Example Estimate Perfect Estimator



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

	Client:		AAA C	onstruction	ILLC						
SR				QTY WITH WASTAGE		UNIT COST		MANHOURS UNIT RATE	MANHOURS	MANHOUR S COST	TOTAL TRADE
	DESCRIPTION	QTY	WASTAGE	WAGTAGE	UNIT	0031	L 0031	ONII KAIL		3 0031	COST
	HVAC ESTIMATE										
AIF	DEVICES										
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", 100 CFM.								
9	12"x6" SR, Sidewall Register, Manufacturer Titus, Model# 272FS, White Finish, Neck Size 12"x6", 150 CFM.		0%		EA	\$	\$115	\$	\$
10	16"x6" SR, Sidewall Register, Manufacturer Titus, Model# 272FS, White Finish, Neck Size 16"x6", 300 CFM.	17	0%	17	EA	↔	\$115	\$	\$
11	20"x6" SR, Sidewall Register, Manufacturer Titus, Model# 272FS, White Finish, Neck Size 20"x6", 300 CFM.	6	0%	6	EA		115		
12	12"x22" RG, Return Grille, Manufacturer Titus, Model# 50F, White Finish, Neck Size 12"x22".	6	0%		EA		115		
13	22"x22" RG, Return Grille, Manufacturer Titus, Model# SOF, White Finish, Neck Size 22"x22".		0%	5	EA		115		
	14"x14" EG, Exhaust Grille, Manufacturer Titus, Model# 50F, White Finish, Neck Size 14"x14", 400 CFM.		0%		EA	\$	115	\$	
15	14"x14" EG, Exhaust Grille, Manufacturer Titus, Model# SOF, White Finish, Neck Size 14"x14", 500 CFM.		0%		EA	\$	\$115	\$	\$
16	24"x24" EG, Exhaust Grille, Manufacturer Titus, Model# 50F, White Finish, Neck Size 24"x24", 400 CFM.		0%		EA	\$	\$115	\$	\$
17	8" Dia LCD, linear Slot Diffuser, Manufacturer Titus, Model# ML-39, 2 Slots, Neck Size 8" Dia, 150 CFM.		0%	6	EA	\$	\$115	\$	\$
18	12"x10" LSR, linear Slot Return, Manufacturer Titus, Model# MPI-39, 4 Slots, 1" Slot Size, Neck Size 8" Dia, 150 CFM.		0%	2	EA	\$	\$115	\$	\$
D.C	OCTOR UNIT								
KU	RTU-1: 3000 CFM, 2.75 HP, 460V, 3PH, TRANE #THC092F4RKA, Provide		በ%		FΔ		115		

		 V /U		1		ı i	ı	ī
	Unit With Economizer And Power Exhaust Fan.							
	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		\$	\$
V.	NIALDE AIN VOLUME							
	NGLE DUCT TERMINAL							
	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.				115			
		0%	EA					

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VVT-2, VCEF (Electric Heating), 8" Primary Inlet, 700 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%	EΑ	₩	\$115	₩	\$
VVT-3, VCEF (Electric Heating), 6" Primary Inlet, 375 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		
VVT-4, VCEF (Electric Heating), 5" Primary Inlet, 350 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,						

I	Unit Mtd. Control Power						1
	Transformer, Disconnect And Power Fuse.						
		0%	EA		115		
	VVT-5, VCEF (Electric						
	Heating), 5" Primary Inlet, 250 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		
AIR	HANDLING UNIT						
	AHU-J., .:,u Lil::>, ISUU tr1v1, i.:SUV/ .L, IVII 1						
	::>UI:)I:::,H1 ffN I						
	,11,vv:::,1:SU.I-U.Li.A,						
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory						
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing	0%	EΑ		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line	0%	EA		115		
AIR	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To	0%	EA		115		
AIR UN	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COOLED CONDENSING T ACCU-1, 2.5 Ton, 150 LBS,	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COULED CONDENSING IT ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COULED CONDENSING IT ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COOLED CONDENSING IT ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI #NTXSST30A112A, Provide And Install Hard- Start Kit With Condensing	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COOLED CONDENSING IT ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI #NTXSST30A112A, Provide And Install Hard- Start Kit With Condensing Unit. Provide And Install Liquid Line Solenoid Valve	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COOLED CONDENSING T ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI #NTXSST30A112A, Provide And Install Hard- Start Kit With Condensing Unit. Provide And Install Liquid Line Solenoid Valve With Condensing Unit.	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COOLED CONDENSING IT ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI #NTXSST30A112A, Provide And Install Hard- Start Kit With Condensing Unit. Provide And Install Liquid Line Solenoid Valve With Condensing Unit. Provide And Install Head Pressure Control Wiht	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COOLED CONDENSING T ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI #NTXSST30A112A, Provide And Install Hard- Start Kit With Condensing Unit. Provide And Install Liquid Line Solenoid Valve With Condensing Unit. Provide And Install Head Pressure Control Wiht Condensing Unit. Provide	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COULED CONDENSING T ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI #NTXSST30A112A, Provide And Install Hard- Start Kit With Condensing Unit. Provide And Install Liquid Line Solenoid Valve With Condensing Unit. Provide And Install Head Pressure Control Wiht Condensing Unit. Provide And Install Sight Glass At Indoor And Outdoor Unit,	0%	EA		115		
	,11,vv:::,1:SU.I-U.Li.A, Provide With Factory Thermostat. Interlock With Associated Condensing Unit. Verify Refrigerant Line Sizes With Manufacturer Prior To COULED CONDENSING T ACCU-1, 2.5 Ton, 150 LBS, 230V/3, MITSUBISHI #NTXSST30A112A, Provide And Install Hard- Start Kit With Condensing Unit. Provide And Install Liquid Line Solenoid Valve With Condensing Unit. Provide And Install Head Pressure Control Wiht Condensing Unit. Provide And Install Sight Glass At	0%	EA		115		

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	Mechanical Contractor Will Install Low-Ambient Kits Provided With Units. Provide And Install Thycurb Or Equal Roof Runner Supports For Condensing Unit.)		0%		ΕA			445		
\vdash			0%		EA			115		
EVI	HAUST FAN									
	EF-1, 24 LBS, 900 CFM, RPM 1187, Direct, 1/4 HP, 115V, 1 PH, COOK									
	#ACED-120C15D, Starters By Electrical Contractor. Provide With Spring Hanging Isolator Kit. Provide With 7-Day Time Clock.		0%		EA			\$115		
	EF-2, 45 LBS, 900 CFM, RPM 1187, Direct, 1/4 HP, 115V, 1 PH, COOK #ACED-120C15D, Starters									
2	By Electrical Contractor. Provide With Spring Hanging Isolator Kit. Provide With 7-Day Time Clock.		0%		EA			115		
	EF-3, 200 CFM, RPM 1055, Direct, 58W, 115V, 1 PH, COOK #ACED-									
3	90D1SDM, Starters By Electrical Contractor. Provide With Spring Hanging Isolator Kit. Provide With 7-Day Time Clock.		0%		EA			\$115		
DU	CT SMOKE DETECTOR									
	Duct Mounted Smoke Detect	tor	0%	4	EA			115		
	NUAL VOLUME DAMPER									
	6" Dia Manual Volume Damper	6	0%	6	EA			115		
2	8" Dia Manual Volume Damper	11	0%	11	EA			115		
	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		
	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		
DACKDDAFT DAMBED								
BACKDRAFT DAMPER		70						
1 18" Dia Back Draft Damper		20		EA		115		
2 14"x14" Back Draft Damper		, o		EA		115		
THERMOSTAT								
1 !Thermostat		70	5	EA		115		
2 RTU Programmable		70	6	EA		115		
Thermostat			Ů					
PUMP								
1 IWall Mounted Condensate Drain Pump		76		EA		115		
LOUVER								
1								
1 12"x12" Door Intake Louver		76		EA		115		
CLEANOUT								
1 11" Dia Cleanout		70	6	EA		115		
BIRD SCREEN								
1 18" Dia Bird Screen		70		EA		115		
2 14"x14" Bird Screen		76		EA		115		
MISC.								
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		
CONDENSATE DRAIN PIPE								
Typre "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	\$	\$
CONDENSATE DRAIN PIPE								
INSULATION 1" Thick ARMAFLEX								
3/4" Dia Condensate Drain	6.1	4007	0.4		Ф		d.	d
Pipe	31	10%	34	LFT	\$	\$115	\$	\$

	1" Dia Condensate Drain	297	10%	327	LFT	\$	\$115	\$	\$
	Pipe 1-1/2" Dia Condensate	291	10%	321	LFI	Þ	\$113	Þ	Þ
3	Drain Pipe	6	10%		LFT	\$	\$115	\$	\$
C.O	NDENSATE DRAIN PIPE								
FIT	TING								
ELI	BOW								
	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	\$	\$
TEI			170						
	1" Dia Condensate Drain Tee	11	770	11	EA	\$	\$115	\$	\$
	1-1/2"xl" Dia Condensate Drain Tee		170		EA	\$	\$115	\$	\$
	FRIGERANT PIPE								
Тур	pe "L" Copper		.0%						
1	3/8" Dia Refrigerant Liquid Line	30	.U70	33	LFT	\$	\$115	\$	\$
	5/8" Dia Refrigerant Suction Line	30		33	LFT	\$	\$115	\$	\$
RE	FRIGERANT PIPE								
INS	III ATION								
1" 7	Thick ARMAFLEX		1170						
1	3/8" Dia Refrigerant Liquid Line	30	.076	33	LFT	\$	\$115	\$	\$
	5/8" Dia Refrigerant Suction Line	30	.076	33	LFT	\$	\$115	\$	\$
	FRIGERANT PIPE								
	TINGS								
	Bows								
	3/8 Dia Kerrigerant Liquid ine 90 Degree Flbow	6		6	EA	\$	\$115	\$	\$
2	5/8" Dia RefrigerantSuction ine 90 Degree Flbow	6		6	EA	\$	\$115	\$	\$
	1								
DU	CT LINER								Ī
	11" Thick, Fiberglass Duct iner	3860	J70	3860	SF	\$	\$115	\$	\$
DU	CT INSULATION								
4	2" Thick, 0.75 PCF Density, Foil-Scrim-Kraft Faced	8300	0%	8300	SF	\$	\$115	\$	\$
1	Seal All Joints And Breaks In The Vapor Barrier.	3300	570		<u> </u>	*	Ψ113	 *	*
	1								
1	CT WEIGHT								
	Voight	9636	0%	9636	LB		115		
PIP	E SUPPORT								
Т	TT Dia Carbon, Adjustable	35	0%	35	EA		115		ĺ
2	Clevis Hanger 3/8" Dia Full Threaded Rod	35	0%	35	EA		115		
	0/0 Dia i uli Tilleaueu Nuu	33	U /0	30	EA		113		

UCT SUPPORT									
3/8" Threaded Rod	204	0%	204	EA		1	1.5		
2 1" x 22 Ga. Strap	102	0%	102	EA			15	+	
3 2" x 18 Ga. Band Clamp	204	0%	204	EA			15		
					•	TOTAL N	ATERIAL COS	Т\$	<u></u>
							NHOURS' COS		
							TOTAL COS		
					OVE	RHEADS & PROF		\$	
							TOTAL BI		
SCOPE OF ESTIMATE:							101712 011		
I SUPPLY & INSTALLATIO	N								
Supply & Return Air Duct									
Exhaust Air Duct w/ Fitting									
3 Flexible Duct									
4 Air Devices									
201.000									
5 Roof Top Unit									
	Duct Terr	minal Unit							
6 Variable Air Volume Single	Duct Terr	minal Unit							
6 Variable Air Volume Single7 Air Handling Unit		minal Unit							
6 Variable Air Volume Single7 Air Handling Unit8 Air Cooled Condensing Unit		minal Unit							
6 Variable Air Volume Single7 Air Handling Unit8 Air Cooled Condensing Unit9 Exhaust Fan	nit	minal Unit							
6 Variable Air Volume Single 7 Air Handling Unit 8 Air Cooled Condensing Un 9 Exhaust Fan 10 Volume/Backdraft Damper	nit	minal Unit							
6 Variable Air Volume Single 7 Air Handling Unit 8 Air Cooled Condensing Un 9 Exhaust Fan 10 Volume/Backdraft Damper 11 Smoke Detectors 12 Condensate Drain Pipe w/	nit	minal Unit							
6 Variable Air Volume Single 7 Air Handling Unit 8 Air Cooled Condensing Un 9 Exhaust Fan 10 Volume/Backdraft Damper 11 Smoke Detectors 12 Condensate Drain Pipe w/ 13 Refrigerant Pipe	nit	minal Unit							
5 Roof Top Unit 6 Variable Air Volume Single 7 Air Handling Unit 8 Air Cooled Condensing Uni 9 Exhaust Fan 10 Volume/Backdraft Damper 11 Smoke Detectors 12 Condensate Drain Pipe w/ 13 Refrigerant Pipe 14 Duct Insulation 15 Duct Support	nit	minal Unit							

Detail Of ACCU Was Given As Tag ACCU-4, But In Plans It was Mentioned As ACCU-1, So we Assumed As Same.