13 | 0.67 | $ 75.00 | $ 50.03 | $ 18.10 | $ 68.13 | $ 885.63 |
| 17 | | | 4" Dia Fire Protection Pipe 90 Deg Elbow | EA | 9 | 0% | 9 | 0.75 | $ 75.00 | $ 56.25 | $ 45.60 | $ 101.85 | $ 916.65 |
| 18 | | | 6" Dia Fire Protection Pipe 90 Deg Elbow | EA | 7 | 0% | 7 | 0.88 | $ 75.00 | $ 66.00 | $ 68.95 | $ 134.95 | $ 944.65 |
| 19 | | | 8" Dia Fire Protection Pipe 90 Deg Elbow | EA | 4 | 0% | 4 | 0.90 | $ 75.00 | $ 67.50 | $ 81.65 | $ 149.15 | $ 596.60 |
| 20 | | | 4" Dia Fire Protection Pipe 45 Deg Elbow | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 72.15 | $ 128.40 | $ 128.40 |
| 21 | | | 6" Dia Fire Protection Pipe 45 Deg Elbow | EA | 1 | 0% | 1 | 0.88 | $ 75.00 | $ 66.00 | $ 70.10 | $ 136.10 | $ 136.10 |
| 22 | | | 8" Dia Fire Protection Pipe 45 Deg Elbow | EA | 1 | 0% | 1 | 0.90 | $ 75.00 | $ 67.50 | $ 75.60 | $ 143.10 | $ 143.10 |
| | | | **TEE** | | | | | | | | | | |
| 23 | | | 4" Dia Fire Protection Pipe Tee | EA | 2 | 0% | 2 | 0.94 | $ 75.00 | $ 70.31 | $ 93.80 | $ 164.11 | $ 328.22 |
| 24 | | | 6" Dia Fire Protection Pipe Tee | EA | 3 | 0% | 3 | 1.10 | $ 75.00 | $ 82.50 | $ 91.13 | $ 173.63 | $ 520.89 |
| 25 | | | 2" / 1" Dia Fire Protection Pipe Tee | EA | 404 | 0% | 404 | 0.83 | $ 75.00 | $ 62.53 | $ 23.53 | $ 86.06 | $ 34,768.75 |
| 26 | | | 4" / 2" Dia Fire Protection Pipe Tee | EA | 50 | 0% | 50 | 0.94 | $ 75.00 | $ 70.31 | $ 59.28 | $ 129.59 | $ 6,479.63 |
| 27 | | | 6" / 2" Dia Fire Protection Pipe Tee | EA | 12 | 0% | 12 | 1.10 | $ 75.00 | $ 82.50 | $ 89.64 | $ 172.14 | $ 2,065.62 |
| 28 | | | 8" / 6" Dia Fire Protection Pipe Tee | EA | 2 | 0% | 2 | 1.13 | $ 75.00 | $ 84.38 | $ 111.40 | $ 195.77 | $ 391.54 |
| 29 | | | 8" / 2" Dia Fire Protection Pipe Tee | EA | 2 | 0% | 2 | 1.13 | $ 75.00 | $ 84.38 | $ 106.15 | $ 190.52 | $ 381.04 |
| | | | **REDUCER** | | | | | | | | | | |
| 30 | | | 1" / 1/2" Dia Fire Protection Pipe Reducer | EA | 404 | 0% | 404 | 0.46 | $ 75.00 | $ 34.58 | $ 12.00 | $ 46.58 | $ 18,816.30 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | FP-102, FP-103 & FP-802 | | 6" / 4" Dia Fire Protection Pipe Reducer | EA | 3 | 0% | 3 | 0.90 | $ 75.00 | $ 67.50 | $ 72.15 | $ 139.65 | $ 418.95 |
| | | | **SPRINKLER HEADS** | | | | | | | | | | |
| 31 | | Schedule Not Given | 1/2" Dia Upright Sprinkler Head | EA | 321 | 0% | 321 | 0.45 | $ 75.00 | $ 33.75 | $ 26.74 | $ 60.49 | $ 19,417.29 |
| 32 | | | 1/2" Dia Concealed Sprinkler Head | EA | 83 | 0% | 83 | 0.50 | $ 75.00 | $ 37.50 | $ 38.67 | $ 76.17 | $ 6,322.11 |
| | | | **SPRINKLER SYSTEM DETAILS** | | | | | | | | | | |
| 33 | | | 2" Dia Control Valve | EA | 1 | 0% | 1 | 0.62 | $ 75.00 | $ 46.58 | $ 59.56 | $ 106.14 | $ 106.14 |
| 34 | | | 2" Dia Test Alarm Valve | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 1,395.86 | $ 1,508.36 | $ 1,508.36 |
| 35 | | | 4" Dia Gate Valve | EA | 1 | 0% | 1 | 1.42 | $ 75.00 | $ 106.50 | $ 1,173.30 | $ 1,279.80 | $ 1,279.80 |
| 36 | | | Alarm Gong | EA | 1 | 0% | 1 | 0.80 | $ 75.00 | $ 60.00 | $ 75.00 | $ 135.00 | $ 135.00 |
| 37 | | | Pressure Gauge | EA | 3 | 0% | 3 | 0.60 | $ 75.00 | $ 45.00 | $ 54.22 | $ 99.22 | $ 297.66 |
| | | | **SPRINKLER PRE-SYSTEM DETAILS** | | | | | | | | | | |
| 38 | | | "B" Pressure Gauge | EA | 2 | 0% | 2 | 0.60 | $ 75.00 | $ 45.00 | $ 54.22 | $ 99.22 | $ 198.44 |
| 39 | | | "C" Pressure Gauge | EA | 1 | 0% | 1 | 0.60 | $ 75.00 | $ 45.00 | $ 54.22 | $ 99.22 | $ 99.22 |
| 40 | | | Alarm Gong | EA | 1 | 0% | 1 | 0.80 | $ 75.00 | $ 60.00 | $ 75.00 | $ 135.00 | $ 135.00 |
| 41 | | | Supervisory Air Pressure Switch | EA | 1 | 0% | 1 | 0.33 | $ 75.00 | $ 24.38 | $ 40.26 | $ 64.64 | $ 64.64 |
| 42 | | | Waterflow Supervisory Alarm Switch | EA | 1 | 0% | 1 | 0.80 | $ 75.00 | $ 60.00 | $ 138.00 | $ 198.00 | $ 198.00 |
| | | | **FIRE PUMP ROOM** | | | | | | | | | | |
| 43 | | | 4" Dia Check Valve | EA | 1 | 0% | 1 | 1.07 | $ 75.00 | $ 80.25 | $ 322.00 | $ 402.25 | $ 402.25 |
| 44 | | | 4" Dia Tank Fill Valve | EA | 3 | 0% | 3 | 0.92 | $ 75.00 | $ 69.00 | $ 276.00 | $ 345.00 | $ 1,035.00 |
| 45 | | | 6" To Preaction Sprinkler System | EA | 1 | 0% | 1 | 0.77 | $ 75.00 | $ 57.75 | $ 230.00 | $ 287.75 | $ 287.75 |
| 46 | | | 6" To Sprinkler System | EA | 1 | 0% | 1 | 0.77 | $ 75.00 | $ 57.75 | $ 230.00 | $ 287.75 | $ 287.75 |
| 47 | | | 8" Dia Check Valve | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 736.00 | $ 829.75 | $ 829.75 |
| 48 | | | 8" Dia OS&Y | EA | 3 | 0% | 3 | 1.13 | $ 75.00 | $ 84.38 | $ 644.00 | $ 728.38 | $ 2,185.13 |
| 49 | | | 8" Dia Relief Valve | EA | 1 | 0% | 1 | 3.50 | $ 75.00 | $ 262.50 | $ 1,104.00 | $ 1,366.50 | $ 1,366.50 |
| 50 | | | Anti-Vortex Plate | EA | 1 | 0% | 1 | 0.80 | $ 75.00 | $ 60.00 | $ 138.00 | $ 198.00 | $ 198.00 |
| 51 | | | Diesel Exhaust To Atmosphere With Rain Cap | EA | 1 | 0% | 1 | 1.01 | $ 75.00 | $ 75.75 | $ 322.00 | $ 397.75 | $ 397.75 |
| 52 | | | Diesel Fire Pump: 1000 GPM, 100 BHP Max., 100HP Motor, 2960 RPM, 100 PSI | EA | 1 | 0% | 1 | 175.00 | $ 75.00 | $ 13,125.00 | $ 22,221.00 | $ 35,346.00 | $ 35,346.00 |
| 53 | | | Electric Jokey Pump: 10 GPM, 110 PSI Head, 3 BHP Max., 3HP Motor, 2960 RPM | EA | 1 | 0% | 1 | 4.00 | $ 75.00 | $ 300.00 | $ 2,484.00 | $ 2,784.00 | $ 2,784.00 |
| 54 | | | Fire Pump Controller | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 4,600.00 | $ 5,087.50 | $ 5,087.50 |
| 55 | | | Jockey Pump Controller | EA | 1 | 0% | 1 | 3.60 | $ 75.00 | $ 270.00 | $ 1,656.00 | $ 1,926.00 | $ 1,926.00 |
| 56 | | | NGEN-1: Nitrogen Generator | EA | 1 | 0% | 1 | 10.00 | $ 75.00 | $ 750.00 | $ 5,980.00 | $ 6,730.00 | $ 6,730.00 |
| 57 | | | NGVC-1: Smart Vent | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 920.00 | $ 1,107.50 | $ 1,107.50 |
| | | | **MISCELLANEOUS** | | | | | | | | | | |
| | | | **PIPE SUPPORT** | | | | | | | | | | |
| 58 | | | 1" Dia Adjustable Clevis Hanger | EA | 67 | 0% | 67 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 59 | | | 2" Dia Adjustable Clevis Hanger | EA | 373 | 0% | 373 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 60 | | | 4" Dia Adjustable Clevis Hanger | EA | 58 | 0% | 58 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 61 | | | 6" Dia Adjustable Clevis Hanger | EA | 33 | 0% | 33 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 62 | | | 8" Dia Adjustable Clevis Hanger | EA | 7 | 0% | 7 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 63 | | | 3/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 67 | 0% | 67 | 0.05 | $ 75.00 | $ 3.75 | $ 2.17 | $ 5.92 | $ 396.64 |
| 64 | | | 1/2" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 431 | 0% | 431 | 0.10 | $ 75.00 | $ 7.50 | $ 3.28 | $ 10.78 | $ 4,646.18 |
| 65 | | | 5/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 40 | 0% | 40 | 0.11 | $ 75.00 | $ 8.25 | $ 4.77 | $ 13.02 | $ 520.80 |
| | | | **TRENCHING & BACKFILLING** | | | | | | | $ - | | | |
| 66 | | | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Mat | CFT | 120 | 0% | 120 | 0.06 | $ 75.00 | $ 4.50 | $ - | $ 4.50 | $ 540.00 |
| | | | | | | | | | | | | **SUBTOTAL** | **$ 340,087** |
| | | | **PLUMBING** | | | | | | | | | | |
| | | | **COLD WATER PIPE (BELOW GRADE)** | | | | | | | | | | |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2467 Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F656 And ASTM D2564** | | | | | | | | | | |
| 67 | | | 2" Dia Domestic Cold Water Pipe | LF | 34 | 10% | 37 | 0.218 | $ 75.00 | $ 16.37 | $ 9.15 | $ 25.52 | $ 942.33 |
| 68 | | | 2-1/2" Dia Domestic Cold Water Pipe | LF | 39 | 10% | 43 | 0.231 | $ 75.00 | $ 17.33 | $ 15.15 | $ 32.48 | $ 1,383.53 |
| | | | **COLD WATER PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 69 | | | 2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | 0.330 | $ 75.00 | $ 24.75 | $ 2.80 | $ 27.55 | $ 82.65 |
| 70 | | | 2-1/2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 1 | 0% | 1 | 0.419 | $ 75.00 | $ 31.44 | $ 8.00 | $ 39.44 | $ 39.44 |
| | | | **COLD WATER PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | | | | | | | | | |
| 71 | | | 1/2" Dia Domestic Cold Water Pipe | LF | 130 | 10% | 143 | 0.120 | $ 75.00 | $ 9.00 | $ 4.92 | $ 13.92 | $ 1,991.17 |
| 72 | | | 3/4" Dia Domestic Cold Water Pipe | LF | 555 | 10% | 611 | 0.128 | $ 75.00 | $ 9.56 | $ 5.40 | $ 14.96 | $ 9,139.05 |
| 73 | | | 1-1/4" Dia Domestic Cold Water Pipe | LF | 64 | 10% | 70 | 0.154 | $ 75.00 | $ 11.53 | $ 8.05 | $ 19.58 | $ 1,374.64 |
| 74 | | | 1-1/2" Dia Domestic Cold Water Pipe | LF | 4 | 10% | 5 | 0.176 | $ 75.00 | $ 13.22 | $ 9.00 | $ 22.22 | $ 103.14 |
| 75 | | | 2" Dia Domestic Cold Water Pipe | LF | 120 | 10% | 132 | 0.218 | $ 75.00 | $ 16.37 | $ 9.15 | $ 25.52 | $ 3,376.33 |
| 76 | | | 2-1/2" Dia Domestic Cold Water Pipe | LF | 17 | 10% | 19 | 0.231 | $ 75.00 | $ 17.33 | $ 15.15 | $ 32.48 | $ 611.21 |
| | | | **1/2" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | | | | | | | | | |
| 77 | | | 1/2" Dia Domestic Cold Water Pipe | LF | 130 | 10% | 143 | 0.02 | $ 75.00 | $ 1.50 | $ 1.96 | $ 3.46 | $ 494.93 |
| 78 | | | 3/4" Dia Domestic Cold Water Pipe | LF | 555 | 10% | 611 | 0.03 | $ 75.00 | $ 1.88 | $ 1.96 | $ 3.84 | $ 2,342.41 |
| 79 | | | 1-1/4" Dia Domestic Cold Water Pipe | LF | 64 | 10% | 70 | 0.03 | $ 75.00 | $ 2.25 | $ 2.10 | $ 4.35 | $ 305.38 |
| 80 | | | 1-1/2" Dia Domestic Cold Water Pipe | LF | 4 | 10% | 5 | 0.03 | $ 75.00 | $ 2.25 | $ 2.45 | $ 4.70 | $ 21.82 |
| 81 | | | 2" Dia Domestic Cold Water Pipe | LF | 120 | 10% | 132 | 0.04 | $ 75.00 | $ 2.63 | $ 2.45 | $ 5.08 | $ 671.46 |
| 82 | | | 2-1/2" Dia Domestic Cold Water Pipe | LF | 17 | 10% | 19 | 0.04 | $ 75.00 | $ 2.63 | $ 3.00 | $ 5.63 | $ 105.87 |
| | | | **COLD WATER PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 83 | | | 1/2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 21 | 0% | 21 | 0.023 | $ 75.00 | $ 1.69 | $ 0.56 | $ 2.25 | $ 47.20 |
| 84 | | | 3/4" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 33 | 0% | 33 | 0.210 | $ 75.00 | $ 15.75 | $ 0.54 | $ 16.29 | $ 537.57 |
| 85 | | | 1-1/4" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | 0.270 | $ 75.00 | $ 20.25 | $ 1.74 | $ 21.99 | $ 65.97 |
| 86 | | | 2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 7 | 0% | 7 | 0.330 | $ 75.00 | $ 24.75 | $ 2.80 | $ 27.55 | $ 192.85 |
| 87 | | | 2-1/2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.419 | $ 75.00 | $ 31.44 | $ 8.00 | $ 39.44 | $ 78.89 |
| | | | **TEE** | | | | | | | | | | |
| 88 | | | 1/2" Dia Domestic Cold Water Pipe Tee | EA | 1 | 0% | 1 | 0.270 | $ 75.00 | $ 20.25 | $ 0.54 | $ 20.79 | $ 20.79 |
| 89 | | | 3/4" Dia Domestic Cold Water Pipe Tee | EA | 7 | 0% | 7 | 0.316 | $ 75.00 | $ 23.68 | $ 0.67 | $ 24.35 | $ 170.46 |
| 90 | | | 1-1/4" Dia Domestic Cold Water Pipe Tee | EA | 0 | 0% | 0 | 0.406 | $ 75.00 | $ 30.43 | $ 2.05 | $ 32.48 | $ - |
| 91 | | | 2-1/2" Dia Domestic Cold Water Pipe Tee | EA | 1 | 0% | 1 | 0.674 | $ 75.00 | $ 50.57 | $ 10.55 | $ 61.12 | $ 61.12 |
| 92 | | | 1-1/4" / 1/2" Dia Domestic Cold Water Pipe Tee | EA | 7 | 0% | 7 | 0.406 | $ 75.00 | $ 30.43 | $ 2.05 | $ 32.48 | $ 227.37 |
| 93 | | | 1-1/4" / 3/4" Dia Domestic Cold Water Pipe Tee | EA | 1 | 0% | 1 | 0.406 | $ 75.00 | $ 30.43 | $ 2.05 | $ 32.48 | $ 32.48 |
| 94 | | | 1-1/2"/ 3/4" Dia Domestic Cold Water Pipe Tee | EA | 1 | 0% | 1 | 0.452 | $ 75.00 | $ 33.86 | $ 2.42 | $ 36.28 | $ 36.28 |
| 95 | | | 2" / 3/4" Dia Domestic Cold Water Pipe Tee | EA | 2 | 0% | 2 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 81.40 |
| 96 | | | 2" / 1-1/2" Dia Domestic Cold Water Pipe Tee | EA | 1 | 0% | 1 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 40.70 |
| | | | **REDUCER** | | | | | | | | | | |
| 97 | | | 1-1/2" / 1/2" Dia Domestic Cold Water Pipe Reducer | EA | 1 | 0% | 1 | 0.273 | $ 75.00 | $ 20.48 | $ 1.19 | $ 21.67 | $ 21.67 |
| 98 | | | 1-1/2" / 1-1/4" Dia Domestic Cold Water Pipe Reducer | EA | 1 | 0% | 1 | 0.273 | $ 75.00 | $ 20.48 | $ 1.19 | $ 21.67 | $ 21.67 |
| 99 | | | 2-1/2" / 2" Dia Domestic Cold Water Pipe Reducer | EA | 1 | 0% | 1 | 0.300 | $ 75.00 | $ 22.50 | $ 1.96 | $ 24.46 | $ 24.46 |
| | | | **HOT WATER PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | | | | | | | | | |
| 100 | | | 1/2" Dia Domestic Hot Water Pipe | LF | 59 | 10% | 65 | 0.120 | $ 75.00 | $ 9.00 | $ 4.92 | $ 13.92 | $ 899.58 |
| 101 | | | 3/4" Dia Domestic Hot Water Pipe | LF | 81 | 10% | 89 | 0.128 | $ 75.00 | $ 9.56 | $ 5.40 | $ 14.96 | $ 1,336.45 |
| 102 | | | 1-1/4" Dia Domestic Hot Water Pipe | LF | 10 | 10% | 11 | 0.154 | $ 75.00 | $ 11.53 | $ 8.05 | $ 19.58 | $ 206.56 |
| | | | **1" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | | | | | | | | | |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 103 | | | 1/2" Dia Domestic Hot Water Pipe | LF | 59 | 10% | 65 | 0.02 | $ 75.00 | $ 1.50 | $ 1.96 | $ 3.46 | $ 223.60 |
| 104 | | | 3/4" Dia Domestic Hot Water Pipe | LF | 81 | 10% | 89 | 0.03 | $ 75.00 | $ 1.88 | $ 1.96 | $ 3.84 | $ 342.54 |
| 105 | | | 1-1/4" Dia Domestic Hot Water Pipe | LF | 10 | 10% | 11 | 0.03 | $ 75.00 | $ 2.25 | $ 2.10 | $ 4.35 | $ 45.89 |
| | | | **HOT WATER PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 106 | | | 1/2" Dia Domestic Hot Water Pipe 90 Deg Elbow | EA | 11 | 0% | 11 | 0.023 | $ 75.00 | $ 1.69 | $ 0.56 | $ 2.25 | $ 24.72 |
| 107 | | | 3/4" Dia Domestic Hot Water Pipe 90 Deg Elbow | EA | 14 | 0% | 14 | 0.210 | $ 75.00 | $ 15.75 | $ 0.54 | $ 16.29 | $ 228.06 |
| 108 | | | 1-1/4" Dia Domestic Hot Water Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.270 | $ 75.00 | $ 20.25 | $ 1.74 | $ 21.99 | $ 43.98 |
| | | | **TEE** | | | | | | | | | | |
| 109 | | | 3/4" Dia Domestic Hot Water Pipe Tee | EA | 3 | 0% | 3 | 0.316 | $ 75.00 | $ 23.68 | $ 0.67 | $ 24.35 | $ 73.05 |
| 110 | | | 3/4" / 1/2" Dia Domestic Hot Water Pipe Tee | EA | 3 | 0% | 3 | 0.316 | $ 75.00 | $ 23.68 | $ 0.67 | $ 24.35 | $ 73.05 |
| 111 | | | 1-1/4" Dia Domestic Hot Water Pipe Tee | EA | 1 | 0% | 1 | 0.406 | $ 75.00 | $ 30.43 | $ 2.05 | $ 32.48 | $ 32.48 |
| | | | **REDUCER** | | | | | | | | | | |
| 112 | | | 1-1/4" / 3/4" Dia Domestic Hot Water Pipe Reducer | EA | 2 | 0% | 2 | 0.273 | $ 75.00 | $ 20.48 | $ 1.05 | $ 21.53 | $ 43.05 |
| | | | **HOT WATER RETURN PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | | | | | | | | | |
| 113 | | | 3/4" Dia Domestic Hot Water Return Pipe | LF | 135 | 10% | 149 | 0.128 | $ 75.00 | $ 9.56 | $ 5.40 | $ 14.96 | $ 2,225.39 |
| 114 | | | 1" Dia Domestic Hot Water Return Pipe | LF | 35 | 10% | 38 | 0.140 | $ 75.00 | $ 10.46 | $ 5.70 | $ 16.16 | $ 614.97 |
| | | | **1" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | | | | | | | | | |
| 115 | | | 3/4" Dia Domestic Hot Water Return Pipe | LF | 135 | 10% | 149 | 0.03 | $ 75.00 | $ 1.88 | $ 1.96 | $ 3.84 | $ 570.38 |
| 116 | | | 1" Dia Domestic Hot Water Return Pipe | LF | 35 | 10% | 38 | 0.03 | $ 75.00 | $ 2.25 | $ 2.10 | $ 4.35 | $ 165.51 |
| | | | **HOT WATER RETURN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 117 | | | 3/4" Dia Domestic Hot Water Return Pipe 90 Deg Elbow | EA | 8 | 0% | 8 | 0.210 | $ 75.00 | $ 15.75 | $ 0.54 | $ 16.29 | $ 130.32 |
| | | | **TEE** | | | | | | | | | | |
| 118 | | | 3/4" Dia Domestic Hot Water Return Pipe Tee | EA | 4 | 0% | 4 | 0.316 | $ 75.00 | $ 23.68 | $ 0.67 | $ 24.35 | $ 97.41 |
| 119 | | | 3/4" / 1/2" Dia Domestic Hot Water Return Pipe Tee | EA | 1 | 0% | 1 | 0.316 | $ 75.00 | $ 23.68 | $ 0.62 | $ 24.30 | $ 24.30 |
| | | | **WATER MAKE UP PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2467 Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F656 And ASTM D2564** | | | | | | | | | | |
| 120 | | | 3/4" Dia Water Make Up Pipe | LF | 468 | 10% | 514 | 0.118 | $ 75.00 | $ 8.83 | $ 5.40 | $ 14.23 | $ 7,318.58 |
| 121 | | | 1" Dia Water Make Up Pipe | LF | 43 | 10% | 47 | 0.131 | $ 75.00 | $ 9.79 | $ 5.75 | $ 15.54 | $ 732.53 |
| 122 | | | 2" Dia Water Make Up Pipe | LF | 328 | 10% | 361 | 0.203 | $ 75.00 | $ 15.24 | $ 9.15 | $ 24.39 | $ 8,798.85 |
| | | | **WATER MAKE UP PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 123 | | | 3/4" Dia Water Make Up Pipe 90 Deg Elbow | EA | 13 | 0% | 13 | 0.210 | $ 75.00 | $ 15.75 | $ 0.54 | $ 16.29 | $ 211.77 |
| 124 | | | 2" Dia Water Make Up Pipe 90 Deg Elbow | EA | 1 | 0% | 1 | 0.330 | $ 75.00 | $ 24.75 | $ 2.80 | $ 27.55 | $ 27.55 |
| 125 | | | 2" Dia Water Make Up Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | 0.330 | $ 75.00 | $ 24.75 | $ 2.80 | $ 27.55 | $ 82.65 |
| | | | **TEE** | | | | | | | | | | |
| 126 | | | 3/4" Dia Water Make Up Pipe Tee | EA | 2 | 0% | 2 | 0.316 | $ 75.00 | $ 23.68 | $ 0.67 | $ 24.35 | $ 48.70 |
| 127 | | | 2" Dia Water Make Up Pipe Tee | EA | 1 | 0% | 1 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 40.70 |
| 128 | | | 2" / 3/4" Dia Water Make Up Pipe Tee | EA | 2 | 0% | 2 | 0.496 | $ 75.00 | $ 37.18 | $ 3.25 | $ 40.43 | $ 80.86 |
| 129 | | | 2" / 1" Dia Water Make Up Pipe Tee | EA | 1 | 0% | 1 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 40.70 |
| | | | **REDUCER** | | | | | | | | | | |
| 130 | | | 2" / 3/4" Dia Water Make Up Pipe Reducer | EA | 2 | 0% | 2 | 0.300 | $ 75.00 | $ 22.50 | $ 1.96 | $ 24.46 | $ 48.92 |
| | | | **WATER MAKE UP PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | | | | | | | | | |
| 131 | | | 3/4" Dia Water Make Up Pipe | LF | 24 | 10% | 26 | 0.118 | $ 75.00 | $ 8.83 | $ 5.40 | $ 14.23 | $ 375.71 |
| 132 | | | 2" Dia Water Make Up Pipe | LF | 12 | 10% | 13 | 0.203 | $ 75.00 | $ 15.24 | $ 9.15 | $ 24.39 | $ 322.00 |
| | | | **1" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | | | | | | | | | |
| 133 | | | 3/4" Dia Water Make Up Pipe | LF | 24 | 10% | 26 | 0.03 | $ 75.00 | $ 1.88 | $ 1.96 | $ 3.84 | $ 101.24 |

## DETAILED BREAKDOWN OF ITEMS

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**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 134 | | | 2" Dia Water Make Up Pipe | LF | 12 | 10% | 13 | 0.04 | $ 75.00 | $ 2.63 | $ 2.10 | $ 4.73 | $ 62.37 |
| | | | **WASTE PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **SCH 40 Solid Wall PVC Pipe, ASTM D1785 W/ SCH 40 PVC DWV Fittings, ASTM D1785** | | | | | | | | | | |
| 135 | | | 1-1/4" Dia Waste Pipe | LF | 2 | 10% | 2 | 0.143 | $ 75.00 | $ 10.69 | $ 7.90 | $ 18.59 | $ 40.89 |
| 136 | | | 1-1/2" Dia Waste Pipe | LF | 15 | 10% | 16 | 0.167 | $ 75.00 | $ 12.49 | $ 8.20 | $ 20.69 | $ 332.70 |
| 137 | | | 2" Dia Waste Pipe | LF | 75 | 10% | 82 | 0.203 | $ 75.00 | $ 15.24 | $ 9.15 | $ 24.39 | $ 2,011.95 |
| 138 | | | 3" Dia Waste Pipe | LF | 7 | 10% | 8 | 0.227 | $ 75.00 | $ 16.99 | $ 16.25 | $ 33.24 | $ 253.37 |
| 139 | | | 4" Dia Waste Pipe | LF | 829 | 10% | 911 | 0.250 | $ 75.00 | $ 18.73 | $ 21.50 | $ 40.23 | $ 36,670.06 |
| | | | **WASTE PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 140 | | | 1-1/4" Dia Waste Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.270 | $ 75.00 | $ 20.25 | $ 1.74 | $ 21.99 | $ 43.98 |
| 141 | | | 1-1/2" Dia Waste Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | 0.300 | $ 75.00 | $ 22.50 | $ 2.00 | $ 24.50 | $ 73.50 |
| 142 | | | 2" Dia Waste Pipe 90 Deg Elbow | EA | 4 | 0% | 4 | 0.330 | $ 75.00 | $ 24.75 | $ 2.80 | $ 27.55 | $ 110.20 |
| 143 | | | 3" Dia Waste Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.524 | $ 75.00 | $ 39.32 | $ 9.55 | $ 48.87 | $ 97.74 |
| 144 | | | 4" Dia Waste Pipe 90 Deg Elbow | EA | 24 | 0% | 24 | 0.659 | $ 75.00 | $ 49.44 | $ 17.10 | $ 66.54 | $ 1,597.05 |
| 145 | | | 1-1/4" Dia Waste Pipe 45 Deg Elbow | EA | 2 | 0% | 2 | 0.270 | $ 75.00 | $ 20.25 | $ 1.85 | $ 22.10 | $ 44.20 |
| 146 | | | 1-1/2" Dia Waste Pipe 45 Deg Elbow | EA | 2 | 0% | 2 | 0.300 | $ 75.00 | $ 22.50 | $ 2.35 | $ 24.85 | $ 49.70 |
| 147 | | | 2" Dia Waste Pipe 45 Deg Elbow | EA | 7 | 0% | 7 | 0.330 | $ 75.00 | $ 24.75 | $ 3.08 | $ 27.83 | $ 194.81 |
| 148 | | | 3" Dia Waste Pipe 45 Deg Elbow | EA | 2 | 0% | 2 | 0.524 | $ 75.00 | $ 39.32 | $ 12.20 | $ 51.52 | $ 103.04 |
| 149 | | | 4" Dia Waste Pipe 45 Deg Elbow | EA | 47 | 0% | 47 | 0.659 | $ 75.00 | $ 49.44 | $ 22.50 | $ 71.94 | $ 3,381.36 |
| | | | **WYE** | | | | | | | | | | |
| 150 | | | 1-1/2" Dia Waste Pipe Wye | EA | 1 | 0% | 1 | 0.452 | $ 75.00 | $ 33.86 | $ 2.42 | $ 36.28 | $ 36.28 |
| 151 | | | 2" Dia Waste Pipe Wye | EA | 2 | 0% | 2 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 81.40 |
| 152 | | | 3" Dia Waste Pipe Wye | EA | 1 | 0% | 1 | 0.790 | $ 75.00 | $ 59.23 | $ 12.00 | $ 71.23 | $ 71.23 |
| 153 | | | 4" Dia Waste Pipe Wye | EA | 47 | 0% | 47 | 0.992 | $ 75.00 | $ 74.36 | $ 25.50 | $ 99.86 | $ 4,693.54 |
| 154 | | | 2" / 1-1/4" Dia Waste Pipe Wye | EA | 2 | 0% | 2 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 81.40 |
| 155 | | | 2" / 1-1/2" Dia Waste Pipe Wye | EA | 2 | 0% | 2 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 81.40 |
| 156 | | | 4" / 2" Dia Waste Pipe Wye | EA | 10 | 0% | 10 | 0.992 | $ 75.00 | $ 74.36 | $ 25.50 | $ 99.86 | $ 998.63 |
| 157 | | | 4" / 3" Dia Waste Pipe Wye | EA | 1 | 0% | 1 | 0.992 | $ 75.00 | $ 74.36 | $ 25.50 | $ 99.86 | $ 99.86 |
| | | | **REDUCER** | | | | | | | | | | |
| 158 | | | 2" / 1-1/4" Dia Waste Pipe Reducer | EA | 2 | 0% | 2 | 0.300 | $ 75.00 | $ 22.50 | $ 1.96 | $ 24.46 | $ 48.92 |
| 159 | | | 2" / 1-1/2" Dia Waste Pipe Reducer | EA | 1 | 0% | 1 | 0.300 | $ 75.00 | $ 22.50 | $ 1.96 | $ 24.46 | $ 24.46 |
| 160 | | | 3" / 2" Dia Waste Pipe Reducer | EA | 1 | 0% | 1 | 0.450 | $ 75.00 | $ 33.75 | $ 7.36 | $ 41.11 | $ 41.11 |
| 161 | | | 4" / 2" Dia Waste Pipe Reducer | EA | 9 | 0% | 9 | 0.600 | $ 75.00 | $ 45.00 | $ 10.35 | $ 55.35 | $ 498.15 |
| | | | **VENT PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **SCH 40 Solid Wall PVC Pipe, ASTM D1785 W/ SCH 40 PVC DWV Fittings, ASTM D1785** | | | | | | | | | | |
| 162 | | | 8" Dia Vent Pipe | LF | 20 | 10% | 22 | 0.375 | $ 75.00 | $ 28.13 | $ 66.00 | $ 94.13 | $ 2,044.87 |
| | | | **VENT PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 163 | | | 8" Dia Vent Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | 1.748 | $ 75.00 | $ 131.06 | $ 140.00 | $ 271.06 | $ 813.19 |
| 164 | | | 8" Dia Vent Pipe 45 Deg Elbow | EA | 1 | 0% | 1 | 1.748 | $ 75.00 | $ 131.06 | $ 140.00 | $ 271.06 | $ 271.06 |
| | | | **VENT PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **SCH 40 Solid Wall PVC Pipe, ASTM D1785 W/ SCH 40 PVC DWV Fittings, ASTM D1785** | | | | | | | | | | |
| 165 | | | 1-1/4" Dia Vent Pipe | LF | 27 | 10% | 29 | 0.143 | $ 75.00 | $ 10.69 | $ 7.90 | $ 18.59 | $ 545.71 |
| 166 | | | 1-1/2" Dia Vent Pipe | LF | 44 | 10% | 49 | 0.167 | $ 75.00 | $ 12.49 | $ 8.20 | $ 20.69 | $ 1,006.96 |
| 167 | | | 2" Dia Vent Pipe | LF | 367 | 10% | 404 | 0.203 | $ 75.00 | $ 15.24 | $ 9.15 | $ 24.39 | $ 9,843.46 |
| 168 | | | 4" Dia Vent Pipe | LF | 8 | 10% | 9 | 0.250 | $ 75.00 | $ 18.73 | $ 21.50 | $ 40.23 | $ 354.04 |
| 169 | | | 8" Dia Vent Pipe | LF | 15 | 10% | 17 | 0.375 | $ 75.00 | $ 28.13 | $ 66.00 | $ 94.13 | $ 1,553.06 |
| | | | **VENT PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 170 | | | 1-1/4" Dia Vent Pipe 90 Deg Elbow | EA | 1 | 0% | 1 | 0.270 | $ 75.00 | $ 20.25 | $ 1.74 | $ 21.99 | $ 21.99 |
| 171 | | | 1-1/2" Dia Vent Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.300 | $ 75.00 | $ 22.50 | $ 2.00 | $ 24.50 | $ 49.00 |
| 172 | | | 2" Dia Vent Pipe 90 Deg Elbow | EA | 12 | 0% | 12 | 0.330 | $ 75.00 | $ 24.75 | $ 2.80 | $ 27.55 | $ 330.60 |
| 173 | | | 2" Dia Vent Pipe 45 Deg Elbow | EA | 5 | 0% | 5 | 0.330 | $ 75.00 | $ 24.75 | $ 3.08 | $ 27.83 | $ 139.15 |
| | | | **TEE** | | | | | | | | | | |
| 174 | | | 1-1/2" Dia Vent Pipe Tee | EA | 1 | 0% | 1 | 0.452 | $ 75.00 | $ 33.86 | $ 2.42 | $ 36.28 | $ 36.28 |

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**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 175 | | | 2" Dia Vent Pipe Tee | EA | 10 | 0% | 10 | 0.496 | $ 75.00 | $ 37.18 | $ 3.52 | $ 40.70 | $ 407.01 |
| 176 | | | 4" Dia Vent Pipe Tee | EA | 1 | 0% | 1 | 0.992 | $ 75.00 | $ 74.36 | $ 25.50 | $ 99.86 | $ 99.86 |
| 177 | | | 4" / 2" Dia Vent Pipe Tee | EA | 2 | 0% | 2 | 0.992 | $ 75.00 | $ 74.36 | $ 25.50 | $ 99.86 | $ 199.73 |
| | | | **REDUCER** | | | | | | | | | | |
| 178 | | | 2" / 1-1/2" Dia Vent Pipe Reducer | EA | 1 | 0% | 1 | 0.300 | $ 75.00 | $ 22.50 | $ 1.96 | $ 24.46 | $ 24.46 |
| 179 | | | 4" / 2" Dia Vent Pipe Reducer | EA | 2 | 0% | 2 | 0.600 | $ 75.00 | $ 45.00 | $ 10.35 | $ 55.35 | $ 110.70 |
| | | | **STORM DRAIN PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **SCH 40 PVC Pipe, ASTM D1785, NSF/ANSI 61 Certified W/ SCH 40 PVC Fittings, ASTM D2466, NSF/ANSI 61 Certified** | | | | | | | | | | |
| 180 | | | 4" Dia Storm Drain Pipe | LF | 46 | 10% | 51 | 0.250 | $ 75.00 | $ 18.73 | $ 21.50 | $ 40.23 | $ 2,038.80 |
| 181 | | | 8" Dia Storm Drain Pipe | LF | 37 | 10% | 40 | 0.375 | $ 75.00 | $ 28.13 | $ 66.00 | $ 94.13 | $ 3,810.18 |
| | | | **STORM DRAIN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 182 | | | 4" Dia Storm Drain Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.659 | $ 75.00 | $ 49.44 | $ 17.10 | $ 66.54 | $ 133.09 |
| 183 | | | 8" Dia Storm Drain Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 1.748 | $ 75.00 | $ 131.06 | $ 140.00 | $ 271.06 | $ 542.13 |
| 184 | | | 8" Dia Storm Drain Pipe 45 Deg Elbow | EA | 2 | 0% | 2 | 1.748 | $ 75.00 | $ 131.06 | $ 132.00 | $ 263.06 | $ 526.13 |
| | | | **WYE** | | | | | | | | | | |
| 185 | | | 8" Dia Storm Drain Pipe Wye | EA | 2 | 0% | 2 | 2.647 | $ 75.00 | $ 198.51 | $ 198.00 | $ 396.51 | $ 793.01 |
| | | | **STORM DRAIN PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **SCH 40 PVC Pipe, ASTM D1785, NSF/ANSI 61 Certified W/ SCH 40 PVC Fittings, ASTM D2466, NSF/ANSI 61 Certified** | | | | | | | | | | |
| 186 | P-100, P-101, P-201, P231, P510 & P801 | | 8" Dia Storm Drain Pipe | LF | 741 | 10% | 815 | 0.375 | $ 75.00 | $ 28.13 | $ 66.00 | $ 94.13 | $ 76,752.35 |
| | | | **STORM DRAIN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 187 | | | 8" Dia Storm Drain Pipe 90 Deg Elbow | EA | 8 | 0% | 8 | 1.748 | $ 75.00 | $ 131.06 | $ 140.00 | $ 271.06 | $ 2,168.50 |
| 188 | | | 8" Dia Storm Drain Pipe 45 Deg Elbow | EA | 14 | 0% | 14 | 1.748 | $ 75.00 | $ 131.06 | $ 132.00 | $ 263.06 | $ 3,682.88 |
| | | | **WYE** | | | | | | | | | | |
| 189 | | | 8" Dia Storm Drain Pipe Wye | EA | 14 | 0% | 14 | 2.647 | $ 75.00 | $ 198.51 | $ 198.00 | $ 396.51 | $ 5,551.09 |
| | | | **OVERFLOW DRAIN PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | **Assumed** | **SCH 40 PVC Pipe, ASTM D1785, NSF/ANSI 61 Certified W/ SCH 40 PVC Fittings, ASTM D2466, NSF/ANSI 61 Certified** | | | | | | | | | | |
| 190 | | | 8" Dia Overflow Drain Pipe | LF | 20 | 10% | 22 | 0.375 | $ 75.00 | $ 28.13 | $ 66.00 | $ 94.13 | $ 2,057.29 |
| | | | **OVERFLOW DRAIN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 191 | | | 8" Dia Overflow Drain Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 1.748 | $ 75.00 | $ 131.06 | $ 140.00 | $ 271.06 | $ 542.13 |
| | | | **CONDENSATE PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | **Assumed** | **Type "M" Copper Pipe** | | | | | | | | | | |
| 192 | | | 3/4" Dia Condensate Drain Pipe | LF | 548 | 10% | 603 | 0.077 | $ 72.00 | $ 5.56 | $ 4.40 | $ 9.96 | $ 6,005.20 |
| 193 | | | 1" Dia Condensate Drain Pipe | LF | 301 | 10% | 331 | 0.086 | $ 72.00 | $ 6.16 | $ 6.60 | $ 12.76 | $ 4,220.00 |
| | | | **OVERFLOW DRAIN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 194 | | | 3/4" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 42 | 0% | 42 | 0.316 | $ 72.00 | $ 22.73 | $ 5.40 | $ 28.13 | $ 1,181.63 |
| 195 | | | 1" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 32 | 0% | 32 | 0.375 | $ 72.00 | $ 27.00 | $ 13.45 | $ 40.45 | $ 1,294.40 |
| | | | **TEE** | | | | | | | | | | |
| 196 | | | 3/4" Dia Condensate Drain Pipe Tee | EA | 30 | 0% | 30 | 0.500 | $ 48.00 | $ 24.01 | $ 14.25 | $ 38.26 | $ 1,147.86 |
| 197 | | | 1" Dia Condensate Drain Pipe Tee | EA | 12 | 0% | 12 | 0.600 | $ 48.00 | $ 28.80 | $ 26.00 | $ 54.80 | $ 657.60 |
| | | | **REDUCER** | | | | | | | | | | |
| 198 | | | 1" / 3/4" Dia Condensate Drain Pipe Reducer | EA | 2 | 0% | 2 | 0.600 | $ 75.00 | $ 45.00 | $ 34.00 | $ 79.00 | $ 158.00 |
| | | | **PLUMBING FIXTURES** | | | | | | | | | | |
| 199 | | | EWC-1: Mechanical Push bar Actuated Water Cooler, ELKAY LVRCGRNTL8WSK, Flow Rate: 8 GPM,<br>Remarks:<br>1: Provide All Required Accessories And Appurtenances, Including But Not Limited To; Couplings, Studs & Gaskets, Supplies & Stops, Escutcheons, Tailpiece's, And P-Traps. | EA | 1 | 0% | 1 | 8.25 | $ 75.00 | $ 618.75 | $ 6,408.00 | $ 7,026.75 | $ 7,026.75 |
| 200 | | | MSB-1: Cleaners Sink, FIAT MSBIDTG2424, Flow Rate: 2.5 GPM<br>Remarks:<br>1: 24" X 24" Molded Stone Mop Service Basin, 10" Deep, Integral Drain Is Molded Into A One Piece, 3" Drain Pipe. | EA | 1 | 0% | 1 | 3.25 | $ 75.00 | $ 243.75 | $ 743.59 | $ 987.34 | $ 987.34 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | | | OB-1: Water Outlet Box, OATEY 39140,<br>Remarks:<br>1: Provide All Required Accessories And Appurtenances, Including But Not Limited To; Couplings, Studs & Gaskets, Supplies & Stops, Escutcheons, Tailpieces, And P-Traps | EA | 2 | 0% | 2 | 0.95 | $ 75.00 | $ 71.25 | $ 158.81 | $ 230.06 | $ 460.12 |
| 202 | | | SH-1: Shower And Drain, BESTBATH LCS26540W75B, Flow Rate: 1.38 GPM<br>Remarks:<br>1: Provide All Required Accessories And Appurtenances, Including But Not Limited To; Couplings, Studs & Gaskets, Supplies & Stops, Escutcheons, Tailpiece's, And P-Traps. | EA | 1 | 0% | 1 | 6.52 | $ 75.00 | $ 489.08 | $ 4,428.00 | $ 4,917.08 | $ 4,917.08 |
| 203 | | | SK-1: Sink, ELKAY LRADQ2219, Flow Rate: 2.2 GPM<br>Remarks:<br>1: Provide All Required Accessories And Appurtenances, Including But Not Limited To Couplings, Studs & Gaskets, Supplies & Stops, Escutcheons, Tailpiece's, And P-Traps. | EA | 1 | 0% | 1 | 3.21 | $ 75.00 | $ 240.75 | $ 1,450.08 | $ 1,690.83 | $ 1,690.83 |
| 204 | | | WB-1: Lavatory, AMERICAN STANDARD ORBIT 0630, Flow Rate: 0.35 GPM<br>Remarks:<br>1: Provide All Required Accessories And Appurtenances, Including But Not Limited To; Couplings, Studs & Gaskets, Supplies & Stops, Escutcheons, Tailpiece's, And P-Traps. | EA | 2 | 0% | 2 | 0.76 | $ 75.00 | $ 56.85 | $ 239.58 | $ 296.43 | $ 592.86 |
| 205 | | | WC-1: Water Closet (ADA), AMERICAN STANDARD AFWALL MILLENIUM 3351.101, Flow Rate: 1.28 GPF<br>Remarks:<br>1: VITREOUS CHINA, Elongated Bowl W/ Flush Valve (Includes Step Down Transformer, (For Up To 5 Fixtures) EL-154 Transformer (120 Vac/24 Vac 50 Va). Provide With Vbf-71-A1 Vacuum Breaker Trap Primer Kit. | EA | 2 | 0% | 2 | 3.52 | $ 75.00 | $ 264.00 | $ 920.40 | $ 1,184.40 | $ 2,368.80 |
| 206 | | | EEWS-1: Portable Emergency Shower And Eye Wash Station, HUGHES 40K45G<br>Remarks:<br>1: 30 Gallons Capacity, Stainless Steel, Self Contained Safety Shower With Eye Wash. Provide With Hand Lever For Shower Operation. | EA | 3 | 0% | 3 | 15.20 | $ 75.00 | $ 1,140.00 | $ 10,993.20 | $ 12,133.20 | $ 36,399.60 |
| 207 | | | 3/4" Dia HB-1: Hose Bibb, MIFAB HY-9241-NPB<br>Remarks:<br>1: Exposed Type, Low-Lead, Mild Climate, 3/4" Male Hose Connection, Anti-Siphon Vacuum Breaker, Polished Chrome Plated Finish, And Operating Key. | EA | 4 | 0% | 4 | 0.72 | $ 75.00 | $ 53.63 | $ 185.99 | $ 239.61 | $ 958.45 |
| 208 | | | 3/4" Dia HB-2: Utility Yard Hydrants, AY R. SMITH 5675-H<br>Remarks:<br>1: Rough Finish Brass Body With Machined Brass Vandal-Resistant Lock Shield Bonnet, Removable Wheel Handle, 3/4" Hose Connection, And Asse 1011 Vacuum Breaker. | EA | 6 | 0% | 6 | 0.66 | $ 75.00 | $ 49.50 | $ 107.99 | $ 157.49 | $ 944.93 |
| 209 | | | 3/4" Dia HB-3: Hose Bibb, MIFAB HY-9041-NPB<br>Remarks:<br>1: Exposed Type, Low-Lead, Mild Climate, 3/4" Male Hose Connection, Anti-Siphon Vacuum Breaker, Rough Bronze Finish, And Operating Key. | EA | 2 | 0% | 2 | 0.70 | $ 75.00 | $ 52.50 | $ 144.00 | $ 196.50 | $ 393.00 |
| 210 | | | 4" Dia FS-1: Floor Sink, JAY R. SMITH 3160C-14-PDBS<br>Remarks:<br>1: 10" Deep Body Caulk Outlet, Cast Iron Flanged Receptor With Seepage Holes Full Grate With 2-1/2" Sq Center Hole, Nickel Bronze Rim And Secured Ada Grate Polished Aluminum Dome Bottom Strainer. Refer To Plans For Trap Guard | EA | 3 | 0% | 3 | 2.21 | $ 75.00 | $ 165.75 | $ 976.68 | $ 1,142.43 | $ 3,427.29 |
| | | | **DOMESTIC HOT WATER GERERATOR** | | | | | | | $ - | | | |
| 211 | | | DHWG-1: Domestic Hot Water Generator, RHEEM E40A-6-G, Storage (Gallon): 40, Recovery: 50 GPH @ 50°F Rise, EWT (°F): 68, LWT (°F) 140, Inlet (Inches): 3/4, Outlet (Inches): 3/4, Electrical: V/Ph/HZ: 208/1/60, KW: 6, Amps: 29,<br>Remarks:<br>1: Electric, Tank Type | EA | 1 | 0% | 1 | 55.00 | $ 75.00 | $ 4,125.00 | $ 11,555.00 | $ 15,680.00 | $ 15,680.00 |
| | | | **WATER HEATER DETAIL** | | | | | | | $ - | | | |
| 212 | | | 3/4" Dia Vacuum Relief Valve | EA | 1 | 0% | 1 | 0.51 | $ 75.00 | $ 38.25 | $ 48.51 | $ 86.76 | $ 86.76 |
| 213 | | | 3/4" Dia Pressure Gauge | EA | 2 | 0% | 2 | 0.55 | $ 75.00 | $ 41.25 | $ 56.00 | $ 97.25 | $ 194.50 |
| 214 | | | 3/4" Dia Union | EA | 7 | 0% | 7 | 0.42 | $ 75.00 | $ 31.50 | $ 32.00 | $ 63.50 | $ 444.50 |
| 215 | | | Thermostat | EA | 2 | 0% | 2 | 0.93 | $ 75.00 | $ 69.38 | $ 110.00 | $ 179.38 | $ 358.75 |
| 216 | | | 3/4" Dia Strainer | EA | 2 | 0% | 2 | 0.40 | $ 75.00 | $ 30.00 | $ 29.90 | $ 59.90 | $ 119.80 |
| 217 | | | 3/4" Dia Check Valve | EA | 3 | 0% | 3 | 0.41 | $ 75.00 | $ 30.75 | $ 33.40 | $ 64.15 | $ 192.45 |

## DETAILED BREAKDOWN OF ITEMS

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**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 218 | | | 3/4" Dia T&P: Temperature And Pressure Relief Valve | EA | 1 | 0% | 1 | 0.89 | $ 75.00 | $ 66.75 | $ 84.25 | $ 151.00 | $ 151.00 |
| 219 | | | 3/4" Dia Shutoff Valve | EA | 6 | 0% | 6 | 0.45 | $ 75.00 | $ 33.75 | $ 39.00 | $ 72.75 | $ 436.50 |
| 220 | | | 1-1/4" Dia Shutoff Valve | EA | 2 | 0% | 2 | 0.55 | $ 75.00 | $ 41.25 | $ 69.32 | $ 110.57 | $ 221.14 |
| 221 | | | Aquastat | EA | 1 | 0% | 1 | 1.21 | $ 75.00 | $ 90.75 | $ 191.25 | $ 282.00 | $ 282.00 |
| 222 | | | ET-1: Expansion Tank, AMTROL ST-12-C, Tank Volume (Gallon): 24.2, Accepte | EA | 1 | 0% | 1 | 3.50 | $ 75.00 | $ 262.50 | $ 1,752.00 | $ 2,014.50 | $ 2,014.50 |
| | | | **PUMP** | | | | | | | $ - | | | |
| 223 | | | BP-1: Domestic Water Booster Pump, XYLEM EMVP-D10G, Pump No: 2, Pressu | EA | 1 | 0% | 1 | 2.51 | $ 75.00 | $ 188.25 | $ 1,635.90 | $ 1,824.15 | $ 1,824.15 |
| 224 | | | DHWP1: Domestic Hot Water Recirculation Pump, GRUNDFOS ALPHA1 CS 15 | EA | 1 | 0% | 1 | 1.52 | $ 75.00 | $ 114.00 | $ 576.18 | $ 690.18 | $ 690.18 |
| | | | **RAINWATER PURIFICATION** | | | | | | | $ - | | | |
| 225 | | | RWT-1: Rainwater Purification Skid, RAINWATER MANAGEMENT SOLUTIO | EA | 1 | 0% | 1 | 3.25 | $ 75.00 | $ 243.75 | $ 2,660.00 | $ 2,903.75 | $ 2,903.75 |
| | | | **REDUCED PRESSURE ZONE VALVE** | | | | | | | $ - | | | |
| 226 | | | 2-1/2" Dia RPZ-1: Reduced Pressure Zone Valve, WATTS LF909OSY Remarks: | EA | 1 | 0% | 1 | 15.00 | $ 75.00 | $ 1,125.00 | $ 5,546.20 | $ 6,671.20 | $ 6,671.20 |
| 227 | | | 2" Dia RPZ-2: Backflow Preventer, WATTS LF009M2-FS Remarks: 1: Lead Free | EA | 1 | 0% | 1 | 2.60 | $ 75.00 | $ 195.00 | $ 1,699.24 | $ 1,894.24 | $ 1,894.24 |
| | | | **REDUCED PRESSURE ZONE DETAILS** | | | | | | | $ - | | | |
| 228 | | | 2-1/2" Dia Air Gap | EA | 1 | 0% | 1 | 1.53 | $ 75.00 | $ 114.90 | $ 209.88 | $ 324.78 | $ 324.78 |
| 229 | | | 3/4" Dia Pressure Gauge | EA | 2 | 0% | 2 | 0.55 | $ 75.00 | $ 41.25 | $ 56.00 | $ 97.25 | $ 194.50 |
| 230 | | | 2-1/2" Dia Strainer | EA | 1 | 0% | 1 | 0.45 | $ 75.00 | $ 33.90 | $ 32.15 | $ 66.05 | $ 66.05 |
| | | | **MISCELLANEOUS** | | | | | | | $ - | | | |
| 231 | | | 2" Dia Vent Through Roof | EA | 7 | 0% | 7 | 0.82 | $ 75.00 | $ 61.13 | $ 78.25 | $ 139.38 | $ 975.63 |
| 232 | | | 4" Dia Vent Through Roof | EA | 1 | 0% | 1 | 1.01 | $ 75.00 | $ 75.75 | $ 118.00 | $ 193.75 | $ 193.75 |
| 233 | | | 8" Dia Vent Through Roof | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 185.40 | $ 279.15 | $ 279.15 |
| 234 | | | Sump Pit, 12"x12"x24" | EA | 1 | 0% | 1 | 2.20 | $ 75.00 | $ 165.00 | $ 250.00 | $ 415.00 | $ 415.00 |
| 235 | | | 2" Dia Wye-Strainer | EA | 1 | 0% | 1 | 0.93 | $ 75.00 | $ 69.38 | $ 125.00 | $ 194.38 | $ 194.38 |
| 236 | | | WM-1: Water Meter, FERGUSON IMAG 4700 SERIES Remarks: 1: Flanged Ele | EA | 1 | 0% | 1 | 3.21 | $ 75.00 | $ 240.75 | $ 2,550.00 | $ 2,790.75 | $ 2,790.75 |
| 237 | | | 1/2" Dia Water Hammer Arrestor | EA | 2 | 0% | 2 | 0.38 | $ 75.00 | $ 28.50 | $ 40.15 | $ 68.65 | $ 137.30 |
| 238 | | | 3/4" Dia Diverting Orifice | EA | 1 | 0% | 1 | 0.82 | $ 75.00 | $ 61.58 | $ 107.20 | $ 168.78 | $ 168.78 |
| 239 | | | 1-1/4" Dia Thermostat | EA | 1 | 0% | 1 | 0.80 | $ 75.00 | $ 60.00 | $ 75.00 | $ 135.00 | $ 135.00 |
| 240 | | | 1-1/4" Dia Diverting Orifice | EA | 3 | 0% | 3 | 0.41 | $ 75.00 | $ 30.75 | $ 32.51 | $ 63.26 | $ 189.78 |
| 241 | | | 2" Dia By-Pass With SOV (N.C) | EA | 1 | 0% | 1 | 1.21 | $ 75.00 | $ 90.75 | $ 188.10 | $ 278.85 | $ 278.85 |
| | | | **CLEANOUTS & DRAINS** | | | | | | | $ - | | | |
| 242 | | | 2" Dia FCO-1: Floor Cleanout,Remarks: 1: Refer To Specification | EA | 1 | 0% | 1 | 0.69 | $ 75.00 | $ 51.75 | $ 112.50 | $ 164.25 | $ 164.25 |
| 243 | | | 4" Dia FCO-1: Floor Cleanout,Remarks: 1: Refer To Specification | EA | 8 | 0% | 8 | 0.75 | $ 75.00 | $ 56.25 | $ 165.20 | $ 221.45 | $ 1,771.60 |
| 244 | | | 4" Dia FD-1: Floor Drain, JAY R. SMITH 2131-C-G, Remarks: 1: Deep Body Cau | EA | 22 | 0% | 22 | 1.19 | $ 75.00 | $ 88.88 | $ 463.03 | $ 551.91 | $ 12,141.91 |
| 245 | | | 4" Dia FD-2: Floor Drain, JAY R. SMITH 2010B-B05NB-P050 Remarks: 1: Light | EA | 3 | 0% | 3 | 1.07 | $ 75.00 | $ 79.88 | $ 337.00 | $ 416.88 | $ 1,250.63 |
| 246 | | | 4" Dia FD-3: Floor Drain, JAY R. SMITH 2131-C-G, Remarks: 1: Deep Body Cau | EA | 1 | 0% | 1 | 1.19 | $ 75.00 | $ 88.88 | $ 463.03 | $ 551.91 | $ 551.91 |
| 247 | | | 4" Dia WCO-1: Wall CleanoutREFER TO SPECIFICATION. | EA | 3 | 0% | 3 | 0.84 | $ 75.00 | $ 63.00 | $ 215.00 | $ 278.00 | $ 834.00 |
| 248 | | | 3/4" Dia PCO: Process Cleanout | EA | 9 | 0% | 9 | 0.41 | $ 75.00 | $ 30.94 | $ 63.18 | $ 94.12 | $ 847.06 |
| 249 | | | 1" Dia PCO: Process Cleanout | EA | 5 | 0% | 5 | 0.45 | $ 75.00 | $ 33.75 | $ 75.04 | $ 108.79 | $ 543.95 |
| 250 | | | 4" Dia GCO: Ground Cleanout | EA | 2 | 0% | 2 | 1.20 | $ 75.00 | $ 90.00 | $ 120.50 | $ 210.50 | $ 421.00 |
| 251 | | | 8" Dia PCO: Process Cleanout | EA | 4 | 0% | 4 | 1.25 | $ 75.00 | $ 93.38 | $ 175.95 | $ 269.33 | $ 1,077.30 |
| | | | **VALVES** | | | | | | | $ - | | | |
| 252 | | | 3/4" Dia BV-1: Balancing Valve, CIRCUIT SOLVER CSUAS-3/4-115-CV1-TW, | EA | 1 | 0% | 1 | 0.92 | $ 75.00 | $ 69.00 | $ 179.90 | $ 248.90 | $ 248.90 |
| 253 | | | 3/4" Dia BV-2: Balancing Valve, CIRCUIT SOLVER CSUAS-3/4-115-CV1-TW, | EA | 1 | 0% | 1 | 0.92 | $ 75.00 | $ 69.00 | $ 179.90 | $ 248.90 | $ 248.90 |
| 254 | | | 3/4" DIA TMV-1: Thermostatic Mixing Valve, ATRMSTRONG MODEL 320, Mi | EA | 1 | 0% | 1 | 2.22 | $ 75.00 | $ 166.13 | $ 2,113.70 | $ 2,279.83 | $ 2,279.83 |
| 255 | | | 4" Dia PCV-1: Post Indicator Valve, AMERICAN 2500 SERIES, Rough-In (Inche | EA | 1 | 0% | 1 | 1.41 | $ 75.00 | $ 105.75 | $ 402.90 | $ 508.65 | $ 508.65 |
| 256 | | | 8" Dia BW-1: Backwater Valve, SPEARS S875P, Rough-In (Inches): In: 8, Out: 8 | EA | 1 | 0% | 1 | 3.15 | $ 75.00 | $ 236.25 | $ 4,125.83 | $ 4,362.08 | $ 4,362.08 |
| 257 | | | 1/2" Dia Shutoff Valve | EA | 17 | 0% | 17 | 0.42 | $ 75.00 | $ 31.13 | $ 32.10 | $ 63.23 | $ 1,074.83 |
| 258 | | | 3/4" Dia Shutoff Valve | EA | 15 | 0% | 15 | 0.45 | $ 75.00 | $ 33.75 | $ 39.00 | $ 72.75 | $ 1,091.25 |
| 259 | | | 3/4" Dia Check Valve | EA | 0 | 0% | 0 | 0.41 | $ 75.00 | $ 30.75 | $ 33.40 | $ 64.15 | $ - |
| 260 | | | 3/4" Dia Ball Valve | EA | 1 | 0% | 1 | 0.40 | $ 75.00 | $ 29.63 | $ 31.02 | $ 60.65 | $ 60.65 |

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 261 | | | 1" Dia Shutoff Valve | EA | 3 | 0% | 3 | 0.46 | $ 75.00 | $ 34.50 | $ 43.61 | $ 78.11 | $ 234.33 |
| 262 | | | 1-1/4" Dia Shutoff Valve | EA | 3 | 0% | 3 | 0.55 | $ 75.00 | $ 41.25 | $ 69.32 | $ 110.57 | $ 331.71 |
| 263 | | | 1-1/4" Dia Shutoff Valve | EA | 2 | 0% | 2 | 0.55 | $ 75.00 | $ 41.25 | $ 69.32 | $ 110.57 | $ 221.14 |
| 264 | | | 2" Dia Shutoff Valve | EA | 16 | 0% | 16 | 0.58 | $ 75.00 | $ 43.50 | $ 79.61 | $ 123.11 | $ 1,969.76 |
| 265 | | | 2" Dia Check Valve | EA | 2 | 0% | 2 | 0.72 | $ 75.00 | $ 53.63 | $ 102.44 | $ 156.07 | $ 312.13 |
| 266 | | | 2" Dia Makeup Water Valve | EA | 1 | 0% | 1 | 0.42 | $ 75.00 | $ 31.50 | $ 38.59 | $ 70.09 | $ 70.09 |
| 267 | | | 2" Dia Control Valve | EA | 1 | 0% | 1 | 0.48 | $ 75.00 | $ 36.00 | $ 57.70 | $ 93.70 | $ 93.70 |
| 268 | | | 2-1/2" Dia Shutoff Valve | EA | 4 | 0% | 4 | 1.42 | $ 75.00 | $ 106.50 | $ 223.00 | $ 329.50 | $ 1,318.00 |
| 269 | | | 8" Dia Check Valve | EA | 1 | 0% | 1 | 2.25 | $ 75.00 | $ 168.75 | $ 633.75 | $ 802.50 | $ 802.50 |
| 270 | | | 8" Dia Isolation Valve | EA | 2 | 0% | 2 | 2.65 | $ 75.00 | $ 198.75 | $ 899.00 | $ 1,097.75 | $ 2,195.50 |
| | | | **PVC COUPLING** | | | | | | | $ - | | | |
| 271 | | | 1/2" Dia | EA | 19 | 0% | 19 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 272 | | | 3/4" Dia | EA | 127 | 0% | 127 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 273 | | | 1" Dia | EA | 8 | 0% | 8 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 274 | | | 1-1/4" Dia | EA | 11 | 0% | 11 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 275 | | | 1-1/2" Dia | EA | 7 | 0% | 7 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 276 | | | 2" Dia | EA | 95 | 0% | 95 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 277 | | | 2-1/2" Dia | EA | 6 | 0% | 6 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 278 | | | 3" Dia | EA | 1 | 0% | 1 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 279 | | | 4" Dia | EA | 89 | 0% | 89 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 280 | | | 8" Dia | EA | 84 | 0% | 84 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| | | | **PIPE SUPPORT** | | | | | | | $ - | | | |
| 281 | | | 1/2" Dia Adjustable Clevis Hanger | EA | 32 | 0% | 32 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 282 | | | 3/4" Dia Adjustable Clevis Hanger | EA | 224 | 0% | 224 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 283 | | | 1" Dia Adjustable Clevis Hanger | EA | 56 | 0% | 56 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 284 | | | 1-1/4" Dia Adjustable Clevis Hanger | EA | 17 | 0% | 17 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 285 | | | 1-1/2" Dia Adjustable Clevis Hanger | EA | 11 | 0% | 11 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 286 | | | 2" Dia Adjustable Clevis Hanger | EA | 61 | 0% | 61 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 287 | | | 2-1/2" Dia Adjustable Clevis Hanger | EA | 6 | 0% | 6 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 288 | | | 3" Dia Adjustable Clevis Hanger | EA | 1 | 0% | 1 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 289 | | | 4" Dia Adjustable Clevis Hanger | EA | 84 | 0% | 84 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 290 | | | 8" Dia Adjustable Clevis Hanger | EA | 76 | 0% | 76 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 291 | | | 3/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 339 | 0% | 339 | 0.05 | $ 75.00 | $ 3.75 | $ - | $ 3.75 | $ 1,271.25 |
| 292 | | | 1/2" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 152 | 0% | 152 | 0.10 | $ 75.00 | $ 7.50 | $ - | $ 7.50 | $ 1,140.00 |
| 293 | | | 5/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 76 | 0% | 76 | 0.11 | $ 75.00 | $ 8.25 | $ - | $ 8.25 | $ 627.00 |
| | | | **TRENCHING & BACKFILLING** | | | | | | | $ - | | | |
| 294 | | | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Mat | CFT | 3099 | 0% | 3099 | 0.06 | $ 75.00 | $ 4.50 | $ - | $ 4.50 | $ 13,945.50 |
| | | | | | | | | | | | | **SUBTOTAL** | **$ 387,902** |
| | | | **HVAC** | | | | | | | | | | |
| | | | **FLEXIBLE DUCT** | | | | | | | | | | |
| 295 | | | 6" Dia Flexible Duct | LF | 74 | 10% | 81 | 0.04 | $ 75.00 | $ 2.63 | $ 2.25 | $ 4.88 | $ 395.27 |
| | | | **REFRIGERANT PIPE** | | | | | | | | | | |
| | | **Assumed** | **Type "ACR" Copper Pipe With Fittings** | | | | | | | | | | |
| 296 | | | 1/4" Dia Refrigerant Liquid Pipe | LF | 492 | 10% | 542 | 0.07 | $ 75.00 | $ 5.12 | $ 2.48 | $ 7.60 | $ 4,115.03 |
| 297 | | | 3/8" Dia Refrigerant Liquid Pipe | LF | 754 | 10% | 829 | 0.07 | $ 75.00 | $ 5.34 | $ 2.97 | $ 8.31 | $ 6,895.24 |
| 298 | | | 1/2" Dia Refrigerant Liquid Pipe | LF | 345 | 10% | 379 | 0.07 | $ 75.00 | $ 5.57 | $ 3.69 | $ 9.26 | $ 3,509.01 |
| 299 | | | 5/8" Dia Refrigerant Liquid Pipe | LF | 36 | 10% | 40 | 0.08 | $ 75.00 | $ 5.68 | $ 4.99 | $ 10.67 | $ 424.46 |
| 300 | | | 3/8" Dia Refrigerant Suction Pipe | LF | 12 | 10% | 13 | 0.07 | $ 75.00 | $ 5.34 | $ 2.97 | $ 8.31 | $ 106.17 |
| 301 | | | 1/2" Dia Refrigerant Suction Pipe | LF | 481 | 10% | 529 | 0.07 | $ 75.00 | $ 5.57 | $ 3.69 | $ 9.26 | $ 4,895.75 |
| 302 | | | 5/8" Dia Refrigerant Suction Pipe | LF | 295 | 10% | 325 | 0.08 | $ 75.00 | $ 5.68 | $ 4.99 | $ 10.67 | $ 3,463.88 |
| 303 | | | 3/4" Dia Refrigerant Suction Pipe | LF | 388 | 10% | 427 | 0.08 | $ 75.00 | $ 5.91 | $ 5.40 | $ 11.31 | $ 4,829.74 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 304 | | | 7/8" Dia Refrigerant Suction Pipe | LF | 299 | 10% | 329 | 0.09 | $ 75.00 | $ 6.64 | $ 6.45 | $ 13.09 | $ 4,306.21 |
| 305 | | | 1-1/8" Dia Refrigerant Suction Pipe | LF | 152 | 10% | 167 | 0.10 | $ 75.00 | $ 7.76 | $ 10.90 | $ 18.66 | $ 3,123.04 |
| 306 | | | 5/8" Dia Refrigerant Suction (High) Pipe | LF | 159 | 10% | 175 | 0.08 | $ 75.00 | $ 5.68 | $ 4.99 | $ 10.67 | $ 1,866.05 |
| 307 | | | 3/4" Dia Refrigerant Suction (High) Pipe | LF | 187 | 10% | 205 | 0.08 | $ 75.00 | $ 5.91 | $ 5.40 | $ 11.31 | $ 2,319.73 |
| 308 | | | 1-1/8" Dia Refrigerant Suction (High) Pipe | LF | 36 | 10% | 40 | 0.10 | $ 75.00 | $ 7.76 | $ 10.90 | $ 18.66 | $ 742.32 |
| | | | **1-1/2" Thick Elastomer Insulation** | | | | | | | | | | |
| 309 | | | 1/4" Dia Refrigerant Liquid Pipe | LF | 492 | 10% | 542 | 0.03 | $ 75.00 | $ 2.25 | $ 1.45 | $ 3.70 | $ 2,003.70 |
| 310 | | | 3/8" Dia Refrigerant Liquid Pipe | LF | 754 | 10% | 829 | 0.03 | $ 75.00 | $ 2.25 | $ 1.55 | $ 3.80 | $ 3,151.64 |
| 311 | | | 1/2" Dia Refrigerant Liquid Pipe | LF | 345 | 10% | 379 | 0.05 | $ 75.00 | $ 3.38 | $ 1.78 | $ 5.16 | $ 1,953.71 |
| 312 | | | 5/8" Dia Refrigerant Liquid Pipe | LF | 36 | 10% | 40 | 0.05 | $ 75.00 | $ 3.38 | $ 2.25 | $ 5.63 | $ 223.74 |
| 313 | | | 3/8" Dia Refrigerant Suction Pipe | LF | 12 | 10% | 13 | 0.03 | $ 75.00 | $ 2.25 | $ 1.55 | $ 3.80 | $ 48.53 |
| 314 | | | 1/2" Dia Refrigerant Suction Pipe | LF | 481 | 10% | 529 | 0.05 | $ 75.00 | $ 3.38 | $ 1.78 | $ 5.16 | $ 2,725.81 |
| 315 | | | 5/8" Dia Refrigerant Suction Pipe | LF | 295 | 10% | 325 | 0.05 | $ 75.00 | $ 3.38 | $ 2.25 | $ 5.63 | $ 1,825.87 |
| 316 | | | 3/4" Dia Refrigerant Suction Pipe | LF | 388 | 10% | 427 | 0.06 | $ 75.00 | $ 4.13 | $ 2.95 | $ 7.08 | $ 3,022.26 |
| 317 | | | 7/8" Dia Refrigerant Suction Pipe | LF | 299 | 10% | 329 | 0.06 | $ 75.00 | $ 4.50 | $ 3.05 | $ 7.55 | $ 2,484.19 |
| 318 | | | 1-1/8" Dia Refrigerant Suction Pipe | LF | 152 | 10% | 167 | 0.07 | $ 75.00 | $ 4.88 | $ 3.45 | $ 8.33 | $ 1,393.13 |
| 319 | | | 5/8" Dia Refrigerant Suction (High) Pipe | LF | 159 | 10% | 175 | 0.05 | $ 75.00 | $ 3.38 | $ 2.25 | $ 5.63 | $ 983.63 |
| 320 | | | 3/4" Dia Refrigerant Suction (High) Pipe | LF | 187 | 10% | 205 | 0.06 | $ 75.00 | $ 4.13 | $ 2.95 | $ 7.08 | $ 1,451.59 |
| 321 | | | 1-1/8" Dia Refrigerant Suction (High) Pipe | LF | 36 | 10% | 40 | 0.07 | $ 75.00 | $ 4.88 | $ 3.45 | $ 8.33 | $ 331.14 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | | | | | | | | | |
| 322 | | | 6" Dia Process Cooling Water Supply Pipe | LF | 53 | 10% | 58 | 0.500 | $ 75.00 | $ 37.52 | $ 97.50 | $ 135.02 | $ 7,824.07 |
| 323 | | | 8" Dia Process Cooling Water Supply Pipe | LF | 229 | 10% | 252 | 0.621 | $ 75.00 | $ 46.58 | $ 123.00 | $ 169.58 | $ 42,762.58 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 324 | | | 6" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 7 | 0% | 7 | 2.65 | $ 75.00 | $ 198.75 | $ 171.00 | $ 369.75 | $ 2,588.25 |
| 325 | | | 8" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 4 | 0% | 4 | 3.15 | $ 75.00 | $ 236.25 | $ 221.00 | $ 457.25 | $ 1,829.00 |
| | | | **TEE** | | | | | | | | | | |
| 326 | | | 6" Dia Process Cooling Water Supply Pipe Tee | EA | 3 | 0% | 3 | 4.15 | $ 75.00 | $ 311.25 | $ 752.00 | $ 1,063.25 | $ 3,189.75 |
| 327 | | | 8" Dia Process Cooling Water Supply Pipe Tee | EA | 2 | 0% | 2 | 5.15 | $ 75.00 | $ 386.25 | $ 955.00 | $ 1,341.25 | $ 2,682.50 |
| 328 | | | 8" / 6" Dia Process Cooling Water Supply Pipe Tee | EA | 5 | 0% | 5 | 5.15 | $ 75.00 | $ 386.25 | $ 898.25 | $ 1,284.50 | $ 6,422.50 |
| | | | **REDUCER** | | | | | | | | | | |
| 329 | | | 8" / 6" Dia Process Cooling Water Supply Pipe Reducer | EA | 1 | 0% | 1 | 3.55 | $ 75.00 | $ 266.25 | $ 985.23 | $ 1,251.48 | $ 1,251.48 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | | | | | | | | | |
| 330 | | | 1/2" Dia Process Cooling Water Supply Pipe | LF | 21 | 10% | 23 | 0.095 | $ 75.00 | $ 7.14 | $ 6.00 | $ 13.14 | $ 306.95 |
| 331 | | | 1-1/2" Dia Process Cooling Water Supply Pipe | LF | 152 | 10% | 167 | 0.150 | $ 75.00 | $ 11.25 | $ 15.70 | $ 26.95 | $ 4,502.19 |
| 332 | | | 2" Dia Process Cooling Water Supply Pipe | LF | 94 | 10% | 103 | 0.188 | $ 75.00 | $ 14.06 | $ 21.00 | $ 35.06 | $ 3,623.92 |
| 333 | | | 3" Dia Process Cooling Water Supply Pipe | LF | 9 | 10% | 10 | 0.279 | $ 75.00 | $ 20.93 | $ 42.00 | $ 62.93 | $ 613.27 |
| 334 | | | 4" Dia Process Cooling Water Supply Pipe | LF | 183 | 10% | 201 | 0.300 | $ 75.00 | $ 22.50 | $ 65.50 | $ 88.00 | $ 17,719.24 |
| 335 | | | 6" Dia Process Cooling Water Supply Pipe | LF | 79 | 10% | 87 | 0.500 | $ 75.00 | $ 37.52 | $ 97.50 | $ 135.02 | $ 11,725.70 |
| 336 | | | 8" Dia Process Cooling Water Supply Pipe | LF | 701 | 10% | 771 | 0.621 | $ 75.00 | $ 46.58 | $ 123.00 | $ 169.58 | $ 130,742.49 |
| | | | **1" Thick Mineral Fiber Insulation** | | | | | | | | | | |
| 337 | | | 1/2" Dia Process Cooling Water Supply Pipe | LF | 21 | 10% | 23 | 0.04 | $ 75.00 | $ 2.63 | $ 2.35 | $ 4.98 | $ 116.18 |
| 338 | | | 1-1/2" Dia Process Cooling Water Supply Pipe | LF | 152 | 10% | 167 | 0.04 | $ 75.00 | $ 3.00 | $ 3.25 | $ 6.25 | $ 1,044.11 |
| 339 | | | 2" Dia Process Cooling Water Supply Pipe | LF | 94 | 10% | 103 | 0.05 | $ 75.00 | $ 3.75 | $ 3.75 | $ 7.50 | $ 775.17 |
| 340 | | | 3" Dia Process Cooling Water Supply Pipe | LF | 9 | 10% | 10 | 0.06 | $ 75.00 | $ 4.50 | $ 2.15 | $ 6.65 | $ 64.81 |
| 341 | | | 4" Dia Process Cooling Water Supply Pipe | LF | 183 | 10% | 201 | 0.08 | $ 75.00 | $ 5.63 | $ 6.05 | $ 11.68 | $ 2,350.82 |
| 342 | | | 6" Dia Process Cooling Water Supply Pipe | LF | 79 | 10% | 87 | 0.09 | $ 75.00 | $ 6.38 | $ 7.85 | $ 14.23 | $ 1,235.37 |
| 343 | | | 8" Dia Process Cooling Water Supply Pipe | LF | 701 | 10% | 771 | 0.01 | $ 75.00 | $ 0.90 | $ 9.65 | $ 10.55 | $ 8,134.06 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 344 | | | 1/2" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 10 | 0% | 10 | 0.400 | $ 75.00 | $ 29.98 | $ 4.77 | $ 34.75 | $ 347.51 |
| 345 | | | 1-1/2" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.600 | $ 75.00 | $ 45.00 | $ 11.55 | $ 56.55 | $ 113.10 |
| 346 | | | 2" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 8 | 0% | 8 | 0.667 | $ 75.00 | $ 50.01 | $ 18.10 | $ 68.11 | $ 544.85 |
| 347 | | | 3" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 1 | 0% | 1 | 1.200 | $ 75.00 | $ 90.00 | $ 71.00 | $ 161.00 | $ 161.00 |
| 348 | | | 4" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 2.000 | $ 75.00 | $ 150.02 | $ 131.00 | $ 281.02 | $ 562.04 |
| 349 | | | 6" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 9 | 0% | 9 | 2.65 | $ 75.00 | $ 198.75 | $ 171.00 | $ 369.75 | $ 3,327.75 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | | | 8" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 22 | 0% | 22 | 3.15 | $ 75.00 | $ 236.25 | $ 221.00 | $ 457.25 | $ 10,059.50 |
| 351 | | | 4" Dia Process Cooling Water Supply Pipe 45 Deg Elbow | EA | 2 | 0% | 2 | 2.000 | $ 75.00 | $ 150.02 | $ 465.00 | $ 615.02 | $ 1,230.04 |
| 352 | | | 8" Dia Process Cooling Water Supply Pipe 45 Deg Elbow | EA | 6 | 0% | 6 | 2.12 | $ 75.00 | $ 159.00 | $ 930.22 | $ 1,089.22 | $ 6,535.32 |
| | | | **TEE** | | | | | | | | | | |
| 353 | | | 1-1/2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 | 0% | 2 | 0.923 | $ 75.00 | $ 69.24 | $ 45.00 | $ 114.24 | $ 228.49 |
| 354 | | | 2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 | 0% | 2 | 1.091 | $ 75.00 | $ 81.84 | $ 62.50 | $ 144.34 | $ 288.69 |
| 355 | | | 4" Dia Process Cooling Water Supply Pipe Tee | EA | 3 | 0% | 3 | 3.000 | $ 75.00 | $ 225.00 | $ 500.00 | $ 725.00 | $ 2,175.00 |
| 356 | | | 8" Dia Process Cooling Water Supply Pipe Tee | EA | 3 | 0% | 3 | 5.15 | $ 75.00 | $ 386.25 | $ 955.00 | $ 1,341.25 | $ 4,023.75 |
| 357 | | | 8" / 1/2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 | 0% | 2 | 5.15 | $ 75.00 | $ 386.25 | $ 922.36 | $ 1,308.61 | $ 2,617.22 |
| 358 | | | 8" / 1-1/2" Dia Process Cooling Water Supply Pipe Tee | EA | 1 | 0% | 1 | 5.15 | $ 75.00 | $ 386.25 | $ 985.66 | $ 1,371.91 | $ 1,371.91 |
| 359 | | | 8" / 2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 | 0% | 2 | 5.15 | $ 75.00 | $ 386.25 | $ 866.23 | $ 1,252.48 | $ 2,504.96 |
| 360 | | | 8" / 3" Dia Process Cooling Water Supply Pipe Tee | EA | 1 | 0% | 1 | 5.15 | $ 75.00 | $ 386.25 | $ 887.25 | $ 1,273.50 | $ 1,273.50 |
| 361 | | | 8" / 4" Dia Process Cooling Water Supply Pipe Tee | EA | 18 | 0% | 18 | 5.15 | $ 75.00 | $ 386.25 | $ 896.36 | $ 1,282.61 | $ 23,086.98 |
| 362 | | | 8" / 6" Dia Process Cooling Water Supply Pipe Tee | EA | 1 | 0% | 1 | 5.15 | $ 75.00 | $ 386.25 | $ 922.36 | $ 1,308.61 | $ 1,308.61 |
| | | | **REDUCER** | | | | | | | | | | |
| 363 | | | 3" / 2" Dia Process Cooling Water Supply Pipe Reducer | EA | 1 | 0% | 1 | 0.857 | $ 75.00 | $ 64.29 | $ 251.00 | $ 315.29 | $ 315.29 |
| 364 | | | 4" / 2" Dia Process Cooling Water Supply Pipe Reducer | EA | 1 | 0% | 1 | 1.200 | $ 75.00 | $ 90.00 | $ 555.00 | $ 645.00 | $ 645.00 |
| | | | **PROCESS COOLING WATER RETURN PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | | | | | | | | | |
| 365 | | | 6" Dia Process Cooling Water Return Pipe | LF | 65 | 10% | 72 | 0.500 | $ 75.00 | $ 37.52 | $ 97.50 | $ 135.02 | $ 9,662.75 |
| 366 | | | 8" Dia Process Cooling Water Return Pipe | LF | 175 | 10% | 193 | 0.621 | $ 75.00 | $ 46.58 | $ 123.00 | $ 169.58 | $ 32,656.24 |
| | | | **PROCESS COOLING WATER RETURN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 367 | | | 6" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 5 | 0% | 5 | 2.65 | $ 75.00 | $ 198.75 | $ 171.00 | $ 369.75 | $ 1,848.75 |
| 368 | | | 8" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 3.15 | $ 75.00 | $ 236.25 | $ 221.00 | $ 457.25 | $ 914.50 |
| | | | **TEE** | | | | | | | | | | |
| 369 | | | 8" / 6" Dia Process Cooling Water Return Pipe Tee | EA | 3 | 0% | 3 | 3.55 | $ 75.00 | $ 266.25 | $ 985.23 | $ 1,251.48 | $ 3,754.44 |
| | | | **PROCESS COOLING WATER RETURN PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | | | | | | | | | |
| 370 | | | 1/2" Dia Process Cooling Water Return Pipe | LF | 31 | 10% | 34 | 0.095 | $ 75.00 | $ 7.14 | $ 6.00 | $ 13.14 | $ 451.67 |
| 371 | | | 1-1/2" Dia Process Cooling Water Return Pipe | LF | 151 | 10% | 166 | 0.150 | $ 75.00 | $ 11.25 | $ 15.70 | $ 26.95 | $ 4,484.40 |
| 372 | | | 2" Dia Process Cooling Water Return Pipe | LF | 99 | 10% | 109 | 0.188 | $ 75.00 | $ 14.06 | $ 21.00 | $ 35.06 | $ 3,829.88 |
| 373 | | | 3" Dia Process Cooling Water Return Pipe | LF | 8 | 10% | 9 | 0.279 | $ 75.00 | $ 20.93 | $ 42.00 | $ 62.93 | $ 576.58 |
| 374 | | | 4" Dia Process Cooling Water Return Pipe | LF | 181 | 10% | 199 | 0.300 | $ 75.00 | $ 22.50 | $ 65.50 | $ 88.00 | $ 17,549.84 |
| 375 | | | 6" Dia Process Cooling Water Return Pipe | LF | 133 | 10% | 146 | 0.500 | $ 75.00 | $ 37.52 | $ 97.50 | $ 135.02 | $ 19,711.66 |
| 376 | | | 8" Dia Process Cooling Water Return Pipe | LF | 663 | 10% | 730 | 0.621 | $ 75.00 | $ 46.58 | $ 123.00 | $ 169.58 | $ 123,738.20 |
| | | | **1" Thick Mineral Fiber Insulation** | | | | | | | | | | |
| 377 | | | 1/2" Dia Process Cooling Water Return Pipe | LF | 31 | 10% | 34 | 0.04 | $ 75.00 | $ 2.63 | $ 2.35 | $ 4.98 | $ 170.96 |
| 378 | | | 1-1/2" Dia Process Cooling Water Return Pipe | LF | 151 | 10% | 166 | 0.04 | $ 75.00 | $ 3.00 | $ 3.25 | $ 6.25 | $ 1,039.98 |
| 379 | | | 2" Dia Process Cooling Water Return Pipe | LF | 99 | 10% | 109 | 0.05 | $ 75.00 | $ 3.75 | $ 3.75 | $ 7.50 | $ 819.23 |
| 380 | | | 3" Dia Process Cooling Water Return Pipe | LF | 8 | 10% | 9 | 0.06 | $ 75.00 | $ 4.50 | $ 2.15 | $ 6.65 | $ 60.93 |
| 381 | | | 4" Dia Process Cooling Water Return Pipe | LF | 181 | 10% | 199 | 0.08 | $ 75.00 | $ 5.63 | $ 6.05 | $ 11.68 | $ 2,328.35 |
| 382 | | | 6" Dia Process Cooling Water Return Pipe | LF | 133 | 10% | 146 | 0.09 | $ 75.00 | $ 6.38 | $ 7.85 | $ 14.23 | $ 2,076.74 |
| 383 | | | 8" Dia Process Cooling Water Return Pipe | LF | 663 | 10% | 730 | 0.01 | $ 75.00 | $ 0.90 | $ 9.65 | $ 10.55 | $ 7,698.29 |
| | | | **PROCESS COOLING WATER RETURN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 384 | | | 1/2" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | 0.400 | $ 75.00 | $ 29.98 | $ 4.77 | $ 34.75 | $ 104.25 |
| 385 | | | 1-1/2" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 11 | 0% | 11 | 0.600 | $ 75.00 | $ 45.00 | $ 11.55 | $ 56.55 | $ 622.05 |
| 386 | | | 2" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 10 | 0% | 10 | 0.667 | $ 75.00 | $ 50.01 | $ 18.10 | $ 68.11 | $ 681.06 |
| 387 | | | 3" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 1 | 0% | 1 | 1.200 | $ 75.00 | $ 90.00 | $ 71.00 | $ 161.00 | $ 161.00 |
| 388 | | | 4" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 1 | 0% | 1 | 2.000 | $ 75.00 | $ 150.02 | $ 131.00 | $ 281.02 | $ 281.02 |
| 389 | | | 6" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 12 | 0% | 12 | 2.65 | $ 75.00 | $ 198.75 | $ 171.00 | $ 369.75 | $ 4,437.00 |
| 390 | | | 8" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 26 | 0% | 26 | 3.15 | $ 75.00 | $ 236.25 | $ 221.00 | $ 457.25 | $ 11,888.50 |
| 391 | | | 2" Dia Process Cooling Water Return Pipe 45 Deg Elbow | EA | 2 | 0% | 2 | 2.000 | $ 75.00 | $ 150.02 | $ 465.00 | $ 615.02 | $ 1,230.04 |
| 392 | | | 6" Dia Process Cooling Water Return Pipe 45 Deg Elbow | EA | 6 | 0% | 6 | 2.12 | $ 75.00 | $ 159.00 | $ 930.22 | $ 1,089.22 | $ 6,535.32 |
| | | | **TEE** | | | | | | | | | | |
| 393 | | | 1-1/2" Dia Process Cooling Water Return Pipe Tee | EA | 2 | 0% | 2 | 0.923 | $ 75.00 | $ 69.24 | $ 45.00 | $ 114.24 | $ 228.49 |
| 394 | | | 2" Dia Process Cooling Water Return Pipe Tee | EA | 5 | 0% | 5 | 1.091 | $ 75.00 | $ 81.84 | $ 62.50 | $ 144.34 | $ 721.72 |
| 395 | | | 8" Dia Process Cooling Water Return Pipe Tee | EA | 3 | 0% | 3 | 5.15 | $ 75.00 | $ 386.25 | $ 955.00 | $ 1,341.25 | $ 4,023.75 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 396 | | | 8" / 1/2" Dia Process Cooling Water Return Pipe | EA | 2 | 0% | 2 | 5.15 | $ 75.00 | $ 386.25 | $ 922.36 | $ 1,308.61 | $ 2,617.22 |
| 397 | | | 8" / 1-1/2" Dia Process Cooling Water Return Pipe Tee | EA | 2 | 0% | 2 | 5.15 | $ 75.00 | $ 386.25 | $ 985.66 | $ 1,371.91 | $ 2,743.82 |
| 398 | | | 8" / 2" Dia Process Cooling Water Return Pipe Tee | EA | 2 | 0% | 2 | 5.15 | $ 75.00 | $ 386.25 | $ 866.23 | $ 1,252.48 | $ 2,504.96 |
| 399 | | | 8" / 3" Dia Process Cooling Water Return Pipe Tee | EA | 1 | 0% | 1 | 5.15 | $ 75.00 | $ 386.25 | $ 887.25 | $ 1,273.50 | $ 1,273.50 |
| 400 | | | 8" / 4" Dia Process Cooling Water Return Pipe Tee | EA | 16 | 0% | 16 | 5.15 | $ 75.00 | $ 386.25 | $ 896.36 | $ 1,282.61 | $ 20,521.76 |
| 401 | | | 8" / 6" Dia Process Cooling Water Return Pipe Tee | EA | 1 | 0% | 1 | 5.15 | $ 75.00 | $ 386.25 | $ 922.36 | $ 1,308.61 | $ 1,308.61 |
| | | | **REDUCER** | | | | | | | | | | |
| 402 | | | 3" / 2" Dia Process Cooling Water Return Pipe Reducer | EA | 1 | 0% | 1 | 0.857 | $ 75.00 | $ 64.29 | $ 251.00 | $ 315.29 | $ 315.29 |
| 403 | | | 4" / 2" Dia Process Cooling Water Return Pipe Reducer | EA | 1 | 0% | 1 | 1.200 | $ 75.00 | $ 90.00 | $ 555.00 | $ 645.00 | $ 645.00 |
| | | | **FUEL OIL SUPPLY PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | | | | | | | | | |
| 404 | | | 2" Dia Fuel Oil Supply Pipe | LF | 138 | 10% | 151 | 0.197 | $ 75.00 | $ 14.74 | $ 17.35 | $ 32.09 | $ 4,855.71 |
| | | | **FUEL OIL SUPPLY PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 405 | | | 2" Dia Fuel Oil Supply Pipe 90 Deg Elbow | EA | 13 | 0% | 13 | 0.667 | $ 75.00 | $ 50.00 | $ 96.50 | $ 146.50 | $ 1,904.51 |
| | | | **TEE** | | | | | | | | | | |
| 406 | | | 2" Dia Fuel Oil Supply Pipe Tee | EA | 4 | 0% | 4 | 1.091 | $ 75.00 | $ 81.84 | $ 119.00 | $ 200.84 | $ 803.38 |
| | | | **FUEL OIL SUPPLY PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | | | | | | | | | |
| 407 | | | 1" Dia Fuel Oil Supply Pipe | LF | 124 | 10% | 137 | 0.129 | $ 75.00 | $ 9.68 | $ 8.80 | $ 18.48 | $ 2,522.43 |
| 408 | | | 2" Dia Fuel Oil Supply Pipe | LF | 195 | 10% | 214 | 0.197 | $ 75.00 | $ 14.74 | $ 17.35 | $ 32.09 | $ 6,875.36 |
| | | | **FUEL OIL SUPPLY PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 409 | | | 1" Dia Fuel Oil Supply Pipe 90 Deg Elbow | EA | 14 | 0% | 14 | 0.461 | $ 75.00 | $ 34.59 | $ 35.50 | $ 70.09 | $ 981.31 |
| 410 | | | 2" Dia Fuel Oil Supply Pipe 90 Deg Elbow | EA | 42 | 0% | 42 | 0.667 | $ 75.00 | $ 50.00 | $ 96.50 | $ 146.50 | $ 6,153.03 |
| | | | **TEE** | | | | | | | | | | |
| 411 | | | 1" Dia Fuel Oil Supply Pipe Tee | EA | 2 | 0% | 2 | 0.750 | $ 75.00 | $ 56.25 | $ 51.50 | $ 107.75 | $ 215.50 |
| | | | **FUEL OIL RETURN PIPE (BELOW GRADE)** | | | | | | | | | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | | | | | | | | | |
| 412 | | | 2" Dia Fuel Oil Return Pipe | LF | 95 | 10% | 105 | 0.197 | $ 75.00 | $ 14.74 | $ 17.35 | $ 32.09 | $ 3,366.91 |
| | | | **FUEL OIL SUPPLY PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 413 | | | 2" Dia Fuel Oil Return Pipe 90 Deg Elbow | EA | 10 | 0% | 10 | 0.667 | $ 75.00 | $ 50.00 | $ 96.50 | $ 146.50 | $ 1,465.01 |
| | | | **TEE** | | | | | | | | | | |
| 414 | | | 2" Dia Fuel Oil Return Pipe Tee | EA | 2 | 0% | 2 | 1.091 | $ 75.00 | $ 81.84 | $ 119.00 | $ 200.84 | $ 401.69 |
| | | | **FUEL OIL RETURN PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | | | | | | | | | |
| 415 | | | 1" Dia Fuel Oil Return Pipe | LF | 107 | 10% | 117 | 0.129 | $ 75.00 | $ 9.68 | $ 8.80 | $ 18.48 | $ 2,168.41 |
| 416 | | | 2" Dia Fuel Oil Return Pipe | LF | 191 | 10% | 210 | 0.197 | $ 75.00 | $ 14.74 | $ 17.35 | $ 32.09 | $ 6,749.00 |
| | | | **FUEL OIL RETURN PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 417 | | | 1" Dia Fuel Oil Return Pipe 90 Deg Elbow | EA | 13 | 0% | 13 | 0.461 | $ 75.00 | $ 34.59 | $ 35.50 | $ 70.09 | $ 911.22 |
| 418 | | | 2" Dia Fuel Oil Return Pipe 90 Deg Elbow | EA | 42 | 0% | 42 | 0.667 | $ 75.00 | $ 50.00 | $ 96.50 | $ 146.50 | $ 6,153.03 |
| | | | **TEE** | | | | | | | | | | |
| 419 | | | 1" Dia Fuel Oil Return Pipe Tee | EA | 2 | 0% | 2 | 0.750 | $ 75.00 | $ 56.25 | $ 51.50 | $ 107.75 | $ 215.50 |
| 420 | | | 2" Dia Fuel Oil Return Pipe Tee | EA | 6 | 0% | 6 | 1.091 | $ 75.00 | $ 81.84 | $ 119.00 | $ 200.84 | $ 1,205.06 |
| | | | **FUEL OIL FILL PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | | | | | | | | | |
| 421 | | | 4" Dia Fuel Oil Fill Pipe | LF | 94 | 10% | 103 | 0.324 | $ 75.00 | $ 24.30 | $ 44.00 | $ 68.30 | $ 7,026.16 |
| | | | **FUEL OIL FILL PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 422 | | | 4" Dia Fuel Oil Fill Pipe 90 Deg Elbow | EA | 11 | 0% | 11 | 2.000 | $ 75.00 | $ 150.02 | $ 550.00 | $ 700.02 | $ 7,700.21 |
| | | | **TEE** | | | | | | | | | | |
| 423 | | | 4" Dia Fuel Oil Fill Pipe Tee | EA | 2 | 0% | 2 | 3.000 | $ 75.00 | $ 225.00 | $ 940.00 | $ 1,165.00 | $ 2,330.00 |
| | | | **VENT PIPE (ABOVE GRADE)** | | | | | | | | | | |
| | | | **SCH 80, PVC Pipe** | | | | | | | | | | |
| 424 | | | 3/4" Dia Vent Pipe | LF | 11 | 10% | 12 | 0.120 | $ 75.00 | $ 9.00 | $ 7.50 | $ 16.50 | $ 199.65 |

# DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **AIR DEVICES** | | | | | | | | | | |
| 425 | | | SD-1: Supply Air Diffuser, TITUS OMNI, Face Size: 24"x24", Neck Size: 6" Dia, | EA | 17 | 0% | 17 | 0.75 | $ 75.00 | $ 56.25 | $ 160.23 | $ 216.48 | $ 3,680.16 |
| 426 | | | SG-1: Supply Air Grille, TITUS 301FL, Face Size: 18"x12", Neck Size: 18"x12", | EA | 3 | 0% | 3 | 0.50 | $ 75.00 | $ 37.50 | $ 85.47 | $ 122.97 | $ 368.91 |
| 427 | | | SG-2: Supply Air Grille, TITUS 301FL, Face Size: 14"x14", Neck Size: 14"x14", | EA | 8 | 0% | 8 | 0.40 | $ 75.00 | $ 30.00 | $ 62.34 | $ 92.34 | $ 738.72 |
| 428 | | | SG-3: Supply Air Grille, TITUS 301FL, Face Size: 18"x18", Neck Size: 18"x18", | EA | 2 | 0% | 2 | 0.60 | $ 75.00 | $ 45.00 | $ 98.12 | $ 143.12 | $ 286.24 |
| 429 | | | SG-4: Supply Air Grille, TITUS ESD-635D, Face Size: 10"X6", Neck Size: 10"X6 | EA | 1 | 0% | 1 | 0.45 | $ 75.00 | $ 33.75 | $ 74.89 | $ 108.64 | $ 108.64 |
| 430 | | | SG-5: Supply Air Grille, TITUS 301FL, Face Size: 12"X10", Neck Size: 12"X10", | EA | 1 | 0% | 1 | 0.35 | $ 75.00 | $ 26.25 | $ 54.66 | $ 80.91 | $ 80.91 |
| 431 | | | EG-1: Exhaust Air Grille, TITUS PAR-AA, Face Size: 24"x24", Neck Size: 6"x6", | EA | 5 | 0% | 5 | 0.80 | $ 75.00 | $ 60.00 | $ 157.50 | $ 217.50 | $ 1,087.50 |
| | | | **DOAS** | | | | | | | | | | |
| 432 | | | DOAS-01: OXYGEN8 T09, ESP (IN.W.G.): 0.8, Air Flow (CFM): 810, Total Cap | EA | 1 | 0% | 1 | 14.25 | $ 75.00 | $ 1,068.75 | $ 9,450.23 | $ 10,518.98 | $ 10,518.98 |
| 433 | | | DOAS-02: OXYGEN8 T12, ESP (IN.W.G.): 0.8, Air Flow (CFM): 1030, Total Ca | EA | 1 | 0% | 1 | 16.50 | $ 75.00 | $ 1,237.50 | $ 11,820.57 | $ 13,058.07 | $ 13,058.07 |
| 434 | | | DOAS-03: OXYGEN8 T12, ESP (IN.W.G.): 0.8, Air Flow (CFM): 1030, Total Ca | EA | 1 | 0% | 1 | 16.50 | $ 75.00 | $ 1,237.50 | $ 11,820.57 | $ 13,058.07 | $ 13,058.07 |
| | | | **VRF INDOOR UNIT** | | | | | | | | | | |
| 435 | | | Enclosure. | EA | 1 | 0% | 1 | 7.50 | $ 75.00 | $ 562.50 | $ 1,416.66 | $ 1,979.16 | $ 1,979.16 |
| 436 | | | FCU-02: Fan Coil Unit, DAIKIN FXAQ09PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 7.75 | $ 75.00 | $ 581.25 | $ 1,434.14 | $ 2,015.39 | $ 2,015.39 |
| 437 | | | FCU-03: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 | 0% | 1 | 12.25 | $ 75.00 | $ 918.75 | $ 3,390.80 | $ 4,309.55 | $ 4,309.55 |
| 438 | | | FCU-04: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 | 0% | 1 | 11.90 | $ 75.00 | $ 892.50 | $ 3,350.81 | $ 4,243.31 | $ 4,243.31 |
| 439 | M-120A, M-120B, M-202, M-281, M520, M-570, M-804, M-900 & M-901 | | FCU-05: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 | 0% | 1 | 12.10 | $ 75.00 | $ 907.50 | $ 3,414.13 | $ 4,321.63 | $ 4,321.63 |
| 440 | | | FCU-06: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 | 0% | 1 | 12.00 | $ 75.00 | $ 900.00 | $ 3,372.55 | $ 4,272.55 | $ 4,272.55 |
| 441 | | | FCU-07: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 | 0% | 1 | 11.85 | $ 75.00 | $ 888.75 | $ 3,359.99 | $ 4,248.74 | $ 4,248.74 |
| 442 | | | FCU-08: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 | 0% | 1 | 12.05 | $ 75.00 | $ 903.75 | $ 3,399.86 | $ 4,303.61 | $ 4,303.61 |
| 443 | | | FCU-09: Fan Coil Unit, DAIKIN FXAQ18PVJU, Fan: ESP (IN.W.G.): 0, CFM: 5 | EA | 1 | 0% | 1 | 9.25 | $ 75.00 | $ 693.75 | $ 2,113.06 | $ 2,806.81 | $ 2,806.81 |
| 444 | | | FCU-10: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 6.75 | $ 75.00 | $ 506.25 | $ 1,194.48 | $ 1,700.73 | $ 1,700.73 |
| 445 | | | FCU-11: Fan Coil Unit, DAIKIN FXAQ18PVJU, Fan: ESP (IN.W.G.): 0, CFM: 5 | EA | 1 | 0% | 1 | 9.10 | $ 75.00 | $ 682.50 | $ 2,094.40 | $ 2,776.90 | $ 2,776.90 |
| 446 | | | FCU-12: Fan Coil Unit, DAIKIN FXAQ12PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 7.50 | $ 75.00 | $ 562.50 | $ 1,614.24 | $ 2,176.74 | $ 2,176.74 |
| 447 | | | FCU-13: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 6.60 | $ 75.00 | $ 495.00 | $ 1,199.60 | $ 1,694.60 | $ 1,694.60 |
| 448 | | | FCU-14: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 6.80 | $ 75.00 | $ 510.00 | $ 1,212.14 | $ 1,722.14 | $ 1,722.14 |
| 449 | | | FCU-15: Fan Coil Unit, DAIKIN FXAQ18PVJU, Fan: ESP (IN.W.G.): 0, CFM: 5 | EA | 1 | 0% | 1 | 9.30 | $ 75.00 | $ 697.50 | $ 2,126.46 | $ 2,823.96 | $ 2,823.96 |
| 450 | | | FCU-16: Fan Coil Unit, DAIKIN FXAQ09PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 7.40 | $ 75.00 | $ 555.00 | $ 1,422.92 | $ 1,977.92 | $ 1,977.92 |
| 451 | | | FCU-17: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 | 0% | 1 | 12.30 | $ 75.00 | $ 922.50 | $ 3,409.06 | $ 4,331.56 | $ 4,331.56 |
| 452 | | | FCU-18: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 7.00 | $ 75.00 | $ 525.00 | $ 1,202.93 | $ 1,727.93 | $ 1,727.93 |
| 453 | | | FCU-19: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 1,195.06 | $ 1,682.56 | $ 1,682.56 |
| 454 | | | FCU-20: Fan Coil Unit, DAIKIN FXMQ72MVJU, Fan: ESP (IN.W.G.): 0.95, CFI | EA | 1 | 0% | 1 | 44.75 | $ 75.00 | $ 3,356.25 | $ 17,101.19 | $ 20,457.44 | $ 20,457.44 |
| 455 | | | FCU-21: Fan Coil Unit, DAIKIN FXMQ72MVJU, Fan: ESP (IN.W.G.): 0.95, CFI | EA | 1 | 0% | 1 | 44.50 | $ 75.00 | $ 3,337.50 | $ 16,934.94 | $ 20,272.44 | $ 20,272.44 |
| | | | **VRF OUTDOOR UNIT** | | | | | | | | | | |
| 456 | | | CU-01: Outdoor Coil Unit, DAIKIN REYQ72, Nominal Tonnage: 6.00, Cooling C | EA | 1 | 0% | 1 | 32.50 | $ 75.00 | $ 2,437.50 | $ 11,820.00 | $ 14,257.50 | $ 14,257.50 |
| 457 | | | CU-02: Outdoor Coil Unit, DAIKIN REYQ72, Nominal Tonnage: 6.00, Cooling C | EA | 1 | 0% | 1 | 33.00 | $ 75.00 | $ 2,475.00 | $ 11,994.90 | $ 14,469.90 | $ 14,469.90 |
| 458 | | | CU-03: Outdoor Coil Unit, DAIKIN REYQ120, Nominal Tonnage: 10.00, Cooling | EA | 1 | 0% | 1 | 46.25 | $ 75.00 | $ 3,468.75 | $ 15,900.48 | $ 19,369.23 | $ 19,369.23 |
| 459 | | | CU-04: Outdoor Coil Unit, DAIKIN REYQ96, Nominal Tonnage: 8.00, Cooling C | EA | 1 | 0% | 1 | 38.00 | $ 75.00 | $ 2,850.00 | $ 13,344.72 | $ 16,194.72 | $ 16,194.72 |
| 460 | | | CU-05: Outdoor Coil Unit, DAIKIN REYQ96, Nominal Tonnage: 8.00, Cooling C | EA | 1 | 0% | 1 | 37.50 | $ 75.00 | $ 2,812.50 | $ 13,206.18 | $ 16,018.68 | $ 16,018.68 |
| 461 | | | CU-06: Outdoor Coil Unit, DAIKIN REYQ120, Nominal Tonnage: 10.00, Cooling | EA | 1 | 0% | 1 | 47.00 | $ 75.00 | $ 3,525.00 | $ 16,051.08 | $ 19,576.08 | $ 19,576.08 |
| 462 | | | CU-07: Outdoor Coil Unit, DAIKIN REYQ120, Nominal Tonnage: 10.00, Cooling | EA | 1 | 0% | 1 | 46.75 | $ 75.00 | $ 3,506.25 | $ 15,959.76 | $ 19,466.01 | $ 19,466.01 |
| 463 | | | CU-08: Outdoor Coil Unit, DAIKIN REYQ192, Nominal Tonnage: 16.00, Cooling | EA | 1 | 0% | 1 | 78.50 | $ 75.00 | $ 5,887.50 | $ 29,340.00 | $ 35,227.50 | $ 35,227.50 |
| | | | **VRF BRANCH SELECTOR** | | | | | | | | $ - | | |
| 464 | | | BS-01: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 | 0% | 1 | 22.75 | $ 75.00 | $ 1,706.25 | $ 5,220.56 | $ 6,926.81 | $ 6,926.81 |
| 465 | | | BS-02: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 | 0% | 1 | 23.10 | $ 75.00 | $ 1,732.50 | $ 5,294.51 | $ 7,027.01 | $ 7,027.01 |
| 466 | | | BS-03: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 | 0% | 1 | 11.40 | $ 75.00 | $ 855.00 | $ 2,580.40 | $ 3,435.40 | $ 3,435.40 |
| 467 | | | BS-04: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 | 0% | 1 | 13.25 | $ 75.00 | $ 993.75 | $ 3,358.39 | $ 4,352.14 | $ 4,352.14 |
| | | | **HYDRONIC FAN COIL UNIT** | | | | | | | | $ - | | |
| 468 | | | FCU-23: Fan Coil Unit, ENVIRO-TEC HLP-D, CFM: 700, MCA: 3.6, MOCP: 15 | EA | 1 | 0% | 1 | 11.25 | $ 75.00 | $ 843.75 | $ 2,580.90 | $ 3,424.65 | $ 3,424.65 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 469 | | | FCU-24: Fan Coil Unit, ENVIRO-TEC HLP-D, CFM: 700, MCA: 3.6, MOCP: 15 | EA | 1 | 0% | 1 | 11.50 | $ 75.00 | $ 862.50 | $ 2,610.24 | $ 3,472.74 | $ 3,472.74 |
| | | | **DX SPLIT FAN COIL UNIT** | | | | | | | | $ - | | |
| 470 | | | FCU-22: Fan Coil Unit, Cooling Capacity: Total (BTU/H): 12,000, Sensible (MBH | EA | 1 | 0% | 1 | 8.50 | $ 75.00 | $ 637.50 | $ 1,620.60 | $ 2,258.10 | $ 2,258.10 |
| | | | **DX SPLIT CONDENSING UNIT** | | | | | | | | $ - | | |
| 471 | | | CU-09: Condensing Unit, DAIKIN RK12BXVJU, Nominal Capacity (BTU/H): 12 | EA | 1 | 0% | 1 | 16.75 | $ 75.00 | $ 1,256.25 | $ 4,141.08 | $ 5,397.33 | $ 5,397.33 |
| | | | **COMPUTER ROOM AIR HANDLER** | | | | | | | | $ - | | |
| 472 | | | CRAH-01: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 | 0% | 1 | 40.00 | $ 75.00 | $ 3,000.00 | $ 23,400.00 | $ 26,400.00 | $ 26,400.00 |
| 473 | | | CRAH-02: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 | 0% | 1 | 40.00 | $ 75.00 | $ 3,000.00 | $ 23,400.00 | $ 26,400.00 | $ 26,400.00 |
| 474 | | | CRAH-03: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 | 0% | 1 | 40.00 | $ 75.00 | $ 3,000.00 | $ 23,400.00 | $ 26,400.00 | $ 26,400.00 |
| 475 | | | CRAH-04: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 | 0% | 1 | 40.00 | $ 75.00 | $ 3,000.00 | $ 23,400.00 | $ 26,400.00 | $ 26,400.00 |
| 476 | | | CRAH-05: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 | 0% | 1 | 40.00 | $ 75.00 | $ 3,000.00 | $ 23,400.00 | $ 26,400.00 | $ 26,400.00 |
| 477 | | | CRAH-06: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 | 0% | 1 | 40.00 | $ 75.00 | $ 3,000.00 | $ 23,400.00 | $ 26,400.00 | $ 26,400.00 |
| 478 | | | CRAH-07: Computer Room Air Handle, VERTIV CW041D, Airflow: 5550, ESP ( | EA | 1 | 0% | 1 | 32.00 | $ 75.00 | $ 2,400.00 | $ 18,600.00 | $ 21,000.00 | $ 21,000.00 |
| 479 | | | CRAH-08: Computer Room Air Handle, VERTIV CW041D, Airflow: 5550, ESP ( | EA | 1 | 0% | 1 | 32.00 | $ 75.00 | $ 2,400.00 | $ 18,600.00 | $ 21,000.00 | $ 21,000.00 |
| | | | **AIR COOLED CHILLER** | | | | | | | | $ - | | |
| 480 | | | ACC-A: Air Cooled Chiller, TRANE ACR 275, Total Capacity (KW): 1456, GPM | EA | 1 | 0% | 1 | 160.00 | $ 75.00 | $ 12,000.00 | $ 294,000.00 | $ 306,000.00 | $ 306,000.00 |
| 481 | | | ACC-B: Air Cooled Chiller, TRANE ACR 275, Total Capacity (KW): 1456, GPM | EA | 1 | 0% | 1 | 160.00 | $ 75.00 | $ 12,000.00 | $ 294,000.00 | $ 306,000.00 | $ 306,000.00 |
| 482 | | | ACC-C: Air Cooled Chiller, TRANE ACR 275, Total Capacity (KW): 1456, GPM | EA | 1 | 0% | 1 | 160.00 | $ 75.00 | $ 12,000.00 | $ 294,000.00 | $ 306,000.00 | $ 306,000.00 |
| | | | **ABOVE GROUND STORAGE TANK W/ SUBMERSIBLE PUMP** | | | | | | | | $ - | | |
| 483 | | | AST-A: Aboveground Storage Tank, HIGHLAND TANK, Volume (GAL): 15000 | EA | 1 | 0% | 1 | 48.00 | $ 75.00 | $ 3,600.00 | $ 46,200.00 | $ 49,800.00 | $ 49,800.00 |
| 484 | | | AST-B: Aboveground Storage Tank, HIGHLAND TANK, Volume (GAL): 15000 | EA | 1 | 0% | 1 | 48.00 | $ 75.00 | $ 3,600.00 | $ 46,200.00 | $ 49,800.00 | $ 49,800.00 |
| 485 | | | AST-C: Aboveground Storage Tank, HIGHLAND TANK, Volume (GAL): 15000 | EA | 1 | 0% | 1 | 48.00 | $ 75.00 | $ 3,600.00 | $ 46,200.00 | $ 49,800.00 | $ 49,800.00 |
| | | | **THERMAL STORAGE TANK** | | | | | | | | $ - | | |
| 486 | | | TES-01: Thermal Storage Tank, Volume (GAL): 5000,Note: 1. Provide External In | EA | 1 | 0% | 1 | 24.00 | $ 75.00 | $ 1,800.00 | $ 26,400.00 | $ 28,200.00 | $ 28,200.00 |
| | | | **PROCESS WATER PUMP** | | | | | | | | $ - | | |
| 487 | | | P-A: Process Water Pump, GRUNDFOS 40129VLS, GPM: 456.2, NPSHR (FT): 1 | EA | 1 | 0% | 1 | 16.00 | $ 75.00 | $ 1,200.00 | $ 11,811.96 | $ 13,011.96 | $ 13,011.96 |
| 488 | | | P-B: Process Water Pump, GRUNDFOS 40129VLS, GPM: 456.2, NPSHR (FT): 1 | EA | 1 | 0% | 1 | 16.00 | $ 75.00 | $ 1,200.00 | $ 11,811.96 | $ 13,011.96 | $ 13,011.96 |
| 489 | | | P-C: Process Water Pump, GRUNDFOS 40129VLS, GPM: 456.2, NPSHR (FT): 1 | EA | 1 | 0% | 1 | 16.00 | $ 75.00 | $ 1,200.00 | $ 11,811.96 | $ 13,011.96 | $ 13,011.96 |
| | | | **FUEL OIL RETURN PUMP** | | | | | | | | $ - | | |
| 490 | | | FORP-A1: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 | 0% | 1 | 27.00 | $ 75.00 | $ 2,025.00 | $ 19,290.00 | $ 21,315.00 | $ 21,315.00 |
| 491 | | | FORP-A2: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 | 0% | 1 | 27.00 | $ 75.00 | $ 2,025.00 | $ 19,290.00 | $ 21,315.00 | $ 21,315.00 |
| 492 | | | FORP-B1: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 | 0% | 1 | 27.00 | $ 75.00 | $ 2,025.00 | $ 19,290.00 | $ 21,315.00 | $ 21,315.00 |
| 493 | | | FORP-B2: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 | 0% | 1 | 27.00 | $ 75.00 | $ 2,025.00 | $ 19,290.00 | $ 21,315.00 | $ 21,315.00 |
| 494 | | | FORP-C1: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 | 0% | 1 | 27.00 | $ 75.00 | $ 2,025.00 | $ 19,290.00 | $ 21,315.00 | $ 21,315.00 |
| 495 | | | FORP-C2: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 | 0% | 1 | 27.00 | $ 75.00 | $ 2,025.00 | $ 19,290.00 | $ 21,315.00 | $ 21,315.00 |
| | | | **FUEL OIL POLISHER** | | | | | | | | $ - | | |
| 496 | | | PO-01: Fuel Oil Polisher, SIMPLEX/SFG20C-A/4, Flow Rate (GPM): 20.00, Elec | EA | 1 | 0% | 1 | 30.00 | $ 75.00 | $ 2,250.00 | $ 24,143.63 | $ 26,393.63 | $ 26,393.63 |
| | | | **FUEL FILL STATION** | | | | | | | | $ - | | |
| 497 | | | FFS-01: Fuel Fill Station, SIMPLEX/SPS3-3-IBP-E-2, Flow Rate (GPM): 300, Ele | EA | 1 | 0% | 1 | 36.50 | $ 75.00 | $ 2,737.50 | $ 36,900.00 | $ 39,637.50 | $ 39,637.50 |
| | | | **EXPANSION TANK** | | | | | | | | $ - | | |
| 498 | | **Not Shown On Plan Assumed As Per Schedule** | ET-1: Expansion Tank, System Temp (F): Min Temp: 68, Max Temp: 86, Min Pre | EA | 1 | 0% | 1 | 7.50 | $ 75.00 | $ 562.50 | $ 7,568.82 | $ 8,131.32 | $ 8,131.32 |
| | | | **AIR & DIRT SEPARATOR** | | | | | | | | $ - | | |
| 499 | | **Not Shown On Plan Assumed As Per Schedule** | AS-1: Air Separator, TACO AC08F-125, Flow Rate (CFM): 456.2, Max PD (PSI): | EA | 1 | 0% | 1 | 18.00 | $ 75.00 | $ 1,350.00 | $ 10,152.00 | $ 11,502.00 | $ 11,502.00 |
| | | | **LOUVER** | | | | | | | | $ - | | |
| 500 | | | LV-01: GREENHECK ESD-635D, Airflow (CFM): 880, Size (WXH) (in): 22”x22 | EA | 1 | 0% | 1 | 2.75 | $ 75.00 | $ 206.25 | $ 1,260.00 | $ 1,466.25 | $ 1,466.25 |
| 501 | | | LV-02: GREENHECK ESD-635D, Airflow (CFM): 240, Size (WXH) (in): 14”x14 | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 504.00 | $ 597.75 | $ 597.75 |
| 502 | | | LV-03: GREENHECK ESD-635D, Airflow (CFM): 165, Size (WXH) (in): 12”x12 | EA | 1 | 0% | 1 | 1.00 | $ 75.00 | $ 75.00 | $ 450.00 | $ 525.00 | $ 525.00 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 503 | | | LV-04: GREENHECK ESD-635D, Airflow (CFM): 65, Size (WXH) (in): 10"x10" | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 372.00 | $ 428.25 | $ 428.25 |
| 504 | | | LV-05: GREENHECK ESD-635D, Airflow (CFM): 705, Size (WXH) (in): 28"x28 | EA | 1 | 0% | 1 | 3.00 | $ 75.00 | $ 225.00 | $ 1,380.00 | $ 1,605.00 | $ 1,605.00 |
| 505 | | | LV-06: GREENHECK ESD-635D, Airflow (CFM): 705, Size (WXH) (in): 28"x28 | EA | 1 | 0% | 1 | 3.00 | $ 75.00 | $ 225.00 | $ 1,380.00 | $ 1,605.00 | $ 1,605.00 |
| 506 | | | LV-07: GREENHECK ESD-635D, Airflow (CFM): 1030, Size (WXH) (in): 26"x2 | EA | 1 | 0% | 1 | 3.25 | $ 75.00 | $ 243.75 | $ 1,680.00 | $ 1,923.75 | $ 1,923.75 |
| 507 | | | LV-08: GREENHECK ESD-635D, Airflow (CFM): 1030, Size (WXH) (in): 26"x2 | EA | 1 | 0% | 1 | 3.25 | $ 75.00 | $ 243.75 | $ 1,680.00 | $ 1,923.75 | $ 1,923.75 |
| 508 | | | LV-09: GREENHECK ESD-635D, Airflow (CFM): 2060, Size (WXH) (in): 36"x3 | EA | 1 | 0% | 1 | 4.50 | $ 75.00 | $ 337.50 | $ 2,520.00 | $ 2,857.50 | $ 2,857.50 |
| | | | **FAN** | | | | | | | | $ - | | |
| 509 | | | EF-1: Exhaust Fan, GREENHECK SQ-90-VG, Fan: Airflow (CFM): 240, ESP (IN | EA | 1 | 0% | 1 | 4.25 | $ 75.00 | $ 318.75 | $ 2,945.16 | $ 3,263.91 | $ 3,263.91 |
| 510 | | | EF-2: Exhaust Fan, GREENHECK SQ-60-VG, Fan: Airflow (CFM): 70, ESP (IN. | EA | 1 | 0% | 1 | 3.50 | $ 75.00 | $ 262.50 | $ 4,019.87 | $ 4,282.37 | $ 4,282.37 |
| 511 | | | EF-3: Exhaust Fan, GREENHECK SQ-70-VG, Fan: Airflow (CFM): 160, ESP (IN | EA | 1 | 0% | 1 | 3.75 | $ 75.00 | $ 281.25 | $ 2,574.90 | $ 2,856.15 | $ 2,856.15 |
| 512 | | | SF-01: Supply Fan, GREENHECK SQ-130HP-VG, Fan: Airflow (CFM): 705, ES | EA | 1 | 0% | 1 | 5.25 | $ 75.00 | $ 393.75 | $ 3,585.06 | $ 3,978.81 | $ 3,978.81 |
| | | | **FILTER** | | | | | | | | $ - | | |
| 513 | | | F-01: Filter, Airflows (CFM): 850, Filter Housing Size: 24"x12", Pressure Drop (I | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 150.90 | $ 207.15 | $ 207.15 |
| 514 | | | F-02: Filter, Airflows (CFM): 1030, Filter Housing Size: 24"x12", Pressure Drop ( | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 162.24 | $ 218.49 | $ 218.49 |
| 515 | | | F-03: Filter, Airflows (CFM): 1030, Filter Housing Size: 24"x12", Pressure Drop ( | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 162.24 | $ 218.49 | $ 218.49 |
| 516 | | | F-04: Filter, Airflows (CFM): 705, Filter Housing Size: 24"x12", Pressure Drop (I | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 144.12 | $ 200.37 | $ 200.37 |
| | | | **DAMPER** | | | | | | | | $ - | | |
| 517 | | | 6" Dia Volume Damper | EA | 16 | 0% | 16 | 0.50 | $ 75.00 | $ 37.50 | $ 66.48 | $ 103.98 | $ 1,663.68 |
| 518 | | | 6"x6" Volume Damper | EA | 3 | 0% | 3 | 0.50 | $ 75.00 | $ 37.50 | $ 72.30 | $ 109.80 | $ 329.40 |
| 519 | | | 10"x6" Volume Damper | EA | 1 | 0% | 1 | 0.60 | $ 75.00 | $ 45.00 | $ 87.36 | $ 132.36 | $ 132.36 |
| 520 | | | 14"x14" Volume Damper | EA | 8 | 0% | 8 | 0.75 | $ 75.00 | $ 56.25 | $ 114.60 | $ 170.85 | $ 1,366.80 |
| 521 | | | 14"x12" Motorized Damper | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 252.90 | $ 346.65 | $ 346.65 |
| 522 | | | 14"x14" Motorized Damper | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 270.36 | $ 364.11 | $ 364.11 |
| 523 | | | 20"x10" Motorized Damper | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 300.72 | $ 413.22 | $ 413.22 |
| 524 | | | CBD-01: Counterbalance Backdraft Damper, RUSKIN CBD2, Size (LXH) (IN): 3 | EA | 1 | 0% | 1 | 1.75 | $ 75.00 | $ 131.25 | $ 864.00 | $ 995.25 | $ 995.25 |
| 525 | | | CBD-02: Counterbalance Backdraft Damper, RUSKIN CBD2, Size (LXH) (IN): 2 | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 474.00 | $ 586.50 | $ 586.50 |
| | | | **DUCT WEIGHT** | | | | | | | | $ - | | |
| 526 | | | Galvanized Sheet Metal Duct | LBS | 3237 | 10% | 3561 | 0.07 | $ 75.00 | $ 5.25 | $ 4.09 | $ 9.34 | $ 33,262.62 |
| | | | **DUCT INSULATION** | | | | | | | | $ - | | |
| 527 | | | 1-1/2" Thick Rigid Mineral-Fiber Board With All Service Jacket Insulation | SF | 2538 | 10% | 2791 | 0.05 | $ 75.00 | $ 3.75 | $ 2.84 | $ 6.59 | $ 18,405.87 |
| | | | **MISCELLANEOUS** | | | | | | | | $ - | | |
| 528 | | | 3/4" Dia Sock-O-Let (Welded) | EA | 11 | 0% | 11 | 0.25 | $ 75.00 | $ 18.75 | $ 22.20 | $ 40.95 | $ 450.45 |
| 529 | | | 3/4" Dia Hose Adapter | EA | 11 | 0% | 11 | 0.20 | $ 75.00 | $ 15.00 | $ 15.30 | $ 30.30 | $ 333.30 |
| 530 | | | 1" Dia Blank Flange | EA | 6 | 0% | 6 | 0.25 | $ 75.00 | $ 18.75 | $ 26.88 | $ 45.63 | $ 273.78 |
| 531 | | | 2" Dia Blank Flange | EA | 5 | 0% | 5 | 0.30 | $ 75.00 | $ 22.50 | $ 42.12 | $ 64.62 | $ 323.10 |
| 532 | | | 2" Dia Normal Tank Vent, MORRION UPDRAFT VENT MODE 354 | EA | 3 | 0% | 3 | 0.50 | $ 75.00 | $ 37.50 | $ 216.60 | $ 254.10 | $ 762.30 |
| 533 | | | 2" Dia Strainer | EA | 2 | 0% | 2 | 0.50 | $ 75.00 | $ 37.50 | $ 144.90 | $ 182.40 | $ 364.80 |
| 534 | | | 4" Dia Blank Flange | EA | 78 | 0% | 78 | 0.35 | $ 75.00 | $ 26.25 | $ 72.24 | $ 98.49 | $ 7,682.22 |
| 535 | | | 8" Dia Isolation Valve With Blind Flange | EA | 10 | 0% | 10 | 1.00 | $ 75.00 | $ 75.00 | $ 660.48 | $ 735.48 | $ 7,354.80 |
| 536 | | | 8" Dia Pipe Chiller Connection | EA | 4 | 0% | 4 | 0.75 | $ 75.00 | $ 56.25 | $ 264.60 | $ 320.85 | $ 1,283.40 |
| 537 | | | BMS-CP4-Chiller Manager Control Panel | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,840.00 | $ 4,327.50 | $ 4,327.50 |
| 538 | | | Metraflex, MLP FLEX FHOSE | EA | 1 | 0% | 1 | 0.50 | $ 75.00 | $ 37.50 | $ 180.90 | $ 218.40 | $ 218.40 |
| 539 | | | Sight Guage | EA | 2 | 0% | 2 | 0.25 | $ 75.00 | $ 18.75 | $ 102.36 | $ 121.11 | $ 242.22 |
| 540 | | | Humidistat | EA | 2 | 0% | 2 | 0.20 | $ 75.00 | $ 15.00 | $ 54.72 | $ 69.72 | $ 139.44 |
| 541 | | | Refrigerant Branch Piping Kit | EA | 3 | 0% | 3 | 1.25 | $ 75.00 | $ 93.75 | $ 336.00 | $ 429.75 | $ 1,289.25 |
| 542 | | | Thermostat | EA | 25 | 0% | 25 | 0.20 | $ 75.00 | $ 15.00 | $ 78.90 | $ 93.90 | $ 2,347.50 |
| 543 | | | ATG-A: Automatic Tank Guage | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 1,140.60 | $ 1,253.10 | $ 1,253.10 |
| 544 | | | ATG-B: Automatic Tank Guage | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 1,140.60 | $ 1,253.10 | $ 1,253.10 |
| 545 | | | ATG-C: Automatic Tank Guage | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 1,140.60 | $ 1,253.10 | $ 1,253.10 |
| 546 | | **Schedule Not Given** | FOCP-A: Foil Oil Control Panel | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 5,040.00 | $ 5,490.00 | $ 5,490.00 |
| 547 | | | FOCP-B: Foil Oil Control Panel | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 5,040.00 | $ 5,490.00 | $ 5,490.00 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 548 | | | FOCP-C: Foil Oil Control Panel | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 5,040.00 | $ 5,490.00 | $ 5,490.00 |
| | | | **VALVES** | | | | | | | | | | |
| 549 | | | 1/2" Dia Isolation Valve | EA | 4 | 0% | 4 | 0.25 | $ 75.00 | $ 18.75 | $ 90.60 | $ 109.35 | $ 437.40 |
| 550 | | | 1" Dia Isolation Valve | EA | 14 | 0% | 14 | 0.30 | $ 75.00 | $ 22.50 | $ 144.90 | $ 167.40 | $ 2,343.60 |
| 551 | | | 1-1/2" Dia Isolation Valve | EA | 4 | 0% | 4 | 0.35 | $ 75.00 | $ 26.25 | $ 216.30 | $ 242.55 | $ 970.20 |
| 552 | | | 2" Dia Isolation Valve | EA | 21 | 0% | 21 | 0.40 | $ 75.00 | $ 30.00 | $ 270.60 | $ 300.60 | $ 6,312.60 |
| 553 | | | 4" Dia Isolation Valve | EA | 11 | 0% | 11 | 0.75 | $ 75.00 | $ 56.25 | $ 660.48 | $ 716.73 | $ 7,884.03 |
| 554 | | | 6" Dia Isolation Valve | EA | 20 | 0% | 20 | 1.00 | $ 75.00 | $ 75.00 | $ 936.24 | $ 1,011.24 | $ 20,224.80 |
| 555 | | | 8" Dia Isolation Valve | EA | 5 | 0% | 5 | 1.25 | $ 75.00 | $ 93.75 | $ 1,440.60 | $ 1,534.35 | $ 7,671.75 |
| 556 | | | 1/2" Dia Two-Way Modulating Control Valve | EA | 6 | 0% | 6 | 0.50 | $ 75.00 | $ 37.50 | $ 264.90 | $ 302.40 | $ 1,814.40 |
| 557 | | | 1" Dia Two-Way Modulating Control Valve | EA | 2 | 0% | 2 | 0.60 | $ 75.00 | $ 45.00 | $ 336.60 | $ 381.60 | $ 763.20 |
| 558 | | | 1-1/2" Dia Two-Way Modulating Control Valve | EA | 2 | 0% | 2 | 0.70 | $ 75.00 | $ 52.50 | $ 420.90 | $ 473.40 | $ 946.80 |
| 559 | | | 2" Dia Two-Way Modulating Control Valve | EA | 11 | 0% | 11 | 0.80 | $ 75.00 | $ 60.00 | $ 504.30 | $ 564.30 | $ 6,207.30 |
| 560 | | | 4" Dia Two-Way Modulating Control Valve | EA | 3 | 0% | 3 | 1.25 | $ 75.00 | $ 93.75 | $ 1,140.60 | $ 1,234.35 | $ 3,703.05 |
| 561 | | | 1" Dia Discharge Motorized Valve | EA | 6 | 0% | 6 | 0.75 | $ 75.00 | $ 56.25 | $ 450.48 | $ 506.73 | $ 3,040.38 |
| 562 | | | 4" Dia Discharge Motorized Valve | EA | 3 | 0% | 3 | 1.50 | $ 75.00 | $ 112.50 | $ 1,440.60 | $ 1,553.10 | $ 4,659.30 |
| 563 | | | 4" Dia Motorized Bypass Valve | EA | 2 | 0% | 2 | 1.25 | $ 75.00 | $ 93.75 | $ 1,140.60 | $ 1,234.35 | $ 2,468.70 |
| 564 | | | 6" Dia Motorized Bypass Valve | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 1,500.90 | $ 1,613.40 | $ 1,613.40 |
| 565 | | | 6" Dia Tes Motorized Recharge Valve | EA | 5 | 0% | 5 | 1.75 | $ 75.00 | $ 131.25 | $ 1,740.24 | $ 1,871.49 | $ 9,357.45 |
| 566 | | | 8" Dia Tes Motorized Recharge Valve | EA | 8 | 0% | 8 | 2.00 | $ 75.00 | $ 150.00 | $ 2,100.60 | $ 2,250.60 | $ 18,004.80 |
| 567 | | | 6" Dia Tes Motorized Valve | EA | 7 | 0% | 7 | 1.50 | $ 75.00 | $ 112.50 | $ 1,500.90 | $ 1,613.40 | $ 11,293.80 |
| 568 | | | 8" Dia Tes Motorized Valve | EA | 1 | 0% | 1 | 2.00 | $ 75.00 | $ 150.00 | $ 1,980.48 | $ 2,130.48 | $ 2,130.48 |
| 569 | | | 1" Dia Drain Valve | EA | 76 | 0% | 76 | 0.25 | $ 75.00 | $ 18.75 | $ 102.36 | $ 121.11 | $ 9,204.36 |
| 570 | | | 2" Dia Check Valve | EA | 1 | 0% | 1 | 0.50 | $ 75.00 | $ 37.50 | $ 216.60 | $ 254.10 | $ 254.10 |
| 571 | | | 4" Dia Check Valve | EA | 45 | 0% | 45 | 0.75 | $ 75.00 | $ 56.25 | $ 660.48 | $ 716.73 | $ 32,252.85 |
| 572 | | | 1/2" Dia Pressure Reducing Valve | EA | 10 | 0% | 10 | 0.50 | $ 75.00 | $ 37.50 | $ 270.90 | $ 308.40 | $ 3,084.00 |
| 573 | | | 3/4" Dia Socket Weld Ball Valve | EA | 11 | 0% | 11 | 0.35 | $ 75.00 | $ 26.25 | $ 144.60 | $ 170.85 | $ 1,879.35 |
| 574 | | | 4" Dia Lug Type Isolation Valve | EA | 38 | 0% | 38 | 0.75 | $ 75.00 | $ 56.25 | $ 720.60 | $ 776.85 | $ 29,520.30 |
| 575 | | | 8" Dia Lug Type Isolation Valve | EA | 2 | 0% | 2 | 1.25 | $ 75.00 | $ 93.75 | $ 1,500.90 | $ 1,594.65 | $ 3,189.30 |
| | | | **PIPE SUPPORT** | | | | | | | | | | |
| 576 | | | 3/8" Dia Adjustable Clevis Hanger | EA | 127 | 0% | 127 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 577 | | | 1/2" Dia Adjustable Clevis Hanger | EA | 137 | 0% | 137 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 578 | | | 5/8" Dia Adjustable Clevis Hanger | EA | 81 | 0% | 81 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 579 | | | 3/4" Dia Adjustable Clevis Hanger | EA | 95 | 0% | 95 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 580 | | | 7/8" Dia Adjustable Clevis Hanger | EA | 50 | 0% | 50 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 581 | | | 1-1/8" Dia Adjustable Clevis Hanger | EA | 31 | 0% | 31 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 582 | | | 4" Dia Adjustable Clevis Hanger | EA | 21 | 0% | 21 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 583 | | | 8" Dia Adjustable Clevis Hanger With (2) Pre-Stretched Cable | EA | 1 | 0% | 1 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 584 | | | 8" Dia Adjustable Clevis Hanger | EA | 156 | 0% | 156 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 585 | | | 8" Dia U-Bolt Clevis Hanger | EA | 17 | 0% | 17 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 586 | | | 3/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 603 | 0% | 603 | 0.05 | $ 75.00 | $ 3.75 | $ 3.90 | $ 7.65 | $ 4,612.95 |
| 587 | | | 1/2" Dia Threaded Rod (1 Each = 1 Feet) | EA | 21 | 0% | 21 | 0.05 | $ 75.00 | $ 3.75 | $ 4.92 | $ 8.67 | $ 182.07 |
| 588 | | | 5/8" Dia Threaded Rod With Stiffener(1 Each = 1 Feet) | EA | 1 | 0% | 1 | 0.08 | $ 75.00 | $ 6.00 | $ 7.80 | $ 13.80 | $ 13.80 |
| 589 | | | 5/8" Dia Threaded Rod (1 Each = 1 Feet) | EA | 166 | 0% | 166 | 0.07 | $ 75.00 | $ 5.25 | $ 6.90 | $ 12.15 | $ 2,016.90 |
| 590 | | | 4" × 4" × 1/4" Thick Pipe Stanchion | EA | 7 | 0% | 7 | 0.50 | $ 75.00 | $ 37.50 | $ 57.84 | $ 95.34 | $ 667.38 |
| | | | | | | | | | | | | **SUBTOTAL** | **$ 2,947,904** |

## ELECTRICAL

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **DISTRIBUTION** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 591 | | | 3/4" EMT Conduit | LF | 44 | 10% | 49 | 0.06 | $ 75.00 | $ 4.65 | $ 2.03 | $ 6.68 | $ 324.71 |
| 592 | | | 1" EMT Conduit | LF | 181 | 10% | 199 | 0.07 | $ 75.00 | $ 5.25 | $ 3.46 | $ 8.71 | $ 1,734.16 |
| 593 | | | 1-1/2" EMT Conduit | LF | 1771 | 10% | 1948 | 0.09 | $ 75.00 | $ 6.68 | $ 7.04 | $ 13.72 | $ 26,719.85 |
| 594 | | | 2" EMT Conduit | LF | 1241 | 10% | 1365 | 0.10 | $ 75.00 | $ 7.50 | $ 8.67 | $ 16.17 | $ 22,067.98 |
| 595 | | | 4" EMT Conduit | LF | 3776 | 10% | 4153 | 0.20 | $ 75.00 | $ 15.00 | $ 19.23 | $ 34.23 | $ 142,169.82 |
| 596 | | **For Future** | 4" EMT Conduit | LF | 1404 | 10% | 1544 | 0.20 | $ 75.00 | $ 15.00 | $ 19.23 | $ 34.23 | $ 52,865.94 |
| 597 | | | 4" PVC SCH 40 Conduit | LF | 2102 | 10% | 2312 | 0.18 | $ 75.00 | $ 13.35 | $ 16.95 | $ 30.30 | $ 70,056.99 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 598 | | | #10 CU THHN/THWN | LF | 402 | 10% | 442 | 0.008 | $ 75.00 | $ 0.60 | $ 0.38 | $ 0.98 | $ 433.30 |
| 599 | | | #8 CU THHN/THWN | LF | 97 | 10% | 107 | 0.009 | $ 75.00 | $ 0.68 | $ 0.56 | $ 1.24 | $ 131.86 |
| 600 | | | #6 CU THHN/THWN | LF | 2409 | 10% | 2650 | 0.010 | $ 75.00 | $ 0.75 | $ 0.86 | $ 1.61 | $ 4,266.80 |
| 601 | | | #4 CU THHN/THWN | LF | 1339 | 10% | 1473 | 0.011 | $ 75.00 | $ 0.83 | $ 1.32 | $ 2.15 | $ 3,158.54 |
| 602 | | | #2 CU THHN/THWN | LF | 4559 | 10% | 5015 | 0.013 | $ 75.00 | $ 0.98 | $ 2.07 | $ 3.05 | $ 15,271.88 |
| 603 | | **For Future** | #2 CU THHN/THWN | LF | 1404 | 10% | 1544 | 0.013 | $ 75.00 | $ 0.98 | $ 2.07 | $ 3.05 | $ 4,702.80 |
| 604 | | | #1 CU THHN/THWN | LF | 2432 | 10% | 2675 | 0.014 | $ 75.00 | $ 1.05 | $ 2.26 | $ 3.31 | $ 8,853.35 |
| 605 | | | #1/0 CU THHN/THWN | LF | 1295 | 10% | 1425 | 0.015 | $ 75.00 | $ 1.13 | $ 2.77 | $ 3.90 | $ 5,549.88 |
| 606 | | | #3/0 CU THHN/THWN | LF | 4190 | 10% | 4609 | 0.017 | $ 75.00 | $ 1.28 | $ 4.31 | $ 5.59 | $ 25,740.53 |
| 607 | | | #4/0 CU THHN/THWN | LF | 2102 | 10% | 2312 | 0.018 | $ 75.00 | $ 1.35 | $ 5.37 | $ 6.72 | $ 15,537.39 |
| 608 | | | #4/0 CU XHHW-2 | LF | 2337 | 10% | 2571 | 0.018 | $ 75.00 | $ 1.35 | $ 6.32 | $ 7.67 | $ 19,717.78 |
| 609 | | | #250KCMIL CU THHN/THWN | LF | 971 | 10% | 1068 | 0.025 | $ 75.00 | $ 1.88 | $ 6.22 | $ 8.10 | $ 8,648.94 |
| 610 | | | #400KCMIL CU THHN/THWN | LF | 1495 | 10% | 1645 | 0.032 | $ 75.00 | $ 2.40 | $ 9.95 | $ 12.35 | $ 20,312.29 |
| 611 | | | #500KCMIL CU THHN/THWN | LF | 17807 | 10% | 19588 | 0.035 | $ 75.00 | $ 2.63 | $ 12.57 | $ 15.20 | $ 297,638.78 |
| 612 | | | #500KCMIL XHHW-2 | LF | 9348 | 10% | 10283 | 0.035 | $ 75.00 | $ 2.63 | $ 14.55 | $ 17.18 | $ 176,611.62 |
| 613 | | | #600KCMIL CU THHN/THWN | LF | 7447 | 10% | 8192 | 0.040 | $ 75.00 | $ 3.00 | $ 15.65 | $ 18.65 | $ 152,776.64 |
| 614 | | **For Future** | #600KCMIL CU THHN/THWN | LF | 4212 | 10% | 4633 | 0.040 | $ 75.00 | $ 3.00 | $ 15.65 | $ 18.65 | $ 86,411.03 |
| | | | **CIRCUIT BREAKER** | | | | | | | | | | |
| 615 | | | 1P/15A Breaker | EA | 2 | 0% | 2 | 0.420 | $ 75.00 | $ 31.50 | $ 28.00 | $ 59.50 | $ 119.00 |
| 616 | | | 1P/20A Breaker | EA | 283 | 0% | 283 | 0.420 | $ 75.00 | $ 31.50 | $ 33.00 | $ 64.50 | $ 18,253.50 |
| 617 | | | 1P/20A GFCI Breaker | EA | 2 | 0% | 2 | 0.420 | $ 75.00 | $ 31.50 | $ 43.25 | $ 74.75 | $ 149.50 |
| 618 | | | 1P/70AT/600AF Breaker | EA | 1 | 0% | 1 | 0.500 | $ 75.00 | $ 37.50 | $ 82.60 | $ 120.10 | $ 120.10 |
| 619 | | | 2P/15A Breaker | EA | 28 | 0% | 28 | 0.450 | $ 75.00 | $ 33.75 | $ 37.00 | $ 70.75 | $ 1,981.00 |
| 620 | | | 2P/20A Breaker | EA | 10 | 0% | 10 | 0.450 | $ 75.00 | $ 33.75 | $ 43.18 | $ 76.93 | $ 769.30 |
| 621 | | | 2P/25A Breaker | EA | 1 | 0% | 1 | 0.450 | $ 75.00 | $ 33.75 | $ 46.00 | $ 79.75 | $ 79.75 |
| 622 | | | 2P/40A Breaker | EA | 1 | 0% | 1 | 0.500 | $ 75.00 | $ 37.50 | $ 67.91 | $ 105.41 | $ 105.41 |
| 623 | | | 2P/100A Breaker | EA | 9 | 0% | 9 | 0.931 | $ 75.00 | $ 69.83 | $ 216.08 | $ 285.91 | $ 2,573.15 |
| 624 | | | 3P/15A Breaker | EA | 32 | 0% | 32 | 0.510 | $ 75.00 | $ 38.25 | $ 52.00 | $ 90.25 | $ 2,888.00 |
| 625 | | | 3P/20A Breaker | EA | 16 | 0% | 16 | 0.510 | $ 75.00 | $ 38.25 | $ 58.00 | $ 96.25 | $ 1,540.00 |
| 626 | | | 3P/25A Breaker | EA | 4 | 0% | 4 | 0.550 | $ 75.00 | $ 41.25 | $ 72.00 | $ 113.25 | $ 453.00 |
| 627 | | | 3P/25A MCB | EA | 1 | 0% | 1 | 0.550 | $ 75.00 | $ 41.25 | $ 85.33 | $ 126.58 | $ 126.58 |
| 628 | | | 3P/30A Breaker | EA | 35 | 0% | 35 | 0.550 | $ 75.00 | $ 41.25 | $ 85.00 | $ 126.25 | $ 4,418.75 |
| 629 | | | 3P/35A Breaker | EA | 2 | 0% | 2 | 0.590 | $ 75.00 | $ 44.25 | $ 87.55 | $ 131.80 | $ 263.60 |
| 630 | | | 3P/40A Breaker | EA | 1 | 0% | 1 | 0.590 | $ 75.00 | $ 44.25 | $ 91.80 | $ 136.05 | $ 136.05 |
| 631 | | | 3P/60A Breaker | EA | 17 | 0% | 17 | 0.650 | $ 75.00 | $ 48.75 | $ 112.00 | $ 160.75 | $ 2,732.75 |
| 632 | | | 3P/70AT/600AF Breaker | EA | 4 | 0% | 4 | 0.680 | $ 75.00 | $ 51.00 | $ 133.62 | $ 184.62 | $ 738.48 |
| 633 | | | 3P/70AT/600AF Medium Voltage Drawout Breaker | EA | 5 | 0% | 5 | 0.680 | $ 75.00 | $ 51.00 | $ 128.56 | $ 179.56 | $ 897.80 |
| 634 | | | 3P/90A Breaker | EA | 4 | 0% | 4 | 0.750 | $ 75.00 | $ 56.25 | $ 250.65 | $ 306.90 | $ 1,227.60 |
| 635 | | | 3P/100A MCB | EA | 13 | 0% | 13 | 0.980 | $ 75.00 | $ 73.50 | $ 395.00 | $ 468.50 | $ 6,090.50 |
| 636 | | | 3P/100AF/100AT LSI Breaker | EA | 3 | 0% | 3 | 0.980 | $ 75.00 | $ 73.50 | $ 385.65 | $ 459.15 | $ 1,377.45 |
| 637 | | | 3P/150A MCB | EA | 3 | 0% | 3 | 1.400 | $ 75.00 | $ 105.00 | $ 634.00 | $ 739.00 | $ 2,217.00 |
| 638 | | | 3P/200A MCB | EA | 9 | 0% | 9 | 1.720 | $ 75.00 | $ 129.00 | $ 750.00 | $ 879.00 | $ 7,911.00 |
| 639 | | | 3P/200AT/400AF Breaker | EA | 5 | 0% | 5 | 1.720 | $ 75.00 | $ 129.00 | $ 865.00 | $ 994.00 | $ 4,970.00 |
| 640 | | | 3P/400A Breaker | EA | 2 | 0% | 2 | 2.330 | $ 75.00 | $ 174.75 | $ 1,630.00 | $ 1,804.75 | $ 3,609.50 |
| 641 | | | 3P/400AF/125AT LSI Breaker | EA | 1 | 0% | 1 | 2.330 | $ 75.00 | $ 174.75 | $ 1,680.44 | $ 1,855.19 | $ 1,855.19 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 642 | | | 3P/400AF/200AT LSIG Breaker | EA | 5 | 0% | 5 | 2.330 | $ 75.00 | $ 174.75 | $ 1,630.00 | $ 1,804.75 | $ 9,023.75 |
| 643 | | | 3P/600AF/125AT Medium Voltage Drawout Breaker | EA | 1 | 0% | 1 | 2.600 | $ 75.00 | $ 195.00 | $ 3,256.48 | $ 3,451.48 | $ 3,451.48 |
| 644 | | | 3P/800A MCB | EA | 1 | 0% | 1 | 3.590 | $ 75.00 | $ 269.25 | $ 4,800.00 | $ 5,069.25 | $ 5,069.25 |
| 645 | | | 3P/800AF/800AT LSIG N.C. Air Power Breaker | EA | 1 | 0% | 1 | 3.590 | $ 75.00 | $ 269.25 | $ 4,800.00 | $ 5,069.25 | $ 5,069.25 |
| 646 | | | 3P/2000A MCB | EA | 3 | 0% | 3 | 8.000 | $ 75.00 | $ 600.00 | $ 13,907.00 | $ 14,507.00 | $ 43,521.00 |
| 647 | | | 3P/3000A MCB | EA | 3 | 0% | 3 | 8.000 | $ 75.00 | $ 600.00 | $ 17,850.00 | $ 18,450.00 | $ 55,350.00 |
| 648 | | | 3P/3000AT/3200AF Breaker | EA | 3 | 0% | 3 | 8.000 | $ 75.00 | $ 600.00 | $ 17,850.00 | $ 18,450.00 | $ 55,350.00 |
| 649 | | | 4P/3000AF/3000AT LSIG Air Power Breaker | EA | 1 | 0% | 1 | 8.000 | $ 75.00 | $ 600.00 | $ 17,850.00 | $ 18,450.00 | $ 18,450.00 |
| 650 | | | 3P/100AF/60AT LSI Breaker | EA | 3 | 0% | 3 | 0.980 | $ 75.00 | $ 73.50 | | $ 73.50 | $ 220.50 |
| 651 | | | 3P/100AF/100AT LSI Breaker | EA | 9 | 0% | 9 | 0.980 | $ 75.00 | $ 73.50 | | $ 73.50 | $ 661.50 |
| 652 | | | 3P/100AF/100AT LSIG Breaker | EA | 3 | 0% | 3 | 0.980 | $ 75.00 | $ 73.50 | | $ 73.50 | $ 220.50 |
| 653 | | | 3P/200AF/200AT LSI Breaker | EA | 6 | 0% | 6 | 1.720 | $ 75.00 | $ 129.00 | | $ 129.00 | $ 774.00 |
| 654 | | | 3P/250AF/90AT LSI Breaker | EA | 3 | 0% | 3 | 1.830 | $ 75.00 | $ 137.25 | | $ 137.25 | $ 411.75 |
| 655 | | | 3P/250AF/250AT LSI Breaker | EA | 3 | 0% | 3 | 1.830 | $ 75.00 | $ 137.25 | | $ 137.25 | $ 411.75 |
| 656 | | | 3P/400A Breaker | EA | 6 | 0% | 6 | 2.330 | $ 75.00 | $ 174.75 | | $ 174.75 | $ 1,048.50 |
| 657 | | | 3P/400AF/400AT LSI Breaker | EA | 3 | 0% | 3 | 2.330 | $ 75.00 | $ 174.75 | | $ 174.75 | $ 524.25 |
| 658 | | **OFCI** | 3P/800AF/700AT LSIG Breaker | EA | 3 | 0% | 3 | 3.110 | $ 75.00 | $ 233.25 | | $ 233.25 | $ 699.75 |
| 659 | | | 3P/1600AF/1600AT LSIG Air Power Breaker | EA | 12 | 0% | 12 | 4.800 | $ 75.00 | $ 360.00 | | $ 360.00 | $ 4,320.00 |
| 660 | | | 3P/2000AF/2000AT LSIG Air Power Breaker | EA | 6 | 0% | 6 | 8.000 | $ 75.00 | $ 600.00 | | $ 600.00 | $ 3,600.00 |
| 661 | | | 3P/2000AF/2000AT TPN LSI N.C. Air Power Breaker | EA | 3 | 0% | 3 | 8.000 | $ 75.00 | $ 600.00 | | $ 600.00 | $ 1,800.00 |
| 662 | | | 3P/3000AF/3000AT LSIG Air Power Breaker | EA | 3 | 0% | 3 | 8.000 | $ 75.00 | $ 600.00 | | $ 600.00 | $ 1,800.00 |
| 663 | | | 4P/2000AF/2000AT LSIG N.O. Air Power Breaker | EA | 3 | 0% | 3 | 9.550 | $ 75.00 | $ 716.25 | | $ 716.25 | $ 2,148.75 |
| 664 | | | 4P/2000AF/2000AT LSIG N.O. Air Power Breaker With SKRU Device | EA | 3 | 0% | 3 | 9.550 | $ 75.00 | $ 716.25 | | $ 716.25 | $ 2,148.75 |
| 665 | | | 4P/3200AF/3000AT LSIG Air Power Breaker | EA | 3 | 0% | 3 | 11.550 | $ 75.00 | $ 866.25 | | $ 866.25 | $ 2,598.75 |
| 666 | | | 4P/3200AF/3000AT LSIG N.C Air Power Breaker | EA | 6 | 0% | 6 | 11.55 | $ 75.00 | $ 866.25 | | $ 866.25 | $ 5,197.50 |
| | | | **PANEL** | | | | | | | | | | |
| 667 | | | Panel DB-A1: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surfa | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 668 | | | Panel DB-B1: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surfa | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 669 | | | Panel DB-C1: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surfa | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 670 | | | Panel DB-D1: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surfa | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 671 | | | Panel DB-D2: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surfa | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 672 | | | Panel EDB-DA-1: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Su | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 673 | | | Panel EDB-DB-1: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Su | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 674 | | | Panel EDB-DC-1: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Su | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 675 | | | Panel ELP-DC-2-1: 100A, 480/277V, 3Ph, 4W, Mains: MCB, 65KAIC, 42 Pole, | EA | 1 | 0% | 1 | 5.00 | $ 75.00 | $ 375.00 | $ 2,520.00 | $ 2,895.00 | $ 2,895.00 |
| 676 | | | Panel RP-A1: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 42 Pole, Surfac | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 677 | | | Panel RP-A1-1: 100A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 12 Pole, Sur | EA | 1 | 0% | 1 | 5.50 | $ 75.00 | $ 412.50 | $ 2,640.00 | $ 3,052.50 | $ 3,052.50 |
| 678 | | | Panel RP-B1: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 42 Pole, Surfac | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 679 | | | Panel RP-C1: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 42 Pole, Surfac | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 680 | | | Panel RP-D1: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 42 Pole, Surfac | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 681 | | | Panel RP-D2: 100A, 120/208V, 3Ph, 4W, Mains: MCB, 65KAIC, 42 Pole, Surfac | EA | 1 | 0% | 1 | 5.50 | $ 75.00 | $ 412.50 | $ 2,640.00 | $ 3,052.50 | $ 3,052.50 |
| 682 | | | Panel RP-DA-1: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 42 Pole, Sur | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 683 | | | Panel RP-DB-1: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 54 Pole, Sur | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,660.00 | $ 4,147.50 | $ 4,147.50 |
| 684 | | | Panel RP-DC-1: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 54 Pole, Sur | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,660.00 | $ 4,147.50 | $ 4,147.50 |
| 685 | | | Panel UDB-A3: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surf | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 686 | | | Panel UDB-B3: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surf | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 687 | | | Panel UDB-C3: 225A, 480/277V, 3Ph, 4W, Mains: MCB, 42KAIC, 42 Pole, Surf | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 3,900.00 | $ 4,387.50 | $ 4,387.50 |
| 688 | | | Panel URP-A3: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 30 Pole, Surf | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 689 | | | Panel URP-A4: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 30 Pole, Surf | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 690 | | | Panel URP-B3: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 30 Pole, Surf | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 691 | | | Panel URP-B4: 225A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 30 Pole, Surf | EA | 1 | 0% | 1 | 6.00 | $ 75.00 | $ 450.00 | $ 3,540.00 | $ 3,990.00 | $ 3,990.00 |
| 692 | | | Panel URP-C3: 100A, 120/208V, 3Ph, 4W, Mains: MCB, 10KAIC, 18 Pole, Surf | EA | 1 | 0% | 1 | 5.50 | $ 75.00 | $ 412.50 | $ 2,520.00 | $ 2,932.50 | $ 2,932.50 |
| 693 | | **Rating Assumed** | Switchboard SDC-A: 3000A | EA | 1 | 0% | 1 | 80.00 | $ 75.00 | $ 6,000.00 | $ 54,000.00 | $ 60,000.00 | $ 60,000.00 |
| 694 | | | Switchboard USS-A: 800A, 480V, 3Ph, 3W, Mains: MCB, 65KAIC, 4 Pole | EA | 1 | 0% | 1 | 25.00 | $ 75.00 | $ 1,875.00 | $ 21,600.00 | $ 23,475.00 | $ 23,475.00 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 695 | | | Switchboard USS-B: 800A, 480V, 3Ph, 3W, Mains: MCB, 65KAIC, 4 Pole | EA | 1 | 0% | 1 | 25.00 | $ 75.00 | $ 1,875.00 | $ 21,600.00 | $ 23,475.00 | $ 23,475.00 |
| 696 | | | Switchboard USS-C: 800A, 480V, 3Ph, 3W, Mains: MCB, 65KAIC, 4 Pole | EA | 1 | 0% | 1 | 25.00 | $ 75.00 | $ 1,875.00 | $ 21,600.00 | $ 23,475.00 | $ 23,475.00 |
| 697 | | | Switchboard USS-D: 800A, 480/277V, 3Ph, 4W, Mains: MCB, 65KAIC, 18 Pole | EA | 1 | 0% | 1 | 28.00 | $ 75.00 | $ 2,100.00 | $ 23,400.00 | $ 25,500.00 | $ 25,500.00 |
| 698 | | | Main Switchboard MSB-D: 800A, 480Y/277V, 60Hz, 3Ph, 4W + G, 65KAIC RM | EA | 1 | 0% | 1 | 30.00 | $ 75.00 | $ 2,250.00 | $ 26,400.00 | $ 28,650.00 | $ 28,650.00 |
| 699 | | | Surge Protection Device Type 1/2 | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,440.00 | $ 1,627.50 | $ 1,627.50 |
| 700 | | OFCI | Main Switchboard MSB-A: 3000A, 480Y/277V, 60Hz, 3Ph, 4W + G, 65KAIC R | EA | 1 | 0% | 1 | 85.00 | $ 75.00 | $ 6,375.00 | $ 58,842.00 | $ 65,217.00 | $ 65,217.00 |
| 701 | | | Surge Protection Device Type 1/2 | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,440.00 | $ 1,627.50 | $ 1,627.50 |
| 702 | | | Main Switchboard MSB-B: 3000A, 480Y/277V, 60Hz, 3Ph, 4W + G, 65KAIC R | EA | 1 | 0% | 1 | 85.00 | $ 75.00 | $ 6,375.00 | $ 58,842.00 | $ 65,217.00 | $ 65,217.00 |
| 703 | | | Surge Protection Device Type 1/2 | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,440.00 | $ 1,627.50 | $ 1,627.50 |
| 704 | | | Main Switchboard MSB-C: 3000A, 480Y/277V, 60Hz, 3Ph, 4W + G, 65KAIC R | EA | 1 | 0% | 1 | 85.00 | $ 75.00 | $ 6,375.00 | $ 58,842.00 | $ 65,217.00 | $ 65,217.00 |
| 705 | | | Surge Protection Device Type 1/2 | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,440.00 | $ 1,627.50 | $ 1,627.50 |
| | | | **DEVICES** | | | | | | | | | | |
| 706 | | | 100A Meter With CT Cabinet | EA | 3 | 0% | 3 | 12.28 | $ 75.00 | $ 921.00 | $ 1,740.44 | $ 2,661.44 | $ 7,984.33 |
| 707 | | | 225A Meter With CT Cabinet | EA | 22 | 0% | 22 | 14.53 | $ 75.00 | $ 1,089.75 | $ 3,180.97 | $ 4,270.72 | $ 93,955.88 |
| 708 | | | 3 PTs Voltage Transformer | EA | 2 | 0% | 2 | 8.74 | $ 75.00 | $ 655.50 | $ 1,584.50 | $ 2,240.00 | $ 4,480.01 |
| 709 | | | 3000A Load Bank & Temp Gen Busway BD-M, 65kA, 4W + G | LF | 126 | 0% | 126 | 2.75 | $ 75.00 | $ 206.25 | $ 3,000.60 | $ 3,206.85 | $ 403,838.62 |
| 710 | | | 3000A, 480V, 3Ph, 4W + G Dual Purpose Docking Station, NEMA 3R Aluminum | EA | 1 | 0% | 1 | 48.36 | $ 75.00 | $ 3,627.00 | $ 22,500.74 | $ 26,127.74 | $ 26,127.74 |
| 711 | | | 3CTs 100:5 Current Transformer With Shorting Terminal Block | EA | 5 | 0% | 5 | 6.48 | $ 75.00 | $ 486.00 | $ 1,350.23 | $ 1,836.23 | $ 9,181.14 |
| 712 | | | 3CTs 150:5 Current Transformer With Shorting Terminal Block | EA | 1 | 0% | 1 | 7.12 | $ 75.00 | $ 534.00 | $ 1,716.68 | $ 2,250.68 | $ 2,250.68 |
| 713 | | | 3CTs Current Transformer With Shorting Terminal Block | EA | 2 | 0% | 2 | 6.85 | $ 75.00 | $ 513.75 | $ 1,452.53 | $ 1,966.28 | $ 3,932.56 |
| 714 | | | 51/51N Protective Relay | EA | 7 | 0% | 7 | 4.95 | $ 75.00 | $ 371.25 | $ 3,336.25 | $ 3,707.50 | $ 25,952.51 |
| 715 | | | 800A Meter With CT Cabinet | EA | 3 | 0% | 3 | 18.47 | $ 75.00 | $ 1,385.25 | $ 6,504.76 | $ 7,890.01 | $ 23,670.02 |
| 716 | | | ATS-DA-1: 4P/200A, 480V, WCR 35kA Automatic Transfer Switch | EA | 1 | 0% | 1 | 15.34 | $ 75.00 | $ 1,150.50 | $ 8,551.06 | $ 9,701.56 | $ 9,701.56 |
| 717 | | | ATS-DB-1: 4P/200A, 480V, WCR 35kA Automatic Transfer Switch | EA | 1 | 0% | 1 | 15.34 | $ 75.00 | $ 1,150.50 | $ 8,551.06 | $ 9,701.56 | $ 9,701.56 |
| 718 | | | ATS-DC-1: 4P/200A, 480V, WCR 35kA Automatic Transfer Switch | EA | 1 | 0% | 1 | 15.34 | $ 75.00 | $ 1,150.50 | $ 8,551.06 | $ 9,701.56 | $ 9,701.56 |
| 719 | | | ATS-DC-2: 2P/20A, WCR 35kA Automatic Transfer Switch | EA | 1 | 0% | 1 | 6.92 | $ 75.00 | $ 519.00 | $ 2,250.53 | $ 2,769.53 | $ 2,769.53 |
| 720 | | | LIS-D: 600A, 22kV, 20E Fuse, 60Hz, 3Ph, 4W, + G, 25kA SYM Load Interrupter | EA | 1 | 0% | 1 | 22.18 | $ 75.00 | $ 1,663.50 | $ 10,740.44 | $ 12,403.94 | $ 12,403.94 |
| 721 | | | Utility Switchgear & Metering (By Utility Company) | EA | 1 | 0% | 1 | 50.00 | $ 75.00 | $ 3,750.00 | $ - | $ 3,750.00 | $ 3,750.00 |
| 722 | | | XFMR-A1: 45kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 12.44 | $ 75.00 | $ 933.00 | $ 7,584.67 | $ 8,517.67 | $ 8,517.67 |
| 723 | | | XFMR-A3: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 724 | | | XFMR-A4: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 725 | | | XFMR-B1: 45kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 12.44 | $ 75.00 | $ 933.00 | $ 7,584.67 | $ 8,517.67 | $ 8,517.67 |
| 726 | | | XFMR-B3: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 727 | | | XFMR-B4: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 728 | | | XFMR-C1: 45kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 12.44 | $ 75.00 | $ 933.00 | $ 7,584.67 | $ 8,517.67 | $ 8,517.67 |
| 729 | | | XFMR-C3: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 730 | | | XFMR-D: 500kVA, Cast Coil, 22kV 480Y/277V, 3Ph, 4W + G, 60Hz, Class H, K | EA | 1 | 0% | 1 | 85.63 | $ 75.00 | $ 6,422.25 | $ 150,540.92 | $ 156,963.17 | $ 156,963.17 |
| 731 | | | XFMR-D1: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 732 | | | XFMR-D2: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 733 | | | XFMR-DA-1: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 734 | | | XFMR-DB-1: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 735 | | | XFMR-DC-1: 30kVA, 480:208Y/120V Transformer | EA | 1 | 0% | 1 | 10.12 | $ 75.00 | $ 759.00 | $ 5,100.13 | $ 5,859.13 | $ 5,859.13 |
| 736 | E-101A, E101B, E-102A, E-102B, E-201, E-201A, E-201B, E-210, E-211, E-251, E-251A, E-251B, E-501, E-502, E-503, E-504, E-505, E-530, E-531, E-532, E-801, E-802, E-803, E-806, E-901, E902, E903, E904, E905, E906 & E907 | | UPS-A: 1500kW / 1500kVA, PF=1, 480Y/277V, 3Ph, 4W + G, 6 MIN E.O.L | EA | 1 | 0% | 1 | 210.85 | $ 75.00 | $ 15,813.75 | $ 462,900.50 | $ 478,714.25 | $ 478,714.25 |
| 737 | | | UPS-B: 1500kW / 1500kVA, PF=1, 480Y/277V, 3Ph, 4W + G, 6 MIN E.O.L | EA | 1 | 0% | 1 | 210.85 | $ 75.00 | $ 15,813.75 | $ 462,900.50 | $ 478,714.25 | $ 478,714.25 |
| 738 | | | UPS-C: 1500kW / 1500kVA, PF=1, 480Y/277V, 3Ph, 4W + G, 6 MIN E.O.L | EA | 1 | 0% | 1 | 210.85 | $ 75.00 | $ 15,813.75 | $ 462,900.50 | $ 478,714.25 | $ 478,714.25 |
| 739 | | | 2000A Busway UDB-A-1, 65kA, 3W + G | LF | 102 | 0% | 102 | 2.25 | $ 75.00 | $ 168.75 | $ 2,220.90 | $ 2,389.65 | $ 243,744.30 |
| 740 | | | Surge Protection Device | EA | 2 | 0% | 2 | 3.52 | $ 75.00 | $ 264.00 | $ 1,344.53 | $ 1,608.53 | $ 3,217.06 |
| 741 | | | 2000A Busway UDB-B-1, 65kA, 3W + G | LF | 97 | 0% | 97 | 2.25 | $ 75.00 | $ 168.75 | $ 2,220.90 | $ 2,389.65 | $ 231,796.05 |
| 742 | | | Surge Protection Device | EA | 2 | 0% | 2 | 3.52 | $ 75.00 | $ 264.00 | $ 1,344.53 | $ 1,608.53 | $ 3,217.06 |
| 743 | | | 2000A Busway UDB-C-1, 65kA, 3W + G | LF | 96 | 0% | 96 | 2.25 | $ 75.00 | $ 168.75 | $ 2,220.90 | $ 2,389.65 | $ 229,406.40 |
| 744 | | | Surge Protection Device | EA | 2 | 0% | 2 | 3.52 | $ 75.00 | $ 264.00 | $ 1,344.53 | $ 1,608.53 | $ 3,217.06 |
| 745 | | | 30kVA, 480:208Y/120V Transformer | EA | 3 | 0% | 3 | 10.12 | $ 75.00 | $ 759.00 | $ - | $ 759.00 | $ 2,277.00 |
| 746 | | | 45kVA, 480:415Y/240V Transformer | EA | 3 | 0% | 3 | 12.44 | $ 75.00 | $ 933.00 | $ - | $ 933.00 | $ 2,799.00 |
| 747 | | | 600A, 110E Fuse, 22kV Load Interrupter Switch | EA | 3 | 0% | 3 | 18.65 | $ 75.00 | $ 1,398.75 | $ - | $ 1,398.75 | $ 4,196.25 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 748 | | | GEN-A1: 900kW / 1125kVA (DCC) 8pf, 480Y/277V, 3Ph, 4W + G, 60 Hz Genera | EA | 1 | 0% | 1 | 95.12 | $ 75.00 | $ 7,134.00 | $ - | $ 7,134.00 | $ 7,134.00 |
| 749 | | | GEN-A2: 900kW / 1125kVA (DCC) 8pf, 480Y/277V, 3Ph, 4W + G, 60 Hz Genera | EA | 1 | 0% | 1 | 95.12 | $ 75.00 | $ 7,134.00 | $ - | $ 7,134.00 | $ 7,134.00 |
| 750 | | | GEN-B1: 900kW / 1125kVA (DCC) 8pf, 480Y/277V, 3Ph, 4W + G, 60 Hz Genera | EA | 1 | 0% | 1 | 95.12 | $ 75.00 | $ 7,134.00 | $ - | $ 7,134.00 | $ 7,134.00 |
| 751 | | | GEN-B2: 900kW / 1125kVA (DCC) 8pf, 480Y/277V, 3Ph, 4W + G, 60 Hz Genera | EA | 1 | 0% | 1 | 95.12 | $ 75.00 | $ 7,134.00 | $ - | $ 7,134.00 | $ 7,134.00 |
| 752 | | | GEN-C1: 900kW / 1125kVA (DCC) 8pf, 480Y/277V, 3Ph, 4W + G, 60 Hz Genera | EA | 1 | 0% | 1 | 95.12 | $ 75.00 | $ 7,134.00 | $ - | $ 7,134.00 | $ 7,134.00 |
| 753 | | | GEN-C2: 900kW / 1125kVA (DCC) 8pf, 480Y/277V, 3Ph, 4W + G, 60 Hz Genera | EA | 1 | 0% | 1 | 95.12 | $ 75.00 | $ 7,134.00 | $ - | $ 7,134.00 | $ 7,134.00 |
| 754 | | **OFCI** | Generator Auxility DB | EA | 6 | 0% | 6 | 18.23 | $ 75.00 | $ 1,367.25 | $ - | $ 1,367.25 | $ 8,203.50 |
| 755 | | | LV Unit Substation USS-A: 3000A, 480Y/277V, 60Hz, 3Ph, 4W + G, 65KAIC | EA | 1 | 0% | 1 | 92.41 | $ 75.00 | $ 6,930.75 | $ - | $ 6,930.75 | $ 6,930.75 |
| 756 | | | LV Unit Substation USS-B: 3000A, 480Y/277V, 60Hz, 3Ph, 4W + G, 65KAIC | EA | 1 | 0% | 1 | 92.41 | $ 75.00 | $ 6,930.75 | $ - | $ 6,930.75 | $ 6,930.75 |
| 757 | | | LV Unit Substation USS-C: 3000A, 480Y/277V, 60Hz, 3Ph, 4W + G, 65KAIC | EA | 1 | 0% | 1 | 92.41 | $ 75.00 | $ 6,930.75 | $ - | $ 6,930.75 | $ 6,930.75 |
| 758 | | | TX-A: 1500/2000kVA AA/FA, Cast Coil 22kV -480Y/277V, DYN 11 Z = 5.75% ( | EA | 1 | 0% | 1 | 110.63 | $ 75.00 | $ 8,297.25 | $ - | $ 8,297.25 | $ 8,297.25 |
| 759 | | | TX-B: 1500/2000kVA AA/FA, Cast Coil 22kV -480Y/277V, DYN 11 Z = 5.75% ( | EA | 1 | 0% | 1 | 110.63 | $ 75.00 | $ 8,297.25 | $ - | $ 8,297.25 | $ 8,297.25 |
| 760 | | | TX-C: 1500/2000kVA AA/FA, Cast Coil 22kV -480Y/277V, DYN 11 Z = 5.75% ( | EA | 1 | 0% | 1 | 110.63 | $ 75.00 | $ 8,297.25 | $ - | $ 8,297.25 | $ 8,297.25 |
| | | | **DISCONNECT SWITCH** | | | | | | | | | | |
| 761 | | **Rating Assumed From Panel** | 1P/20A Fusible Disconnect Switch, NEMA-1 | EA | 2 | 0% | 2 | 0.50 | $ 75.00 | $ 37.50 | $ 144.00 | $ 181.50 | $ 363.00 |
| 762 | | | 2P/60A Non Fusible Disconnect Switch, NEMA-1 | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 216.00 | $ 272.25 | $ 272.25 |
| 763 | | **Rating Assumed From Panel** | 3P/20A Fusible Disconnect Switch, NEMA-1 | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 192.00 | $ 248.25 | $ 248.25 |
| 764 | | | 3P/30A Fusible Disconnect Switch, NEMA-4X (SS) | EA | 1 | 0% | 1 | 1.00 | $ 75.00 | $ 75.00 | $ 432.00 | $ 507.00 | $ 507.00 |
| 765 | | | 3P/30A Non Fusible Disconnect Switch, NEMA-1 | EA | 2 | 0% | 2 | 0.75 | $ 75.00 | $ 56.25 | $ 240.00 | $ 296.25 | $ 592.50 |
| 766 | | | 3P/30AS/15AF Fusible Disconnect Switch, NEMA-4X (SS) | EA | 2 | 0% | 2 | 1.00 | $ 75.00 | $ 75.00 | $ 456.00 | $ 531.00 | $ 1,062.00 |
| 767 | | | 3P/30AS/20AF Fusible Disconnect Switch, NEMA-1 | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 288.00 | $ 344.25 | $ 344.25 |
| 768 | | | 3P/30AS/20AF Fusible Disconnect Switch, NEMA-4X (SS) | EA | 2 | 0% | 2 | 1.00 | $ 75.00 | $ 75.00 | $ 480.00 | $ 555.00 | $ 1,110.00 |
| 769 | | | 3P/30AS/25AF Fusible Disconnect Switch, NEMA-4X (SS) | EA | 1 | 0% | 1 | 1.00 | $ 75.00 | $ 75.00 | $ 540.00 | $ 615.00 | $ 615.00 |
| 770 | | | 3P/30AS/30AF Fusible Disconnect Switch, NEMA-4X (SS) | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 600.00 | $ 693.75 | $ 693.75 |
| 771 | | | 3P/60AS/35AF Fusible Disconnect Switch, NEMA-4X (SS) | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 780.00 | $ 892.50 | $ 892.50 |
| 772 | | | 3P/60AS/40AF Fusible Disconnect Switch, NEMA-4X (SS) | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 840.00 | $ 952.50 | $ 952.50 |
| 773 | | | 3P/60AS/50AF Fusible Disconnect Switch, NEMA-4X (SS) | EA | 3 | 0% | 3 | 1.75 | $ 75.00 | $ 131.25 | $ 960.00 | $ 1,091.25 | $ 3,273.75 |
| 774 | | | 3P/100AS/100AF Fused Disconnect Switch | EA | 2 | 0% | 2 | 2.00 | $ 75.00 | $ 150.00 | $ 1,440.00 | $ 1,590.00 | $ 3,180.00 |
| 775 | | | 3P/400A Disconnect Switch | EA | 25 | 0% | 25 | 4.00 | $ 75.00 | $ 300.00 | $ 4,200.00 | $ 4,500.00 | $ 112,500.00 |
| 776 | | **For Future** | 3P/400A Disconnect Switch | EA | 16 | 0% | 16 | 4.00 | $ 75.00 | $ 300.00 | $ 4,200.00 | $ 4,500.00 | $ 72,000.00 |
| 777 | | **By Equipment Vendor Part Of Div. 23** | ACC-A: VFD/Disconnect Switch | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ - | $ 187.50 | $ 187.50 |
| 778 | | | ACC-B: VFD/Disconnect Switch | EA | 2 | 0% | 2 | 2.50 | $ 75.00 | $ 187.50 | $ - | $ 187.50 | $ 375.00 |
| | | | **GROUNDING** | | | | | | | | $ - | | |
| 779 | | | 3/4" x 10' CU Clad Ground Rod | EA | 15 | 0% | 15 | 0.50 | $ 75.00 | $ 37.50 | $ 58.50 | $ 96.00 | $ 1,440.00 |
| 780 | | | 3/4" x 10' CU Clad Steel Ground Rod Test Well | EA | 47 | 0% | 47 | 1.25 | $ 75.00 | $ 93.75 | $ 114.30 | $ 208.05 | $ 9,778.35 |
| 781 | | | 3/4" x 10' Stainless Steel Ground Rod | EA | 5 | 0% | 5 | 0.75 | $ 75.00 | $ 56.25 | $ 180.60 | $ 236.85 | $ 1,184.25 |
| 782 | | | 1/4" Thick x 4" Wide x 24" Long Electrical Room Main Earth Busbar, GBI SERIE | EA | 1 | 0% | 1 | 0.50 | $ 75.00 | $ 37.50 | $ 144.00 | $ 181.50 | $ 181.50 |
| 783 | | | Substation Main Earth Busbar | EA | 1 | 0% | 1 | 6.25 | $ 75.00 | $ 468.75 | $ 1,500.00 | $ 1,968.75 | $ 1,968.75 |
| 784 | | | Earth Busbar | EA | 1 | 0% | 1 | 2.00 | $ 75.00 | $ 150.00 | $ 420.00 | $ 570.00 | $ 570.00 |
| 785 | | | Telecom Earth Busbar | EA | 1 | 0% | 1 | 1.75 | $ 75.00 | $ 131.25 | $ 360.00 | $ 491.25 | $ 491.25 |
| 786 | | | POE Earth Busbar | EA | 4 | 0% | 4 | 1.50 | $ 75.00 | $ 112.50 | $ 330.60 | $ 443.10 | $ 1,772.40 |
| 787 | | | Telecom Main Earth Busbar | EA | 2 | 0% | 2 | 2.25 | $ 75.00 | $ 168.75 | $ 540.30 | $ 709.05 | $ 1,418.10 |
| 788 | | | Equipment Earth Busbar | EA | 8 | 0% | 8 | 1.25 | $ 75.00 | $ 93.75 | $ 264.90 | $ 358.65 | $ 2,869.20 |
| 789 | | | Rack Earth Busbar | EA | 8 | 0% | 8 | 1.00 | $ 75.00 | $ 75.00 | $ 216.60 | $ 291.60 | $ 2,332.80 |
| 790 | | | PFE Control Station Earth Busbar | EA | 4 | 0% | 4 | 1.50 | $ 75.00 | $ 112.50 | $ 372.30 | $ 484.80 | $ 1,939.20 |
| 791 | | | Electrical Unit Earth Busbar | EA | 3 | 0% | 3 | 1.50 | $ 75.00 | $ 112.50 | $ 348.90 | $ 461.40 | $ 1,384.20 |
| 792 | | | Warehouse Main Earth Busbar | EA | 2 | 0% | 2 | 5.50 | $ 75.00 | $ 412.50 | $ 1,320.60 | $ 1,733.10 | $ 3,466.20 |
| 793 | | | USS Earth Busbar | EA | 4 | 0% | 4 | 4.00 | $ 75.00 | $ 300.00 | $ 1,020.30 | $ 1,320.30 | $ 5,281.20 |
| 794 | | | Genset Earth Busbar | EA | 6 | 0% | 6 | 3.50 | $ 75.00 | $ 262.50 | $ 744.60 | $ 1,007.10 | $ 6,042.60 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 795 | | | Mechanical Yard Earth Busbar | EA | 2 | 0% | 2 | 2.50 | $ 75.00 | $ 187.50 | $ 480.90 | $ 668.40 | $ 1,336.80 |
| 796 | | | 1/4" Thick x 4" Wide Ground Busbar | EA | 15 | 0% | 15 | 0.75 | $ 75.00 | $ 56.25 | $ 114.30 | $ 170.55 | $ 2,558.25 |
| 797 | | | Neutral Bus Bar | EA | 15 | 0% | 15 | 1.50 | $ 75.00 | $ 112.50 | $ 390.00 | $ 502.50 | $ 7,537.50 |
| 798 | | Provided By Subsea System Vendor | Ocean Ground Bed Conductor | LF | 1214 | 10% | 1335 | 0.05 | $ 75.00 | $ 3.75 | $ - | $ 3.75 | $ 5,007.50 |
| 799 | | | #2 Stranded Bare CU Conductor | LF | 28 | 10% | 31 | 0.03 | $ 75.00 | $ 2.25 | $ 5.40 | $ 7.65 | $ 237.30 |
| 800 | | | #4/0 CU Grounding Conductor | LF | 300 | 10% | 330 | 0.10 | $ 75.00 | $ 7.50 | $ 30.60 | $ 38.10 | $ 12,573.00 |
| 801 | | | #4/0 Bare Tinned CU Conductor | LF | 3696 | 0% | 3696 | 0.10 | $ 75.00 | $ 7.50 | $ 36.30 | $ 43.80 | $ 161,871.22 |
| 802 | | | #1/0 CU Grounding Conductor | LF | 40 | 0% | 40 | 0.05 | $ 75.00 | $ 3.75 | $ 15.30 | $ 19.05 | $ 762.00 |
| 803 | | | 1" PVC SCH 40 Conduit | LF | 300 | 10% | 330 | 0.03 | $ 75.00 | $ 2.25 | $ 3.00 | $ 5.25 | $ 1,732.50 |
| | | | **POWER** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |
| 804 | | | 3/4" EMT Conduit | LF | 15487 | 10% | 17036 | 0.06 | $ 75.00 | $ 4.65 | $ 2.44 | $ 7.09 | $ 120,714.97 |
| 805 | | | 1" EMT Conduit | LF | 7211 | 10% | 7932 | 0.07 | $ 75.00 | $ 5.25 | $ 4.15 | $ 9.40 | $ 74,577.60 |
| 806 | | | 1" EMT Conduit With Pull String | LF | 213 | 10% | 234 | 0.07 | $ 75.00 | $ 5.25 | $ 4.18 | $ 9.43 | $ 2,204.78 |
| 807 | | | 1-1/2" EMT Conduit | LF | 932 | 10% | 1025 | 0.09 | $ 75.00 | $ 6.68 | $ 8.45 | $ 15.12 | $ 15,500.27 |
| 808 | | | 2" EMT Conduit | LF | 358 | 10% | 394 | 0.10 | $ 75.00 | $ 7.50 | $ 10.40 | $ 17.90 | $ 7,053.94 |
| 809 | | | 3/4" FMC Conduit | LF | 6 | 10% | 7 | 0.06 | $ 75.00 | $ 4.65 | $ 2.35 | $ 7.00 | $ 46.21 |
| 810 | | | 3/4" PVC SCH 40 Conduit | LF | 44 | 10% | 48 | 0.06 | $ 75.00 | $ 4.13 | $ 2.62 | $ 6.74 | $ 323.97 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 811 | | | 6-Strand Single Mode Fiber Optic Cable | LF | 119 | 10% | 131 | 0.03 | $ 75.00 | $ 2.25 | $ 2.94 | $ 5.19 | $ 681.60 |
| 812 | | | 2#20 Shielded Twisted Pair Cable, 6-Strand Single Mode Fiber Optic Cable | LF | 191 | 10% | 210 | 0.03 | $ 75.00 | $ 1.94 | $ 1.87 | $ 3.81 | $ 800.69 |
| 813 | | | #14 CU THHN/THWN | LF | 6350 | 10% | 6985 | 0.006 | $ 75.00 | $ 0.45 | $ 0.20 | $ 0.65 | $ 4,568.42 |
| 814 | | | #12 CU THHN/THWN | LF | 15790 | 10% | 17369 | 0.007 | $ 75.00 | $ 0.53 | $ 0.30 | $ 0.83 | $ 14,329.43 |
| 815 | | | #10 CU THHN/THWN | LF | 40107 | 10% | 44118 | 0.008 | $ 75.00 | $ 0.60 | $ 0.46 | $ 1.06 | $ 46,588.29 |
| 816 | | | #8 CU THHN/THWN | LF | 15086 | 10% | 16595 | 0.009 | $ 75.00 | $ 0.68 | $ 0.67 | $ 1.35 | $ 22,352.93 |
| | | | **DEVICE** | | | | | | | | | | |
| 817 | | | 2P/15A Equipment Connection | EA | 22 | 0% | 22 | 0.42 | $ 75.00 | $ 31.50 | $ - | $ 31.50 | $ 693.00 |
| 818 | | | 2P/15A Motor Rated Switch | EA | 8 | 0% | 8 | 0.35 | $ 75.00 | $ 26.25 | $ 54.60 | $ 80.85 | $ 646.80 |
| 819 | | | 2P/20A Motor Rated Switch | EA | 3 | 0% | 3 | 0.40 | $ 75.00 | $ 30.00 | $ 57.90 | $ 87.90 | $ 263.70 |
| 820 | | | 3P/15A Equipment Connection | EA | 16 | 0% | 16 | 0.50 | $ 75.00 | $ 37.50 | $ - | $ 37.50 | $ 600.00 |
| 821 | | | 3P/25A Equipment Connection | EA | 1 | 0% | 1 | 0.55 | $ 75.00 | $ 41.25 | $ - | $ 41.25 | $ 41.25 |
| 822 | | | 3P/30A Simplex Receptacle, NEMA L15-30R | EA | 10 | 0% | 10 | 0.60 | $ 75.00 | $ 45.00 | $ 90.60 | $ 135.60 | $ 1,356.00 |
| 823 | | | 15A Motor Rated Switch | EA | 5 | 0% | 5 | 0.35 | $ 75.00 | $ 26.25 | $ 50.70 | $ 76.95 | $ 384.75 |
| 824 | | | 20A Equipment Connection | EA | 1 | 0% | 1 | 0.42 | $ 75.00 | $ 31.50 | $ - | $ 31.50 | $ 31.50 |
| 825 | | | 20A Motor Connection | EA | 3 | 0% | 3 | 0.30 | $ 75.00 | $ 22.50 | $ - | $ 22.50 | $ 67.50 |
| 826 | | | 20A Motor Rated Switch | EA | 2 | 0% | 2 | 0.45 | $ 75.00 | $ 33.75 | $ 60.30 | $ 94.05 | $ 188.10 |
| 827 | | | 30A Motor Connection | EA | 1 | 0% | 1 | 0.50 | $ 75.00 | $ 37.50 | $ - | $ 37.50 | $ 37.50 |
| 828 | | | Duplex Receptacle, 125V, 2P, 3W | EA | 88 | 0% | 88 | 0.30 | $ 75.00 | $ 22.50 | $ 15.30 | $ 37.80 | $ 3,326.40 |
| 829 | | | Duplex Receptacle, 125V, 2P, 3W, GFCI | EA | 28 | 0% | 28 | 0.30 | $ 75.00 | $ 22.50 | $ 30.60 | $ 53.10 | $ 1,486.80 |
| 830 | | | Duplex Receptacle, 125V, 2P, 3W, GFCI, Mounted Above Counter | EA | 2 | 0% | 2 | 0.35 | $ 75.00 | $ 26.25 | $ 36.30 | $ 62.55 | $ 125.10 |
| 831 | | | Duplex Receptacle, 125V, 2P, 3W, WP, GFCI | EA | 19 | 0% | 19 | 0.30 | $ 75.00 | $ 22.50 | $ 40.20 | $ 62.70 | $ 1,191.30 |
| 832 | | | Half Switched Duplex Receptacle, 125V, 2P, 3W | EA | 15 | 0% | 15 | 0.35 | $ 75.00 | $ 26.25 | $ 21.90 | $ 48.15 | $ 722.25 |
| 833 | | | Multi Service Floor Box, LEGRAND CONNECTRAC Or Approved Equal | EA | 5 | 0% | 5 | 2.50 | $ 75.00 | $ 187.50 | $ 450.90 | $ 638.40 | $ 3,192.00 |
| | | | **LIGHTING** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |
| 834 | | | 3/4" EMT Conduit | LF | 6459 | 10% | 7105 | 0.06 | $ 75.00 | $ 4.65 | $ 2.44 | $ 7.09 | $ 50,345.32 |
| 835 | | | 1" EMT Conduit | LF | 1382 | 10% | 1520 | 0.07 | $ 75.00 | $ 5.25 | $ 4.15 | $ 9.40 | $ 14,292.92 |
| | | | **CONDUCTOR** | | | | | | | | $ - | | |
| 836 | | | #12 CU THHN/THWN | LF | 3780 | 10% | 4158 | 0.007 | $ 75.00 | $ 0.53 | $ 0.30 | $ 0.83 | $ 3,430.35 |
| 837 | | | #10 CU THHN/THWN | LF | 15596 | 10% | 17155 | 0.008 | $ 75.00 | $ 0.60 | $ 0.46 | $ 1.06 | $ 18,115.73 |
| 838 | | | #8 CU THHN/THWN | LF | 4146 | 10% | 4561 | 0.009 | $ 75.00 | $ 0.68 | $ 0.67 | $ 1.35 | $ 6,143.13 |
| | | | **LIGHTING FIXTURES** | | | | | | | | $ - | | |
| 839 | | | B1: 6" Recessed Downlight, 90 CRI, Wide Beam Distribution, SIGNIFY (PHILIP | EA | 15 | 0% | 15 | 0.65 | $ 75.00 | $ 48.75 | $ 78.60 | $ 127.35 | $ 1,910.25 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 840 | | | B1 EM: 6" Recessed Downlight With Emergency Battery Backup, 90 CRI, Wide E | EA | 6 | 0% | 6 | 0.70 | $ 75.00 | $ 52.50 | $ 144.90 | $ 197.40 | $ 1,184.40 |
| 841 | | | B2: 6" Recessed Downlight, 90 CRI, Wide Beam Distribution, SIGNIFY (PHILIP | EA | 3 | 0% | 3 | 0.65 | $ 75.00 | $ 48.75 | $ 102.30 | $ 151.05 | $ 453.15 |
| 842 | | | B2 EM: 6" Recessed Downlight With Emergency Battery Backup, 90 CRI, Wide E | EA | 3 | 0% | 3 | 0.70 | $ 75.00 | $ 52.50 | $ 168.60 | $ 221.10 | $ 663.30 |
| 843 | | | C: 6" Recessed Downlight, Air Seal Frame, 90 CRI, Wide Beam Distribution, SIG | EA | 1 | 0% | 1 | 0.65 | $ 75.00 | $ 48.75 | $ 84.30 | $ 133.05 | $ 133.05 |
| 844 | | | D1: LED Lensed Troffer, Nominal 2-0" Long X 2-0" Wide X 3" Deep, SIGNIFY ( | EA | 45 | 0% | 45 | 0.80 | $ 75.00 | $ 60.00 | $ 132.60 | $ 192.60 | $ 8,667.00 |
| 845 | | | D1 EM: LED Lensed Troffer With Emergency Battery Backup, Nominal 2-0" Lon | EA | 7 | 0% | 7 | 0.85 | $ 75.00 | $ 63.75 | $ 198.90 | $ 262.65 | $ 1,838.55 |
| 846 | | | D2: LED Lensed Troffer, Nominal 2-0" Long X 2-0" Wide X 3" Deep, SIGNIFY ( | EA | 7 | 0% | 7 | 0.80 | $ 75.00 | $ 60.00 | $ 150.30 | $ 210.30 | $ 1,472.10 |
| 847 | | | D2 EM: LED Lensed Troffer With Emergency Battery Backup, Nominal 2-0" Lon | EA | 3 | 0% | 3 | 0.85 | $ 75.00 | $ 63.75 | $ 222.60 | $ 286.35 | $ 859.05 |
| 848 | | | F1: Industrial Linear LED, Nominal 4-0" Long X 4" Wide X 3" Deep, Wire guard | EA | 30 | 0% | 30 | 0.90 | $ 75.00 | $ 67.50 | $ 252.60 | $ 320.10 | $ 9,603.00 |
| 849 | | | F2: industrial Linear LED, Nominal 4'-0" Long X 4" Wide X 3" Deep, Wire guard | EA | 21 | 0% | 21 | 1.05 | $ 75.00 | $ 78.75 | $ 294.90 | $ 373.65 | $ 7,846.65 |
| 850 | | | F2 EM: industrial Linear LED With Emergency Battery Backup, Nominal 4'-0" Lo | EA | 17 | 0% | 17 | 1.20 | $ 75.00 | $ 90.00 | $ 378.60 | $ 468.60 | $ 7,966.20 |
| 851 | | | H1: Industrial High bay LED, Nominal 2-0" Long X 2-0" Wide X 3" Deep, Pendar | EA | 115 | 0% | 115 | 1.30 | $ 75.00 | $ 97.50 | $ 372.30 | $ 469.80 | $ 54,027.00 |
| 852 | | | H2: Industrial High bay LED, Nominal 2-0" Long X 2-0" Wide X 3" Deep, Pendar | EA | 4 | 0% | 4 | 1.50 | $ 75.00 | $ 112.50 | $ 492.60 | $ 605.10 | $ 2,420.40 |
| 853 | | | W: Exterior Wall Mounted Led, Nominal 1-7" Lx 1'-3" W X 6.5" D Automatic Pro | EA | 21 | 0% | 21 | 2.00 | $ 75.00 | $ 150.00 | $ 696.90 | $ 846.90 | $ 17,784.90 |
| 854 | | | X1: LED Exit Sign, Satin Aluminum Finish, Red Letters, Clear Background, SIGN | EA | 8 | 0% | 8 | 0.50 | $ 75.00 | $ 37.50 | $ 102.30 | $ 139.80 | $ 1,118.40 |
| 855 | | | X1: LED Exit Sign, Satin Aluminum Finish, Red Letters, Clear Background, SIGN | EA | 18 | 0% | 18 | 0.50 | $ 75.00 | $ 37.50 | $ 102.30 | $ 139.80 | $ 2,516.40 |
| | | | **LIGHTING CONTROL** | | | | | | | | | | |
| 856 | | | 3-Way Switch | EA | 2 | 0% | 2 | 0.25 | $ 75.00 | $ 18.75 | $ 12.75 | $ 31.50 | $ 63.00 |
| 857 | | | Low Voltage Switch With Dimming Control | EA | 6 | 0% | 6 | 0.40 | $ 75.00 | $ 30.00 | $ 45.50 | $ 75.50 | $ 453.00 |
| 858 | | | LRP: Lighting Relay Panel With (8) Relays | EA | 1 | 0% | 1 | 2.00 | $ 75.00 | $ 150.00 | $ 320.25 | $ 470.25 | $ 470.25 |
| 859 | | | Photosensor | EA | 1 | 0% | 1 | 0.50 | $ 75.00 | $ 37.50 | $ 78.50 | $ 116.00 | $ 116.00 |
| 860 | | | S3: Ceiling Type Sensor, 360Â° Coverage, Dual Tech PIR/U Sensing | EA | 23 | 0% | 23 | 0.60 | $ 75.00 | $ 45.00 | $ 115.75 | $ 160.75 | $ 3,697.25 |
| 861 | | | Single Pole Switch | EA | 15 | 0% | 15 | 0.20 | $ 75.00 | $ 15.00 | $ 8.25 | $ 23.25 | $ 348.75 |
| 862 | | | Single Pole Switch With Manual Off Override | EA | 7 | 0% | 7 | 0.25 | $ 75.00 | $ 18.75 | $ 14.50 | $ 33.25 | $ 232.75 |
| 863 | | | Switch With 20A DPDT Power Control Relay | EA | 3 | 0% | 3 | 0.50 | $ 75.00 | $ 37.50 | $ 95.75 | $ 133.25 | $ 399.75 |
| 864 | | | Time Clock | EA | 1 | 0% | 1 | 0.82 | $ 75.00 | $ 61.50 | $ 85.25 | $ 146.75 | $ 146.75 |
| 865 | | | INV-DC-2: 5KW Emergency Lighting Inverter System | EA | 1 | 0% | 1 | 3.50 | $ 75.00 | $ 262.50 | $ 3,250.50 | $ 3,513.00 | $ 3,513.00 |
| | | | **LIGHTING PROTECTION** | | | | | | | | | | |
| 866 | | | 5/8" x 12" Gently Tapered Solid Stainless Steel Air Terminal | EA | 28 | 10% | 31 | 0.50 | $ 75.00 | $ 37.50 | $ 65.75 | $ 103.25 | $ 3,180.10 |
| 867 | | | Stainless Steel Concealed Base Assembly | EA | 28 | 10% | 31 | 0.30 | $ 75.00 | $ 22.50 | $ 42.50 | $ 65.00 | $ 2,002.00 |
| 868 | | | Stainless Steel Swivel Adapter | EA | 28 | 10% | 31 | 0.25 | $ 75.00 | $ 18.75 | $ 28.25 | $ 47.00 | $ 1,447.60 |
| 869 | | | 3/4" x 10' Stainless Steel Ground Rod | EA | 28 | 10% | 31 | 0.50 | $ 75.00 | $ 37.50 | $ 58.50 | $ 96.00 | $ 2,956.80 |
| 870 | | | Stainless Steel Cable Clip With Stainless Steel Fastener | EA | 1402 | 10% | 1542 | 0.05 | $ 75.00 | $ 3.75 | $ 2.75 | $ 6.50 | $ 10,024.30 |
| 871 | | | 37 Strands Of 13 AWG Stainless Steel Lighting Conductor | LF | 4609 | 10% | 5070 | 0.08 | $ 75.00 | $ 6.00 | $ 4.25 | $ 10.25 | $ 51,968.62 |
| 872 | | | 1" PVC SCH 40 Conduit | LF | 405 | 10% | 446 | 0.05 | $ 75.00 | $ 3.75 | $ 3.50 | $ 7.25 | $ 3,229.88 |
| | | | **MISCELLANEOUS** | | | | | | | | | | |
| 873 | | | Junction Box | EA | 13 | 0% | 13 | 0.55 | $ 75.00 | $ 41.25 | $ 22.75 | $ 64.00 | $ 832.00 |
| 874 | | | Junction Box, Ceiling Mounted | EA | 25 | 0% | 25 | 0.55 | $ 75.00 | $ 41.25 | $ 22.75 | $ 64.00 | $ 1,600.00 |
| 875 | | | Tap Box | EA | 10 | 0% | 10 | 1.00 | $ 75.00 | $ 75.00 | $ 153.00 | $ 228.00 | $ 2,280.00 |
| | | | **SAW CUT** | | | | | | | | | | |
| 876 | | | Saw Cut & Repair Concrete Floor For Conduit Installation | LF | 32 | 0% | 32 | 0.15 | $ 75.00 | $ 11.25 | $ - | $ 11.25 | $ 355.95 |
| | | | | | | | | | | | | **SUBTOTAL** | **$ 6,152,639** |
| | | | **COMMUNICATION** | | | | | | | | | | |
| | | | **TELECOMMUNICATION** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |
| 877 | | | 4" EMT Conduit | LF | 560 | 10% | 616 | 0.20 | $ 75.00 | $ 15.00 | $ 19.23 | $ 34.23 | $ 21,087.56 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 878 | | | CAT6 Cable | LF | 13028 | 10% | 14330 | 0.03 | $ 75.00 | $ 1.88 | $ 0.28 | $ 2.16 | $ 30,882.02 |
| 879 | | | CAT6a Cable | LF | 9268 | 10% | 10194 | 0.03 | $ 75.00 | $ 1.88 | $ 0.28 | $ 2.16 | $ 21,969.13 |
| 880 | | | 12-Stand Multi Fiber Optic Cable | EA | 1360 | 10% | 1496 | 0.04 | $ 75.00 | $ 2.63 | $ 1.56 | $ 4.19 | $ 6,260.76 |
| 881 | | | 24-Stand Multi Fiber Optic Cable | LF | 4317 | 10% | 4749 | 0.04 | $ 75.00 | $ 3.00 | $ 2.50 | $ 5.50 | $ 26,117.61 |
| 882 | | | 48-Stand Multi Fiber Optic Cable | LF | 987 | 10% | 1086 | 0.05 | $ 75.00 | $ 3.38 | $ 4.00 | $ 7.38 | $ 8,006.88 |
| 883 | | | 96-Stand Multi Fiber Optic Cable | LF | 162 | 10% | 178 | 0.05 | $ 75.00 | $ 3.75 | $ 6.00 | $ 9.75 | $ 1,737.66 |
| 884 | | | 576-Stand Multi Fiber Optic Cable | LF | 278 | 10% | 306 | 0.07 | $ 75.00 | $ 4.88 | $ 10.25 | $ 15.13 | $ 4,623.56 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **DEVICES** | | | | | | | | | | |
| 885 | | | 1-Port Security Data Outlet | EA | 93 | 0% | 93 | 0.32 | $ 75.00 | $ 24.00 | $ 52.61 | $ 76.61 | $ 7,124.96 |
| 886 | | | 24-Port LC Fiber Connectors, Single Mode 1X (One) Corning Part #CCH-01U 2 | EA | 1 | 0% | 1 | 2.80 | $ 75.00 | $ 210.00 | $ 719.67 | $ 929.67 | $ 929.67 |
| 887 | | | 24-Port LC Fiber Connectors, Single Mode 1X (One) Corning Part #CCH-01U 4X | EA | 1 | 0% | 1 | 5.60 | $ 75.00 | $ 420.00 | $ 1,426.29 | $ 1,846.29 | $ 1,846.29 |
| 888 | | | 84"H (2130MM) x 20.31"W (515MM) x 19"D (480MM) 2-Post Rask | EA | 2 | 0% | 2 | 1.25 | $ 75.00 | $ 93.75 | $ 471.50 | $ 565.25 | $ 1,130.50 |
| 889 | | | CISCO C3850-32XS | EA | 12 | 0% | 12 | 2.00 | $ 75.00 | $ 150.00 | $ 8,970.00 | $ 9,120.00 | $ 109,440.00 |
| 890 | | | CISCO C9300-24X | EA | 4 | 0% | 4 | 2.00 | $ 75.00 | $ 150.00 | $ 7,187.50 | $ 7,337.50 | $ 29,350.00 |
| 891 | | | DELL POWEREDGE R740-XD2 (OFOI | EA | 2 | 0% | 2 | 3.50 | $ 75.00 | $ 262.50 | $ 10,925.00 | $ 11,187.50 | $ 22,375.00 |
| 892 | | | Fiber Jumper Cable | EA | 10 | 0% | 10 | 0.05 | $ 75.00 | $ 3.75 | $ 14.38 | $ 18.13 | $ 181.25 |
| 893 | | | FINISAR 10GE LR SFP FTLX1471D3BCL | EA | 4 | 0% | 4 | 0.15 | $ 75.00 | $ 11.25 | $ 483.86 | $ 495.11 | $ 1,980.45 |
| 894 | | | Middle Atlantic Products D2-UMS-28 Universal Drawer, 2RU, 28" Deep | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 402.79 | $ 459.04 | $ 459.04 |
| 895 | | | Network I/O Relay Module, AXIS A9188 | EA | 2 | 0% | 2 | 0.60 | $ 75.00 | $ 45.00 | $ 633.19 | $ 678.19 | $ 1,356.38 |
| 896 | | | Software house, AS0073-000 I8 In Put Module | EA | 2 | 0% | 2 | 0.50 | $ 75.00 | $ 37.50 | $ 552.46 | $ 589.96 | $ 1,179.92 |
| 897 | | | Telecom System, 1RU, ANGLED, 24 Data Only Panduit Part # CPPA24FMWBL | EA | 1 | 0% | 1 | 0.45 | $ 75.00 | $ 33.75 | $ 328.10 | $ 361.85 | $ 361.85 |
| 898 | | | US Critical SFP-1GE-LX-US | EA | 2 | 0% | 2 | 0.15 | $ 75.00 | $ 11.25 | $ 138.58 | $ 149.83 | $ 299.65 |
| 899 | | | Wireless Access Point, Ceiling Mounted | EA | 27 | 0% | 27 | 0.80 | $ 75.00 | $ 60.00 | $ 517.50 | $ 577.50 | $ 15,592.50 |
| 900 | | | 2-Port Data Outlet | EA | 24 | 0% | 24 | 0.28 | $ 75.00 | $ 21.00 | $ 17.79 | $ 38.79 | $ 930.97 |
| 901 | | | RG-45 Connector | EA | 48 | 0% | 48 | 0.10 | $ 75.00 | $ 7.50 | $ 1.06 | $ 8.56 | $ 410.78 |
| 902 | | | Backbox | EA | 24 | 0% | 24 | 0.20 | $ 75.00 | $ 15.00 | $ 8.95 | $ 23.95 | $ 574.73 |
| 903 | | | Face Plate | EA | 24 | 0% | 24 | 0.16 | $ 75.00 | $ 12.00 | $ 8.91 | $ 20.91 | $ 501.90 |
| 904 | | | 4-Port Data Outlet | EA | 5 | 0% | 5 | 0.35 | $ 75.00 | $ 26.25 | $ 24.56 | $ 50.81 | $ 254.07 |
| 905 | | | RG-45 Connector | EA | 20 | 0% | 20 | 0.10 | $ 75.00 | $ 7.50 | $ 1.06 | $ 8.56 | $ 171.16 |
| 906 | | | Backbox | EA | 5 | 0% | 5 | 0.20 | $ 75.00 | $ 15.00 | $ 8.95 | $ 23.95 | $ 119.74 |
| 907 | | | Face Plate | EA | 5 | 0% | 5 | 0.16 | $ 75.00 | $ 12.00 | $ 8.63 | $ 20.63 | $ 103.13 |
| | | | **SECURITY** | | | | | | | | | | |
| | | | **CABLE TRAY** | | | | | | | | | | |
| 908 | | | Cable Tray: 24" x2" Telecom Ladder | LF | 1163 | 0% | 1163 | 0.35 | $ 75.00 | $ 26.25 | $ 25.00 | $ 51.25 | $ 59,617.59 |
| | | | **CONDUIT** | | | | | | | | | | |
| 909 | | | 1/2" Conduit | LF | 600 | 10% | 659 | 0.05 | $ 75.00 | $ 3.53 | $ 1.39 | $ 4.92 | $ 3,241.41 |
| 910 | | | 3/4" EMT Conduit | LF | 590 | 10% | 649 | 0.06 | $ 75.00 | $ 4.65 | $ 2.03 | $ 6.68 | $ 4,338.26 |
| 911 | | | 1" EMT Conduit | LF | 9664 | 10% | 10631 | 0.07 | $ 75.00 | $ 5.25 | $ 3.48 | $ 8.73 | $ 92,804.93 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 912 | SC-831, SC-834, SC-201A, SC-201B, SC210C, SC-202, SC-800, SC-801, SC-803, SC-804, SC-840, T-200, T-210, T-511, T-512, T-515 & T-801 | | CAT 6 Cable | LF | 3876 | 10% | 4264 | 0.03 | $ 75.00 | $ 1.88 | $ 0.35 | $ 2.23 | $ 9,486.83 |
| 913 | | | 4#22 Unshielded Twisted Pair Cable | LF | 180 | 10% | 198 | 0.03 | $ 75.00 | $ 1.88 | $ 1.13 | $ 3.01 | $ 594.99 |
| 914 | | | 2#14 Unshielded, 19 Stand Plenum Rated Cable, BELDEN 6100UE | LF | 9900 | 10% | 10890 | 0.03 | $ 75.00 | $ 1.88 | $ 1.32 | $ 3.20 | $ 34,792.00 |
| 915 | | | 2-Pair #22, 7 Strand, RS-485 Plenum Rated Cable, THAN 16PF | LF | 2656 | 10% | 2921 | 0.01 | $ 75.00 | $ 0.90 | $ 0.34 | $ 1.24 | $ 3,622.27 |
| 916 | | | 4#22 Unshielded Twisted Pair Plenum Rated Cable, BELDEN 6500UE | LF | 866 | 10% | 953 | 0.01 | $ 75.00 | $ 0.90 | $ 0.28 | $ 1.18 | $ 1,124.07 |
| 917 | | | 2#18 Unshielded, 7 Stand Plenum Rated Cable, BELDEN 6300UE | LF | 852 | 10% | 937 | 0.01 | $ 75.00 | $ 0.90 | $ 0.34 | $ 1.24 | $ 1,162.13 |
| 918 | | | 3-Pair #20 Shielded, 7 Stand, Plenum Cable | LF | 308 | 10% | 339 | 0.01 | $ 75.00 | $ 0.90 | $ 0.34 | $ 1.24 | $ 420.11 |
| 919 | | | 4#23 Unshielded, Solid, Plenum Rated Cable | LF | 17258 | 10% | 18984 | 0.01 | $ 75.00 | $ 0.90 | $ 0.29 | $ 1.19 | $ 22,590.89 |
| 920 | | | 2#18 Unshielded Twisted Pair Cable | LF | 1859 | 10% | 2045 | 0.01 | $ 75.00 | $ 0.90 | $ 0.34 | $ 1.24 | $ 2,535.79 |
| | | | **DEVICES** | | | | | | | | | | |
| 921 | | | 120V Access Control Panel | EA | 12 | 0% | 12 | 3.25 | $ 75.00 | $ 243.75 | $ 1,375.83 | $ 1,619.58 | $ 19,434.90 |
| 922 | | | 180 Deg Dome Camera, P-3247-LV 5MP, Ceiling Mounted | EA | 89 | 0% | 89 | 1.25 | $ 75.00 | $ 93.75 | $ 547.59 | $ 641.34 | $ 57,079.35 |
| 923 | | | 180 Deg Dome Camera, P-3247-LV 5MP, Interior Wall Mounted | EA | 4 | 0% | 4 | 1.25 | $ 75.00 | $ 93.75 | $ 547.59 | $ 641.34 | $ 2,565.36 |
| 924 | | | 180 Deg Dome Camera, Q3819-PVE With T91G61, Exterior Wall Mounted | EA | 10 | 0% | 10 | 1.75 | $ 75.00 | $ 131.25 | $ 2,605.89 | $ 2,737.14 | $ 27,371.39 |
| 925 | | | 90 Deg Bend Junction Box | EA | 2 | 0% | 2 | 0.30 | $ 75.00 | $ 22.50 | $ 38.78 | $ 61.28 | $ 122.55 |
| 926 | | | BMS: Building Management System, 1RU Or 2RU #CPPA24FMWBLY Or CP | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,485.66 | $ 1,673.16 | $ 1,673.16 |
| 927 | | | Card Reader | EA | 25 | 0% | 25 | 0.50 | $ 75.00 | $ 37.50 | $ 165.28 | $ 202.78 | $ 5,069.38 |
| 928 | | | Door Contact Switch | EA | 79 | 0% | 79 | 0.20 | $ 75.00 | $ 15.00 | $ 50.33 | $ 65.33 | $ 5,160.68 |
| 929 | | | Door Control | EA | 5 | 0% | 5 | 0.60 | $ 75.00 | $ 45.00 | $ 418.44 | $ 463.44 | $ 2,317.20 |
| 930 | | | Exterior Security Camera | EA | 28 | 0% | 28 | 1.50 | $ 75.00 | $ 112.50 | $ 742.50 | $ 855.00 | $ 23,940.00 |
| 931 | | | Glass Break Sensor | EA | 11 | 0% | 11 | 0.25 | $ 75.00 | $ 18.75 | $ 105.05 | $ 123.80 | $ 1,361.80 |
| 932 | | | Infrared Beam Break Detector | EA | 2 | 0% | 2 | 0.40 | $ 75.00 | $ 30.00 | $ 132.83 | $ 162.83 | $ 325.65 |
| 933 | | | Local Audible/Visual Alarm | EA | 17 | 0% | 17 | 0.30 | $ 75.00 | $ 22.50 | $ 82.78 | $ 105.28 | $ 1,789.68 |
| 934 | | | Motion Detector | EA | 38 | 0% | 38 | 0.35 | $ 75.00 | $ 26.25 | $ 121.44 | $ 147.69 | $ 5,612.22 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 935 | | | Pin Pad With Integrated Card Reader | EA | 37 | 0% | 37 | 0.50 | $ 75.00 | $ 37.50 | $ 237.05 | $ 274.55 | $ 10,158.35 |
| 936 | | | Power Transfer Knuckle | EA | 38 | 0% | 38 | 0.25 | $ 75.00 | $ 18.75 | $ 93.94 | $ 112.69 | $ 4,282.22 |
| 937 | | | Push Button Panic Alarm Button | EA | 1 | 0% | 1 | 0.25 | $ 75.00 | $ 18.75 | $ 61.33 | $ 80.08 | $ 80.08 |
| 938 | | | Reader Interface Module | EA | 26 | 0% | 26 | 0.50 | $ 75.00 | $ 37.50 | $ 198.66 | $ 236.16 | $ 6,140.16 |
| 939 | | | SW1: Magnetic Door Switch | EA | 23 | 0% | 23 | 0.20 | $ 75.00 | $ 15.00 | $ 44.28 | $ 59.28 | $ 1,363.33 |
| 940 | | | UP/Stop/Down Control, By Others | EA | 5 | 0% | 5 | 0.60 | $ 75.00 | $ 45.00 | $ - | $ 45.00 | $ 225.00 |
| 941 | | | MMR: Surge Protection Device | EA | 1 | 0% | 1 | 0.50 | $ 75.00 | $ 37.50 | $ 242.88 | $ 280.38 | $ 280.38 |
| 942 | | | PMS: Power Management System, 1RU Or 2RU, 1RU PANDUIT Part #CPP | EA | 1 | 0% | 1 | 2.25 | $ 75.00 | $ 168.75 | $ 1,210.55 | $ 1,379.30 | $ 1,379.30 |
| 943 | | | 24-Port Ethernet Patch Panel | EA | 1 | 0% | 1 | 0.75 | $ 75.00 | $ 56.25 | $ 165.83 | $ 222.08 | $ 222.08 |
| 944 | | | Life Safety Drawer 8-Port Ultra ACM & 12V DC Power Supply | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 462.44 | $ 556.19 | $ 556.19 |
| 945 | | | 48-Port POE Camera Switch | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,375.28 | $ 1,562.78 | $ 1,562.78 |
| 946 | | | Corpent Switch | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,485.66 | $ 1,673.16 | $ 1,673.16 |
| | | | **LOW VOLTAGE** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |
| 947 | | | 3" Flexible Conduit With Pull string | EA | 185 | 10% | 204 | 0.16 | $ 75.00 | $ 12.00 | $ 13.56 | $ 25.56 | $ 5,211.30 |
| 948 | | | 3" RGS Conduit With Pull string | EA | 191 | 10% | 210 | 0.15 | $ 75.00 | $ 10.88 | $ 12.49 | $ 23.37 | $ 4,908.73 |
| | | | **DEVICES** | | | | | | | | | | |
| 949 | | | Pole Mounted Antenna | EA | 3 | 0% | 3 | 3.50 | $ 75.00 | $ 262.50 | $ 1,150.75 | $ 1,413.25 | $ 4,239.75 |
| 950 | | | Horizontal P1000 Unistrut | EA | 3 | 0% | 3 | 0.75 | $ 75.00 | $ 56.25 | $ 170.50 | $ 226.75 | $ 680.25 |
| | | | **MISCELLANEOUS** | | | | | | | | | | |
| 951 | | **For Antena** | 300mm (H) x 300mm (W) x 200mm (D) Pull box With Tamper Proof Screws And | EA | 3 | 0% | 3 | 1.75 | $ 75.00 | $ 131.25 | $ 185.25 | $ 316.50 | $ 949.50 |
| 952 | | | 90 Deg Bend Junction Box | EA | 2 | 0% | 2 | 0.50 | $ 75.00 | $ 37.50 | $ 45.50 | $ 83.00 | $ 166.00 |
| 953 | | | 12"x12"x4" Junction Box, NEMA-1 | EA | 69 | 0% | 69 | 0.65 | $ 75.00 | $ 48.75 | $ 78.40 | $ 127.15 | $ 8,773.35 |
| 954 | | | 2-1/2" x8" Flat Style Hand Hole Box | EA | 1 | 0% | 1 | 0.90 | $ 75.00 | $ 67.50 | $ 92.75 | $ 160.25 | $ 160.25 |
| 955 | | | 27"x 22"x13" Perimeter Enclosure | EA | 1 | 0% | 1 | 2.25 | $ 75.00 | $ 168.75 | $ 320.10 | $ 488.85 | $ 488.85 |
| 956 | | | 4" Octagon Box | EA | 18 | 0% | 18 | 0.25 | $ 75.00 | $ 18.75 | $ 12.35 | $ 31.10 | $ 559.80 |
| 957 | | | 4-11/16" Square, 2-1/8" Deep Box Single Plaster Ring | EA | 30 | 0% | 30 | 0.20 | $ 75.00 | $ 15.00 | $ 6.80 | $ 21.80 | $ 654.00 |
| | | | | | | | | | | | | **SUBTOTAL** | **$ 762,228** |
| | | | **ELECTRONIC SAFETY AND SECURITY** | | | | | | | | | | |
| | | | **FIRE ALARM** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |
| 958 | | | 1" EMT Conduit Up to Ceiling | LF | 2268 | 10% | 2495 | 0.07 | $ 75.00 | $ 5.25 | $ 3.48 | $ 8.73 | $ 21,779.60 |
| 959 | | | 3/4" EMT Conduit | LF | 3710 | 10% | 4081 | 0.06 | $ 75.00 | $ 4.65 | $ 2.03 | $ 6.68 | $ 27,261.81 |
| 960 | | | 3/4" Flexible Conduit | LF | 567 | 10% | 624 | 0.06 | $ 75.00 | $ 4.65 | $ 1.96 | $ 6.61 | $ 4,122.66 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 961 | | | 2#16 Fire Rated Cable | LF | 1685 | 10% | 1853 | 0.01 | $ 75.00 | $ 0.38 | $ 0.29 | $ 0.67 | $ 1,232.32 |
| 962 | | | 2#14 Fire Rated Cable | LF | 2025 | 10% | 2228 | 0.01 | $ 75.00 | $ 0.53 | $ 0.32 | $ 0.85 | $ 1,882.66 |
| | | | **DEVICES** | | | | | | | | | | |
| 963 | | | Exterior Horn And Strobe, WP | EA | 10 | 0% | 10 | 1.50 | $ 75.00 | $ 112.50 | $ 145.75 | $ 258.25 | $ 2,582.50 |
| 964 | | | Fire Alarm System Power Supply unit | EA | 2 | 0% | 2 | 2.25 | $ 75.00 | $ 168.75 | $ 580.40 | $ 749.15 | $ 1,498.30 |
| 965 | | | Fire Alarm Aspiration System Smoke Detector panel | EA | 4 | 0% | 4 | 4.50 | $ 75.00 | $ 337.50 | $ 1,200.95 | $ 1,538.45 | $ 6,153.80 |
| 966 | | | Fire Alarm Exterior Bell | EA | 1 | 0% | 1 | 1.25 | $ 75.00 | $ 93.75 | $ 120.35 | $ 214.10 | $ 214.10 |
| 967 | **FA-101** | | Fire Alarm Heat Detector | EA | 1 | 0% | 1 | 0.50 | $ 75.00 | $ 37.50 | $ 65.20 | $ 102.70 | $ 102.70 |
| 968 | | | Fire Alarm Horn And Strobe Unit, 15CD | EA | 23 | 0% | 23 | 0.50 | $ 75.00 | $ 37.50 | $ 96.27 | $ 133.77 | $ 3,076.71 |
| 969 | | | Fire Alarm Horn And Strobe Unit, 30CD | EA | 9 | 0% | 9 | 0.52 | $ 75.00 | $ 39.00 | $ 127.04 | $ 166.04 | $ 1,494.36 |
| 970 | | | Fire Alarm Horn And Strobe Unit, 75CD | EA | 14 | 0% | 14 | 0.52 | $ 75.00 | $ 39.00 | $ 150.49 | $ 189.49 | $ 2,652.86 |
| 971 | | | Fire Alarm Horn And Strobe Unit, 110CD | EA | 4 | 0% | 4 | 0.58 | $ 75.00 | $ 43.50 | $ 199.00 | $ 242.50 | $ 970.00 |
| 972 | | | Fire Alarm In Duct System | EA | 2 | 0% | 2 | 1.90 | $ 75.00 | $ 142.50 | $ 310.15 | $ 452.65 | $ 905.30 |
| 973 | | | Fire Alarm Interface Box | EA | 19 | 0% | 19 | 1.20 | $ 75.00 | $ 90.00 | $ 220.45 | $ 310.45 | $ 5,898.55 |
| 974 | | | Fire Alarm Manual Pull Station | EA | 17 | 0% | 17 | 0.50 | $ 75.00 | $ 37.50 | $ 75.25 | $ 112.75 | $ 1,916.75 |
| 975 | | | Fire Alarm Master Panel | EA | 1 | 0% | 1 | 6.50 | $ 75.00 | $ 487.50 | $ 2,500.00 | $ 2,987.50 | $ 2,987.50 |
| 976 | | | Fire Alarm Optical Smoke Detector | EA | 42 | 0% | 42 | 0.60 | $ 75.00 | $ 45.00 | $ 95.10 | $ 140.10 | $ 5,884.20 |
| 977 | | | Fire Alarm Panel | EA | 1 | 0% | 1 | 5.50 | $ 75.00 | $ 412.50 | $ 1,950.35 | $ 2,362.85 | $ 2,362.85 |
| 978 | | | Fire Alarm Repeater Panel | EA | 1 | 0% | 1 | 2.00 | $ 75.00 | $ 150.00 | $ 620.40 | $ 770.40 | $ 770.40 |
| 979 | | | Four Monitored Contact Inputs For Confirming Technical Statuses Or Activating A | EA | 13 | 0% | 13 | 1.80 | $ 75.00 | $ 135.00 | $ 410.20 | $ 545.20 | $ 7,087.60 |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 980 | | | One Monitored Contact Input For Confirming Technical Status Or Activating An A | EA | 25 | 0% | 25 | 0.60 | $ 75.00 | $ 45.00 | $ 125.75 | $ 170.75 | $ 4,268.75 |
| | | | | | | | | | | | | SUBTOTAL | $ 107,106 |
| | | | **UTILITIES** | | | | | | | | | | |
| | | | **FIRE PROTECTION PIPE** | | | | | | | | | | |
| | | | **PVC C-900 Pipe** | | | | | | | | | | |
| 981 | | | 4" Dia Fire Protection Pipe | LF | 653 | 10% | 718 | 0.30 | $ 75.00 | $ 22.50 | $ 29.90 | $ 52.40 | $ 37,641.31 |
| 982 | | | 8" Dia Fire Protection Pipe | LF | 1286 | 10% | 1415 | 0.63 | $ 75.00 | $ 46.88 | $ 65.00 | $ 111.88 | $ 158,258.38 |
| | | | **FIRE PROTECTION PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 983 | | | 4" Dia Fire Protection Pipe 45 Deg Elbow | EA | 14 | 0% | 14 | 0.88 | $ 75.00 | $ 66.00 | $ 70.10 | $ 136.10 | $ 1,905.40 |
| 984 | | | 8" Dia Fire Protection Pipe 45 Deg Elbow | EA | 16 | 0% | 16 | 0.90 | $ 75.00 | $ 67.50 | $ 75.60 | $ 143.10 | $ 2,289.60 |
| | | | **TEE** | | | | | | | | | | |
| 985 | | | 8" Dia Fire Protection Pipe Tee | EA | 5 | 0% | 5 | 1.13 | $ 75.00 | $ 84.38 | $ 111.40 | $ 195.77 | $ 978.86 |
| | | | **FIRE HYDRANT** | | | | | | | | | | |
| 986 | | | FH-1: Fire Hydrant | EA | 1 | 0% | 1 | 10.00 | $ 75.00 | $ 750.00 | $ 1,492.00 | $ 2,242.00 | $ 2,242.00 |
| 987 | | Schedule Not Given | FH-2: Fire Hydrant | EA | 1 | 0% | 1 | 10.00 | $ 75.00 | $ 750.00 | $ 1,492.00 | $ 2,242.00 | $ 2,242.00 |
| 988 | | | FH-3: Fire Hydrant | EA | 1 | 0% | 1 | 10.00 | $ 75.00 | $ 750.00 | $ 1,492.00 | $ 2,242.00 | $ 2,242.00 |
| 989 | | | FH-4: Fire Hydrant | EA | 1 | 0% | 1 | 10.00 | $ 75.00 | $ 750.00 | $ 1,492.00 | $ 2,242.00 | $ 2,242.00 |
| | | | **DOMESTIC WATER PIPE** | | | | | | | | | | |
| | | | **SCH 40 PVC Pipe W/ Fittings** | | | | | | | | | | |
| 990 | | | 2-1/2" Dia Domestic Water Pipe | LF | 96 | 10% | 105 | 0.215 | $ 75.00 | $ 16.09 | $ 11.90 | $ 27.99 | $ 2,942.24 |
| | | | **DOMESTIC WATER PIPE FITTINGS** | | | | | | | | | | |
| | | | **ELBOW** | | | | | | | | | | |
| 991 | | | 2-1/2" Dia Domestic Water Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | 0.419 | $ 75.00 | $ 31.44 | $ 8.00 | $ 39.44 | $ 78.89 |
| 992 | | | 2-1/2" Dia Domestic Water Pipe 22-1/2 Deg Elbow | EA | 1 | 0% | 1 | 0.419 | $ 75.00 | $ 31.44 | $ 11.25 | $ 42.69 | $ 42.69 |
| 993 | | | 2-1/2" Dia Domestic Water Pipe 45 Deg Elbow | EA | 2 | 0% | 2 | 0.419 | $ 75.00 | $ 31.44 | $ 8.00 | $ 39.44 | $ 78.89 |
| | | | **SANITARY PIPE** | | | | | | | | | | |
| | | | **SDR PIPE** | | | | | | | | | | |
| 994 | | | 4" Dia Sanitary Pipe | LF | 306 | 10% | 337 | 0.250 | $ 75.00 | $ 18.73 | $ 21.50 | $ 40.23 | $ 13,540.51 |
| | | | **TANK OVERFLOW PIPE** | | | | | | | | | | |
| | | | **HDPE Pipe** | | | | | | | | | | |
| 995 | | | 12" Dia Tank Overflow Pipe | LF | 110 | 10% | 121 | 0.104 | $ 75.00 | $ 7.80 | $ 22.22 | $ 30.02 | $ 3,641.67 |
| | | | **STORM WATER PIPE** | | | | | | | | | | |
| | | | **HDPE Pipe** | | | | | | | | | | |
| 996 | | | 15" Dia Storm Water Pipe | LF | 888 | 10% | 977 | 0.126 | $ 75.00 | $ 9.45 | $ 26.90 | $ 36.35 | $ 35,521.87 |
| 997 | | | 18" Dia Storm Water Pipe | LF | 270 | 10% | 297 | 0.141 | $ 75.00 | $ 10.58 | $ 30.10 | $ 40.68 | $ 12,083.61 |
| 998 | | | 24" Dia Storm Water Pipe | LF | 49 | 10% | 54 | 0.158 | $ 75.00 | $ 11.85 | $ 44.99 | $ 56.84 | $ 3,064.30 |
| | | | **DISTRIBUTION** | | | | | | | | | | |
| | | | **DUCT BANK** | | | | | | | | | | |
| 999 | | | 2-Way 4" PVC SCH 40 Conduit Concrete Encased Duct Bank | LF | 136 | 10% | 150 | 0.250 | $ 75.00 | $ 18.73 | $ 24.55 | $ 43.28 | $ 6,476.30 |
| | | | **CONDUIT** | | | | | | | | | | |
| 1000 | | | 1-1/2" EMT Conduit | LF | 15 | 10% | 16 | 0.09 | $ 75.00 | $ 6.68 | $ 7.04 | $ 13.72 | $ 223.88 |
| 1001 | | | 1-1/2" PVC SCH 40 Conduit | LF | 133 | 10% | 146 | 0.167 | $ 75.00 | $ 12.49 | $ 8.20 | $ 20.69 | $ 3,019.30 |
| 1002 | | | 4" PVC SCH 40 Conduit | LF | 460 | 10% | 507 | 0.250 | $ 75.00 | $ 18.73 | $ 21.50 | $ 40.23 | $ 20,378.25 |
| 1003 | | | 4" PVC SCH 40 Conduit With Pull String | LF | 460 | 10% | 507 | 0.250 | $ 75.00 | $ 18.73 | $ 21.52 | $ 40.25 | $ 20,388.39 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 1004 | | | #6 CU THHN/THWN | LF | 148 | 10% | 162 | 0.010 | $ 75.00 | $ 0.75 | $ 0.86 | $ 1.61 | $ 261.26 |
| 1005 | | | #4 (600V) CU THHN/THWN | LF | 324 | 10% | 357 | 0.011 | $ 75.00 | $ 0.83 | $ 1.32 | $ 2.15 | $ 765.61 |
| 1006 | | | #2 (600V) CU THHN/THWN | LF | 579 | 10% | 637 | 0.013 | $ 75.00 | $ 0.98 | $ 2.07 | $ 3.05 | $ 1,939.36 |
| 1007 | | | #1 (25kV) CU THHN/THWN | LF | 1381 | 10% | 1520 | 0.014 | $ 75.00 | $ 1.05 | $ 2.26 | $ 3.31 | $ 5,029.82 |
| | | | **DEVICES** | | | | | | | | | | |
| 1008 | | | ChargePoint CT-4000 Charging Station | EA | 1 | 0% | 1 | 8.00 | $ 75.00 | $ 600.00 | $ 7,999.00 | $ 8,599.00 | $ 8,599.00 |
| | | | **POWER** | | | | | | | | | | |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CONDUIT** | | | | | | | | | | |
| 1009 | | | 3/4" EMT Conduit | LF | 1927 | 10% | 2120 | 0.06 | $ 75.00 | $ 4.65 | $ 2.03 | $ 6.68 | $ 14,160.48 |
| 1010 | | | 3/4" PVC SCH 40 Conduit | LF | 741 | 10% | 815 | 0.06 | $ 75.00 | $ 4.13 | $ 2.18 | $ 6.31 | $ 5,136.85 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 1011 | | | #12 CU THHN/THWN | LF | 88 | 10% | 97 | 0.007 | $ 75.00 | $ 0.53 | $ 0.25 | $ 0.78 | $ 75.24 |
| 1012 | | | #10 CU THHN/THWN | LF | 9121 | 10% | 10033 | 0.008 | $ 75.00 | $ 0.60 | $ 0.38 | $ 0.98 | $ 9,832.77 |
| | | | **DEVICE** | | | | | | | | | | |
| 1013 | | | Duplex Receptacle, GFCI | EA | 2 | 0% | 2 | 0.30 | $ 75.00 | $ 22.50 | $ 25.50 | $ 48.00 | $ 96.00 |
| 1014 | | | Motorized Gate Connection | EA | 3 | 0% | 3 | 3.45 | $ 75.00 | $ 258.75 | $ - | $ 258.75 | $ 776.25 |
| | | | **SITE LIGHTING** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |
| 1015 | | | 3/4" EMT Conduit | LF | 1228 | 10% | 1351 | 0.06 | $ 75.00 | $ 4.65 | $ 2.03 | $ 6.68 | $ 9,021.58 |
| 1016 | | | 1" EMT Conduit | LF | 566 | 10% | 623 | 0.07 | $ 75.00 | $ 5.25 | $ 3.48 | $ 8.73 | $ 5,434.53 |
| 1017 | | | 1" PVC SCH 40 Conduit | LF | 1501 | 10% | 1651 | 0.06 | $ 75.00 | $ 4.80 | $ 3.66 | $ 8.46 | $ 13,966.54 |
| | | | **CONDUCTOR** | | | | | | | $ - | | | |
| 1018 | | | #12 CU THHN/THWN | LF | 159 | 10% | 175 | 0.007 | $ 75.00 | $ 0.53 | $ 0.25 | $ 0.78 | $ 135.96 |
| 1019 | | | #10 CU THHN/THWN | LF | 3524 | 10% | 3876 | 0.008 | $ 75.00 | $ 0.60 | $ 0.38 | $ 0.98 | $ 3,798.66 |
| 1020 | FP-100, C-201, C230 & C-241 | | #8 CU THHN/THWN | LF | 6200 | 10% | 6820 | 0.009 | $ 75.00 | $ 0.68 | $ 0.56 | $ 1.24 | $ 8,422.96 |
| | | | **LIGHTING FIXTURES** | | | | | | | | | | |
| 1021 | | | F2: industrial Linear LED, Nominal 4'-0" Long X 4" Wide X 3" Deep, Wire guard | EA | 6 | 0% | 6 | 1.85 | $ 75.00 | $ 138.75 | $ 308.83 | $ 447.58 | $ 2,685.45 |
| 1022 | | | W: Exterior Wall Mounted Led, Nominal 1-7" Lx 1'-3" W X 6.5" D Automatic Pro | EA | 16 | 0% | 16 | 3.20 | $ 75.00 | $ 240.00 | $ 1,155.44 | $ 1,395.44 | $ 22,327.04 |
| 1023 | | | S1: LED Site/Area Light, Die Cast Aluminum Housing, One Fixture Per Pole Lum | EA | 21 | 0% | 21 | 4.75 | $ 75.00 | $ 356.25 | $ 1,672.72 | $ 2,028.97 | $ 42,608.27 |
| 1024 | | | S2: LED Site/Area Light, Die Cast Aluminum Housing, Two Fixtures Per Pole Lu | EA | 2 | 0% | 2 | 7.25 | $ 75.00 | $ 543.75 | $ 3,135.33 | $ 3,679.08 | $ 7,358.16 |
| 1025 | | | S3: LED Site/Area Light, Die Cast Aluminum Housing, One Fixture Per Pole Lum | EA | 3 | 0% | 3 | 4.75 | $ 75.00 | $ 356.25 | $ 1,672.72 | $ 2,028.97 | $ 6,086.90 |
| 1026 | | | 25' Square Steel Light Pole | EA | 26 | 0% | 26 | 3.40 | $ 75.00 | $ 255.00 | $ 1,078.55 | $ 1,333.55 | $ 34,672.30 |
| 1027 | | | Concrete Footer Base For Light Pole | EA | 26 | 0% | 26 | 4.50 | $ 75.00 | $ 337.50 | $ 462.88 | $ 800.38 | $ 20,809.88 |
| 1028 | | | 3/4" x 10' CU Clad Ground Rod | EA | 26 | 0% | 26 | 0.50 | $ 75.00 | $ 37.50 | $ 53.63 | $ 91.13 | $ 2,369.25 |
| 1029 | | | #2 Bare CU Cable | LF | 520 | 0% | 520 | 0.10 | $ 75.00 | $ 7.50 | $ 13.53 | $ 21.03 | $ 10,935.60 |
| | | | **LIGHTING CONTROL** | | | | | | | | | | |
| 1030 | | | Single Pole Switch | EA | 1 | 0% | 1 | 0.25 | $ 75.00 | $ 18.75 | $ 12.50 | $ 31.25 | $ 31.25 |
| | | | **TELECOMMUNICATION** | | | | | | | | | | |
| | | | **DUCT BANK** | | | | | | | | | | |
| 1031 | | | 2 Way Duct Bank, 2" Hopoe Conduit | LF | 878 | 10% | 966 | 0.06 | $ 75.00 | $ 4.13 | $ 3.65 | $ 7.78 | $ 7,509.78 |
| | | | **CONDUIT** | | | | | | | | | | |
| 1032 | | | 1-1/2" OD Conduit | LF | 486 | 0% | 486 | 0.09 | $ 75.00 | $ 6.68 | $ 7.04 | $ 13.72 | $ 6,666.59 |
| 1033 | | | 2" HDPE 40 Conduit | LF | 475 | 0% | 475 | 0.09 | $ 75.00 | $ 6.68 | $ 8.92 | $ 15.60 | $ 7,409.50 |
| 1034 | | | 2" HDPE 40 Conduit With Inner Duct | LF | 748 | 0% | 748 | 0.09 | $ 75.00 | $ 6.68 | $ 9.10 | $ 15.78 | $ 11,797.18 |
| 1035 | | | 2" HDPE 40 Conduit With Inner Duct | LF | 136 | 0% | 136 | 0.09 | $ 75.00 | $ 6.68 | $ 9.10 | $ 15.78 | $ 2,144.77 |
| 1036 | | | 2" HDPE Conduit | LF | 202 | 0% | 202 | 0.09 | $ 75.00 | $ 6.68 | $ 8.92 | $ 15.60 | $ 3,145.20 |
| 1037 | | | 2" Hopoe Conduit | LF | 439 | 0% | 439 | 0.09 | $ 75.00 | $ 6.68 | $ 8.92 | $ 15.60 | $ 6,846.83 |
| 1038 | | | 2-1/2" OD Conduit | LF | 972 | 0% | 972 | 0.13 | $ 75.00 | $ 9.98 | $ 11.10 | $ 21.08 | $ 20,488.27 |
| 1039 | | | 2-1/2" OD Conduit | LF | 169 | 0% | 169 | 0.13 | $ 75.00 | $ 9.98 | $ 11.10 | $ 21.08 | $ 3,569.26 |
| 1040 | | | 2" PVC SCH 40 Conduit With Pull String | LF | 250 | 0% | 250 | 0.09 | $ 75.00 | $ 6.68 | $ 8.94 | $ 15.62 | $ 3,900.47 |
| 1041 | | | 4" PVC SCH 40 Conduit | LF | 199 | 0% | 199 | 0.18 | $ 75.00 | $ 13.35 | $ 16.95 | $ 30.30 | $ 6,029.70 |
| 1042 | | | 4" PVC SCH 40 Conduit With Inner Duct | LF | 443 | 0% | 443 | 0.18 | $ 75.00 | $ 13.35 | $ 17.10 | $ 30.45 | $ 13,499.70 |
| 1043 | | | 4" PVC SCH 40 Conduit With Inner Duct | LF | 574 | 0% | 574 | 0.18 | $ 75.00 | $ 13.35 | $ 17.10 | $ 30.45 | $ 17,470.99 |
| 1044 | | | 7" SDR11 Conduit | LF | 486 | 0% | 486 | 0.27 | $ 75.00 | $ 20.03 | $ 30.72 | $ 50.75 | $ 24,666.13 |
| 1045 | | | 7" SDR11 Conduit | LF | 85 | 0% | 85 | 0.27 | $ 75.00 | $ 20.03 | $ 30.72 | $ 50.75 | $ 4,297.09 |
| | | | **SECURITY** | | | | | | | | | | |
| | | | **CONDUIT** | | | | | | | | | | |
| 1046 | | | 3/4" PVC SCH 40 Conduit | LF | 247 | 10% | 272 | 0.06 | $ 75.00 | $ 4.13 | $ 2.18 | $ 6.31 | $ 1,713.35 |
| | | | **CONDUCTOR** | | | | | | | | | | |
| 1047 | | | CAT6 Cable | LF | 48 | 10% | 53 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 1048 | | | 2#14 Unshielded, 19 Stand Plenum Rated Cable, BELDEN 6100UE | LF | 399 | 10% | 438 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |

## DETAILED BREAKDOWN OF ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **DEVICES** | | | | | | | | | | |
| 1049 | | | 180 Deg Dome Camera, Q3819-PVE With T91G61, Exterior Wall Mounted | EA | 4 | 0% | 4 | 1.75 | $ 75.00 | $ 131.25 | $ 2,724.34 | $ 2,855.59 | $ 11,422.35 |
| 1050 | | | Camera With Dual Height Badge Read/Intercom Pedestal | EA | 1 | 0% | 1 | 3.25 | $ 75.00 | $ 243.75 | $ 2,875.58 | $ 3,119.33 | $ 3,119.33 |
| 1051 | | | Emergency Alert Push Button & Manual Gate | EA | 1 | 0% | 1 | 1.50 | $ 75.00 | $ 112.50 | $ 484.04 | $ 596.54 | $ 596.54 |
| 1052 | | | Gate Controller | EA | 3 | 0% | 3 | 3.75 | $ 75.00 | $ 281.25 | $ 2,242.90 | $ 2,524.15 | $ 7,572.46 |
| 1053 | | | Vehicle Detection Loop Sensor | EA | 3 | 0% | 3 | 1.25 | $ 75.00 | $ 93.75 | $ 368.69 | $ 462.44 | $ 1,387.32 |
| 1054 | | | 12 Strands Fiber CISCO 3200 SERIES Switch | EA | 1 | 0% | 1 | 2.00 | $ 75.00 | $ 150.00 | $ 2,582.85 | $ 2,732.85 | $ 2,732.85 |
| 1055 | | | Pole Mounted Cameras | EA | 6 | 0% | 6 | 3.25 | $ 75.00 | $ 243.75 | $ 1,208.02 | $ 1,451.77 | $ 8,710.61 |
| 1056 | | | Axis Communication P3247-LVE 5 MEGAPIXEL Camera | EA | 3 | 0% | 3 | 1.25 | $ 75.00 | $ 93.75 | $ 572.48 | $ 666.23 | $ 1,998.69 |
| 1057 | | | Axis Communication T91D61 Pole Mounted | EA | 3 | 0% | 3 | 1.75 | $ 75.00 | $ 131.25 | $ 621.35 | $ 752.60 | $ 2,257.79 |
| 1058 | | | Axis Communication T94T01D Pendant Kit | EA | 3 | 0% | 3 | 0.75 | $ 75.00 | $ 56.25 | $ 328.44 | $ 384.69 | $ 1,154.07 |
| 1059 | | | Axis Communication Q6155-E PTZ Network Camera | EA | 3 | 0% | 3 | 4.50 | $ 75.00 | $ 337.50 | $ 5,980.92 | $ 6,318.42 | $ 18,955.26 |
| 1060 | | | Axis Communication T94A01D Pendant Kit | EA | 3 | 0% | 3 | 0.75 | $ 75.00 | $ 56.25 | $ 72.45 | $ 128.70 | $ 386.10 |
| 1061 | | | Axis Communication T91D61 Pole Mounted | EA | 3 | 0% | 3 | 1.75 | $ 75.00 | $ 131.25 | $ 621.35 | $ 752.60 | $ 2,257.79 |
| 1062 | | | Sight Logix Sightsensor Thermal Sensor | EA | 3 | 0% | 3 | 3.50 | $ 75.00 | $ 262.50 | $ 3,506.66 | $ 3,769.16 | $ 11,307.48 |
| 1063 | | | Stresscrete E450-APT-G-E00-C/2 Adapter Plate CCTV Pole | EA | 3 | 0% | 3 | 2.52 | $ 75.00 | $ 189.00 | $ 1,380.00 | $ 1,569.00 | $ 4,707.00 |
| | | | **MISCELLANEOUS** | | | | | | | | | | |
| 1064 | | | 5'x5'x5' Terrestrial Fiber Vault | EA | 2 | 0% | 2 | 18.50 | $ 75.00 | $ 1,387.50 | $ 5,750.00 | $ 7,137.50 | $ 14,275.00 |
| 1065 | | | 2-1/2" Dia Domestic Water Meter & Backflow Assembly | EA | 1 | 0% | 1 | 8.25 | $ 75.00 | $ 618.75 | $ 8,000.00 | $ 8,618.75 | $ 8,618.75 |
| 1066 | | | Trench Drain (1EA = 38 FT) | EA | 1 | 0% | 1 | 5.70 | $ 75.00 | $ 427.50 | $ 1,003.20 | $ 1,430.70 | $ 1,430.70 |
| | | | **CLEANOUTS & DRAINS** | | | | | | | | | | |
| 1067 | | | 4" Dia Cleanout | EA | 2 | 0% | 2 | 3.50 | $ 75.00 | $ 262.50 | $ 771.99 | $ 1,034.49 | $ 2,068.98 |
| | | | **VALVE** | | | | | | | | | | |
| 1068 | | | 8" Dia Isolation Valve | EA | 13 | 0% | 13 | 3.12 | $ 75.00 | $ 234.00 | $ 2,043.61 | $ 2,277.61 | $ 29,608.93 |
| | | | **PVC COUPLING** | | | | | | | | | | |
| 1068 | | | 2-1/2" Dia | EA | 10 | 0% | 10 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 1069 | | | 4" Dia | EA | 66 | 0% | 66 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| 1069 | | | 8" Dia | EA | 129 | 0% | 129 | 0.00 | $ 75.00 | $ - | $ - | $ - | $ - |
| | | | **TRENCHING & BACKFILLING** | | | | | | | | | | |
| 1070 | | | Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT | 5404 | 0% | 5404 | 0.05 | $ 75.00 | $ 3.75 | $ - | $ 3.75 | $ 20,265.00 |
| | | | **TRENCHING & BACKFILLING** | | | | | | | | | | |
| 1071 | | | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Mat | CFT | 10977 | 0% | 10977 | 0.05 | $ 75.00 | $ 3.75 | $ - | $ 3.75 | $ 41,163.75 |
| | | | | | | | | | | | | **SUBTOTAL** | **$ 906,011** |

| | | |
|---|---|---|
| | **PROJECTED COST** | **$11,578,790** |
| **OVERHEAD AND PROFIT** | **15%** | **$1,736,819** |
| **INSURANCE** | **3%** | **$347,364** |
| **CONTINGENCY** | **5%** | **$578,940** |
| **TAX** | **0%** | **$0** |
| **SUGGESTED BID** | | **$14,241,912** |

**Notes:**

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

# BREAKDOWN OF DUCT ITEMS

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE |
|---|---|---|---|---|---|
| | **HVAC** | | | | |
| | **GALVANIZED SHEET METAL DUCT** | | | | |
| 1 | 6" Dia Supply Air Duct | LF | 163 | 10% | 179 |
| 2 | 8" Dia Supply Air Duct | LF | 37 | 10% | 40 |
| 3 | 10"x6" Supply Air Duct | LF | 2 | 10% | 2 |
| 4 | 12"x10" Supply Air Duct | LF | 34 | 10% | 37 |
| 5 | 14"x12" Supply Air Duct | LF | 47 | 10% | 52 |
| 6 | 14"x14" Supply Air Duct | LF | 152 | 10% | 167 |
| 7 | 16"x14" Supply Air Duct | LF | 28 | 10% | 30 |
| 8 | 18"x12" Supply Air Duct | LF | 9 | 10% | 10 |
| 9 | 18"x16" Supply Air Duct | LF | 53 | 10% | 58 |
| 10 | 18"x18" Supply Air Duct | LF | 5 | 10% | 6 |
| 11 | 20"x10" Supply Air Duct | LF | 17 | 10% | 19 |
| 12 | 20"x18" Supply Air Duct | LF | 75 | 10% | 83 |
| 13 | 22"x22" Supply Air Duct | LF | 2 | 10% | 2 |
| 14 | 26"x26" Supply Air Duct | LF | 5 | 10% | 5 |
| 15 | 28"x28" Supply Air Duct | LF | 3 | 10% | 3 |
| 16 | 8" Dia Exhaust Air Duct | LF | 2 | 10% | 2 |
| 17 | 10" Dia Exhaust Air Duct | LF | 2 | 10% | 2 |
| 18 | 6"x6" Exhaust Air Duct | LF | 82 | 10% | 91 |
| 19 | 8"x6" Exhaust Air Duct | LF | 56 | 10% | 62 |
| 20 | 10"x6" Exhaust Air Duct | LF | 10 | 10% | 11 |
| 21 | 10"x8" Exhaust Air Duct | LF | 61 | 10% | 67 |
| 22 | 10"x10" Exhaust Air Duct | LF | 1 | 10% | 1 |
| 23 | 12"x12" Exhaust Air Duct | LF | 1 | 10% | 1 |
| 24 | 14"x14" Exhaust Air Duct | LF | 1 | 10% | 1 |
| | | | | | |

# MATERIAL LIST

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**Project ID:** 20112025
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USA ESTIMATORS
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**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| | | | **FIRE PROTECTION** | | |
| | | | **EXHAUST PIPE (ABOVE GRADE) (Cut Length = 10 LF)** | | |
| | | **Assumed** | **Black Steel Pipe, ASTM A53** | | |
| 1 | | | 4" Dia Exhaust Pipe | EA | 1 |
| | | | **FIRE PROTECTION PIPE (BELOW GRADE) (Cut Length = 10 LF)** | | |
| | | | **Black Steel Pipe, ASTM A53** | | |
| 2 | | | 8" Dia Fire Protection Pipe | EA | 1 |
| | | | **FIRE PROTECTION PIPE (ABOVE GRADE) (Cut Length = 10 LF)** | | |
| | | | **Black Steel Pipe, ASTM A53** | | |
| 3 | | | 1" Dia Fire Protection Pipe | EA | 41 |
| 4 | | | 2" Dia Fire Protection Pipe | EA | 373 |
| 5 | | | 4" Dia Fire Protection Pipe | EA | 58 |
| 6 | | | 6" Dia Fire Protection Pipe | EA | 34 |
| 7 | | | 8" Dia Fire Protection Pipe | EA | 7 |
| | | | **FIRE PROTECTION PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 8 | | | 1" Dia Fire Protection Pipe 90 Deg Elbow | EA | 10 |
| 9 | | | 2" Dia Fire Protection Pipe 90 Deg Elbow | EA | 13 |
| 10 | | | 4" Dia Fire Protection Pipe 90 Deg Elbow | EA | 9 |
| 11 | | | 6" Dia Fire Protection Pipe 90 Deg Elbow | EA | 7 |
| 12 | | | 8" Dia Fire Protection Pipe 90 Deg Elbow | EA | 4 |
| 13 | | | 4" Dia Fire Protection Pipe 45 Deg Elbow | EA | 1 |
| 14 | | | 6" Dia Fire Protection Pipe 45 Deg Elbow | EA | 1 |
| 15 | | | 8" Dia Fire Protection Pipe 45 Deg Elbow | EA | 1 |
| | | | **TEE** | | |
| 16 | | | 4" Dia Fire Protection Pipe Tee | EA | 2 |
| 17 | | | 6" Dia Fire Protection Pipe Tee | EA | 3 |
| 18 | | | 2" / 1" Dia Fire Protection Pipe Tee | EA | 404 |
| 19 | | | 4" / 2" Dia Fire Protection Pipe Tee | EA | 50 |
| 20 | | | 6" / 2" Dia Fire Protection Pipe Tee | EA | 12 |
| 21 | | | 8" / 6" Dia Fire Protection Pipe Tee | EA | 2 |
| 22 | | | 8" / 2" Dia Fire Protection Pipe Tee | EA | 2 |
| | | | **REDUCER** | | |
| 23 | | | 1" / 1/2" Dia Fire Protection Pipe Reducer | EA | 404 |
| 24 | | | 6" / 4" Dia Fire Protection Pipe Reducer | EA | 3 |
| | | | **SPRINKLER HEADS** | | |
| 25 | | **Schedule Not Given** | 1/2" Dia Upright Sprinkler Head | EA | 321 |
| 26 | | | 1/2" Dia Concealed Sprinkler Head | EA | 83 |
| | | | **SPRINKLER SYSTEM DETAILS** | | |
| 27 | | | 4" Dia Gate Valve | EA | 1 |
| 28 | | | Alarm Gong | EA | 1 |
| 29 | | | 2" Dia Control Valve | EA | 1 |
| 30 | **FP-102, FP-103 & FP-802** | | 2" Dia Test Alarm Valve | EA | 1 |
| 31 | | | Pressure Gauge | EA | 3 |
| | | | **SPRINKLER PRE-SYSTEM DETAILS** | | |
| 32 | | | Alarm Gong | EA | 1 |
| 33 | | | Waterflow Supervisory Alarm Switch | EA | 1 |
| 34 | | | Supervisory Air Pressure Switch | EA | 1 |
| 35 | | | "B" Pressure Gauge | EA | 2 |
| 36 | | | "C" Pressure Gauge | EA | 1 |
| | | | **FIRE PUMP ROOM** | | |
| 37 | | | 4" Dia Check Valve | EA | 1 |
| 38 | | | NGEN-1: Nitrogen Generator | EA | 1 |
| 39 | | | NGVC-1: Smart Vent | EA | 1 |
| 40 | | | 6" To Preaction Sprinkler System | EA | 1 |
| 41 | | | 8" Dia Check Valve | EA | 1 |
| 42 | | | 8" Dia Relief Valve | EA | 1 |
| 43 | | | Diesel Fire Pump: 1000 GPM, 100 BHP Max., 100HP Motor, 2960 RPM, 100 PSI | EA | 1 |
| 44 | | | Electric Jokey Pump: 10 GPM, 110 PSI Head, 3 BHP Max., 3HP Motor, 2960 RP | EA | 1 |
| 45 | | | 8" Dia OS&Y | EA | 3 |
| 46 | | | Anti-Vortex Plate | EA | 1 |

# MATERIAL LIST

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**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 47 | | | 4" Dia Tank Fill Valve | EA | 3 |
| 48 | | | Fire Pump Controller | EA | 1 |
| 49 | | | 6" To Sprinkler System | EA | 1 |
| 50 | | | Jockey Pump Controller | EA | 1 |
| 51 | | | Diesel Exhaust To Atmosphere With Rain Cap | EA | 1 |
| | | | **MISCELLANEOUS** | | |
| | | | **PIPE SUPPORT** | | |
| 52 | | | 1" Dia Adjustable Clevis Hanger | EA | 67 |
| 53 | | | 2" Dia Adjustable Clevis Hanger | EA | 373 |
| 54 | | | 4" Dia Adjustable Clevis Hanger | EA | 58 |
| 55 | | | 6" Dia Adjustable Clevis Hanger | EA | 33 |
| 56 | | | 8" Dia Adjustable Clevis Hanger | EA | 7 |
| 57 | | | 3/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 67 |
| 58 | | | 1/2" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 431 |
| 59 | | | 5/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 40 |
| | | | **TRENCHING & BACKFILLING** | | |
| 60 | | | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Ma | CFT | 120 |
| | | | | | |
| | | | **PLUMBING** | | |
| | | | **COLD WATER PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2467 Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F656 And ASTM D2564** | | |
| 61 | | | 2" Dia Domestic Cold Water Pipe | EA | 4 |
| 62 | | | 2-1/2" Dia Domestic Cold Water Pipe | EA | 4 |
| | | | **COLD WATER PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 63 | | | 2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 3 |
| 64 | | | 2-1/2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 1 |
| | | | **COLD WATER PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | |
| 65 | | | 1/2" Dia Domestic Cold Water Pipe | EA | 130 |
| 66 | | | 3/4" Dia Domestic Cold Water Pipe | EA | 555 |
| 67 | | | 1-1/4" Dia Domestic Cold Water Pipe | EA | 64 |
| 68 | | | 1-1/2" Dia Domestic Cold Water Pipe | EA | 4 |
| 69 | | | 2" Dia Domestic Cold Water Pipe | EA | 120 |
| 70 | | | 2-1/2" Dia Domestic Cold Water Pipe | EA | 17 |
| | | | **1/2" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | |
| 71 | | | 1/2" Dia Domestic Cold Water Pipe | EA | 13 |
| 72 | | | 3/4" Dia Domestic Cold Water Pipe | EA | 56 |
| 73 | | | 1-1/4" Dia Domestic Cold Water Pipe | EA | 7 |
| 74 | | | 1-1/2" Dia Domestic Cold Water Pipe | EA | 1 |
| 75 | | | 2" Dia Domestic Cold Water Pipe | EA | 12 |
| 76 | | | 2-1/2" Dia Domestic Cold Water Pipe | EA | 2 |
| | | | **COLD WATER PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 77 | | | 1/2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 21 |
| 78 | | | 3/4" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 33 |
| 79 | | | 1-1/4" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 3 |
| 80 | | | 2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 7 |
| 81 | | | 2-1/2" Dia Domestic Cold Water Pipe 90 Deg Elbow | EA | 2 |
| | | | **TEE** | | |
| 82 | | | 1/2" Dia Domestic Cold Water Pipe Tee | EA | 1 |
| 83 | | | 3/4" Dia Domestic Cold Water Pipe Tee | EA | 7 |
| 84 | | | 1-1/4" Dia Domestic Cold Water Pipe Tee | EA | 0 |
| 85 | | | 2-1/2" Dia Domestic Cold Water Pipe Tee | EA | 1 |
| 86 | | | 1-1/4" / 1/2" Dia Domestic Cold Water Pipe Tee | EA | 7 |
| 87 | | | 1-1/4" / 3/4" Dia Domestic Cold Water Pipe Tee | EA | 1 |
| 88 | | | 1-1/2"/ 3/4" Dia Domestic Cold Water Pipe Tee | EA | 1 |
| 89 | | | 2" / 3/4" Dia Domestic Cold Water Pipe Tee | EA | 2 |
| 90 | | | 2" / 1-1/2" Dia Domestic Cold Water Pipe Tee | EA | 1 |
| | | | **REDUCER** | | |
| 91 | | | 1-1/2" / 1/2" Dia Domestic Cold Water Pipe Reducer | EA | 1 |
| 92 | | | 1-1/2" / 1-1/4" Dia Domestic Cold Water Pipe Reducer | EA | 1 |
| 93 | | | 2-1/2" / 2" Dia Domestic Cold Water Pipe Reducer | EA | 1 |
| | | | **HOT WATER PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | |
| 94 | | | 1/2" Dia Domestic Hot Water Pipe | EA | 6 |
| 95 | | | 3/4" Dia Domestic Hot Water Pipe | EA | 9 |

# MATERIAL LIST

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
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**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 96 | | | 1-1/4" Dia Domestic Hot Water Pipe | EA | 1 |
| | | | **1" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | |
| 97 | | | 1/2" Dia Domestic Hot Water Pipe | EA | 6 |
| 98 | | | 3/4" Dia Domestic Hot Water Pipe | EA | 9 |
| 99 | | | 1-1/4" Dia Domestic Hot Water Pipe | EA | 1 |
| | | | **HOT WATER PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 100 | | | 1/2" Dia Domestic Hot Water Pipe 90 Deg Elbow | EA | 11 |
| 101 | | | 3/4" Dia Domestic Hot Water Pipe 90 Deg Elbow | EA | 14 |
| 102 | | | 1-1/4" Dia Domestic Hot Water Pipe 90 Deg Elbow | EA | 2 |
| | | | **TEE** | | |
| 103 | | | 3/4" Dia Domestic Hot Water Pipe Tee | EA | 3 |
| 104 | | | 3/4" / 1/2" Dia Domestic Hot Water Pipe Tee | EA | 3 |
| 105 | | | 1-1/4" Dia Domestic Hot Water Pipe Tee | EA | 1 |
| | | | **REDUCER** | | |
| 106 | | | 1-1/4" / 3/4" Dia Domestic Hot Water Pipe Reducer | EA | 2 |
| | | | **HOT WATER RETURN PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | |
| 107 | | | 3/4" Dia Domestic Hot Water Return Pipe | EA | 14 |
| 108 | | | 1" Dia Domestic Hot Water Return Pipe | EA | 4 |
| | | | **1" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | |
| 109 | | | 3/4" Dia Domestic Hot Water Return Pipe | EA | 14 |
| 110 | | | 1" Dia Domestic Hot Water Return Pipe | EA | 4 |
| | | | **HOT WATER RETURN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 111 | | | 3/4" Dia Domestic Hot Water Return Pipe 90 Deg Elbow | EA | 8 |
| | | | **TEE** | | |
| 112 | | | 3/4" Dia Domestic Hot Water Return Pipe Tee | EA | 4 |
| 113 | | | 3/4" / 1/2" Dia Domestic Hot Water Return Pipe Tee | EA | 1 |
| | | | **WATER MAKE UP PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2467 Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F656 And ASTM D2564** | | |
| 114 | | | 3/4" Dia Water Make Up Pipe | EA | 47 |
| 115 | | | 1" Dia Water Make Up Pipe | EA | 5 |
| 116 | | | 2" Dia Water Make Up Pipe | EA | 33 |
| | | | **WATER MAKE UP PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 117 | | | 3/4" Dia Water Make Up Pipe 90 Deg Elbow | EA | 13 |
| 118 | | | 2" Dia Water Make Up Pipe 90 Deg Elbow | EA | 1 |
| 119 | | | 2" Dia Water Make Up Pipe 90 Deg Elbow | EA | 3 |
| | | | **TEE** | | |
| 120 | | | 3/4" Dia Water Make Up Pipe Tee | EA | 2 |
| 121 | | | 2" Dia Water Make Up Pipe Tee | EA | 1 |
| 122 | | | 2" / 3/4" Dia Water Make Up Pipe Tee | EA | 2 |
| 123 | | | 2" / 1" Dia Water Make Up Pipe Tee | EA | 1 |
| | | | **REDUCER** | | |
| 124 | | | 2" / 3/4" Dia Water Make Up Pipe Reducer | EA | 2 |
| | | | **WATER MAKE UP PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **NPS Schedule 80 PVC Per ASTM D1785, NSF/Ansi 61 Certified, ASTM D2846 & ASTM F441, Schedule 80 PVC Socket Type Fittings, Joints Per ASTM F493** | | |
| 125 | | | 3/4" Dia Water Make Up Pipe | EA | 3 |
| 126 | | | 2" Dia Water Make Up Pipe | EA | 2 |
| | | | **1" Thick Fiberglass Pipe Insulation, KNAUF, K Value 0.24 At 75 °F Non Combustible W/ ASJ-SSL Factory Applied Jacket** | | |
| 127 | | | 3/4" Dia Water Make Up Pipe | EA | 3 |
| 128 | | | 2" Dia Water Make Up Pipe | EA | 2 |
| | | | **WASTE PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **SCH 40 Solid Wall PVC Pipe, ASTM D1785 W/ SCH 40 PVC DWV Fittings, ASTM D1785** | | |
| 129 | | | 1-1/4" Dia Waste Pipe | EA | 1 |
| 130 | | | 1-1/2" Dia Waste Pipe | EA | 2 |
| 131 | | | 2" Dia Waste Pipe | EA | 8 |
| 132 | | | 3" Dia Waste Pipe | EA | 1 |
| 133 | | | 4" Dia Waste Pipe | EA | 83 |
| | | | **WASTE PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 134 | | | 1-1/4" Dia Waste Pipe 90 Deg Elbow | EA | 2 |
| 135 | | | 1-1/2" Dia Waste Pipe 90 Deg Elbow | EA | 3 |
| 136 | | | 2" Dia Waste Pipe 90 Deg Elbow | EA | 4 |
| 137 | | | 3" Dia Waste Pipe 90 Deg Elbow | EA | 2 |
| 138 | | | 4" Dia Waste Pipe 90 Deg Elbow | EA | 24 |
| 139 | | | 1-1/4" Dia Waste Pipe 45 Deg Elbow | EA | 2 |

# MATERIAL LIST

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 140 | | | 1-1/2" Dia Waste Pipe 45 Deg Elbow | EA | 2 |
| 141 | | | 2" Dia Waste Pipe 45 Deg Elbow | EA | 7 |
| 142 | | | 3" Dia Waste Pipe 45 Deg Elbow | EA | 2 |
| 143 | | | 4" Dia Waste Pipe 45 Deg Elbow | EA | 47 |
| | | | **WYE** | | |
| 144 | | | 1-1/2" Dia Waste Pipe Wye | EA | 1 |
| 145 | | | 2" Dia Waste Pipe Wye | EA | 2 |
| 146 | | | 3" Dia Waste Pipe Wye | EA | 1 |
| 147 | | | 4" Dia Waste Pipe Wye | EA | 47 |
| 148 | | | 2" / 1-1/4" Dia Waste Pipe Wye | EA | 2 |
| 149 | | | 2" / 1-1/2" Dia Waste Pipe Wye | EA | 2 |
| 150 | | | 4" / 2" Dia Waste Pipe Wye | EA | 10 |
| 151 | | | 4" / 3" Dia Waste Pipe Wye | EA | 1 |
| | | | **REDUCER** | | |
| 152 | | | 2" / 1-1/4" Dia Waste Pipe Reducer | EA | 2 |
| 153 | | | 2" / 1-1/2" Dia Waste Pipe Reducer | EA | 1 |
| 154 | | | 3" / 2" Dia Waste Pipe Reducer | EA | 1 |
| 155 | | | 4" / 2" Dia Waste Pipe Reducer | EA | 9 |
| | | | **VENT PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | | **SCH 40 Solid Wall PVC Pipe, ASTM D1785 W/ SCH 40 PVC DWV Fittings, ASTM D1785** | | |
| 156 | | | 8" Dia Vent Pipe | EA | 2 |
| | | | **VENT PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 157 | | | 8" Dia Vent Pipe 90 Deg Elbow | EA | 3 |
| 158 | | | 8" Dia Vent Pipe 45 Deg Elbow | EA | 1 |
| | | | **VENT PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **SCH 40 Solid Wall PVC Pipe, ASTM D1785 W/ SCH 40 PVC DWV Fittings, ASTM D1785** | | |
| 159 | | | 1-1/4" Dia Vent Pipe | EA | 3 |
| 160 | | | 1-1/2" Dia Vent Pipe | EA | 5 |
| 161 | | | 2" Dia Vent Pipe | EA | 37 |
| 162 | | | 4" Dia Vent Pipe | EA | 1 |
| 163 | | | 8" Dia Vent Pipe | EA | 2 |
| | | | **VENT PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 164 | | | 1-1/4" Dia Vent Pipe 90 Deg Elbow | EA | 1 |
| 165 | | | 1-1/2" Dia Vent Pipe 90 Deg Elbow | EA | 2 |
| 166 | | | 2" Dia Vent Pipe 90 Deg Elbow | EA | 12 |
| 167 | | | 2" Dia Vent Pipe 45 Deg Elbow | EA | 5 |
| | | | **TEE** | | |
| 168 | P-100, P-101, P-201, P231, P510 & P801 | | 1-1/2" Dia Vent Pipe Tee | EA | 1 |
| 169 | | | 2" Dia Vent Pipe Tee | EA | 10 |
| 170 | | | 4" Dia Vent Pipe Tee | EA | 1 |
| 171 | | | 4" / 2" Dia Vent Pipe Tee | EA | 2 |
| | | | **REDUCER** | | |
| 172 | | | 2" / 1-1/2" Dia Vent Pipe Reducer | EA | 1 |
| 173 | | | 4" / 2" Dia Vent Pipe Reducer | EA | 2 |
| | | | **STORM DRAIN PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | | **SCH 40 PVC Pipe, ASTM D1785, NSF/ANSI 61 Certified W/ SCH 40 PVC Fittings, ASTM D2466, NSF/ANSI 61 Certified** | | |
| 174 | | | 4" Dia Storm Drain Pipe | EA | 5 |
| 175 | | | 8" Dia Storm Drain Pipe | EA | 4 |
| | | | **STORM DRAIN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 176 | | | 4" Dia Storm Drain Pipe 90 Deg Elbow | EA | 2 |
| 177 | | | 8" Dia Storm Drain Pipe 90 Deg Elbow | EA | 2 |
| 178 | | | 8" Dia Storm Drain Pipe 45 Deg Elbow | EA | 2 |
| | | | **WYE** | | |
| 179 | | | 8" Dia Storm Drain Pipe Wye | EA | 2 |
| | | | **STORM DRAIN PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **SCH 40 PVC Pipe, ASTM D1785, NSF/ANSI 61 Certified W/ SCH 40 PVC Fittings, ASTM D2466, NSF/ANSI 61 Certified** | | |
| 180 | | | 8" Dia Storm Drain Pipe | EA | 75 |
| | | | **STORM DRAIN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 181 | | | 8" Dia Storm Drain Pipe 90 Deg Elbow | EA | 8 |
| 182 | | | 8" Dia Storm Drain Pipe 45 Deg Elbow | EA | 14 |
| | | | **WYE** | | |
| 183 | | | 8" Dia Storm Drain Pipe Wye | EA | 14 |
| | | | **OVERFLOW DRAIN PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | Assumed | **SCH 40 PVC Pipe, ASTM D1785, NSF/ANSI 61 Certified W/ SCH 40 PVC Fittings, ASTM D2466, NSF/ANSI 61 Certified** | | |
| 184 | | | 8" Dia Overflow Drain Pipe | EA | 2 |
| | | | **OVERFLOW DRAIN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 185 | | | 8" Dia Overflow Drain Pipe 90 Deg Elbow | EA | 2 |
| | | | **CONDENSATE PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | Assumed | **Type "M" Copper Pipe** | | |

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|---|---|---|---|---|---|
| 186 | | | 3/4" Dia Condensate Drain Pipe | EA | 55 |
| 187 | | | 1" Dia Condensate Drain Pipe | EA | 31 |
| | | | **OVERFLOW DRAIN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 188 | | | 3/4" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 42 |
| 189 | | | 1" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 32 |
| | | | **TEE** | | |
| 190 | | | 3/4" Dia Condensate Drain Pipe Tee | EA | 30 |
| 191 | | | 1" Dia Condensate Drain Pipe Tee | EA | 12 |
| | | | **REDUCER** | | |
| 192 | | | 1" / 3/4" Dia Condensate Drain Pipe Reducer | EA | 2 |
| | | | **PLUMBING FIXTURES** | | |
| 193 | | | EWC-1: Mechanical Push bar Actuated Water Cooler, ELKAY LVRCGRNTL8W | EA | 1 |
| 194 | | | MSB-1: Cleaners Sink, FIAT MSBIDTG2424, Flow Rate: 2.5 GPM Remarks: 1: 2 | EA | 1 |
| 195 | | | OB-1: Water Outlet Box, OATEY 39140, Remarks: 1: Provide All Required Acce | EA | 2 |
| 196 | | | SH-1: Shower And Drain, BESTBATH LCS26540W75B, Flow Rate: 1.38 GPM F | EA | 1 |
| 197 | | | SK-1: Sink, ELKAY LRADQ2219, Flow Rate: 2.2 GPM Remarks: 1: Provide All | EA | 1 |
| 198 | | | WB-1: Lavatory, AMERICAN STANDARD ORBIT 0630, Flow Rate: 0.35 GPM | EA | 2 |
| 199 | | | WC-1: Water Closet (ADA), AMERICAN STANDARD AFWALL MILLENIUM | EA | 2 |
| 200 | | | EEWS-1: Portable Emergency Shower And Eye Wash Station, HUGHES 40K45G | EA | 3 |
| 201 | | | 3/4" Dia HB-1: Hose Bibb, MIFAB HY-9241-NPB Remarks: 1: Exposed Type, Lo | EA | 4 |
| 202 | | | 3/4" Dia HB-2: Utility Yard Hydrants, AY R. SMITH 5675-H Remarks: 1: Rough | EA | 6 |
| 203 | | | 3/4" Dia HB-3: Hose Bibb, MIFAB HY-9041-NPB Remarks: 1: Exposed Type, Lo | EA | 2 |
| 204 | | | 4" Dia FS-1: Floor Sink, JAY R. SMITH 3160C-14-PDBSRemarks: 1: 10" Deep E | EA | 3 |
| | | | **DOMESTIC HOT WATER GERERATOR** | | |
| 205 | | | DHWG-1: Domestic Hot Water Generator, RHEEM E40A-6-G, Storage (Gallon): | EA | 1 |
| | | | **WATER HEATER DETAIL** | | |
| 206 | | | 3/4" Dia Vacuum Relief Valve | EA | 1 |
| 207 | | | 3/4" Dia Pressure Gauge | EA | 2 |
| 208 | | | 3/4" Dia Union | EA | 7 |
| 209 | | | Thermostat | EA | 2 |
| 210 | | | 3/4" Dia Strainer | EA | 2 |
| 211 | | | 3/4" Dia Check Valve | EA | 3 |
| 212 | | | 3/4" Dia T&P: Temperature And Pressure Relief Valve | EA | 1 |
| 213 | | | 3/4" Dia Shutoff Valve | EA | 6 |
| 214 | | | 1-1/4" Dia Shutoff Valve | EA | 2 |
| 215 | | | Aquastat | EA | 1 |
| 216 | | | ET-1: Expansion Tank, AMTROL ST-12-C, Tank Volume (Gallon): 24.2, Accepte | EA | 1 |
| | | | **PUMP** | | |
| 217 | | | BP-1: Domestic Water Booster Pump, XYLEM EMVP-D10G, Pump No: 2, Pressu | EA | 1 |
| 218 | | | DHWP1: Domestic Hot Water Recirculation Pump, GRUNDFOS ALPHA1 CS 15 | EA | 1 |
| | | | **RAINWATER PURIFICATION** | | |
| 219 | | | RWT-1: Rainwater Purification Skid, RAINWATER MANAGEMENT SOLUTIO | EA | 1 |
| | | | **REDUCED PRESSURE ZONE VALVE** | | |
| 220 | | | 2-1/2" Dia RPZ-1: Reduced Pressure Zone Valve, WATTS LF909OSY Remarks: | EA | 1 |
| 221 | | | 2" Dia RPZ-2: Backflow Preventer, WATTS LF009M2-FS Remarks: 1: Lead Free | EA | 1 |
| | | | **REDUCED PRESSURE ZONE DETAILS** | | |
| 222 | | | 2-1/2" Dia Air Gap | EA | 1 |
| 223 | | | 3/4" Dia Pressure Gauge | EA | 2 |
| 224 | | | 2-1/2" Dia Strainer | EA | 1 |
| | | | **MISCELLANEOUS** | | |
| 225 | | | 2" Dia Vent Through Roof | EA | 7 |
| 226 | | | 4" Dia Vent Through Roof | EA | 1 |
| 227 | | | 8" Dia Vent Through Roof | EA | 1 |
| 228 | | | Sump Pit, 12"x12"x24" | EA | 1 |
| 229 | | | 2" Dia Wye-Strainer | EA | 1 |
| 230 | | | WM-1: Water Meter, FERGUSON IMAG 4700 SERIES Remarks: 1: Flanged Ele | EA | 1 |
| 231 | | | 1/2" Dia Water Hammer Arrestor | EA | 2 |
| 232 | | | 3/4" Dia Diverting Orifice | EA | 1 |
| 233 | | | 1-1/4" Dia Thermostat | EA | 1 |
| 234 | | | 1-1/4" Dia Diverting Orifice | EA | 3 |
| 235 | | | 2" Dia By-Pass With SOV (N.C) | EA | 1 |
| | | | **CLEANOUTS & DRAINS** | | |
| 236 | | | 2" Dia FCO-1: Floor Cleanout,Remarks: 1: Refer To Specification | EA | 1 |
| 237 | | | 4" Dia FCO-1: Floor Cleanout,Remarks: 1: Refer To Specification | EA | 8 |
| 238 | | | 4" Dia FD-1: Floor Drain, JAY R. SMITH 2131-C-G, Remarks: 1: Deep Body Cat | EA | 22 |
| 239 | | | 4" Dia FD-2: Floor Drain, JAY R. SMITH 2010B-B05NB-P050 Remarks: 1: Light | EA | 3 |
| 240 | | | 4" Dia FD-3: Floor Drain, JAY R. SMITH 2131-C-G, Remarks: 1: Deep Body Cat | EA | 1 |
| 241 | | | 4" Dia WCO-1: Wall CleanoutREFER TO SPECIFICATION. | EA | 3 |

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|---|---|---|---|---|---|
| 242 | | | 3/4" Dia PCO: Process Cleanout | EA | 9 |
| 243 | | | 1" Dia PCO: Process Cleanout | EA | 5 |
| 244 | | | 4" Dia GCO: Ground Cleanout | EA | 2 |
| 245 | | | 8" Dia PCO: Process Cleanout | EA | 4 |
| | | | **VALVES** | | |
| 246 | | | 3/4" Dia BV-1: Balancing Valve, CIRCUIT SOLVER CSUAS-3/4-115-CV1-TW, | EA | 1 |
| 247 | | | 3/4" Dia BV-2: Balancing Valve, CIRCUIT SOLVER CSUAS-3/4-115-CV1-TW, | EA | 1 |
| 248 | | | 3/4" DIA TMV-1: Thermostatic Mixing Valve, ATRMSTRONG MODEL 320, Mi | EA | 1 |
| 249 | | | 4" Dia PCV-1: Post Indicator Valve, AMERICAN 2500 SERIES, Rough-In (Inche | EA | 1 |
| 250 | | | 8" Dia BW-1: Backwater Valve, SPEARS S875P, Rough-In (Inches): In: 8, Out: 8 | EA | 1 |
| 251 | | | 1/2" Dia Shutoff Valve | EA | 17 |
| 252 | | | 3/4" Dia Shutoff Valve | EA | 15 |
| 253 | | | 3/4" Dia Check Valve | EA | 0 |
| 254 | | | 3/4" Dia Ball Valve | EA | 1 |
| 255 | | | 1" Dia Shutoff Valve | EA | 3 |
| 256 | | | 1-1/4" Dia Shutoff Valve | EA | 3 |
| 257 | | | 1-1/4" Dia Shutoff Valve | EA | 2 |
| 258 | | | 2" Dia Shutoff Valve | EA | 16 |
| 259 | | | 2" Dia Check Valve | EA | 2 |
| 260 | | | 2" Dia Makeup Water Valve | EA | 1 |
| 261 | | | 2" Dia Control Valve | EA | 1 |
| 262 | | | 2-1/2" Dia Shutoff Valve | EA | 4 |
| 263 | | | 8" Dia Check Valve | EA | 1 |
| 264 | | | 8" Dia Isolation Valve | EA | 2 |
| | | | **PVC COUPLING** | | |
| 265 | | | 1/2" Dia | EA | 19 |
| 266 | | | 3/4" Dia | EA | 127 |
| 267 | | | 1" Dia | EA | 8 |
| 268 | | | 1-1/4" Dia | EA | 11 |
| 269 | | | 1-1/2" Dia | EA | 7 |
| 270 | | | 2" Dia | EA | 95 |
| 271 | | | 2-1/2" Dia | EA | 6 |
| 272 | | | 3" Dia | EA | 1 |
| 273 | | | 4" Dia | EA | 89 |
| 274 | | | 8" Dia | EA | 84 |
| | | | **PIPE SUPPORT** | | |
| 275 | | | 1/2" Dia Adjustable Clevis Hanger | EA | 32 |
| 276 | | | 3/4" Dia Adjustable Clevis Hanger | EA | 224 |
| 277 | | | 1" Dia Adjustable Clevis Hanger | EA | 56 |
| 278 | | | 1-1/4" Dia Adjustable Clevis Hanger | EA | 17 |
| 279 | | | 1-1/2" Dia Adjustable Clevis Hanger | EA | 11 |
| 280 | | | 2" Dia Adjustable Clevis Hanger | EA | 61 |
| 281 | | | 2-1/2" Dia Adjustable Clevis Hanger | EA | 6 |
| 282 | | | 3" Dia Adjustable Clevis Hanger | EA | 1 |
| 283 | | | 4" Dia Adjustable Clevis Hanger | EA | 84 |
| 284 | | | 8" Dia Adjustable Clevis Hanger | EA | 76 |
| 285 | | | 3/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 339 |
| 286 | | | 1/2" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 152 |
| 287 | | | 5/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 76 |
| | | | **TRENCHING & BACKFILLING** | | |
| 288 | | | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Ma | CFT | 3099 |

## HVAC

| | | | | | |
|---|---|---|---|---|---|
| | | | **FLEXIBLE DUCT** | | |
| 289 | | | 6" Dia Flexible Duct | LF | 74 |
| | | | **REFRIGERANT PIPE (Cut Length = 10 LF)** | | |
| | | **Assumed** | **Type "ACR" Copper Pipe With Fittings** | | |
| 290 | | | 1/4" Dia Refrigerant Liquid Pipe | EA | 50 |
| 291 | | | 3/8" Dia Refrigerant Liquid Pipe | EA | 76 |
| 292 | | | 1/2" Dia Refrigerant Liquid Pipe | EA | 35 |
| 293 | | | 5/8" Dia Refrigerant Liquid Pipe | EA | 4 |
| 294 | | | 3/8" Dia Refrigerant Suction Pipe | EA | 2 |
| 295 | | | 1/2" Dia Refrigerant Suction Pipe | EA | 49 |
| 296 | | | 5/8" Dia Refrigerant Suction Pipe | EA | 30 |
| 297 | | | 3/4" Dia Refrigerant Suction Pipe | EA | 39 |
| 298 | | | 7/8" Dia Refrigerant Suction Pipe | EA | 30 |
| 299 | | | 1-1/8" Dia Refrigerant Suction Pipe | EA | 16 |
| 300 | | | 5/8" Dia Refrigerant Suction (High) Pipe | EA | 16 |
| 301 | | | 3/4" Dia Refrigerant Suction (High) Pipe | EA | 19 |

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|---|---|---|---|---|---|
| 302 | | | 1-1/8" Dia Refrigerant Suction (High) Pipe | EA | 4 |
| | | | **1-1/2" Thick Elastomer Insulation** | | |
| 303 | | | 1/4" Dia Refrigerant Liquid Pipe | LF | 50 |
| 304 | | | 3/8" Dia Refrigerant Liquid Pipe | LF | 76 |
| 305 | | | 1/2" Dia Refrigerant Liquid Pipe | LF | 35 |
| 306 | | | 5/8" Dia Refrigerant Liquid Pipe | LF | 4 |
| 307 | | | 3/8" Dia Refrigerant Suction Pipe | LF | 2 |
| 308 | | | 1/2" Dia Refrigerant Suction Pipe | LF | 49 |
| 309 | | | 5/8" Dia Refrigerant Suction Pipe | LF | 30 |
| 310 | | | 3/4" Dia Refrigerant Suction Pipe | LF | 39 |
| 311 | | | 7/8" Dia Refrigerant Suction Pipe | LF | 30 |
| 312 | | | 1-1/8" Dia Refrigerant Suction Pipe | LF | 16 |
| 313 | | | 5/8" Dia Refrigerant Suction (High) Pipe | LF | 16 |
| 314 | | | 3/4" Dia Refrigerant Suction (High) Pipe | LF | 19 |
| 315 | | | 1-1/8" Dia Refrigerant Suction (High) Pipe | LF | 4 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE (BELOW GRADE)** (Cut Length = 10LF) | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | |
| 316 | | | 6" Dia Process Cooling Water Supply Pipe | EA | 6 |
| 317 | | | 8" Dia Process Cooling Water Supply Pipe | EA | 23 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 318 | | | 6" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 7 |
| 319 | | | 8" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 4 |
| | | | **TEE** | | |
| 320 | | | 6" Dia Process Cooling Water Supply Pipe Tee | EA | 3 |
| 321 | | | 8" Dia Process Cooling Water Supply Pipe Tee | EA | 2 |
| 322 | | | 8" / 6" Dia Process Cooling Water Supply Pipe Tee | EA | 5 |
| | | | **REDUCER** | | |
| 323 | | | 8" / 6" Dia Process Cooling Water Supply Pipe Reducer | EA | 1 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | |
| 324 | | | 1/2" Dia Process Cooling Water Supply Pipe | EA | 3 |
| 325 | | | 1-1/2" Dia Process Cooling Water Supply Pipe | EA | 16 |
| 326 | | | 2" Dia Process Cooling Water Supply Pipe | EA | 10 |
| 327 | | | 3" Dia Process Cooling Water Supply Pipe | EA | 1 |
| 328 | | | 4" Dia Process Cooling Water Supply Pipe | EA | 19 |
| 329 | | | 6" Dia Process Cooling Water Supply Pipe | EA | 8 |
| 330 | | | 8" Dia Process Cooling Water Supply Pipe | EA | 71 |
| | | | **1" Thick Mineral Fiber Insulation** | | |
| 331 | | | 1/2" Dia Process Cooling Water Supply Pipe | EA | 3 |
| 332 | | | 1-1/2" Dia Process Cooling Water Supply Pipe | EA | 16 |
| 333 | | | 2" Dia Process Cooling Water Supply Pipe | EA | 10 |
| 334 | | | 3" Dia Process Cooling Water Supply Pipe | EA | 1 |
| 335 | | | 4" Dia Process Cooling Water Supply Pipe | EA | 19 |
| 336 | | | 6" Dia Process Cooling Water Supply Pipe | EA | 8 |
| 337 | | | 8" Dia Process Cooling Water Supply Pipe | EA | 71 |
| | | | **PROCESS COOLING WATER SUPPLY PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 338 | | | 1/2" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 10 |
| 339 | | | 1-1/2" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 2 |
| 340 | | | 2" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 8 |
| 341 | | | 3" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 1 |
| 342 | | | 4" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 2 |
| 343 | | | 6" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 9 |
| 344 | | | 8" Dia Process Cooling Water Supply Pipe 90 Deg Elbow | EA | 22 |
| 345 | | | 4" Dia Process Cooling Water Supply Pipe 45 Deg Elbow | EA | 2 |
| 346 | | | 8" Dia Process Cooling Water Supply Pipe 45 Deg Elbow | EA | 6 |
| | | | **TEE** | | |
| 347 | | | 1-1/2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 |
| 348 | | | 2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 |
| 349 | | | 4" Dia Process Cooling Water Supply Pipe Tee | EA | 3 |
| 350 | | | 8" Dia Process Cooling Water Supply Pipe Tee | EA | 3 |
| 351 | | | 8" / 1/2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 |
| 352 | | | 8" / 1-1/2" Dia Process Cooling Water Supply Pipe Tee | EA | 1 |
| 353 | | | 8" / 2" Dia Process Cooling Water Supply Pipe Tee | EA | 2 |
| 354 | | | 8" / 3" Dia Process Cooling Water Supply Pipe Tee | EA | 1 |
| 355 | | | 8" / 4" Dia Process Cooling Water Supply Pipe Tee | EA | 18 |
| 356 | | | 8" / 6" Dia Process Cooling Water Supply Pipe Tee | EA | 1 |
| | | | **REDUCER** | | |
| 357 | | | 3" / 2" Dia Process Cooling Water Supply Pipe Reducer | EA | 1 |
| 358 | | | 4" / 2" Dia Process Cooling Water Supply Pipe Reducer | EA | 1 |
| | | | **PROCESS COOLING WATER RETURN PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | |
| 359 | | | 6" Dia Process Cooling Water Return Pipe | EA | 7 |
| 360 | | | 8" Dia Process Cooling Water Return Pipe | EA | 18 |
| | | | **PROCESS COOLING WATER RETURN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 361 | | | 6" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 5 |
| 362 | | | 8" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 2 |

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|---|---|---|---|---|---|
| | | | **TEE** | | |
| 363 | | | 8" / 6" Dia Process Cooling Water Return Pipe Tee | EA | 3 |
| | | | **PROCESS COOLING WATER RETURN PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **ASME B36.10, SCH 80 Black Steel Pipe With Fittings** | | |
| 364 | | | 1/2" Dia Process Cooling Water Return Pipe | EA | 4 |
| 365 | | | 1-1/2" Dia Process Cooling Water Return Pipe | EA | 16 |
| 366 | | | 2" Dia Process Cooling Water Return Pipe | EA | 10 |
| 367 | | | 3" Dia Process Cooling Water Return Pipe | EA | 1 |
| 368 | | | 4" Dia Process Cooling Water Return Pipe | EA | 19 |
| 369 | | | 6" Dia Process Cooling Water Return Pipe | EA | 14 |
| 370 | | | 8" Dia Process Cooling Water Return Pipe | EA | 67 |
| | | | **1" Thick Mineral Fiber Insulation** | | |
| 371 | | | 1/2" Dia Process Cooling Water Return Pipe | EA | 4 |
| 372 | | | 1-1/2" Dia Process Cooling Water Return Pipe | EA | 16 |
| 373 | | | 2" Dia Process Cooling Water Return Pipe | EA | 10 |
| 374 | | | 3" Dia Process Cooling Water Return Pipe | EA | 1 |
| 375 | | | 4" Dia Process Cooling Water Return Pipe | EA | 19 |
| 376 | | | 6" Dia Process Cooling Water Return Pipe | EA | 14 |
| 377 | | | 8" Dia Process Cooling Water Return Pipe | EA | 67 |
| | | | **PROCESS COOLING WATER RETURN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 378 | | | 1/2" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 3 |
| 379 | | | 1-1/2" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 11 |
| 380 | | | 2" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 10 |
| 381 | | | 3" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 1 |
| 382 | | | 4" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 1 |
| 383 | | | 6" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 12 |
| 384 | | | 8" Dia Process Cooling Water Return Pipe 90 Deg Elbow | EA | 26 |
| 385 | | | 2" Dia Process Cooling Water Return Pipe 45 Deg Elbow | EA | 2 |
| 386 | | | 6" Dia Process Cooling Water Return Pipe 45 Deg Elbow | EA | 6 |
| | | | **TEE** | | |
| 387 | | | 1-1/2" Dia Process Cooling Water Return Pipe Tee | EA | 2 |
| 388 | | | 2" Dia Process Cooling Water Return Pipe Tee | EA | 5 |
| 389 | | | 8" Dia Process Cooling Water Return Pipe Tee | EA | 3 |
| 390 | | | 8" / 1/2" Dia Process Cooling Water Return Pipe | EA | 2 |
| 391 | | | 8" / 1-1/2" Dia Process Cooling Water Return Pipe Tee | EA | 2 |
| 392 | | | 8" / 2" Dia Process Cooling Water Return Pipe Tee | EA | 2 |
| 393 | | | 8" / 3" Dia Process Cooling Water Return Pipe Tee | EA | 1 |
| 394 | | | 8" / 4" Dia Process Cooling Water Return Pipe Tee | EA | 16 |
| 395 | | | 8" / 6" Dia Process Cooling Water Return Pipe Tee | EA | 1 |
| | | | **REDUCER** | | |
| 396 | | | 3" / 2" Dia Process Cooling Water Return Pipe Reducer | EA | 1 |
| 397 | | | 4" / 2" Dia Process Cooling Water Return Pipe Reducer | EA | 1 |
| | | | **FUEL OIL SUPPLY PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | |
| 398 | | | 2" Dia Fuel Oil Supply Pipe | EA | 14 |
| | | | **FUEL OIL SUPPLY PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 399 | | | 2" Dia Fuel Oil Supply Pipe 90 Deg Elbow | EA | 13 |
| | | | **TEE** | | |
| 400 | | | 2" Dia Fuel Oil Supply Pipe Tee | EA | 4 |
| | | | **FUEL OIL SUPPLY PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | |
| 401 | | | 1" Dia Fuel Oil Supply Pipe | EA | 13 |
| 402 | | | 2" Dia Fuel Oil Supply Pipe | EA | 20 |
| | | | **FUEL OIL SUPPLY PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 403 | | | 1" Dia Fuel Oil Supply Pipe 90 Deg Elbow | EA | 14 |
| 404 | | | 2" Dia Fuel Oil Supply Pipe 90 Deg Elbow | EA | 42 |
| | | | **TEE** | | |
| 405 | | | 1" Dia Fuel Oil Supply Pipe Tee | EA | 2 |
| | | | **FUEL OIL RETURN PIPE (BELOW GRADE)** (Cut Length = 10 LF) | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | |
| 406 | | | 2" Dia Fuel Oil Return Pipe | EA | 10 |
| | | | **FUEL OIL SUPPLY PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 407 | | | 2" Dia Fuel Oil Return Pipe 90 Deg Elbow | EA | 10 |
| | | | **TEE** | | |
| 408 | | | 2" Dia Fuel Oil Return Pipe Tee | EA | 2 |
| | | | **FUEL OIL RETURN PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | |
| 409 | | | 1" Dia Fuel Oil Return Pipe | EA | 11 |
| 410 | | | 2" Dia Fuel Oil Return Pipe | EA | 20 |
| | | | **FUEL OIL RETURN PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 411 | | | 1" Dia Fuel Oil Return Pipe 90 Deg Elbow | EA | 13 |
| 412 | | | 2" Dia Fuel Oil Return Pipe 90 Deg Elbow | EA | 42 |
| | | | **TEE** | | |

# MATERIAL LIST

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 413 | | | 1" Dia Fuel Oil Return Pipe Tee | EA | 2 |
| 414 | | | 2" Dia Fuel Oil Return Pipe Tee | EA | 6 |
| | | | **FUEL OIL FILL PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **PN16 Carbon Steel Pipe With Socket Welded Fittings** | | |
| 415 | | | 4" Dia Fuel Oil Fill Pipe | EA | 10 |
| | | | **FUEL OIL FILL PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 416 | | | 4" Dia Fuel Oil Fill Pipe 90 Deg Elbow | EA | 11 |
| | | | **TEE** | | |
| 417 | | | 4" Dia Fuel Oil Fill Pipe Tee | EA | 2 |
| | | | **VENT PIPE (ABOVE GRADE)** (Cut Length = 10 LF) | | |
| | | | **SCH 80, PVC Pipe** | | |
| 418 | | | 3/4" Dia Vent Pipe | EA | 2 |
| | | | **AIR DEVICES** | | |
| 419 | | | SD-1: Supply Air Diffuser, TITUS OMNI, Face Size: 24"x24", Neck Size: 6" Dia | EA | 17 |
| 420 | | | SG-1: Supply Air Grille, TITUS 301FL, Face Size: 18"x12", Neck Size: 18"x12", | EA | 3 |
| 421 | | | SG-2: Supply Air Grille, TITUS 301FL, Face Size: 14"x14", Neck Size: 14"x14", | EA | 8 |
| 422 | | | SG-3: Supply Air Grille, TITUS 301FL, Face Size: 18"x18", Neck Size: 18"x18", | EA | 2 |
| 423 | | | SG-4: Supply Air Grille, TITUS ESD-635D, Face Size: 10"X6", Neck Size: 10"X | EA | 1 |
| 424 | | | SG-5: Supply Air Grille, TITUS 301FL, Face Size: 12"X10", Neck Size: 12"X10" | EA | 1 |
| 425 | | | EG-1: Exhaust Air Grille, TITUS PAR-AA, Face Size: 24"x24", Neck Size: 6"x6" | EA | 5 |
| | | | **DOAS** | | |
| 426 | | | DOAS-01: OXYGEN8 T09, ESP (IN.W.G.): 0.8, Air Flow (CFM): 810, Total Cap | EA | 1 |
| 427 | | | DOAS-02: OXYGEN8 T12, ESP (IN.W.G.): 0.8, Air Flow (CFM): 1030, Total Ca | EA | 1 |
| 428 | | | DOAS-03: OXYGEN8 T12, ESP (IN.W.G.): 0.8, Air Flow (CFM): 1030, Total Ca | EA | 1 |
| | | | **VRF INDOOR UNIT** | | |
| 429 | | | FCU-01: Fan Coil Unit, DAIKIN FXAQ09PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 430 | | | FCU-02: Fan Coil Unit, DAIKIN FXAQ09PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 431 | | | FCU-03: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 |
| 432 | | | FCU-04: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 |
| 433 | M-120A, M-120B, M-202, M-281, M520, M-570, M-804, M-900 & M-901 | | FCU-05: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 |
| 434 | | | FCU-06: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 |
| 435 | | | FCU-07: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 |
| 436 | | | FCU-08: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 |
| 437 | | | FCU-09: Fan Coil Unit, DAIKIN FXAQ18PVJU, Fan: ESP (IN.W.G.): 0, CFM: 5 | EA | 1 |
| 438 | | | FCU-10: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 439 | | | FCU-11: Fan Coil Unit, DAIKIN FXAQ18PVJU, Fan: ESP (IN.W.G.): 0, CFM: 5 | EA | 1 |
| 440 | | | FCU-12: Fan Coil Unit, DAIKIN FXAQ12PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 441 | | | FCU-13: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 442 | | | FCU-14: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 443 | | | FCU-15: Fan Coil Unit, DAIKIN FXAQ18PVJU, Fan: ESP (IN.W.G.): 0, CFM: 5 | EA | 1 |
| 444 | | | FCU-16: Fan Coil Unit, DAIKIN FXAQ09PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 445 | | | FCU-17: Fan Coil Unit, DAIKIN FXAQ24PVJU, Fan: ESP (IN.W.G.): 0, CFM: 6 | EA | 1 |
| 446 | | | FCU-18: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 447 | | | FCU-19: Fan Coil Unit, DAIKIN FXAQ07PVJU, Fan: ESP (IN.W.G.): 0, CFM: 2 | EA | 1 |
| 448 | | | FCU-20: Fan Coil Unit, DAIKIN FXMQ72MVJU, Fan: ESP (IN.W.G.): 0.95, CF | EA | 1 |
| 449 | | | FCU-21: Fan Coil Unit, DAIKIN FXMQ72MVJU, Fan: ESP (IN.W.G.): 0.95, CF | EA | 1 |
| | | | **VRF OUTDOOR UNIT** | | |
| 450 | | | CU-01: Outdoor Coil Unit, DAIKIN REYQ72, Nominal Tonnage: 6.00, Cooling C | EA | 1 |
| 451 | | | CU-02: Outdoor Coil Unit, DAIKIN REYQ72, Nominal Tonnage: 6.00, Cooling C | EA | 1 |
| 452 | | | CU-03: Outdoor Coil Unit, DAIKIN REYQ120, Nominal Tonnage: 10.00, Cooling | EA | 1 |
| 453 | | | CU-04: Outdoor Coil Unit, DAIKIN REYQ96, Nominal Tonnage: 8.00, Cooling C | EA | 1 |
| 454 | | | CU-05: Outdoor Coil Unit, DAIKIN REYQ96, Nominal Tonnage: 8.00, Cooling C | EA | 1 |
| 455 | | | CU-06: Outdoor Coil Unit, DAIKIN REYQ120, Nominal Tonnage: 10.00, Cooling | EA | 1 |
| 456 | | | CU-07: Outdoor Coil Unit, DAIKIN REYQ120, Nominal Tonnage: 10.00, Cooling | EA | 1 |
| 457 | | | CU-08: Outdoor Coil Unit, DAIKIN REYQ192, Nominal Tonnage: 16.00, Cooling | EA | 1 |
| | | | **VRF BRANCH SELECTOR** | | |
| 458 | | | BS-01: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 |
| 459 | | | BS-02: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 |
| 460 | | | BS-03: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 |
| 461 | | | BS-04: Branch Selector, DAIKIN BS8Q14AV1, Electrical: V/PH/HZ: 208/1/60, M | EA | 1 |
| | | | **HYDRONIC FAN COIL UNIT** | | |
| 462 | | | FCU-23: Fan Coil Unit, ENVIRO-TEC HLP-D, CFM: 700, MCA: 3.6, MOCP: 15 | EA | 1 |
| 463 | | | FCU-24: Fan Coil Unit, ENVIRO-TEC HLP-D, CFM: 700, MCA: 3.6, MOCP: 15 | EA | 1 |
| | | | **DX SPLIT FAN COIL UNIT** | | |
| 464 | | | FCU-22: Fan Coil Unit, Cooling Capacity: Total (BTU/H): 12,000, Sensible (MBH | EA | 1 |
| | | | **DX SPLIT CONDENSING UNIT** | | |
| 465 | | | CU-09: Condensing Unit, DAIKIN RK12BXVJU, Nominal Capacity (BTU/H): 12 | EA | 1 |
| | | | **COMPUTER ROOM AIR HANDLER** | | |

# MATERIAL LIST

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**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 466 | | | CRAH-01: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 |
| 467 | | | CRAH-02: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 |
| 468 | | | CRAH-03: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 |
| 469 | | | CRAH-04: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 |
| 470 | | | CRAH-05: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 |
| 471 | | | CRAH-06: Computer Room Air Handle, VERTIV CW060D, Airflow: 8950, ESP ( | EA | 1 |
| 472 | | | CRAH-07: Computer Room Air Handle, VERTIV CW041D, Airflow: 5550, ESP ( | EA | 1 |
| 473 | | | CRAH-08: Computer Room Air Handle, VERTIV CW041D, Airflow: 5550, ESP ( | EA | 1 |
| | | | **AIR COOLED CHILLER** | | |
| 474 | | | ACC-A: Air Cooled Chiller, TRANE ACR 275, Total Capacity (KW): 1456, GPM | EA | 1 |
| 475 | | | ACC-B: Air Cooled Chiller, TRANE ACR 275, Total Capacity (KW): 1456, GPM | EA | 1 |
| 476 | | | ACC-C: Air Cooled Chiller, TRANE ACR 275, Total Capacity (KW): 1456, GPM | EA | 1 |
| | | | **ABOVE GROUND STORAGE TANK W/ SUBMERSIBLE PUMP** | | |
| 477 | | | AST-A: Aboveground Storage Tank, HIGHLAND TANK, Volume (GAL): 15000 | EA | 1 |
| 478 | | | AST-B: Aboveground Storage Tank, HIGHLAND TANK, Volume (GAL): 15000 | EA | 1 |
| 479 | | | AST-C: Aboveground Storage Tank, HIGHLAND TANK, Volume (GAL): 15000 | EA | 1 |
| | | | **THERMAL STORAGE TANK** | | |
| 480 | | | TES-01: Thermal Storage Tank, Volume (GAL): 5000,Note: 1. Provide External In | EA | 1 |
| | | | **PROCESS WATER PUMP** | | |
| 481 | | | P-A: Process Water Pump, GRUNDFOS 40129VLS, GPM: 456.2, NPSHR (FT): 1 | EA | 1 |
| 482 | | | P-B: Process Water Pump, GRUNDFOS 40129VLS, GPM: 456.2, NPSHR (FT): 1 | EA | 1 |
| 483 | | | P-C: Process Water Pump, GRUNDFOS 40129VLS, GPM: 456.2, NPSHR (FT): 1 | EA | 1 |
| | | | **FUEL OIL RETURN PUMP** | | |
| 484 | | | FORP-A1: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 |
| 485 | | | FORP-A2: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 |
| 486 | | | FORP-B1: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 |
| 487 | | | FORP-B2: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 |
| 488 | | | FORP-C1: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 |
| 489 | | | FORP-C2: Fuel Oil Return Pump, SIMPLEX/SPS-25-RP, Flow Rate (GPM): 12.0 | EA | 1 |
| | | | **FUEL OIL POLISHER** | | |
| 490 | | | PO-01: Fuel Oil Polisher, SIMPLEX/SFG20C-A/4, Flow Rate (GPM): 20.00, Elec | EA | 1 |
| | | | **FUEL FILL STATION** | | |
| 491 | | | FFS-01: Fuel Fill Station, SIMPLEX/SPS3-3-IBP-E-2, Flow Rate (GPM): 300, Ele | EA | 1 |
| | | | **EXPANSION TANK** | | |
| 492 | | **Not Shown On Plan Assumed As Per Schedule** | ET-1: Expansion Tank, System Temp (F): Min Temp: 68, Max Temp: 86, Min Pre | EA | 1 |
| | | | **AIR & DIRT SEPARATOR** | | |
| 493 | | **Not Shown On Plan Assumed As Per Schedule** | AS-1: Air Separator, TACO AC08F-125, Flow Rate (CFM): 456.2, Max PD (PSI): | EA | 1 |
| | | | **LOUVER** | | |
| 494 | | | LV-01: GREENHECK ESD-635D, Airflow (CFM): 880, Size (WXH) (in): 22”x22 | EA | 1 |
| 495 | | | LV-02: GREENHECK ESD-635D, Airflow (CFM): 240, Size (WXH) (in): 14”x14 | EA | 1 |
| 496 | | | LV-03: GREENHECK ESD-635D, Airflow (CFM): 165, Size (WXH) (in): 12”x12 | EA | 1 |
| 497 | | | LV-04: GREENHECK ESD-635D, Airflow (CFM): 65, Size (WXH) (in): 10”x10” | EA | 1 |
| 498 | | | LV-05: GREENHECK ESD-635D, Airflow (CFM): 705, Size (WXH) (in): 28”x28 | EA | 1 |
| 499 | | | LV-06: GREENHECK ESD-635D, Airflow (CFM): 705, Size (WXH) (in): 28”x28 | EA | 1 |
| 500 | | | LV-07: GREENHECK ESD-635D, Airflow (CFM): 1030, Size (WXH) (in): 26”x2 | EA | 1 |
| 501 | | | LV-08: GREENHECK ESD-635D, Airflow (CFM): 1030, Size (WXH) (in): 26”x2 | EA | 1 |
| 502 | | | LV-09: GREENHECK ESD-635D, Airflow (CFM): 2060, Size (WXH) (in): 36”x3 | EA | 1 |
| | | | **FAN** | | |
| 503 | | | EF-1: Exhaust Fan, GREENHECK SQ-90-VG, Fan: Airflow (CFM): 240, ESP (IN | EA | 1 |
| 504 | | | EF-2: Exhaust Fan, GREENHECK SQ-60-VG, Fan: Airflow (CFM): 70, ESP (IN. | EA | 1 |
| 505 | | | EF-3: Exhaust Fan, GREENHECK SQ-70-VG, Fan: Airflow (CFM): 160, ESP (IN | EA | 1 |
| 506 | | | SF-01: Supply Fan, GREENHECK SQ-130HP-VG, Fan: Airflow (CFM): 705, ESI | EA | 1 |
| | | | **FILTER** | | |
| 507 | | | F-01: Filter, Airflows (CFM): 850, Filter Housing Size: 24"x12", Pressure Drop ( | EA | 1 |
| 508 | | | F-02: Filter, Airflows (CFM): 1030, Filter Housing Size: 24"x12", Pressure Drop | EA | 1 |
| 509 | | | F-03: Filter, Airflows (CFM): 1030, Filter Housing Size: 24"x12", Pressure Drop | EA | 1 |
| 510 | | | F-04: Filter, Airflows (CFM): 705, Filter Housing Size: 24"x12", Pressure Drop ( | EA | 1 |
| | | | **DAMPER** | | |
| 511 | | | 6" Dia Volume Damper | EA | 16 |
| 512 | | | 6"x6" Volume Damper | EA | 3 |
| 513 | | | 10"x6" Volume Damper | EA | 1 |
| 514 | | | 14"x14" Volume Damper | EA | 8 |
| 515 | | | 14"x12" Motorized Damper | EA | 1 |
| 516 | | | 14"x14" Motorized Damper | EA | 1 |
| 517 | | | 20"x10" Motorized Damper | EA | 1 |

# MATERIAL LIST

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

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**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 518 | | | CBD-01: Counterbalance Backdraft Damper, RUSKIN CBD2, Size (LXH) (IN): 3 | EA | 1 |
| 519 | | | CBD-02: Counterbalance Backdraft Damper, RUSKIN CBD2, Size (LXH) (IN): 2 | EA | 1 |
| | | | **DUCT WEIGHT** | | |
| 520 | | | Galvanized Sheet Metal Duct | LBS | 3237 |
| | | | **DUCT INSULATION** | | |
| 521 | | | 1-1/2" Thick Rigid Mineral-Fiber Board With All Service Jacket Insulation | SF | 2538 |
| | | | **MISCELLANEOUS** | | |
| 522 | | | 3/4" Dia Sock-O-Let (Welded) | EA | 11 |
| 523 | | | 3/4" Dia Hose Adapter | EA | 11 |
| 524 | | | 1" Dia Blank Flange | EA | 6 |
| 525 | | | 2" Dia Blank Flange | EA | 5 |
| 526 | | | 2" Dia Normal Tank Vent, MORRION UPDRAFT VENT MODE 354 | EA | 3 |
| 527 | | | 2" Dia Strainer | EA | 2 |
| 528 | | | 4" Dia Blank Flange | EA | 78 |
| 529 | | | 8" Dia Isolation Valve With Blind Flange | EA | 10 |
| 530 | | | 8" Dia Pipe Chiller Connection | EA | 4 |
| 531 | | | BMS-CP4-Chiller Manager Control Panel | EA | 1 |
| 532 | | | Metraflex, MLP FLEX FHOSE | EA | 1 |
| 533 | | | Sight Guage | EA | 2 |
| 534 | | | Humidistat | EA | 2 |
| 535 | | | Refrigerant Branch Piping Kit | EA | 3 |
| 536 | | | Thermostat | EA | 25 |
| 537 | | **Schedule Not Given** | ATG-A: Automatic Tank Guage | EA | 1 |
| 538 | | | ATG-B: Automatic Tank Guage | EA | 1 |
| 539 | | | ATG-C: Automatic Tank Guage | EA | 1 |
| 540 | | | FOCP-A: Foil Oil Control Panel | EA | 1 |
| 541 | | | FOCP-B: Foil Oil Control Panel | EA | 1 |
| 542 | | | FOCP-C: Foil Oil Control Panel | EA | 1 |
| | | | **VALVES** | | |
| 543 | | | 1/2" Dia Isolation Valve | EA | 4 |
| 544 | | | 1" Dia Isolation Valve | EA | 14 |
| 545 | | | 1-1/2" Dia Isolation Valve | EA | 4 |
| 546 | | | 2" Dia Isolation Valve | EA | 21 |
| 547 | | | 4" Dia Isolation Valve | EA | 11 |
| 548 | | | 6" Dia Isolation Valve | EA | 20 |
| 549 | | | 8" Dia Isolation Valve | EA | 5 |
| 550 | | | 1/2" Dia Two-Way Modulating Control Valve | EA | 6 |
| 551 | | | 1" Dia Two-Way Modulating Control Valve | EA | 2 |
| 552 | | | 1-1/2" Dia Two-Way Modulating Control Valve | EA | 2 |
| 553 | | | 2" Dia Two-Way Modulating Control Valve | EA | 11 |
| 554 | | | 4" Dia Two-Way Modulating Control Valve | EA | 3 |
| 555 | | | 1" Dia Discharge Motorized Valve | EA | 6 |
| 556 | | | 4" Dia Discharge Motorized Valve | EA | 3 |
| 557 | | | 4" Dia Motorized Bypass Valve | EA | 2 |
| 558 | | | 6" Dia Motorized Bypass Valve | EA | 1 |
| 559 | | | 6" Dia Tes Motorized Recharge Valve | EA | 5 |
| 560 | | | 8" Dia Tes Motorized Recharge Valve | EA | 8 |
| 561 | | | 6" Dia Tes Motorized Valve | EA | 7 |
| 562 | | | 8" Dia Tes Motorized Valve | EA | 1 |
| 563 | | | 1" Dia Drain Valve | EA | 76 |
| 564 | | | 2" Dia Check Valve | EA | 1 |
| 565 | | | 4" Dia Check Valve | EA | 45 |
| 566 | | | 1/2" Dia Pressure Reducing Valve | EA | 10 |
| 567 | | | 3/4" Dia Socket Weld Ball Valve | EA | 11 |
| 568 | | | 4" Dia Lug Type Isolation Valve | EA | 38 |
| 569 | | | 8" Dia Lug Type Isolation Valve | EA | 2 |
| | | | **PIPE SUPPORT** | | |
| 570 | | | 3/8" Dia Adjustable Clevis Hanger | EA | 127 |
| 571 | | | 1/2" Dia Adjustable Clevis Hanger | EA | 137 |
| 572 | | | 5/8" Dia Adjustable Clevis Hanger | EA | 81 |
| 573 | | | 3/4" Dia Adjustable Clevis Hanger | EA | 95 |
| 574 | | | 7/8" Dia Adjustable Clevis Hanger | EA | 50 |
| 575 | | | 1-1/8" Dia Adjustable Clevis Hanger | EA | 31 |
| 576 | | | 4" Dia Adjustable Clevis Hanger | EA | 21 |
| 577 | | | 8" Dia Adjustable Clevis Hanger With (2) Pre-Stretched Cable | EA | 1 |
| 578 | | | 8" Dia Adjustable Clevis Hanger | EA | 156 |
| 579 | | | 8" Dia U-Bolt Clevis Hanger | EA | 17 |
| 580 | | | 3/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA | 603 |

# MATERIAL LIST

**Prepared for:** Parakeet LUA Warehouse, Southside Road, St. David's Island, Bermuda
**Project ID:** 20112025
**Scope:** MEP

USA ESTIMATORS
+1 (214) 556-2605

**Date:** 6-Oct-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 581 | | | 1/2" Dia Threaded Rod (1 Each = 1 Feet) | EA | 21 |
| 582 | | | 5/8" Dia Threaded Rod With Stiffener(1 Each = 1 Feet) | EA | 1 |
| 583 | | | 5/8" Dia Threaded Rod (1 Each = 1 Feet) | EA | 166 |
| 584 | | | 4″ × 4″ × 1/4″ Thick Pipe Stanchion | EA | 7 |
| | | | | | |
| | | | **UTILITIES** | | |
| | | | **FIRE PROTECTION PIPE (Cut Length = 10 LF)** | | |
| | | | **PVC C-900 Pipe** | | |
| 585 | | | 4" Dia Fire Protection Pipe | EA | 64 |
| 586 | | | 8" Dia Fire Protection Pipe | EA | 129 |
| | | | **FIRE PROTECTION PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 587 | | | 4" Dia Fire Protection Pipe 45 Deg Elbow | EA | 14 |
| 588 | | | 8" Dia Fire Protection Pipe 45 Deg Elbow | EA | 16 |
| | | | **TEE** | | |
| 589 | | | 8" Dia Fire Protection Pipe Tee | EA | 5 |
| | | | **FIRE HYDRANT (Cut Length = 10 LF)** | | |
| 590 | | Schedule Not Given | FH-1: Fire Hydrant | EA | 1 |
| 591 | | | FH-2: Fire Hydrant | EA | 1 |
| 592 | | | FH-3: Fire Hydrant | EA | 1 |
| 593 | | | FH-4: Fire Hydrant | EA | 1 |
| | | | **DOMESTIC WATER PIPE (Cut Length = 10 LF)** | | |
| | | | **SCH 40 PVC Pipe W/ Fittings** | | |
| 594 | | | 2-1/2" Dia Domestic Water Pipe | EA | 10 |
| | | | **DOMESTIC WATER PIPE FITTINGS** | | |
| | | | **ELBOW** | | |
| 595 | | | 2-1/2" Dia Domestic Water Pipe 90 Deg Elbow | EA | 2 |
| 596 | | | 2-1/2" Dia Domestic Water Pipe 22-1/2 Deg Elbow | EA | 1 |
| 597 | | | 2-1/2" Dia Domestic Water Pipe 45 Deg Elbow | EA | 2 |
| | | | **SANITARY PIPE (Cut Length = 10 LF)** | | |
| | | | **SDR PIPE** | | |
| 598 | FP-100, C230 & C-241 | | 4" Dia Sanitary Pipe | EA | 31 |
| | | | **TANK OVERFLOW PIPE (Cut Length = 10 LF)** | | |
| | | | **HDPE Pipe** | | |
| 599 | | | 12" Dia Tank Overflow Pipe | EA | 11 |
| | | | **STORM WATER PIPE (Cut Length = 10 LF)** | | |
| | | | HDPE Pipe | | |
| 600 | | | 15" Dia Storm Water Pipe | EA | 89 |
| 601 | | | 18" Dia Storm Water Pipe | EA | 27 |
| 602 | | | 24" Dia Storm Water Pipe | EA | 5 |
| | | | **MISCELLANEOUS** | | |
| 603 | | | 2-1/2" Dia Domestic Water Meter & Backflow Assembly | EA | 1 |
| 604 | | | Trench Drain (1EA = 38 FT) | EA | 1 |
| | | | **CLEANOUTS & DRAINS** | | |
| 605 | | | 4" Dia Cleanout | EA | 2 |
| | | | **VALVE** | | |
| 606 | | | 8" Dia Isolation Valve | EA | 13 |
| | | | **PVC COUPLING** | | |
| 607 | | | 2-1/2" Dia | EA | 10 |
| 608 | | | 4" Dia | EA | 66 |
| 609 | | | 8" Dia | EA | 129 |
| | | | **TRENCHING & BACKFILLING** | | |
| 610 | | | Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT | 5404 |
| | | | **TRENCHING & BACKFILLING** | | |
| 611 | | | Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Ma | CFT | 10977 |