August 2, 2019

CYNTHIA P. MORRISON CIRCUIT COURT CLERK

2019 AUG -2 PH 3: 15

Via Hand Delivery
Cynthia P. Morrison, Clerk
Portsmouth Circuit Court
Attn: Civil Division
1345 Court Street
Portsmouth, VA 23704

Re: Michael A. Moore, Sheriff of the City of Portsmouth v. City of Portsmouth Petition for Issuance of Rule to Show Cause

Dear Ms. Morrison:

Enclosed please find an original Cover Sheet for Filing Civil Actions and an original and one (1) copy of a Petition and Order for Rule to Show Cause, which I ask that you file on behalf of the Petitioner in the above-referenced matter.

Please present the Order for Rule to Show Cause to a Judge for his signature and show cause hearing date, then kindly prepare the Petition and signed Order for service on the Respondent at the address listed therein.

I am enclosing my firm's check in the amount of \$103.00 payable to the Clerk of Court to cover the cost of filing the Petition and the fee for service on the Respondent through the Sheriff's Department.

Thank you in advance for your assistance in this regard. I remain.

Jon M. Babineau

Very truly yours

JMB/cp

Enclosures

cc: Michael A. Moore, Sheriff

19-0049

VIRGINIA: IN THE CIRCUIT COURT FOR THE CITY OF PORTSMOUTH

MICHAEL A. MOORE, SHERIFF OF THE CITY OF PORTSMOUTH

Petitioner,

.<

Case No.: L-19-3403

CITY OF PORTSMOUTH,

SERVE: Solomon H. Ashby, Jr.
City Attorney
801 Crawford Street
Portsmouth, Virginia 23704

Respondent.

PETITION FOR ISSUANCE OF RULE TO SHOW CAUSE PURSUANT TO CODE OF VIRGINIA §53.1-71

Court to issue a Rule to Show Cause against the City of Portsmouth pursuant to Portsmouth, and upon his oath duly taken, does hereby move this Honorable Code of Virginia §53.1-71, and in support thereof states as follows: COMES NOW the Petitioner, Michael A. Moore, Sheriff of the City of

- the City of Portsmouth, Virginia. That the Petitioner, Michael A. Moore, is the duly elected Sheriff of
- Virginia §24.2-217 Virginia, Article VII, That the position of Sheriff is provided for in the Constitution of Section 4, and the Sheriff is elected pursuant to Code of
- operates the City jail located at 701 Crawford Street, Portsmouth, Virginia. That the Petitioner, Michael Ą Moore (hereinafter "Sheriff"),

- systems. responsible for the maintenance and upkeep of the building and its operating That the City 으 Portsmouth, the local governing body, S
- perform any maintenance and upkeep on the jail for many years, allowing for it to deteriorate That the City of Portsmouth has willfully and negligently failed ರ
- inhabitants. (See Condemnation Notice attached as "Exhibit 1") ordered condemnation and evacuation of the jail, pursuant to Section 106.4 of Virginia Maintenance That on July Code, 24, 2019, the City, without notice claiming that the building was unsafe ರ the Sheriff, ₽
- attached) and May 15, 2019 ("Exhibit 4" attached), specifically citing deteriorating and replacement of systems and other things in the jail. conditions reports dated at the jail and conditions requiring immediate maintenance, repairs That further, the City of Portsmouth has been in possession of April 17, 2019 ("Exhibit 2" attached), April 29, 2019 ("Exhibit 3"
- failed to provide any maintenance or repairs to the jail. That even with the aforesaid knowledge, the City of Portsmouth has
- jail was unsafe and in the need of immediate repair or replacement. of the Portsmouth Circuit Court, the City of Portsmouth engineer opined that the 9 That on July 25, 2019, in a hearing before Judge Johnnie Morrison
- (60) days. (See "Exhibit 5" attached). 10. That the Court ordered a stay in the condemnation action for sixty

must repair or erect a new jail if the existing jail cannot be made secure, put in good repair or rendered otherwise adequate. <u>;</u> That pursuant to Code of Virginia §53.1-71, the City of Portsmouth

Why §53.1-71, as amended. requiring the repair or Portsmouth, asks that a show cause be issued to the City of Portsmouth, as to a writ of mandamus should not be issued by the Portsmouth Circuit Court WHEREFORE, the Petitioner, Michael A. construction of a new jail, pursuant to Code of Virginia Moore, Sheriff of the City of

MICHAEL A. MOORE, SHERIFF OF THE CITY OF PORTSMOUTH

Of Counsel

Jon M. Babineau, Esquire
Virginia Bar No.: 27461
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Norfolk, Virginia 23510
Phone: (757) 622-8631 Fax: (757) 226-0621

jon@babineaulaw.com

[Petitioner's Oath on following page]

OATH TO PETITION FOR ISSUANCE OF RULE TO SHOW CAUSE

is true and correct to the best of my knowledge and belief. provided the information contained in the "Petition for Issuance of Rule to Show oath that I am the same Michael A. Moore, Sheriff of the City of Portsmouth, who Cause Pursuant to Code of Virginia § 53.1-71" and that the information provided I, Michael A. Moore, Sheriff of the City of Portsmouth, hereby state under

Michael A. Moore, Sheriff of the City of Portsmouth

STATE OF VIRGINIA
CITY/COUNTY OF No wit:

day of that the statements contained therein are true and correct to the best of his foregoing Oath to Petition for Issuance of Rule to Show Cause and made oath knowledge and belief before me in my said city/county this SHERIFF City/County and State aforesaid do hereby certify that MICHAEL A. MOORE, OF THE CITY 105 Nugu 51 OF PORTSMOUTH subscribed his name to the Babineau 2019. a notary public 3 and the

Notary Public

My commission expires: 2, 28

My notary registration number: 24494

COMMISSION NUMBER 244849

COVER SHEET FOR FILING CIVIL ACTIONS COMMONWEALTH OF VERGINIA

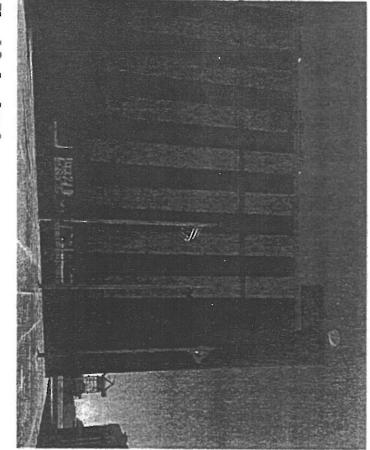
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	City of Portsmouth DEFENDANT(S)	Circuit Court

I, the undersigned [] plaintiff [] defendant [X] attorney for [X] plaintiff [] defendant hereby notify the Clerk of Court that I am filing the following civil action. (Please indicate by checking box that most closely identifies the claim being asserted or relief sought.)

Jon M. Babineau, PC, 109 East Main Street, Su Address/Telephone number of signator Norfolk, Virginia 23510, (757) 622-8631 jon@babineaulaw.com EMAIL ADDRESS OF SIGNATOR (OPTIONAL) FORM CC-1416 (MASTER) PAGE ONE 07/16	Jon M. Babineau, Esquire	08/02/2019	[] Damages in the amount of \$	[] Product Liability [] Wrongful Death [] Other General Tort Liability	Asbestos Litigation Compromise Settlement Medical Malpractice Medical Malpractice	[] Mechanics Lien [] Partition [] Quiet Title [] Termination of Mineral Rights Tort	Encumber/Sell Real Estate Briforce Vendor's Lien Escheatment Escheatment Britablish Boundaries Landlord/Tenant Landlord/Tenant	Property [] Annexation [] Condemnation [] Ejectment	[] Confessed Judgment [] Confract Action [] Contract Specific Performance [] Detinue [] Garnishment	[] Cross Claim [] Interpleader [] Reinstatement (other than divorce or driving privileges) [] Removal of Case to Federal Court Business & Contract	GENERAL CIVIL Subsequent Actions [] Claim Impleading Third Party Defendant [] Monetary Damages [] No Monetary Damages [] Counterclaim [] Counterclaim [] Monetary Damages
ite 413	[] PLAINTEE [] DEFENDANT	1	are claimed.	[] Prohibition [] Quo Warranto	WRITS [] Certiorari [] Habeas Corpus [X] Mandamus	[] Kemsiatement – Custody/Visitation/Support/Equitable Distribution [] Separate Maintenance [] Separate Maintenance Counterclaim	[] Civil Contempt [] Divorce (select one) [] Complaint Contested* [] Complaint Uncontested* [] Counterclaim/Responsive Pleading	 Annulment - Counterclaim/Responsive Pleading Child Abuse and Neglect - Unfounded Complaint 	DOMESTIC/FAMILY [] Adoption [] Adoption - Foreign [] Adult Protection [] Annulment	Employee Grievance Decision Employment Commission Local Government Marine Resources Commission School Board Voter Registration Other Administrative Appeal	ADMINISTRATIVE LAW [] Appeal/Judicial Review of Decision of (select one) [] ABC Board [] Board of Zoning [] Compensation Board [] DMV License Suspension
*"Contested" divorce means any of the following matters are in dispute: grounds of divorce, spousal support and maintenance, child custody and/or visitation, child support, property distribution or debt allocation. An "Uncontested" divorce is filed on no fault grounds and none of the above issues are in dispute.	[2] ATTORNEY FOR [2] DEFENDANT		[] Vehicle Confiscation [] Voting Rights – Restoration [] Other (please specify)	[] Referendum Elections [] Sever Order [] Taxes (select one) [] Correct Erroneous State/Local	Interrogatory Judgment Lien-Bill to Enforce I Law Enforcement/Public Official Petition Name Change	 JExpungement JFirearms Rights - Restoration JForfeiture of Property or Money JFreedom of Information JInjunction Interdiction 	 Declare Death Driving Privileges (select one) Reinstatement pursuant to § 46.2-427 Restoration – Habitual Offender or 3rd Offense 	[] Approval of Transfer of Structured Settlement [] Bond Forfeiture Appeal [] Declaratory Judgment	MISCELLANEOUS [] Amend Death Certificate [] Appointment (select one) [] Church Trustee [] Conservator of Peace [] Marriage Celebrant	[] Trust (select one) [] Impress/Declare/Create [] Reformation [] Will (select one) [] Construe [] Contested	PROBATE/WILLS AND TRUSTS [] Accounting [] Aid and Guidance [] Appointment (select one) [] Guardian/Conservator [] Standby Guardian/Conservator [] Custodian/Successor Custodian (UTMA)





Final Submittal

Prepared by:

PACE Collaborative, P.C.

Mechanical-Electrical Engineers 1277 Perimeter Parkway Virginia Beach, VA 23454 (757) 499-7223

PACE Project #19050 April 17, 2019



EONDITION ASSESSME

1277 PERIMETER PARKWAY - VIRGINIA BEACH, VA - 23454 - 757-499-7223 7814 CAROUSEL LANE, SUITE 200 - RICHMOND, VA - 23294 - 804-270-7222

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Executive Summary1	

Most of the lighting has been upgraded to fluorescent fixtures with T8 lamps and electronic ballasts. These fixtures are aged and should be upgraded to LED to meet current energy use

Immediate Repair Needs:

The current use of the buildings requires the following immediate repairs to ensure proper conditions and safety are provided for occupants:

- Sprinkler system replacement \$575,000
- Central cooling plant repair \$100,000
- Storm water pump discharge repair \$10,000
- Domestic water booster system replacement \$80,000

Total Immediate Repair and Construction Cost - \$770,000

Continued Use of Buildings Repair and Replacement Needs:

Future use of the buildings will require replacement and upgrade to all HVAC, plumbing and electrical systems of the buildings. The following budget is an approximation based on square footage costs and includes design fees associated with the replacement of the systems.

- Estimated Construction Cost \$14,580,000 15% Contingency budget \$2,188,000 Design Fees \$1,400,000

Total MEP Construction and Design Cost - \$18,168,000

III. Basement and Mechanical/Electrical Room

A. Fire Protection

provided with a Class I automatic wet standpipe system in the stairwells. All piping serving these systems is steel and is contemporary with the construction of the building. The basement and mechanical room is protected by a dry pipe sprinkler system, the jail is

standpipe systems diesel distribution system. Sprinkler mains distribute overhead to the sprinkler systems and The diesel fire pump is original to the building, supplying 1,000 gpm at a 100 psi boost. A single wall diesel storage tank sits adjacent to the fire pump, and is replenished by the central The main 8" fire service enters at the basement level, supplying water to a diesel fire pump

Observations.

and require intervention by the responding fire brigade. a fire event and possible loss of life/property. the use of the standpipe systems and the sprinkler system, all systems are currently impaired sprinkler system was in very poor condition. Since the operation of the fire pump is critical to At the time of the visit, the diesel fire pump was not in functional condition, and the dry pipe This results in a delayed response to

Recommendations.

should be extended to areas currently not protected. safety code analysis should be performed for each building to determine if sprinkler systems pumps, service, piping, standpipes, and sprinkler systems be replaced in their entirety. A life Due to the age and condition of the existing systems, it is recommended that all sprinkler

B. Plumbing

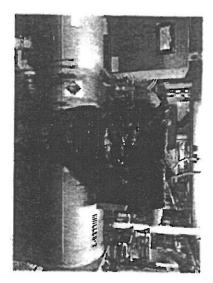
The main domestic water service, pressure booster pumps, and water heaters are housed in the basement level mechanical room. The existing water service enters from the municipal main individually supplying (3) domestic water booster pumps via 4" double check backflow preventers. The (3) domestic water booster pumps are vertical turbine constant speed pumps, each rated for 275 gpm at 80 psi, manufactured by Syncroflow. Domestic hot water is basement level is ejected by a duplex ejector pump. basement parking area is ejected by a duplex ejector pump, sanitary drainage from the heaters. Sanitary piping is general cast iron throughout the facility. is distributed to the building generally in stacks, with hot water circulated back to the water RECO Industries Gas fired water heater is abandoned in place. generated by (2) Precision Inc. 150 gallon tanks heated by central heating water. Domestic hot and cold water Storm drainage in the

Observations:

this pipe may be suitable for installation exterior to the building (water service pipe), the installed using National Pipe and Plastics Dura-Blue PVC water transmission pipe. from the exterior of the building to the backflow preventers. This new main run was recently Water distribution piping is general in poor condition with the exception of a new main run

Observations:

control screen. At the time of the visit the chiller was not operational. Oil pressure alarm was on the chiller The chiller has reached its expected service life of 25 years.



Chiller appears to be in poor condition.

Recommendations.

Have the chiller serviced and repaired. Plans should be made to replace the chiller in the near

capacity each. Boilers (B-1 and B-2), are Crown Boiler Co. model VH 19, installed in 1996, with 4,240 mbh

Observations:

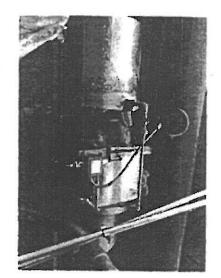
expected service life of 22 years (they are approximately 23 years old). disconnected (piping wise), but the power is still connected. Boilers have reached their buildings. It appears that original "summer" boiler (that provided domestic water) has been One boiler is needed to run throughout the summer to provide domestic hot water to the Boilers appear to be in reasonable condition, considering their age. Both are operational.

Recommendations:

maximize energy usage savings. Have the boilers services annually. Recommend utilizing new high efficiency boilers for replacement in order to Plans should be made to replace the boilers in the near

Condenser water pump P-4 and secondary chilled water pump P-3 appear to be in poor condition, although still in operation and without visible leaks, considering they are approximately 25 years old. Expected service life for this type of equipment is approximately 20 years old. Plans should be made to replace the pumps in the near future. Plans should be made to replace the pumps in the near future.

and corroded. Primary chilled water pump above C-2 appears to be in poor shape. Visible leaks, uninsulated



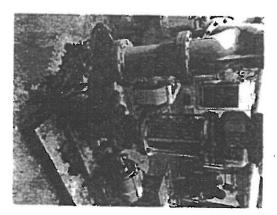
Chiller 2 circulating pumps (located directly above the chiller)

Dual Temperature pump serving the jail motor has bad bearings (very noisy operation), is very badly corroded and has visible leaks.



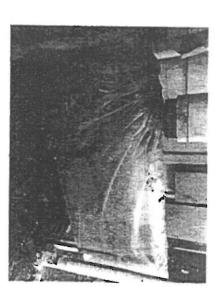
Pump serving the Jail building

condition and should be replaced. appear to be over 20 years old. Expected service life for this type of equipment is 20 years. One of the pumps (P-1) was disassembled during the site visit. Both pumps are in poor Hot water pumps, both show signs of leaks and corrosion. Exact age is not known but they



Disassembled Pump P-1

summer to provide domestic hot water. Recommend eliminating it once it fails, and installing a new domestic hot water heating system, which would also eliminate the need to run a very large heating hot boiler in the through building expansion joints. It appears to be operational but not in a good condition. Domestic hot water heat exchanger is covered with plastic to protect it from water leaks



Domestic hot water heat exchanger

personnel, it causes relief valves to open due to differential in two system pressures. held together by a strap. cooling needs to be done manually. The valve non-functioning pneumatic actuator is being held together by a strap. When the system is switched over, according to maintenance Dual temperature switch over valves do not function and the switch over from heating to

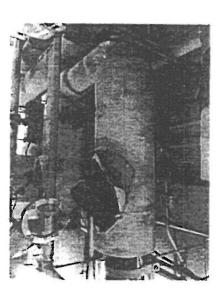


Expansion tanks are water logged and no longer functioning. Replacement is made difficult by the lack of isolation valves, therefore requiring the drain down of majority of the system. Replacement is made difficult

with direct digital controls. the air dryer to cycle more often than it should. Recommend replacing the pneumatic system leakage in all of the buildings, and causes the air compressor powering the system along with actuators are pneumatic. They are obsolete and repair kits are no longer made for them. leak air and most are non-functioning. The pneumatic side of the controls system has air Controls system is a mixture of pneumatic and direct digital controls. Majority of the They

off when operation is attempted. Original isolation valves that are still in place are badly rusted and the handles tend to break

indicating elevated moisture, and humidity levels in the mechanical room. Other piping accessories that have not been recently replaced are severely corroded



insulation. Future use of this plant will require major equipment replacement and redesign to Overall the central heating and cooling plant is in bad shape, some components have been replaced but majority appear to be past their expected service life. There are a lot of leaks in the system as evident by water spots on the mechanical room floor, damaged and missing accommodate new use and current energy standards.

There are two 10 ton split systems in the basement, with condensers located in the garage area. Systems are Trane BTA120D. Appear to have been installed in 1988, making the units approximately 31 years old. Typical service life for DX equipment is approximately 15 years. Area served by the units appears to have been vacated and currently used for some storage.

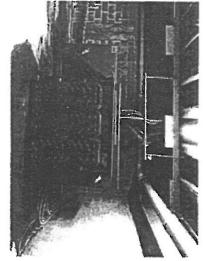
time, control valves are not functioning, and some of the access panels are missing. Fan coils in the basement appear to be original to building construction and are in bad shape. Most do not function and are in disrepair. Filters are dirty and have not been replaced in some



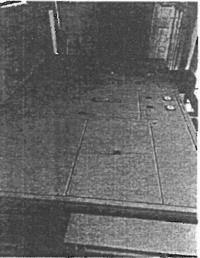
D. Electrical

Electric Service

to the switchboard is run in feeder busway. The busway is run exposed from the transformer allow the primary feeder to enter the transformer. The secondary service from the transformer the space to the transformer. The doors to the primary section of the transformer are open to to the switchboard. chain link fence. The primary service enters the space in raceway and is run exposed through transformer located in the basement. The area is separated from the other parking area by a The electrical service for the Civic Center is provided from a Dominion Energy pad mounted

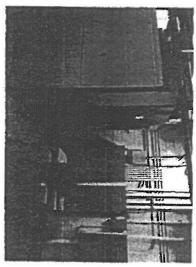


metering compartment of the main switchboard. The existing switchboard is manufactured by delivered via the Dominion Energy pad mounted transformer and busway to the incoming / General Electric A/V Line switchboard. The electric service to the facility is rated 2500-amps, 480/277 volts, 3-phase, 4-wire. It is

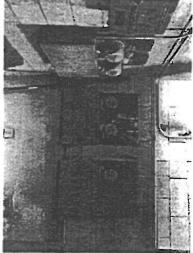


utility metering compartment, a main circuit breaker section with an ammeter and volt meter, rated 2500-amps, 3-pole and includes ground fault protection. and two distribution sections with a total of 12 circuit breakers. The main circuit breaker is The switchboard includes the following: an incoming section for the busway connection and a

obsolete switchboard and no available space for additional breakers. There are additional fusible switches tapped off the bus for additional feeders because of



The electrical service is metered with five utility meters external to the switchboard.



The switchboard feeds all of the electrical distribution for the entire Civic Center.

Observations

difficult to obtain. The switchboard is beyond the expected useful life of 30 years according to the "Building Owners and Managers Association" (BOMA). The switchboard and busway appear to be original to the building and is approximately 49 years old. The switchboard and busway are obsolete, and replacement parts would be very

Recommendations:

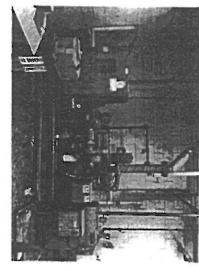
Based on the condition and age of the switchboard, replacement is recommended

to eliminate the potential for flooding. In addition, we recommend that the service and transformer be relocated to a higher elevation

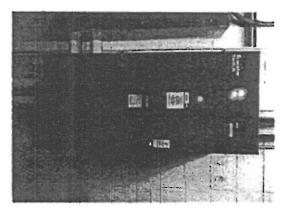
Emergency Systems

The Portsmouth Civic Center emergency system includes two diesel generators and associated automatic transfer switches. The emergency systems only provide emergency power to life safety and critical loads and does not provide emergency backup for the entire building.

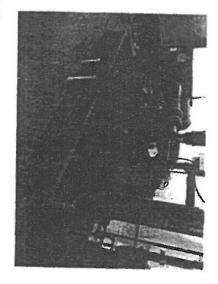
The first generator is a 230 kW at 0.8 power factor, 287.5 kVA, stand-by rated, 480/277 volts, 3-phase, 4-wire, diesel generator and is located in the basement in the mechanical /electrical room. The generator is a Cummins 230DFAB. It is water cooled via city water, which is discharged to a floor drain.



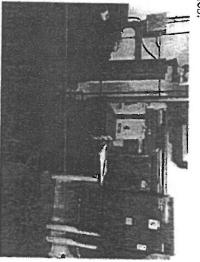
This generator feeds a 600-amps, 3-pole, 4-wire automatic transfer switch (Onan OT 600).

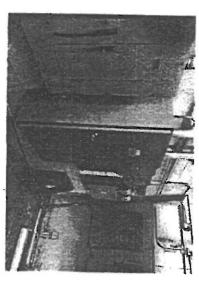


The second generator is a 150 kW at 0.8 power factor, 187.5 kVA, 480/277 volts, 3-phase, 4-wire, stand-by rated, diesel generator and is located in the basement in a separate generator room. The generator is a Cummins 150DGFA. It is water cooled via city water, which is discharged to a floor drain.

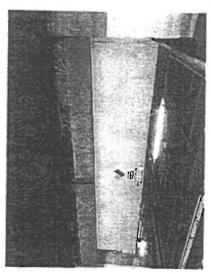


series. This generator feeds two 150-amps, 3-pole, 4-wire, automatic transfer switch. One automatic transfer switch is an Onan OT 150, and the other automatic transfer switch is a Zenith ZTS





The diesel fuel is provided from an above ground, fire-rated fuel tank located in the parking garage in the basement.



piping. There is no return piping or return pump. Each generator has its own day tank with associated simplex fuel supply pump and supply



Observations:

years according to the "Building Owners and Managers Association" (BOMA). were installed around 1998 and should be approximately 21 years old. The expected life of the diesel generator is 20 years, and the expected life of the automatic transfer switch is 25 Both generators appear to be in good condition and are exercised on a weekly basis. They

The electrical service has ground fault on the main breaker; however, neither automatic transfer switch has a 4 pole breaker to isolate the neutral from the two separately derived

tank from overflowing in the event that the supply pump did not shut off when called for as recommended by NFPA 31. The fuel system to the day tank does not have a return line and return pump to keep the day

Recommendations

on a weekly basis and appear to be in good condition for their age. The diesel generators are just beyond their expected life; however, they have been exercised

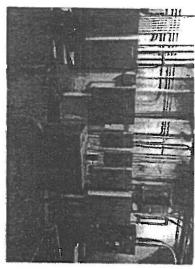
fault current transfer switches, and that the withstand and close on rating be coordinated with the available We recommend that the automatic transfer switches be replaced with 4-pole automatic

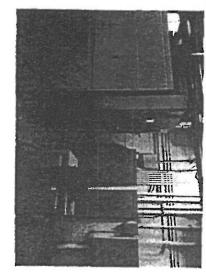
has a supply pump and a return pump as required by the NFPA 31. We also recommend that the day tanks be replaced with a duplex pump arrangement so that it

a higher elevation to eliminate the potential for flooding. In addition, we recommend that the generators and automatic transfer switches be relocated to

Electrical Distribution Equipment

type transformers. These items are generally original equipment. The electrical distribution equipment includes the panelboards, motor control center, and dry





Observations:

The panelboards, motor control center and dry type transformers appear to be original to the building and are approximately 49 years old. The panelboards and motor control center are obsolete, and replacement parts would be very difficult to obtain. These items are beyond the expected useful life of 30 years according to the "Building Owners and Managers" Association" (BOMA).

Recommendations.

replacement is recommended Based on the condition and age of the panelboards, motor control center and transformers

Branch Circuits and Feeders

raceway and are original to the building. The branch circuits and feeders in this area of the facility appeared to be copper in metal

Observations

that the branch circuits included multi-circuit homeruns with a common neutral and no branch circuit equipment grounding conductor. With the new electronic ballast for the lighting, no electronic power supplies, third harmonics created on the common neutrals could result in the neutral conductors being overloaded. If equipment grounding conductors are not included in the branch circuits, the loss of grounds could be expected due to the deterioration of the metal raceway in this area of the building. Based on the existing drawing and electrical practice at the time of construction, we expect

Recommendations.

Due to the age of the existing conductors, lack of equipment grounding conductors, presence shared neutrals, and the recommended relocation of the main electrical service it is building renovations. recommended that the existing electrical feeders and branch circuits be replaced as part of

Lighting

Lighting in the parking areas and utility rooms consists primarily of industrial fluorescent lights with T-8 fluorescent lamps and electronic ballasts.

Observations.

required and upgraded controls to satisfy current energy saving standards. Existing lighting on both the first and second floors is in fair condition with maintenance

Recommendations

sensors are recommended. controls throughout the facility be replaced. Existing lighting controls and switching arrangements are dated and should be replaced. LED lighting, vacancy, and occupancy Due to the type of lighting fixtures and controls, it is recommended that all lighting and

IV. Police Division

A. Fire Protection

No fire protection systems exist in the Police Headquarters Facility

B. Plumbing

place. and piping appear contemporary with the original construction of the building, with the exception of the Magistrates Office, which was recently renovated. Sanitary piping was noted to be cast iron where visible. Some fixture groups were removed, with rough-in piping left in Domestic hot and cold water is served by the central plant in the basement. Existing fixtures

Observations:

Where fixture groups were removed, piping was not properly capped Fixtures were generally in poor condition, with the exception of the Magistrates office

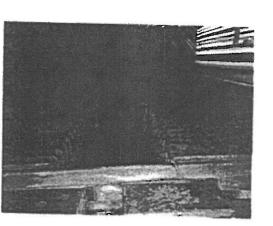
Recommendations:

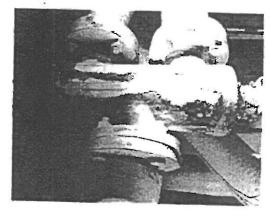
and piping systems be replaced Due to the deterioration of fixtures and piping, it is recommended that all plumbing fixtures

C. Mechanical

multiple leaks. require abatement if any modifications are to be made. DDC controls are minimal in the second floor. Second floor has been abated. First floor is original construction and will water is distributed through piping in the garage below and routed to a built in place central air handler on the roof mezzanine and a second roof top air handling unit. Original built in place air handling unit serves the 1st floor, the newer roof top air handling unit serves the building, most of the functions are still through the pneumatic control system which has Building is served by the central heating/cooling plant in the basement. Chilled water and hot

service. Unit is utilizing an electrostatic filter system, which does not appear to be functional, has missing filter modules from the rack, loose belts on the fans, debris built up on the coil, control valve does not modulate and leaks, coil is not accessible for proper cleaning or





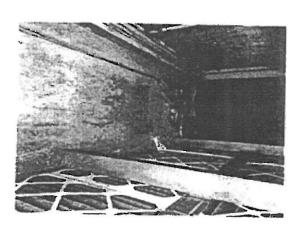
Recommendations

Unit should be replaced with a more traditional and standard air handling unit

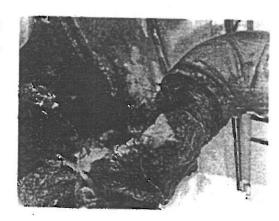
modular unit. Roof top air handling unit (AHU-2), which was installed in 2008, is a Trane Climate Changer Typical service life for this equipment is approximately 15 years.

Observations

leak in the hot water heating line. Very poor access to filter section. Filters need to be replaced. There is debris within the unit cabinet, fan belt is loose, drain pan is severely rusted, condensate drain line is broken, visible



Debris in unit cabinet.



Water leak through a split shut off valve.

Recommendations

another 5 years of service left. Unit should be serviced, cleaned and repaired. With proper maintenance, the unit should have

D. Electrical

Electrical Distribution Equipment

The electrical service for Judicial Building "B" is fed from the main service in the basement.

Most of these items are generally original equipment. The electrical distribution equipment includes the panelboards and dry type transformers

those areas are not included in this assessment. A portion of the Judicial Building was not accessible, and part of it was recently upgraded, so

Observations:

to the "Building Owners and Managers Association" (BOMA). approximately 49 years old. The panelboards are obsolete, and replacement parts would be very difficult to obtain. These items are beyond the expected useful life of 30 years according The panelboards and dry type transformers appear to be original to the building and are

Recommendations:

replacement is recommended Based on the condition and age of the panelboards, motor control center and transformers

Branch Circuits and Feeders

raceway and original to the building. The branch circuits and feeders in this area of the facility appeared to be copper in metal

Type "MC" cable appeared to be used for minor circuit revisions in these spaces.



Observations:

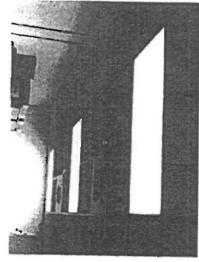
the building. loss of grounds could be expected due to the deterioration of the metal raceway in this area of overloaded. If equipment grounding conductors are not included in the branch circuits, the harmonics created on the common neutrals could result in the neutral conductors being circuit equipment grounding conductor. With the new electronic ballast for the lighting, third Based on the existing drawing and electrical practice at the time of construction, we expect that the branch circuits included multi-circuit homeruns with a common neutral and no branch

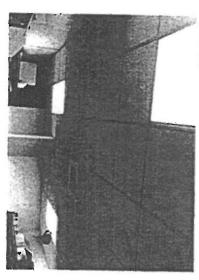
Recommendations:

building renovations recommended that the existing electrical feeders and branch circuits be replaced as part of shared neutrals, and the recommended relocation of the main electrical service it is Due to the age of the existing conductors, lack of equipment grounding conductors, presence

Lighting

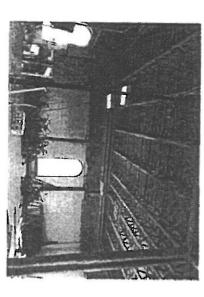
Lighting in the first floor office and administrative spaces generally consisted of recessed troffers with T-8 fluorescent lamps and electronic ballasts.





with wires. The lighting in the second floor and Police Storage areas generally consisted of 2x2, recessed, 3-lamp, parabolic fixtures with three T-8 fluorescent lamps and electronic ballasts suspended





Observations:

and dated lighting controls. The lighting on the first floor appeared to be in fair condition with some maintenance required

The 2x2 recessed troffer suspended with wire was not properly supported.

Recommendations:

controls throughout the facility be replaced utilizing LED fixtures. Existing lighting control and switching arrangements are dated and should be removed completely. LED lighting, vacancy, and occupancy sensors are recommended Due to the type of lighting fixtures and controls, it is recommended that all lighting and

V. Judicial Building "B"

A. Fire Protection

No fire protection systems exist in the Police Headquarters Facility

B. Plumbing

Domestic hot and cold water is served by the central plant in the basement. Existing fixtures and piping appear contemporary with the original construction of the building. Sanitary piping was noted to be cast iron where visible. Some fixture groups were removed, with rough-in piping left in place.

Observations:

not properly capped Fixtures were generally in poor condition. Where fixture groups were removed, piping was

Recommendations.

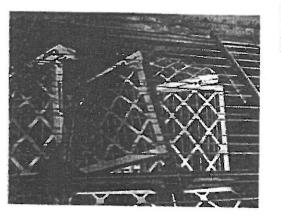
Due to the deterioration of fixtures and piping, it is recommended that all plumbing fixtures and piping systems be replaced

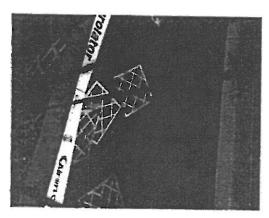
C. Mechanical

Building is served by the central heating/cooling plant in the basement. Chilled water and he water is distributed through piping in the garage below and routed to a built in place central air handler on the roof mezzanine. 2nd floor has been abated and converted to storage. 1st floor is original construction and will require abatement if any modifications are to be made. pneumatic control system which has multiple leaks. DDC controls are minimal in the building, most of the functions are still through the Chilled water and hot

majority of the system appears to be original. installed in 1970's. Some components appear to have been replaced over the years but Built in place central air handling unit (AHU-1) appears to be original to the building and

Observations
Unit used to utilize an electrostatic filter system, which has been disconnected and regular pleated filters are being used. Multiple filters are out of the tracks, some have been pulled out of the track by airflow due to debris built up. Unit has loose belts on the fans, debris built up on the coil, control valve does not modulate and leaks, coil is not accessible for proper





Filters out of track

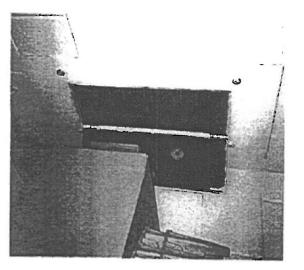
Unit should be replaced with a more traditional and standard air handling unit.

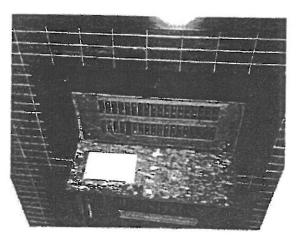
D. Electrical

Electrical Distribution Equipment

The Police Headquarters electrical service is fed from the main service in the basement.

The electrical distribution equipment includes the panelboards and dry type transformers. These items are generally original equipment.





Observations:

The panelboards, and dry type transformers appears to be original to the building and are approximately 49 years old. The panelboards are obsolete and replacement parts would be very difficult to obtain. These items are beyond the expected useful life of 30 years according to the "Building Owners and Managers Association (BOMA).

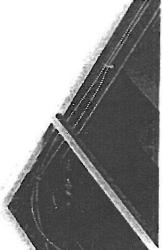
Recommendations:

Based on the condition and age of the panelboards, transformer replacement is recommended.

Branch Circuits and Feeders

raceway and were original. The branch circuits and feeders in this area of the facility appeared to be copper in metal

Type "MC" cable appeared to be used for minor circuit revisions in these spaces.



Observations:

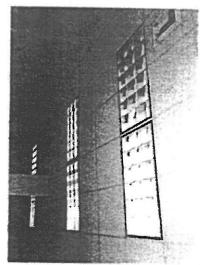
the branch circuits the loss of grounds could be expected due to the deterioration of the metal raceway in this area of the building. neutral conductors being overloaded. If equipment grounding conductors are not included in electronic power supply, third harmonics created on the common neutrals could result in the circuit equipment grounding conductor. With the new electronic ballast for the lighting and that the branch circuits included multi-circuit homeruns with a common neutral and no branch Based on the existing drawing and electrical practice at the time of construction, we expect

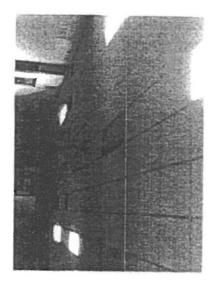
Recommendations:

building renovations. recommended that the existing electrical feeders and branch circuits be replaced as part of Due to the age of the existing conductors, lack of equipment grounding conductors, presence shared neutrals, and the recommended relocation of the main electrical service it is

Lighting

Lighting in the office, corridor and associated areas generally consisted of recessed, 2x4 parabolic troffers with T-8 fluorescent lamps and electronic ballasts.





three (3) T-8 lamps and electronic ballasts. Emergency battery units are utilized for emergency lighting. The lighting in the Court areas generally consisted of 2x4, recessed, 3-lamp fixtures with

Observations:

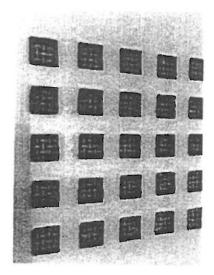
and upgraded controls to satisfy current energy saving standards. The lighting on both floors appeared to be in fair condition with some maintenance required

Recommendations:

occupancy sensors are recommended. Due to the type of lighting fixtures and controls, it is recommended that all lighting and controls throughout the facility be replaced utilizing LED fixtures. Existing lighting control and switching arrangements are dated and should be replaced. LED lighting, vacancy, and

Observations:

EF-1 was operational but is in poor shape due to age of equipment. It has surpassed it's service life and plans should be made to replace it in the near future. EF-2 has been replaced and is only 5 years old, with proper maintenance it should last another 15 years. Exhaust ductwork and grilles appear dirty and should be cleaned. Exhaust grilles have been painted multiple times over the years which caused a reduction in the open areas of the grilles, which are also clogged up with dust and debris affecting their performance.



Clogged Exhaust Grilles

Recommendations

should be cleaned and the exhaust grilles should be replaced. Based on the condition and age of EF-1, we recommend replacing the fan. Exhaust ductwork

determined due to missing name tags, but they appear to be original to the installation. appear to be functioning but are in poor shape due to age and exposure to the elements. Make-up air is provided by two roof mounted units. Age of the equipment could not be



VI. Jail

A. Fire Protection

The jail is protected by an automatic Class I standpipe system in the stairwells, with hose stations in the elevator lobby. The building is not currently Sprinklered.

Observations

system appears to be in good working order. While the standpipe system is contemporary with the original construction of the building, the

Recommendations:

A Life Safety Code Analysis is recommended to determine if the building should be Sprinklered due to the Occupancy and overall height of the building.

B. Plumbing

Plumbing fixtures were noted as generally being penal type, stainless steel with concealed controls. Sanitary piping visible during the walkthrough was noted as being cast iron, and generally located in secure pipe chases. Domestic hot and cold water is served from the central plant in the basement

Observations:

Penal fixtures appeared to be in good working condition, but may require maintenance of controls. Sanitary piping was noted to be in poor condition, with leaks and emergency repairs being noted. Water piping is beyond it life expectancy.

Recommendations

systems be replaced. Due to the deterioration and age of the piping systems, it is recommended that all piping

C. Mechanical

radiators. make-up air units located on the roof. Heating is provided through original baseboard the main heating/cooling plant. The buildings heating and cooling is supplied through dual temperature piping system from Buildings air distribution system is through fan coil units and

is a Loren Cook model 270 CPV, appears to be manufactured in 1994. EF-2 is S&P USA mounted exhaust fan is approximately 20 years. Buildings exhaust needs are served by two utility type exhaust fans located on the roof. EF-1 Ventilation Systems model CM20, manufactured in 2014. Typical service life of a roof

Make-up Air Unit

Recommendations:

Based on the condition and age of equipment, we recommend replacing the units

Cooling towers are Delta Cooling Towers Model 205312, manufactured in 2008.

Observations.

Typical service life for this type of equipment is approximately 20 years. With proper maintenance and water treatment, the existing cooling towers should last another 9 years.

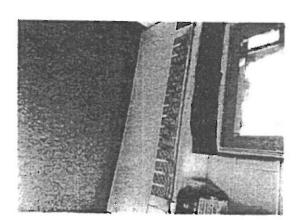
Recommendations:

condenser water. Have cooling towers cleaned and serviced. Ensure proper water treatment is provided to

appear to be 20 years or older. Fan coil units are missing name plates so the exact age could not be determined. They appear to be original to their installation which was not part of the original buildings design. They do They do

Observations:

poor condition. non-functioning, so units operate on/off instead of modulating. Coil piping accessories are in Fan coils appear to be in poor shape. According to maintenance the 3-way control valves are





Fan Coil Units.

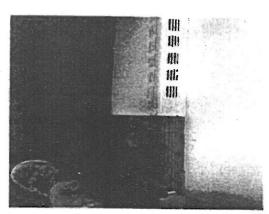
Recommendations:

better control. Fan coil units should be replaced and updated with DDC controls to provide modulation and

functioning, but some are not. Baseboard radiators are original to the building and are in poor shape. Some are still

Observations.

radiators are over 40 years old and have passed their expected service life. the free area of the openings required for proper operations. Some have cover sections missing. Typical service life for this type of equipment is approximately 25 years old. The It appears that radiators have been painted multiple times over the years, which has reduced



Recommendations:

Recommend replacing baseboard radiators and updating them for variable flow operation.

Piping within the building is original and is over 40 years old. Insulation is starting to fail, reducing the efficiency of the system. Some insulation has been patched and reinsulated, but improperly over top of original insulation.



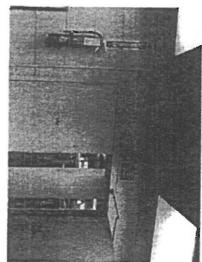


Lighting

Lighting in the Jail Corridors generally consisted of 1x4, vapor-proof with T-8 fluorescent lamps and electronic ballasts.



The lighting in area with a finished SAP ceiling consisted of 2x4 recessed troffer.



Observations:

The lighting appeared to be in fair condition.

Recommendations:

controls throughout the facility be replaced utilizing LED fixtures. Existing lighting control and switching arrangements are dated and should be removed completely. LED lighting, vacancy, and occupancy sensors are recommended. Due to the type of lighting fixtures and controls it is recommended that all lighting and

Fire Alarm System

Observations:

The existing building fire alarm control panel is a Notifier NFS-320 with a separate panel.

Recommendations:

The typical life span for a fire alarm control system is 15 to 20 years. This system is either at or exceeding this expectancy. The fact that the system has been discontinued and not The fact that the system has been discontinued and not

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April 17, 2019

supported by the factory for more than 10 years is a concern. The pressing issue is that if the main panel or field device fails, spare parts will be difficult to find and will not be new. The recommendation is to consider a fire alarm system replacement within the next three years to avoid a potential unprotected building due to an equipment malfunction or failure.