

Item	Description	Units	Quantity	Material	Labor	Total
Construction Cost Estimate						
A	MECHANICAL					
	AREA					
	Basement	SF	5,800			
	First	SF	5,800			
	Second	SF	3,900			
	Third	SF	1,200			
	Total		16,700	SF		
1	Demolition					
	Remove Basement Air Handling Unit	Ea	1	\$0.00	\$2,500.00	\$2,500.00
	Remove Existing Split AC Units	Ea	12	\$0.00	\$1,000.00	\$12,000.00
	Remove Fan Coil Units	Ea	12	\$0.00	\$1,000.00	\$12,000.00
	Remove Main Pumps	Ea	2	\$0.00	\$250.00	\$500.00
	Remove Oil Boiler and Piping	Ea	1	\$0.00	\$10,000.00	\$10,000.00
	Remove Oil Tank (Allownace)	Ea	1	\$0.00	\$20,000.00	\$20,000.00
	Subtotal Demolition					\$57,000.00
				Cost/SF	\$3.41	
2	General Construction Work					
	Cutting and Patching	Ls	16,700	\$2.00	\$1.00	\$50,100.00
	Painting	SF	16,700	\$1.00	\$0.50	\$25,050.00
	Misc General Construction	Ls	1	\$10,000.00	\$5,000.00	\$15,000.00
	Subtotal General Construction Work					\$90,150.00
				Cost/SF	\$5.40	
3	New VRF Heat Pump					
	Refrigerant Piping	Ton	28	\$1,500.00	\$500.00	\$56,000.00
	Exterior Pipe Covers	Ls	28	\$1,000.00	\$500.00	\$42,000.00
	Indoor Fan Coil Units	Ea	28	\$1,500.00	\$750.00	\$63,000.00
	Outdoor Heat Pumps	Tons	40	\$3,000.00	\$2,000.00	\$200,000.00
	VRF Controls	Sf	16,350	\$3.00	\$2.00	\$81,750.00
	New VRF Heat Pump Sub Total					\$442,750.00
				Cost/SF	\$26.51	
4	Condensate Drainage System					
	Condensate Piping	Ea	35	\$250.00	\$150.00	\$14,000.00
	Insulation	Ea	35	\$100.00	\$150.00	\$8,750.00
	Condensate Drainage System					\$22,750.00
				Cost/SF	\$1.36	
5	Electric Back-up Heat					
	Cabinet Heaters	ea	14	\$1,500.00	\$500.00	\$28,000.00
	Relays	Ea	14	\$150.00	\$100.00	\$3,500.00
	Controls	Ea	14	\$150.00	\$150.00	\$4,200.00
	Electric Back-up Heat Sub Total					\$35,700.00
				Cost/SF	\$2.14	
6	New Heat Recovery Units					
	1000 CFM HRU	Ea	1	\$15,000.00	\$2,500.00	\$17,500.00
	1500 CFM HRU	Ea	1	\$20,000.00	\$3,000.00	\$23,000.00
	Ductwork	Tons	6	\$5,000.00	\$2,500.00	\$45,000.00
	Heating Coil	Ls	2	\$1,500.00	\$750.00	\$4,500.00
	Controls	Ea	2	\$5,000.00	\$2,000.00	\$14,000.00
	New HRU Total					\$104,000.00
				Cost/SF	\$6.23	

