

# Example Estimate



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**Project Title:** 21 Fairfield Ave | Res-  
**Client:** AAA Construction LLC

| SR                   | DESCRIPTION  | QTY | WASTAGE | QTY WITH WASTAGE | UNIT | UNIT COST | MATERIAL COST | MANHOURS UNIT RATE | MANHOURS | MANHOURS COST | TOTAL TRADE COST |
|----------------------|--|-----|---------|------------------|------|-----------|---------------|--------------------|----------|---------------|------------------|
| <b>HVAC ESTIMATE</b> |  |     |         |                  |      |           |               |                    |          |               |                  |
| <b>AIR DEVICES</b>   |  |     |         |                  |      |           |               |                    |          |               |                  |
| 1                    | 6" Dia CO, Ceiling Diffuser, Manufacturer Titus, Model #TMS-AA, Face Size 24"x24", Type 3, Neck Size 6" Dia, SO CFM.   |     | 0%      |                  | EA   |           | \$            | \$115              |          | \$            | \$               |
| 2                    | 6" Dia CD Ceiling Diffuser, Manufacturer Titus, Model #TMS-AA, Face Size 24"x24", Type 3, Neck Size 6" Dia, 100 CFM.   | 5   | 0%      |                  | EA   |           | \$            | \$115              |          | \$            | \$               |
| 3                    | 8" Dia CD Ceiling Diffuser, Manufacturer Titus, Model #TMS-AA, Face Size 24"x24", Type 3, Neck Size 8" Dia, 125 CFM.   |     | 0%      |                  | EA   |           |               | 115                |          |               |                  |
| 4                    | 8" Dia CD Ceiling Diffuser, Manufacturer Titus, Model #TMS-AA, Face Size 24"x24", Type 3, Neck Size 8" Dia, 150 CFM.   | 4   | 0%      | 4                | EA   |           |               | 115                |          |               |                  |
|                      | 10" Dia CD Ceiling Diffuser, Manufacturer Titus, Model #TMS-AA, Face Size 24"x24", Type 3, Neck Size 6" Dia, 225 CFM.  | 4   | 0%      | 4                | EA   |           |               | 115                |          |               |                  |
| 6                    | 10" Dia CD Ceiling Diffuser, Manufacturer Titus, Model #TMS-AA, Face Size 24"x24", Type 3, Neck Size 10" Dia, 250 CFM. | 7   | 0%      | 7                | EA   |           |               | 115                |          |               |                  |
| 7                    | 10" Dia CD Ceiling Diffuser, Manufacturer Titus, Model #TMS-AA, Face Size 24"x24", Type 3, Neck Size 10" Dia, 350 CFM. | 3   | 0%      |                  | EA   |           | \$            | \$115              |          | \$            | \$               |
| 8                    | 10"x6" SR, Sidewall Register, Manufacturer Titus, Model# 272FS, White  |     | 0%      |                  | EA   |           | \$            | \$115              |          | \$            | \$               |

|              |   |    |    |    |    |    |       |  |    |    |  |
|--------------|---|----|----|----|----|----|-------|--|----|----|--|
|              | Finish, Neck Size 10"x6",<br>100 CFM.   |    |    |    |    |    |       |  |    |    |  |
| 9            | 12"x6" SR, Sidewall<br>Register, Manufacturer<br>Titus, Model# 272FS, White<br><br>Finish, Neck Size 12"x6",<br>150 CFM.          |    | 0% |    | EA | \$ | \$115 |  | \$ | \$ |  |
| 10           | 16"x6" SR, Sidewall<br>Register, Manufacturer<br>Titus, Model# 272FS, White<br><br>Finish, Neck Size 16"x6",<br>300 CFM.          | 17 | 0% | 17 | EA | \$ | \$115 |  | \$ | \$ |  |
| 11           | 20"x6" SR, Sidewall<br>Register, Manufacturer<br>Titus, Model# 272FS, White<br><br>Finish, Neck Size 20"x6",<br>300 CFM.          | 6  | 0% | 6  | EA |    | 115   |  |    |    |  |
| 12           | 12"x22" RG, Return Grille,<br>Manufacturer Titus, Model#<br>50F, White Finish,<br><br>Neck Size 12"x22".                          | 6  | 0% |    | EA |    | 115   |  |    |    |  |
| 13           | 22"x22" RG, Return Grille,<br>Manufacturer Titus, Model#<br>SOF, White Finish,<br><br>Neck Size 22"x22".                          |    | 0% | 5  | EA |    | 115   |  |    |    |  |
| 14           | 14"x14" EG, Exhaust Grille,<br>Manufacturer Titus, Model#<br>50F, White<br><br>Finish, Neck Size 14"x14",<br>400 CFM.             |    | 0% |    | EA | \$ | 115   |  | \$ |    |  |
| 15           | 14"x14" EG, Exhaust Grille,<br>Manufacturer Titus, Model#<br>SOF, White<br><br>Finish, Neck Size 14"x14",<br>500 CFM.             |    | 0% |    | EA | \$ | \$115 |  | \$ | \$ |  |
| 16           | 24"x24" EG, Exhaust Grille,<br>Manufacturer Titus, Model#<br>50F, White<br><br>Finish, Neck Size 24"x24",<br>400 CFM.             |    | 0% |    | EA | \$ | \$115 |  | \$ | \$ |  |
| 17           | 8" Dia LCD, linear Slot<br>Diffuser, Manufacturer<br>Titus, Model# ML-39, 2<br>Slots, Neck Size 8" Dia, 150<br>CFM.               |    | 0% | 6  | EA | \$ | \$115 |  | \$ | \$ |  |
| 18           | 12"x10" LSR, linear Slot<br>Return, Manufacturer Titus,<br>Model# MPI-39, 4<br>Slots, 1" Slot Size, Neck<br>Size 8" Dia, 150 CFM. |    | 0% | 2  | EA | \$ | \$115 |  | \$ | \$ |  |
|              |   |    |    |    |    |    |       |  |    |    |  |
| ROOFTOP UNIT |   |    |    |    |    |    |       |  |    |    |  |
|              |   |    |    |    |    |    |       |  |    |    |  |
|              | RTU-1: 3000 CFM, 2.75<br>HP, 460V, 3PH, TRANE<br>#THC092F4RKA, Provide  |    | 0% |    | EA |    | 115   |  |    |    |  |

|   |  |  |    |  |    |    |  |       |    |    |  |
|---|--|--|----|--|----|----|--|-------|----|----|--|
|   | Unit With Economizer And Power Exhaust Fan.  |  | 0% |  | EA |    |  | 115   |    |    |  |
|   | RTU-2: 1200 CFM, 1.0 HP, 460V, 3PH, TRANE #T2C036E4REA, Provide Unit With Economizer And Power Exhaust Fan.  |  | 0% |  | EA |    |  | 115   |    |    |  |
|   | RTU-3: 2450 CFM, 2.7S HP, 460V, 3PH, TRANE #THC092F4RKA, Provide Unit With Economizer And Power Exhaust Fan.   |  | 0% |  | EA | \$ |  | 115   | \$ | \$ |  |
| 4   | RTU-4: 2450 CFM, 2.75 HP, 460V, 3PH, TRANE #THC092F4RKA, Provide Unit With Economizer And Power Exhaust Fan.   |  | 0% |  | EA | \$ |  | \$115 | \$ | \$ |  |
|   | RTU-5: 1300 CFM, 1.0 HP, 460V, 3PH, TRANE #THC048F4REA, Provide Unit With Economizer And Power Exhaust Fan.  |  | 0% |  | EA | \$ |  | \$115 | \$ | \$ |  |
| 6   | RTU-6: 2400 CFM, 2.75 HP, 460V, 3PH, TRANE #THC0744F4RGA, Provide Unit With Economizer And Power Exhaust Fan.  |  | 0% |  | EA | \$ |  | \$115 | \$ | \$ |  |
|   |  |  |    |  |    |    |  |       |    |    |  |
| VARIABLE AIR VOLUME SINGLE DUCT TERMINAL UNIT |  |  |    |  |    |    |  |       |    |    |  |
|   | VVT-1, VCEF (Electric Heating), 8" Primary Inlet, 900 CFM, 277V/1PH, Provide Factory-mounted and pre-programmed, pressure-independent, BACnet DOC Controller With Airflow Measurement And Wireless Communication Reciever. Provide With Wireless Zone Temperature Sensor. Provide With Factory-Wired Discharge Air Temperature Sensor, Unit Mtd. Control Power Transformer, Disconnect And Power Fuse. |  | 0% |  | EA |    |  | 115   |    |    |  |



[illegible]

|                             |   |    |    |    |    |  |  |       |  |  |  |
|-----------------------------|---|----|----|----|----|--|--|-------|--|--|--|
|                             | Mechanical Contractor Will Install Low-Ambient Kits Provided With Units.<br><br>Provide And Install Thycurb Or Equal Roof Runner Supports For Condensing Unit.)                                       |    | 0% |    | EA |  |  | 115   |  |  |  |
|                             |   |    |    |    |    |  |  |       |  |  |  |
| <b>EXHAUST FAN</b>          |   |    |    |    |    |  |  |       |  |  |  |
|                             | EF-1, 24 LBS, 900 CFM, RPM 1187, Direct, 1/4 HP, 115V, 1 PH, COOK<br>#ACED-120C15D, Starters By Electrical Contractor.<br>Provide With Spring Hanging Isolator Kit.<br>Provide With 7-Day Time Clock. |    | 0% |    | EA |  |  | \$115 |  |  |  |
| 2                           | EF-2, 45 LBS, 900 CFM, RPM 1187, Direct, 1/4 HP, 115V, 1 PH, COOK<br>#ACED-120C15D, Starters By Electrical Contractor.<br>Provide With Spring Hanging Isolator Kit.<br>Provide With 7-Day Time Clock. |    | 0% |    | EA |  |  | 115   |  |  |  |
| 3                           | EF-3, 200 CFM, RPM 1055, Direct, 58W, 115V, 1 PH, COOK #ACED-90D1SDM, Starters By Electrical Contractor.<br>Provide With Spring Hanging Isolator Kit.<br>Provide With 7-Day Time Clock.               |    | 0% |    | EA |  |  | \$115 |  |  |  |
|                             |   |    |    |    |    |  |  |       |  |  |  |
| <b>DUCT SMOKE DETECTOR</b>  |   |    |    |    |    |  |  |       |  |  |  |
|                             | Duct Mounted Smoke Detector   |    | 0% | 4  | EA |  |  | 115   |  |  |  |
|                             |   |    |    |    |    |  |  |       |  |  |  |
| <b>MANUAL VOLUME DAMPER</b> |   |    |    |    |    |  |  |       |  |  |  |
|                             | 6" Dia Manual Volume Damper   | 6  | 0% | 6  | EA |  |  | 115   |  |  |  |
| 2                           | 8" Dia Manual Volume Damper   | 11 | 0% | 11 | EA |  |  | 115   |  |  |  |
| 3                           | 8"x6" Manual Volume Damper  |    | 0% |    | EA |  |  | 115   |  |  |  |
| 4                           | 10" Dia Manual Volume Damper  | 13 | 0% | 13 | EA |  |  | 115   |  |  |  |
|                             | 12" Dia Manual Volume Damper  |    | 0% |    | EA |  |  | 115   |  |  |  |
| 6                           | 12"x10" Manual Volume Damper  |    | 0% |    | EA |  |  | 115   |  |  |  |
| 7                           | 12"x12" Manual Volume Damper  |    | 0% |    | EA |  |  | 115   |  |  |  |
| 8                           | 14" Dia Manual Volume Damper  |    | 0% |    | EA |  |  | 115   |  |  |  |
| 9                           | 16" Dia Manual Volume Damper  |    | 0% |    | EA |  |  | 115   |  |  |  |

|                         |  |  |    |   |    |  |  |     |  |  |  |
|-------------------------|--|--|----|---|----|--|--|-----|--|--|--|
| 10                      | 16"x14" Manual Volume Damper   |  | 0% |   | EA |  |  | 115 |  |  |  |
| 11                      | 18" Dia Manual Volume Damper   |  | 0% |   | EA |  |  | 115 |  |  |  |
| 12                      | 20"x14" Manual Volume Damper   |  | 0% |   | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |
| <b>BACKDRAFT DAMPER</b> |  |  |    |   |    |  |  |     |  |  |  |
|                         | 1 18" Dia Back Draft Damper  |  | 0% |   | EA |  |  | 115 |  |  |  |
|                         | 2 14"x14" Back Draft Damper  |  | 0% |   | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |
| <b>THERMOSTAT</b>       |  |  |    |   |    |  |  |     |  |  |  |
|                         | 1 !Thermostat  |  | 0% | 5 | EA |  |  | 115 |  |  |  |
|                         | 2 RTU Programmable Thermostat  |  | 0% | 6 | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |
| <b>PUMP</b>             |  |  |    |   |    |  |  |     |  |  |  |
|                         | 1 IWall Mounted Condensate Drain Pump                                      |  | 0% |   | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |
| <b>LOUVER</b>           |  |  |    |   |    |  |  |     |  |  |  |
|                         | 1 12"x12" Door Intake Louver   |  | 0% |   | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |
| <b>CLEANOUT</b>         |  |  |    |   |    |  |  |     |  |  |  |
|                         | 1 11" Dia Cleanout   |  | 0% | 6 | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |
| <b>BIRD SCREEN</b>      |  |  |    |   |    |  |  |     |  |  |  |
|                         | 1 18" Dia Bird Screen  |  | 0% |   | EA |  |  | 115 |  |  |  |
|                         | 2 14"x14" Bird Screen  |  | 0% |   | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |
| <b>MISC.</b>            |  |  |    |   |    |  |  |     |  |  |  |
|                         | 1" Dia Cloth Wire Mesh   |  | 0% | 4 | EA |  |  | 115 |  |  |  |
|                         | VAC Audio/Visual Alarm (AV), Firex Model# 5925C And Step Down Transformer. |  | 0% | 4 | EA |  |  | 115 |  |  |  |
|                         |  |  |    |   |    |  |  |     |  |  |  |

|   |                                  |     |     |     |     |  |    |       |  |    |    |
|---|----------------------------------|-----|-----|-----|-----|--|----|-------|--|----|----|
| <b>CONDENSATE DRAIN PIPE</b>            |                                  |     |     |     |     |  |    |       |  |    |    |
| Type "L" Copper                         |                                  |     |     |     |     |  |    |       |  |    |    |
| 1                                       | 3/4" Dia Condensate Drain Pipe   | 31  |     | 34  | LFT |  | \$ | \$115 |  | \$ | \$ |
|   | 1" Dia Condensate Drain Pipe     | 297 |     | 327 | LFT |  | \$ | \$115 |  | \$ | \$ |
| 3                                       | 1-1/2" Dia Condensate Drain Pipe | 6   |     |     | LFT |  | \$ | \$115 |  | \$ | \$ |
|   |                                  |     |     |     |     |  |    |       |  |    |    |
| <b>CONDENSATE DRAIN PIPE INSULATION</b> |                                  |     |     |     |     |  |    |       |  |    |    |
| 1" Thick ARMAFLEX                       |                                  |     |     |     |     |  |    |       |  |    |    |
| 1                                       | 3/4" Dia Condensate Drain Pipe   | 31  | 10% | 34  | LFT |  | \$ | \$115 |  | \$ | \$ |

|   |   |      |     |      |     |  |    |       |  |    |    |
|---|---|------|-----|------|-----|--|----|-------|--|----|----|
|   | 1" Dia Condensate Drain Pipe  | 297  | 10% | 327  | LFT |  | \$ | \$115 |  | \$ | \$ |
| 3 | 1-1/2" Dia Condensate Drain Pipe  | 6    | 10% |      | LFT |  | \$ | \$115 |  | \$ | \$ |
|   |   |      |     |      |     |  |    |       |  |    |    |
|   | CONDENSATE DRAIN PIPE FITTING   |      |     |      |     |  |    |       |  |    |    |
|   | ELBOW   |      |     |      |     |  |    |       |  |    |    |
|   | 3/4" Dia Condensate Drain 90 Elbow  | 4    |     | 4    | EA  |  | \$ | \$115 |  | \$ | \$ |
|   | 1" Dia Condensate Drain 90 Elbow  | 13   |     | 13   | EA  |  | \$ | \$115 |  | \$ | \$ |
| 3 | 1" Dia Condensate Drain 45 Elbow  | 12   |     | 12   | EA  |  | \$ | \$115 |  | \$ | \$ |
|   |   |      |     |      |     |  |    |       |  |    |    |
|   | TEE   |      |     |      |     |  |    |       |  |    |    |
|   | 1" Dia Condensate Drain Tee   | 11   | 0%  | 11   | EA  |  | \$ | \$115 |  | \$ | \$ |
|   | 1-1/2"x1" Dia Condensate Drain Tee  |      | 0%  |      | EA  |  | \$ | \$115 |  | \$ | \$ |
|   |   |      |     |      |     |  |    |       |  |    |    |
|   | REFRIGERANT PIPE  |      |     |      |     |  |    |       |  |    |    |
|   | Type "L" Copper   |      |     |      |     |  |    |       |  |    |    |
| 1 | 3/8" Dia Refrigerant Liquid Line  | 30   | 0%  | 33   | LFT |  | \$ | \$115 |  | \$ | \$ |
|   | 5/8" Dia Refrigerant Suction Line   | 30   | 0%  | 33   | LFT |  | \$ | \$115 |  | \$ | \$ |
|   |   |      |     |      |     |  |    |       |  |    |    |
|   | REFRIGERANT PIPE INSULATION   |      |     |      |     |  |    |       |  |    |    |
|   | 1" Thick ARMAFLEX   |      |     |      |     |  |    |       |  |    |    |
| 1 | 3/8" Dia Refrigerant Liquid Line  | 30   | 0%  | 33   | LFT |  | \$ | \$115 |  | \$ | \$ |
|   | 5/8" Dia Refrigerant Suction Line   | 30   | 0%  | 33   | LFT |  | \$ | \$115 |  | \$ | \$ |
|   |   |      |     |      |     |  |    |       |  |    |    |
|   | REFRIGERANT PIPE FITTINGS   |      |     |      |     |  |    |       |  |    |    |
|   | ELBOWS  |      |     |      |     |  |    |       |  |    |    |
|   | 1 3/8" Dia Refrigerant Liquid Line 90 Degree Elbow  | 6    |     | 6    | EA  |  | \$ | \$115 |  | \$ | \$ |
|   | 2 5/8" Dia Refrigerant Suction Line 90 Degree Elbow   | 6    |     | 6    | EA  |  | \$ | \$115 |  | \$ | \$ |
|   | 1   |      |     |      |     |  |    |       |  |    |    |
|   | DUCT LINER  |      |     |      |     |  |    |       |  |    |    |
|   | 1 11" Thick, Fiberglass Duct Liner  | 3860 | 0%  | 3860 | SF  |  | \$ | \$115 |  | \$ | \$ |
|   |   |      |     |      |     |  |    |       |  |    |    |
|   | DUCT INSULATION   |      |     |      |     |  |    |       |  |    |    |
| 1 | 2" Thick, 0.75 PCF Density, Foil-Scrim-Kraft Faced Seal All Joints And Breaks In The Vapor Barrier. | 8300 | 0%  | 8300 | SF  |  | \$ | \$115 |  | \$ | \$ |
|   | 1   |      |     |      |     |  |    |       |  |    |    |
|   | DUCT WEIGHT   |      |     |      |     |  |    |       |  |    |    |
|   | 1 Galvanized Steel Duct Weight  | 9636 | 0%  | 9636 | LB  |  |    | 115   |  |    |    |
|   |   |      |     |      |     |  |    |       |  |    |    |
|   | PIPE SUPPORT  |      |     |      |     |  |    |       |  |    |    |
|   | 1 11" Dia Carbon, Adjustable Clevis Hanger  | 35   | 0%  | 35   | EA  |  |    | 115   |  |    |    |
|   | 2 3/8" Dia Full Threaded Rod  | 35   | 0%  | 35   | EA  |  |    | 115   |  |    |    |



|                      |   |     |    |     |    |  |  |     |    |  |
|----------------------|---|-----|----|-----|----|--|--|-----|----|--|
|                      |   |     |    |     |    |  |  |     |    |  |
| <b>DUCT SUPPORT</b>  |   |     |    |     |    |  |  |     |    |  |
|                      | 3/8" Threaded Rod   | 204 | 0% | 204 | EA |  |  | 115 |    |  |
| 2                    | 1" x 22 Ga. Strap   | 102 | 0% | 102 | EA |  |  | 115 |    |  |
| 3                    | 2" x 18 Ga. Band Clamp  | 204 | 0% | 204 | EA |  |  | 115 |    |  |
|                      |   |     |    |     |    |  |  |     |    |  |
| TOTAL MATERIAL COST  |   |     |    |     |    |  |  | \$  |    |  |
| TOTAL MANHOURS' COST |   |     |    |     |    |  |  | \$  |    |  |
| TOTAL COST           |   |     |    |     |    |  |  | \$  |    |  |
| OVERHEADS & PROFIT   |   |     |    |     |    |  |  | 25% | \$ |  |
| TOTAL BID            |   |     |    |     |    |  |  | \$  |    |  |
| SCOPE OF ESTIMATE:   |   |     |    |     |    |  |  |     |    |  |
| 1                    | SUPPLY & INSTALLATION   |     |    |     |    |  |  |     |    |  |
|                      | Supply & Return Air Duct w/ Fittings  |     |    |     |    |  |  |     |    |  |
|                      | Exhaust Air Duct w/ Fittings  |     |    |     |    |  |  |     |    |  |
| 3                    | Flexible Duct   |     |    |     |    |  |  |     |    |  |
| 4                    | Air Devices   |     |    |     |    |  |  |     |    |  |
| 5                    | Roof Top Unit   |     |    |     |    |  |  |     |    |  |
| 6                    | Variable Air Volume Single Duct Terminal Unit   |     |    |     |    |  |  |     |    |  |
| 7                    | Air Handling Unit   |     |    |     |    |  |  |     |    |  |
| 8                    | Air Cooled Condensing Unit  |     |    |     |    |  |  |     |    |  |
| 9                    | Exhaust Fan   |     |    |     |    |  |  |     |    |  |
| 10                   | Volume/Backdraft Dampers  |     |    |     |    |  |  |     |    |  |
| 11                   | Smoke Detectors   |     |    |     |    |  |  |     |    |  |
| 12                   | Condensate Drain Pipe w/ Fittings   |     |    |     |    |  |  |     |    |  |
| 13                   | Refrigerant Pipe  |     |    |     |    |  |  |     |    |  |
| 14                   | Duct Insulation   |     |    |     |    |  |  |     |    |  |
| 15                   | Duct Support  |     |    |     |    |  |  |     |    |  |
|                      |   |     |    |     |    |  |  |     |    |  |
|                      | NOTES   |     |    |     |    |  |  |     |    |  |
|                      | Detail Of ACCU Was Given As Tag ACCU-4, But In Plans It was Mentioned As ACCU-1, So we Assumed As Same. |     |    |     |    |  |  |     |    |  |