

Minuteman Regional Vocational Technical School

List of Recommendations



Item	Item of Work	Comments
L1	AAB compliance: Improvements to front entrance (concrete ramps, railings, etc.)	Required by AAB cost trigger
L2	AAB compliance: to fields (stone dust paths)	Required by AAB cost trigger
L3	AAB compliance: Parking improvements around building	Required by AAB cost trigger
L4	Replace tennis courts (new asphalt and court surfacing)	
L5	New back stop wire fabric at backstops	
L6	Concession Stand improvements (roof and siding)	
L7	New asphalt parking	
L8	Athletic field underdrainage	
L9	Resurfacing of the track (new asphalt and surface)	
L10	New Granite Curbing	

L11	New Entrance sign and planting	
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	ARCHITECTURAL	
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Item	Item of Work	Comments
A1	Replace fire doors at stair enclosures	IEBC
A2	Guardrail height and infill at stairs	IEBC
A3	Guardrail height at balconies	IEBC
A4	Elevator accessibility - Main Lobby Passenger: fixtures and controls	IEBC
A5	Replace Acoustical Ceilings	Necessary with New Fire Protection Installation
A6	New student toilet rooms	Required by AAB cost trigger
A7	Replace all interior door leaves	Recommended when hardware is replaced
A8	Renovate existing toilet rooms for staff and storage	Required by AAB cost trigger
A9	Replace all interior door hardware	Required by AAB cost trigger
A10	Cafeteria toilet rooms	Required by AAB cost trigger
A11	Elevator accessibility - (2 locations) Freight Elevators: fixtures and controls	Required by AAB cost trigger
A12	Accessible signage	Required by AAB cost trigger
A13	Modify lab casework	casework not included
A14	Public restrooms at automotive	Required by AAB cost trigger
A15	Modify toilets at new Nurse office	Required by AAB cost trigger

A16	Roof Replacement (includes skylights, infill at stairs, roof edge, and scuppers)	Priority concern
A17	Replace Existing and Additional New Exterior Windows	Daylighting for Classrooms
A18	Replace exterior entrance/exits	Security and thermal efficiency
A19	Elevator upgrades - (2 locations) Freight Elevators: pumps and controllers, Electrical and HVAC	
A20	Repoint exterior sealants	Weather protection
A21	Elevator upgrades - Main Lobby Passenger: pump and controller, Electrical and HVAC	
A22	Elevator upgrade - (2 locations) Freight Elevators: cab replacements	
A23	Elevator upgrades - Main Lobby Passenger: cab replacement	
A24	Penthouse wall replacement	Recommended when roof replaced
A25	Green roof	Recommended when roof replaced
	HVAC	
Item	Item of Work	Comments
H1	Modify Ductwork/Add Equipment for Modified Room Layouts	Modifications for code required upgrades
H2	Modify/Increase Ventilation in Pool Filter Room	Protect steel reinforcement
H3	Modify Chiller Plant Control Scheme for Energy Savings	
H4	Modify Boiler Plant Control Scheme for Energy Savings	

H5	Replace HVAC Equipment in Penthouses add Energy Recovery & DDC Control	Priority for energy efficiency and cost savings
H6	Add Pool Dehumidifier	
H7	Replace Woodshop Dust Collector/Fan	
H8	Add Back-Up Pump for DHW	
H9	Replace Copper Fin Tube in Pool	
H10	Replace All Pneumatic Control Valves w/ new DDC	
H11	Interlock Vocational Area Exhaust Fans w/ AHU's including new controls for EF's	
H12	Replace Fume Hoods with Variable Speed Hoods	

FIRE PROTECTION

Item	Item of Work	Comments
FP-1	Install Check Valve in Carpentry Water Supply	
FP-2	Provide Standpipes & Sprinklers Throughout Building	Required by Fire Code cost/scope trigger

PLUMBING

Item	Item of Work	Comments
P-1	Replace Copper Water Piping and Valves	

P-2	Update Acid Waste Sys., Central Neutralization, Accessible Work Station	Required for AAB compliance
P-3	Accessible Plumbing Fixtures	Required for AAB compliance
P-4	Remove unused gas equipment & upgrade remaining, accessible work station	Required for AAB compliance
P-5	Replace Lavatories	Required for AAB compliance
P-6	Replace Showers & Floor Drains	
P-7	Replace Roof Drains	
P-8	Accessible Emergency Showers With Tempred Water	Required for AAB compliance
P-9	Replace Mop Receptors & Janitor Sinks - Backflow Protection	
P-10	Replace Kitchen Floor Drains	
P-11	Replace Electric Water Coolers	
P-12	Replace Locker Room Floor Drains, Rod and Clean Piping	
P-13	Add Interior Grease Interceptors	
P-14	Upgrade Generator Propane Tank	
P-15	Kitchen Exhaust Hood Manual Gas Reset	
P-16	Segregate Kitchen Waste Piping, Provide Exterior Grease Trap	
	STRUCTURAL	

Item	Item of Work	Comments
S1	Cracks in concrete floor slab on grade	
S2	Cracks and spalls in the concrete floor slab in natatorium	
S3	Deteriorated metal form deck under concrete between pool and surge tank.	
S4	Cracks and spalls in the natatorium concrete bleachers	
S5	Numerous cracks in interior masonry block partition walls inserts	
S6	Water and growth of vegetation has damaged exterior brick walls of boiler rm building and above boiler rm building.	
S7	Load-bearing masonry block walls are cracked and displaced	
S8	Minor cracking of exterior brick walls.	
S9	Roof framing expansion joints	
S10	Failed or missing joint sealant in exterior brick walls.	
S11	Deteriorated closure plates on base of Cor-Ten siding	
S12	Provide new bracing or moment resisting frames in longitudinal direction	Refer to Seismic Study
S13	Provide new bracing or moment resisting frames for load path deficiencies	Refer to Seismic Study
S14	Seismic bracing of MEP equipment	Refer to Seismic Study
S15	Provide bracing and anchorage of heavy architectural components	Refer to Seismic Study

S16	Provide out of plane bracing for unreinforced masonry partition walls within the building.	Refer to Seismic Study
S17	Correct deficiencies in the building expansion joints	Refer to Seismic Study
S18	Rebuild and/or strengthen deficient portions of the unreinforced masonry walls at the stair towers	Refer to Seismic Study
S19	No sliding movements of structural frame members observed at either building roof framing expansion joints.	Refer to Seismic Study

ELECTRICAL

Item	Item of Work	Comments
E-1	Fire alarm system	
E-2	Interior Lighting and controls, excluding cafeteria, gymnasium, shop area which have been upgraded in 2009.	Replace with ceiling replacement and Fire Protection installation. There are little to no automated lighting controls which would be rebateable and conserve energy.
E-3	Stand-by Generator	Sized for required life safety, freeze protection, I.T. loads, ejector pumps and refrigeration
E-4	Electrical distribution system	This includes all secondary distribution and new feeders, existing main switchboard to remain.
E-5	Wiring devices	Receptacles for computers and A/V equipment, etc.
E-6	Exterior Lighting	

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TELECOMMUNICATIONS

Item	Item of Work	Comments
T-1	Classroom intercom and wireless master clock system	
T-2	Communications wiring and backbone	

SECURITY

Item	Item of Work	Comments
SEC-1	Integrated CCTV and access control exterior doors and partition interior	
SEC-2	intrusion system	

AUDIO VISUAL

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Item	Item of Work	Comments
AV-1	Classroom A/V	
AV-2	Assembly spaces local sound systems	
HAZARDOUS MATERIALS		

Item	Item of Work	Comments
H1	Abate ACM flooring (VAT and linoleum)	
H2	Abate creosol flooring (wood)	
H3	Light fixture tubes	
H4	Transite Tabletops / countertops	
H5	Fume Hoods	
H6	Window Caulking	
H7	Oil Storage Tanks	
H8	Building Flashing	Not Roof Flashing
H9	Transite Pipe	Below grade
H10	Duct Sealant	