



BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS

YPS Paideia School 15 HVAC Upgrades
MEP Probable Cost
December 17, 2021

HVAC		
Location	Description/Size/Quantity	Cost
Site	Temporary Chiller package (incl. pumps, transformer, hose, cable & fittings, labor, delivery & return) Total (2 months)	\$ 55,000.00
Basement	Replace (3) chiller pumps with (2) new chiller pumps	\$ 50,000.00
	New chilled water piping from basement to rooftop chiller packages	\$ 40,000.00
	New chilled water expansion tank	\$ 1,500.00
	Provide HWH with controls	\$ 50,000.00
	GC work (concrete pads, floor painting)	\$ 20,000.00
	Total (+10%)	\$ 177,650.00
First Floor	Replace (2) UV's	\$ 55,000.00
	Remove existing condensate connection to (10) UV's and add new individual drains to each	\$ 40,000.00
	Refurbish AHU	\$ 5,000.00
	Replace (2) FCU's	\$ 50,000.00
	Refurbish (2) UV's	\$ 10,000.00
	GC work (UV louvers, casework, floors & walls, cutting & patching)	\$ 10,000.00
Total (+10%)	\$ 187,000.00	
Second Floor	Replace (1) FCU	\$ 25,000.00
	Refurbish (4) FCU's	\$ 20,000.00
	GC work (cutting & patching)	\$ 2,000.00
	Total (+10%)	\$ 51,700.00
Third Floor	Refurbish (1) FCU's	\$ 15,000.00
	Refurbish (4) UV's	\$ 20,000.00
	Ductwork & registers for ventilation	\$ 10,000.00
	GC work (cutting & patching, ceiling work)	\$ 29,000.00
	Total (+10%)	\$ 81,400.00
Roof	Rooftop chiller package (x6)	\$ 457,800.00
	Rooftop ERU	\$ 50,000.00
	GC work	\$ 10,000.00
	Chiller support rails (structural work)	\$ 20,000.00
	Total (+10%)	\$ 591,580.00
Entire Building	Convert existing Andover controls to Eco-Building platform and tie-in new units (EMF)	\$ 20,000.00
	Retrocommissioning	\$ 20,000.00
	Total (+10%)	\$ 44,000.00
Electrical		
Location	Description/Size/Quantity	Cost
Site	Temporary Chiller Power	\$ 40,000.00
Roof	Power for new Chillers at 208V-Feeder	\$ 100,000.00
Roof	Alterations of the Existing Lightning Protection Grid	\$ 7,000.00
Roof	ERU wiring, conduit, and circuit breaker	\$ 2,500.00
	Total (+10%)	\$ 164,450.00
	TOTAL	\$ 1,352,780.00