

HVAC MECHANICAL ESTIMATE -- BOYET JUNIOR HIGH SCHOOL

TASK	DESCRIPTION	EQUIPMENT		LABOR		MATERIAL		REMARKS
		DESCRIPTION	\$, TOTAL	CREW	TOTAL LABOR HOURS	\$, TOTAL	DESCRIPTION	
Demolition	Demolition, air handling unit "A" (15 ton in trusses, 30 ft above grade)	Manlift	\$420	3 sht. mtl.	24	\$1,440		Approximately 30 feet above grade
	Demolition, air handling unit "B" (15 ton in trusses, 30 ft above grade)	Manlift	\$420	3 sht. mtl.	24	\$1,440		Approximately 30 feet above grade
	Demolition, condenser "A", on grade	Forklift	\$210	2 sht. mtl.	6	\$240		Demolish exist. condenser
	Demolition, condenser "B" on grade	Forklift	\$210	2 sht. mtl.	6	\$240		Demolish exist. condenser
	Demolition, air handling unit (3 ton fan coil in gym)	Scaffolding	\$100	2 sht. mtl.	3	\$120		
	Demolition, condensing unit (3 ton gym roof)	Forklift	\$120	2 sht. mtl.	3	\$120		
	Demolition, Ductless Mini-Split (1.5 ton Food Services @ Entrance)	Ladder	\$0	2 sht. mtl.	4	\$160		Demolish exist. Fan coil unit
Structural	Structural Steel	Crane	\$9,000		12	\$720	4 each W10x22 Support Beams & Columns	\$14,285
	Column Penetrations & Protective covering for roof						Penetrations and Protective Covering	\$9,500
Electrical	RTU#1	Ladder	\$0		18	\$1,079	Materials	\$3,864
	RTU#2	Scaffolding	\$200		84	\$5,076	Materials	\$9,832
	AHU#1	Scaffolding	\$200		56	\$3,368	Materials	\$2,859
	AHU#2	Scaffolding	\$200		35	\$2,095	Materials	\$2,070
	Mini-Split	Ladder	\$0		17	\$1,047	Materials	\$1,657
Construction	Install 15 ton packaged RTU#1 on roof	Crane	\$3,000	2 sht. mtl.	20	\$1,000	15 Ton packaged DX unit, 208-3 phase, No Heat	\$19,200
	Install 15 ton packaged RTU#2 on roof	Crane	\$3,000	2 sht. mtl.	20	\$1,000	15 Ton packaged DX unit, 208-3 phase, No Heat	\$19,200
	Ductwork for "RTU#1"	Manlift	\$210	3 sht. mtl.	18	\$990	20" x 40" duct	\$7,050
	Ductwork for "RTU#2"	Manlift	\$210	3 sht. mtl.	18	\$990	20" x 40" duct	\$7,050
	Duct insulation, interior liner, both units	Manlift	\$210	2 sht. mtl.	4	\$220	Duct insulation, 600 Sq. Ft.	\$560
	Install S/A & R/A grilles in upper wall - both 15 ton units	Manlift	\$210	2 sht. mtl.	16	\$960	Sidewall registers w/ adjustable vanes	\$820
	Fabricate & install ductwork for 4 ton split DX air handling unit	Scaffolding	\$200	2 sht. mtl.	40	\$1,600	Fabricate & install 16" x 16" metal duct, 50 ft. long	\$300
	Fabricate & install ductwork for 4 ton split DX air handling unit	Scaffolding	\$200	2 sht. mtl.	40	\$1,600	Fabricate & install 16" x 16" metal duct, 50 ft. long	\$300
	Install 4 ton split DX AHU #1	Scaffolding	\$100	2 sht. mtl.	12	\$600	4 Ton split system DX	\$4,500
	Install 4 ton split DX AHU #2	Scaffolding	\$100	2 sht. mtl.	12	\$600	4 Ton split system DX	\$4,500
	Install ductwork for 4 ton split DX	Scaffolding	\$200	2 sht. mtl.	40	\$2,000	16" x 16" metal duct, 50 ft. long	\$300
	Install ductwork for 4 ton split DX	Scaffolding	\$200	2 sht. mtl.	40	\$2,000	16" x 16" metal duct, 50 ft. long	\$300
	Duct insulation, liner	Ladder	\$0	2 sht. mtl.	12	\$600	Duct insulation, 300 Sq. Ft.	\$420
	Duct insulation, liner	Ladder	\$0	2 sht. mtl.	12	\$600	Duct insulation, 300 Sq. Ft.	\$420
	S/A and R/A grilles for 4 ton DX unit	Ladder	\$0	1 sht. mtl.	8	\$400	16" x 10" registers	\$390
	S/A and R/A grilles for 4 ton DX unit	Ladder	\$0	1 sht. mtl.	8	\$400	16" x 10" registers	\$390
	30,000 BTUH mini-split system with ceiling cassette for front entry lobby	Ladder	\$0	2 sht. mtl.	24	\$1,200	30,000 BTUH mini-split	\$4,650
	18,000 BTUH mini-split system for area adjacent to front entry lobby	Ladder	\$0	2 sht. mtl.	16	\$800	18,000 BTUH mini-split	\$2,700
	16" side wall exhaust fan, 1500 CFM	Ladder	\$0	1 elect, 1 sht. mtl.	16	\$800	16" side wall exhaust fan	\$650
	Grille balancing	Ladder	\$0	1 sht. mtl.	6	\$300	Air balance	\$0

Equipment Subtotal (\$) : \$18,920 Labor Subtotal (\$) : \$35,805 Material Subtotal (\$) : \$117,766

Overall Subtotal:	172,491	Equipment, labor & material
Mobilization and demobilization	5,000	
Height/difficulty factor:	3,000	
Administartion:	630	
Contingency (20%):	34,498	
Permits & Fees (3%):	5,175	
Bond (3%):	5,175	
Tax (9%):	15,524	
Total:	\$241,494	