July 9, 2024

(b)(6),(b)(7)(C) Field Office Supervisor
United States Fish and Wildlife Service
New Jersey Ecological Services Field Office
4 E. Jimmie Leeds Road, Suite [redacted]
Galloway, NJ 08205

Via email: NJFO_ProjectReview@fws.gov

RE: **Elizabeth Detention Center, 625 Evans Street, Elizabeth, New Jersey**
Environmental Assessment
Project Code: 2024-0111857

Dear Mr. (b)(6),(b)(7)(C)

Immigration and Customs Enforcement's (ICE) is responsible for the detention, health, welfare, transportation, and deportation of noncitizens in removal proceedings, and those subject to a final order of removal. ICE's Enforcement and Removal Operations (ERO) field office in Newark, New Jersey has a need for comprehensive detention services for 600 adult male and female noncitizens that include general population, intake, segregated housing, and medical beds at a contractor-owned/contractor-operated detention facility. The facility must be within 50 driving miles from the ERO field office located at 970 Broad Street in Newark, New Jersey.

To accommodate a portion of the detained noncitizen population under ICE jurisdiction, use of the existing Elizabeth Detention Center (EDC) in Elizabeth, New Jersey is proposed (the Proposed Action). WSP USA, Inc. has been contracted to prepare an Environmental Assessment in accordance with the National Environmental Policy Act to evaluate the potential impacts of the proposed action and alternatives associated with use of the EDC to house detained noncitizens under ICE jurisdiction.

The purpose of this letter is to provide the U.S. Fish and Wildlife Service (USFWS) notice of the Proposed Action and to document compliance with Section 7 of the Endangered Species Act (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.), as well as the Migratory Bird Treaty Act of 1918 (MBTA) (40 Stat. 755, as amended; 16 U.S.C. 703-712), and the Bald and Golden Eagle Protection Act of 1940 (BGEPA) (54 Stat. 240, as amended; 16 U.S.C. 668-668c).

PROPOSED ACTION

The existing EDC consists of intake, housing, medical beds, and other support facilities to provide dining, medical, religious, legal, and other services. To meet ICE needs, the proposed action of housing detained noncitizens at the EDC requires provision of an outdoor recreation enclosure. An outdoor enclosure is planned consisting of a secure fenced walkway from the detention center to a paved area encircling a half basketball court, recreation equipment, a small canopy, a restroom for use by detainees along with security fencing, control gates and CCTV cameras. No new building construction or alterations to the existing EDC structure is proposed. The Proposed Action allows for continued EDC operation during the period of performance.

ACTION AREA

The EDC is located within an approximately three-acre property at 625 Evans Street in Elizabeth, New Jersey. Attachment A shows the facility's regional location, Attachment B provides an aerial view of the Elizabeth Detention Center, and Attachment C shows topographic conditions in and around the facility property.

SPECIES AND HABITATS CONSIDERED

ESA Species

The USFWS Official Species List, included as Attachment D, indicates that one federally listed species and one candidate species may occur within the vicinity of the Proposed Action: the endangered northern long-eared bat (*Myotis septentrionalis*) and the candidate for listing monarch butterfly (*Danaus plexippus*). The Action Area does not contain critical habitat or proposed critical habitat for these or any other species.

Descriptions of these species and their habitats are summarized below from N.J. Department of Environmental Protection and USFWS species profiles.

- **Northern long-eared bat**: The federally endangered northern long-eared bat is a medium-sized bat that is distinguished by its long ears, particularly as compared to other bats in its genus. The northern long-eared bat is found across much of the eastern and north central United States. White-nose syndrome is the predominant threat to this bat, especially throughout the northeast where the species has declined by up to 99 percent from pre-white-nose syndrome levels at many hibernation sites. Northern long-eared bats spend winter (November 1 to March 31) hibernating in caves and mines and then emerge in early spring. During the active season (April 1 to October 31), northern long-eared bats utilize a wide variety of forested/wooded habitats where they roost, forage, and travel. They may also utilize some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields, and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥3 inches dbh that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet of forested/wooded habitat.

- **Monarch butterfly**: Monarch butterflies are a bright orange color with black and white markings and a wingspan between 3.5 and 4 inches. The caterpillars have many yellow, black and white bands and antenna-like appendages at each end of their body. Monarch caterpillars feed almost exclusively on milkweed and as adults feed on nectar from a wide range of flowers. They lay their eggs on milkweed; there are about 3 to 5 generations born each spring and summer and most of the offspring do not live beyond five weeks. Monarchs are migratory, journeying to central Mexico for the winter each year. In the spring, summer and early fall, they can be found wherever there are nectar-producing plants.

Migratory Bird Treaty Act Species
The USFWS Official Species List also provided a Migratory Bird Resource List for proposed Action Area. The list comprises USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention. The list indicates that there are seven species of migratory birds that are protected under the MBTA that may occur in the Action Area.

Bald and Golden Eagle Protection Act Species
According to the USFWS Official Species List, bald eagles are known to occur in the vicinity of the Action Area. Bald eagles prefer undisturbed forested areas near large lakes and reservoirs, marshes and swamps, or stretches along rivers where they can find open water and their primary food, fish. Bald eagles prefer to nest, perch, and roost in old-growth and mature forest stands of conifers and hardwoods. Foraging habitat for bald eagles consists of large perch trees near a body of water. The Action Area does not contain the forested habitat near waterbodies that bald eagles prefer.

ANALYSIS AND DETERMINATION OF EFFECTS

ESA Species
Northern long-eared bats are not expected to utilize the Action Area due to the developed nature of the property, the adjoining industrial developments, heavily trafficked surrounding roadways, and human activity. Monarch butterflies are not expected to occur on site other than as a transient individual as vegetated areas that may contain milkweed or other native nectar plants are not present. Based on the analysis, we have reached a determination of No Effect for northern long-eared bat and monarch butterfly.

Migratory Bird Treaty Act Species
Due to the developed nature of the Action Area, migratory birds are not expected to occur except as occasional transients. Any migratory birds that may be present in the Action Area would not remain due to the developed site, the adjoining industrial developments, heavily trafficked surrounding roadways, and human activity. We have determined that the Proposed Action is not likely to jeopardize the continued existence of any migratory birds and would not result in the destruction or adverse modification of designated critical habitat of any such species.

Bald and Golden Eagle Protection Act Species
Based on the lack of suitable habitat within the Action Area, bald eagles are not anticipated to occur. We have determined that the Proposed Action would not result in "taking" bald or golden eagles. The Proposed Action would not substantially interfere with normal breeding, feeding, or sheltering behavior that may cause injury, decrease in productivity, or nest abandonment.

CONCLUSION
The Proposed Action is not expected to result in a "taking" of any listed species. For purposes of consultation under Section 7(a)(2) of the ESA, we have determined that the Proposed Action would have No Effect on northern long-eared bat and monarch butterfly. We understand that USFWS concurrence is not required, and no further action is required for species with No Effect determinations.

The Proposed Action is not likely to jeopardize the continued existence of vulnerable migratory birds or BCC, nor the destruction or adverse modification their designated critical habitat. The Proposed Action would not result in "taking," injury, decrease in productivity, or nest abandonment of bald or golden eagles.

We understand that the USFWS presumes that all activities would be implemented as described herein. Any departures from the described activities will be promptly reported to the New Jersey Ecological Services Field Office.

We appreciate your assistance with this matter and look forward to your response. If you have any questions, please do not hesitate to contact me at (b)(6),(b)(7)(C) @wsp.com or 973-407 (b)(6),(b)(7)(C) Thank you.

Sincerely yours,
WSP USA, Inc.

(b)(6),(b)(7)(C)

(b)(6),(b)(7)(C) PP
Senior Vice President

Cc: (b)(6),(b)(7)(C) (CoreCivic)
WSP

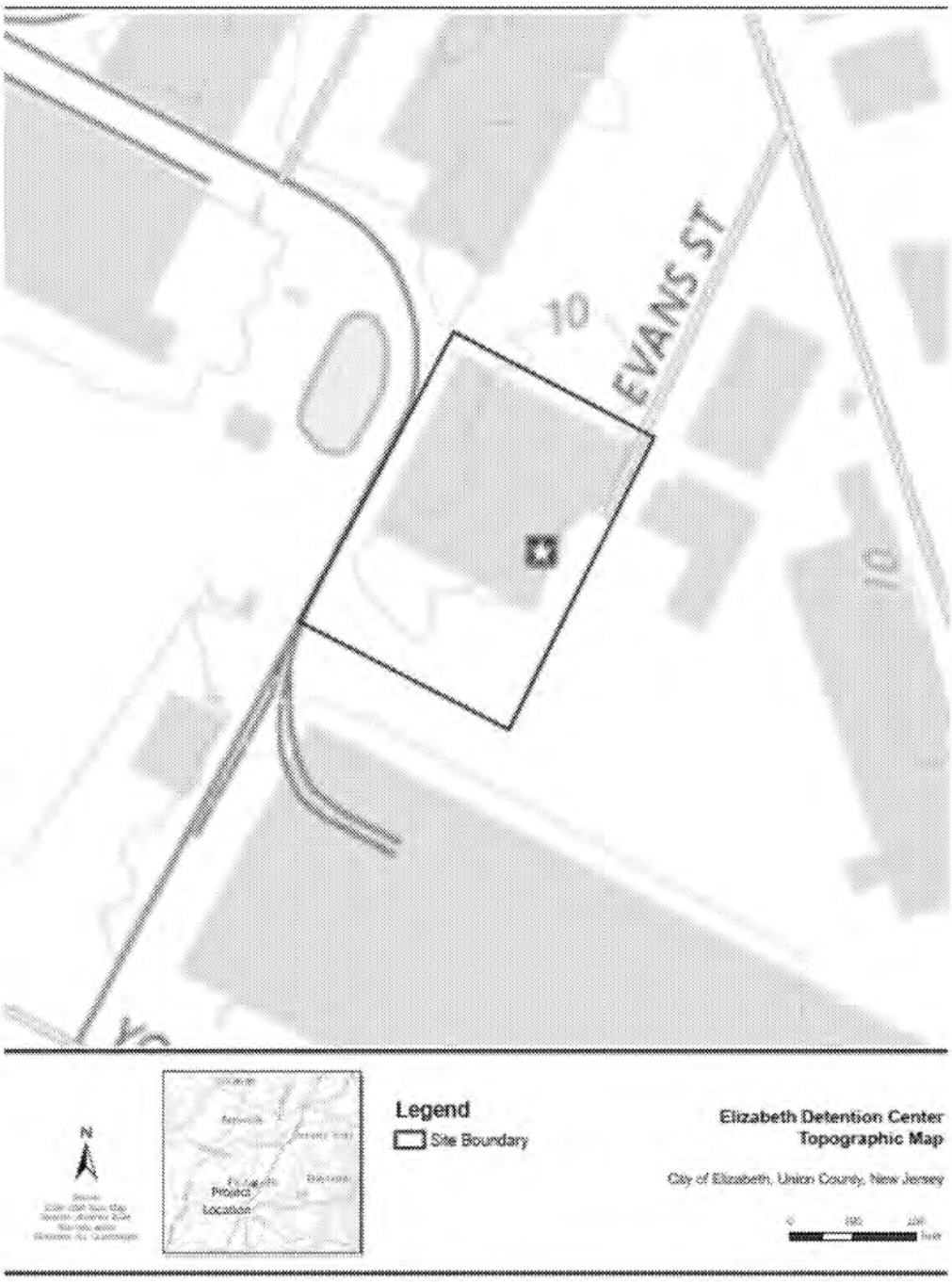
Attachment A: Regional Location – Elizabeth Detention Center
Attachment B: Aerial Photograph - Elizabeth Detention Center
Attachment C: Topographic Conditions - Elizabeth Detention Center
Attachment D: Official Species List

Attachment A: Regional Location - Elizabeth Detention Center

625 Evans Street, Elizabeth, New Jersey

Attachment B: Aerial Photograph - Elizabeth Detention Center

625 Evans Street, Elizabeth, New Jersey



Attachment C: Topographic Conditions - Elizabeth Detention Center

625 Evans Street, Elizabeth, New Jersey

Attachment D: Official Species List

July 9, 2024

United States Army Corps of Engineers
New York Regulatory District
Jacob K. Javits Federal Building
26 Federal Plaza, Room (b)(6),(b)(7)(C)
New York, NY 10278-0090

Via email: Cenan-pa@usace.army.mil

RE: **Elizabeth Detention Center, 625 Evans Street, Elizabeth, New Jersey**
Environmental Assessment

Dear New York Regulatory District:

Immigration and Customs Enforcement's (ICE) is responsible for the detention, health, welfare, transportation, and deportation of noncitizens in removal proceedings, and those subject to a final order of removal. ICE's Enforcement and Removal Operations (ERO) field office in Newark, New Jersey has a need for comprehensive detention services for 600 adult male and female noncitizens that include general population, intake, segregated housing, and medical beds at a contractor-owned/contractor-operated detention facility. The facility must be within 50 driving miles from the ERO field office located at 970 Broad Street in Newark, New Jersey.

To accommodate a portion of the detained noncitizen population under ICE jurisdiction, use of the existing Elizabeth Detention Center (EDC) in Elizabeth, New Jersey is proposed (the Proposed Action). WSP USA, Inc. has been contracted to prepare an Environmental Assessment in accordance with the National Environmental Policy Act to evaluate the potential impacts of the proposed action and alternatives associated with use of the EDC to house detained noncitizens under ICE jurisdiction.

The EDC is located within an approximately three-acre property at 625 Evans Street in Elizabeth, New Jersey. The EDC consists of intake, housing, medical beds, and other support facilities to provide dining, medical, religious, legal, and other services. To meet ICE needs, the proposed action of housing detained noncitizens at the EDC requires provision of an outdoor recreation enclosure. An outdoor enclosure is planned consisting of a secure fenced walkway from the detention center to a paved area encircling a half basketball court, recreation equipment, a small canopy, a restroom for use by detainees along with security fencing, control gates, and CCTV cameras. No new building construction or alterations to the existing EDC structure is proposed. The proposed action allows for continued EDC operation during the period of performance.

Based on a review of aerial imagery, National Wetland Inventory mapping, and a recent field inspection, the site is completely developed with the structure and paved parking area with no wetlands or waters of the United States present. For your reference, Attachment A shows the facility's regional location, Attachment B provides an aerial view of the Elizabeth Detention Center, and Attachment C shows topographic conditions in and around the facility property.

If you have any questions regarding the proposed action, please do not hesitate to contact me at (b)(6),(b)(7)(C) @wsp.com or 973-407-(b)(6),(b)(7)(C) Thank you.

Sincerely yours,
WSP USA, Inc.

(b)(6),(b)(7)(C)

(b)(6),(b)(7)(C), PP
Senior Vice President

Cc: (b)(6),(b)(7)(C) (CoreCivic)
WSP

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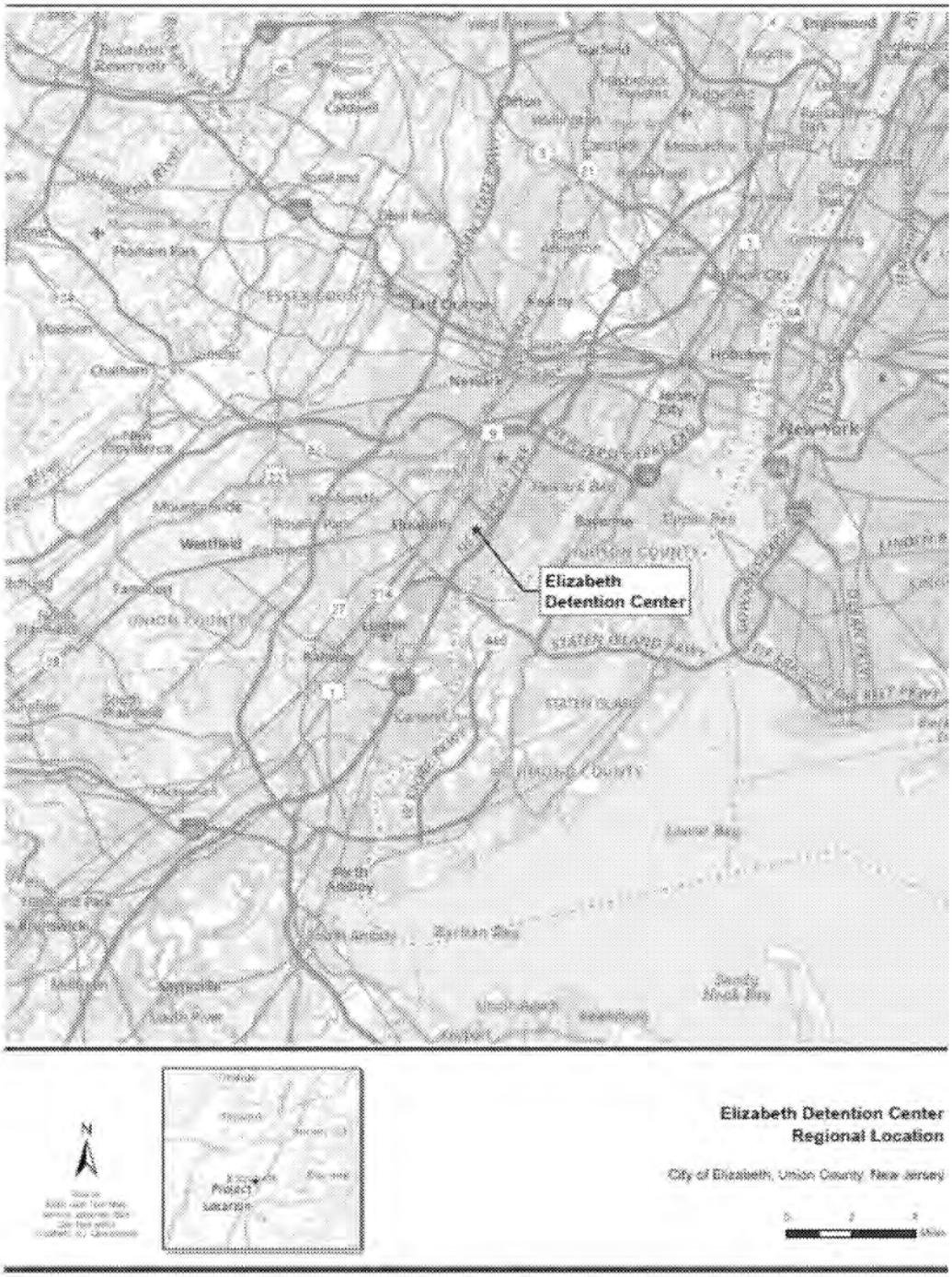
Attachment B: Aerial Photograph - Elizabeth Detention Center
Attachment C: Topographic Conditions - Elizabeth Detention Center

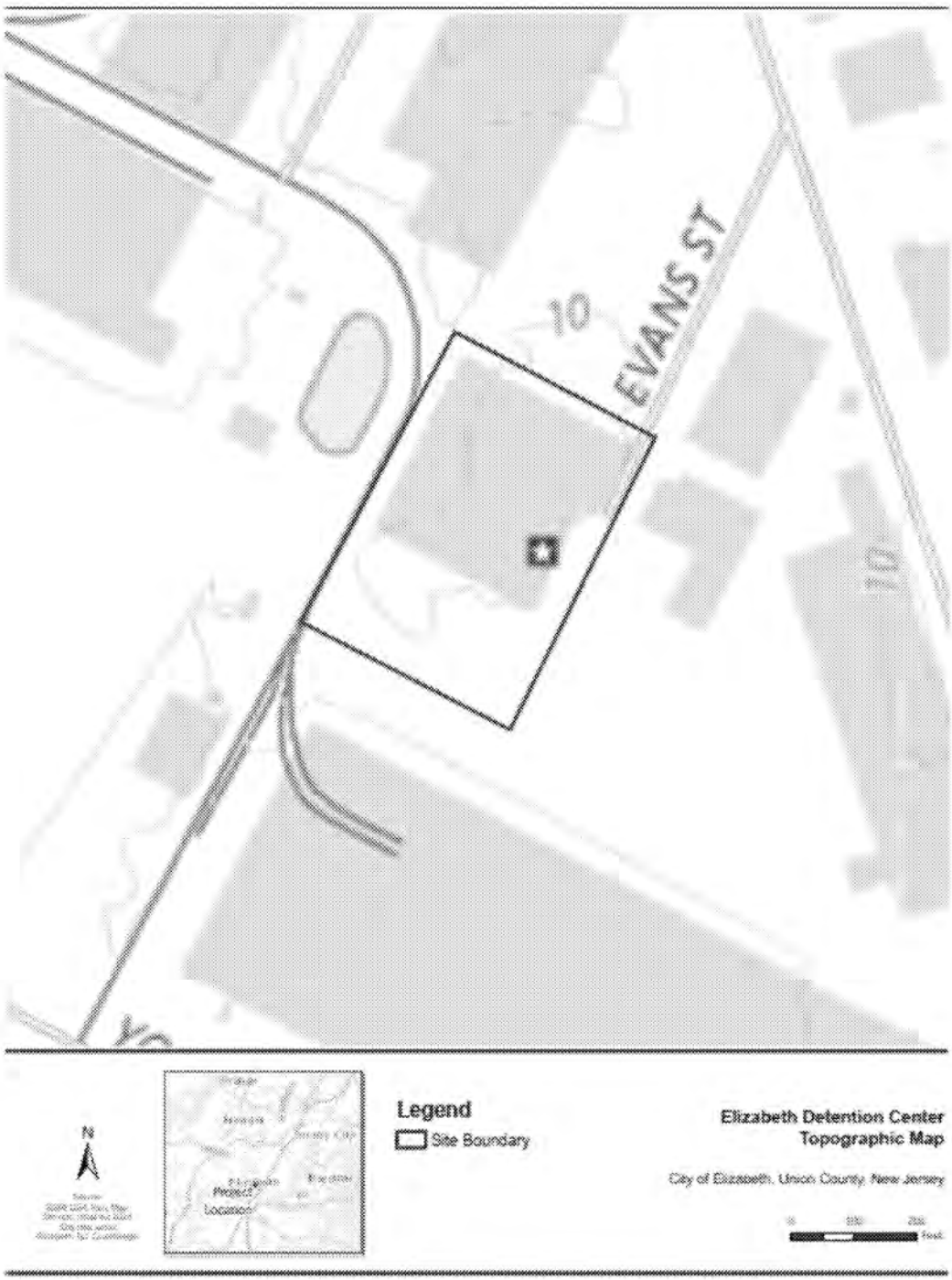


Attachment A: Regional Location - Elizabeth Detention Center

625 Evans Street, Elizabeth, New Jersey

Attachment B: Aerial Photograph - Elizabeth Detention Center

625 Evans Street, Elizabeth, New Jersey



Attachment C: Topographic Conditions - Elizabeth Detention Center

625 Evans Street, Elizabeth, New Jersey

July 9, 2024

Mr. (b)(6),(b)(7)(C) P.G., Director
New Jersey Department of Environmental Protection
Office of Permit and Project Navigation, Environmental Review Unit
401 East State Street
Mail code: 401-07J / P.O. Box 420
Trenton, NJ 08625

Via email: (b)(6),(b)(7)(C) @dep.nj.gov

RE: **Elizabeth Detention Center, 625 Evans Street, Elizabeth, New Jersey Environmental Assessment**

Dear (b)(6),(b)(7)(C):

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Based on a review of NJ-GeoWeb and a recent field inspection, the site is completely developed, and no wetlands or wildlife habitat are present. NJ-GeoWeb reports that there is a foraging habitat for black-crowned night heron, least tern, little blue heron, glossy ibis, and snowy egret adjacent to the site in an isolated wetland separated from the site by railroad tracks. For your reference, Attachment A shows the facility's regional location, Attachment B

provides an aerial view of the Elizabeth Detention Center, and Attachment C shows topographic conditions in and around the facility property.

If you have any questions regarding the proposed action, please do not hesitate to contact me at (b)(6),(b)(7)(C) @wsp.com or at 973-407-(b)(6),(b)(7)(C). Thank you.

Sincerely yours,
WSP USA, Inc.

(b)(6),(b)(7)(C)

(b)(6),(b)(7)(C), PP
Senior Vice President

Cc: (b)(6),(b)(7)(C) (CoreCivic)
WSP

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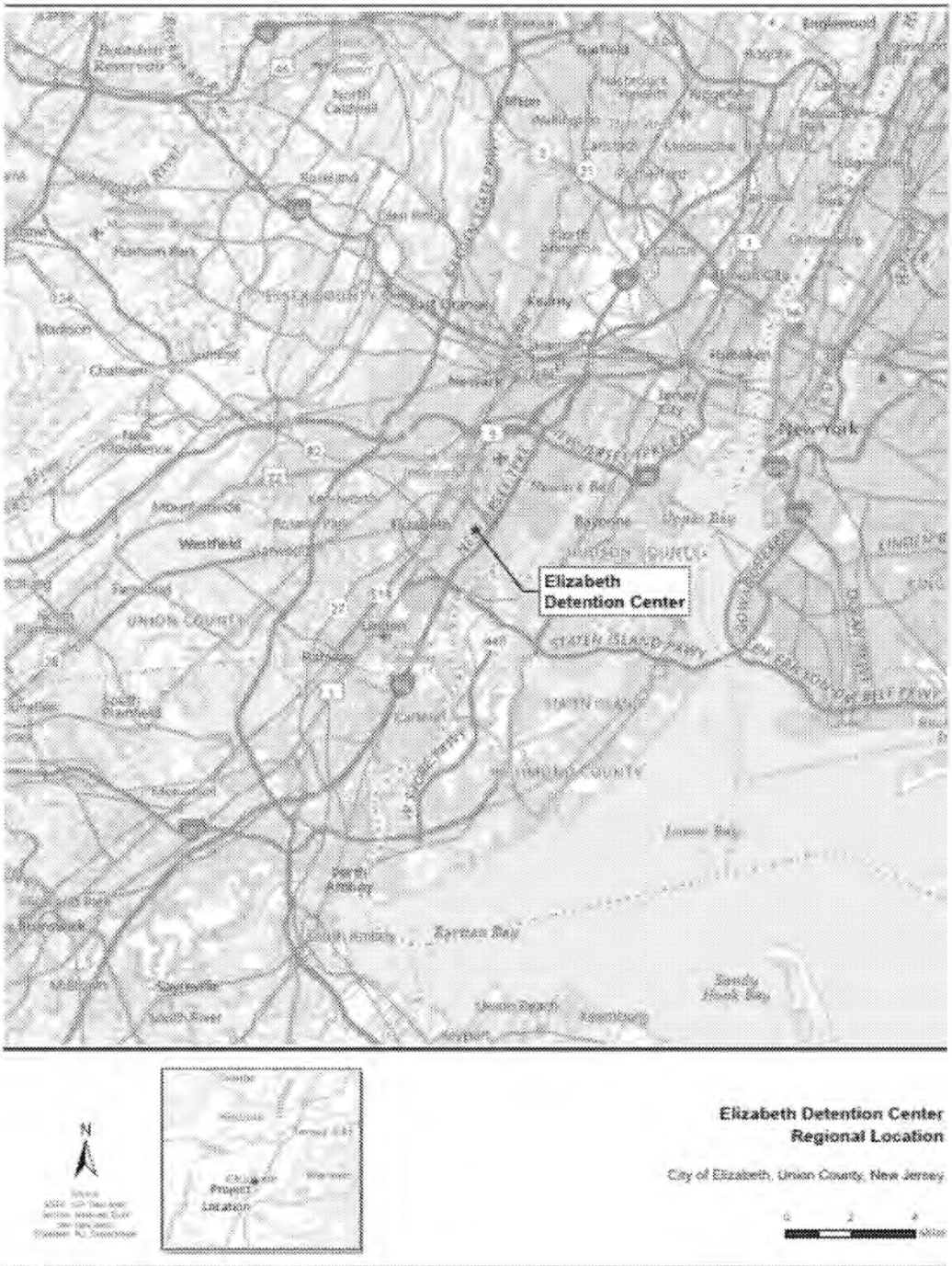

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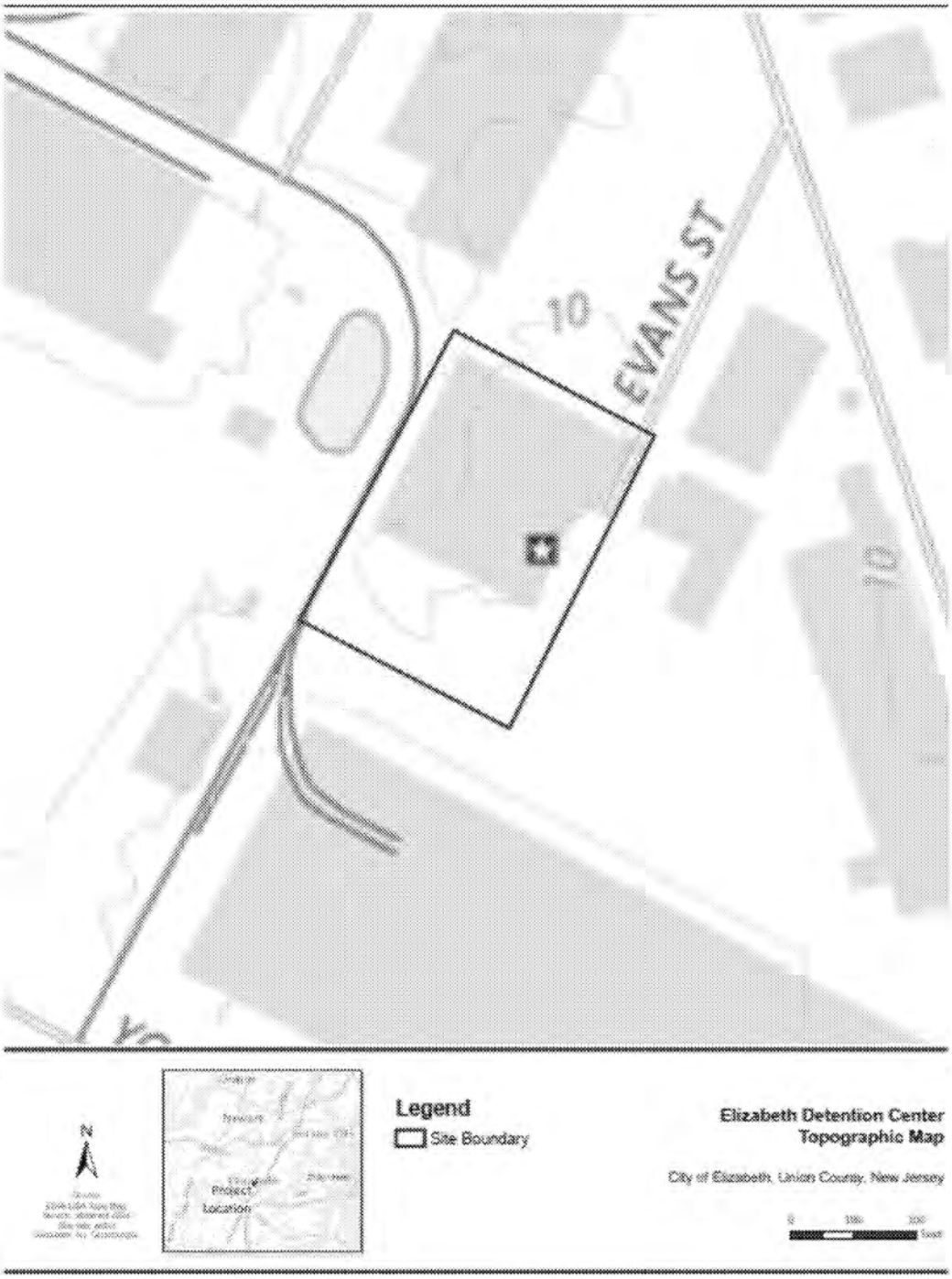


Attachment C: Topographic Conditions - Elizabeth Detention Center

625 Evans Street, Elizabeth, New Jersey

Appendix B: Elizabeth Detention Center Drawings

Appendix C: Official Species List from USFWS Information, Planning, and Conservation System

Appendix D: Emergency Response Agreements

CITY OF ELIZABETH, NEW JERSEY
POLICE DEPARTMENT

One Police Plaza, Elizabeth, New Jersey 07201
(908) 558-[redacted]

J. CHRISTIAN BOLLWAGE
Mayor

EARL GRAVES
Police Director

JOHN BRENNAN
Chief of Police

(b)(6),(b)(7)(C)
Maintenance & Safety Manager
625 Evans Street
Elizabeth, NJ 07201

Response Agreement:

The Elizabeth Police Department is a career-based Police Department and operates on a 24/7 schedule. In the event of an emergency at your facility, you are reminded to have your staff call 911 and give the dispatchers the nature of the emergency. The centralized dispatch will then send the appropriate resources to your location based on the information given. The Elizabeth Police Department will provide police services as regulated by City Ordinance. The Elizabeth Police Department requests that when a call for service is requested by your facility, either by an automatic alarm or via phone that a supervisor meets our personnel at the designated staging area.

Respectfully,

(b)(6),(b)(7)(C)

Deputy Chief of Police
908-403-[redacted]
(b)(6),(b)(7)(C)@elizabethnj.org

411 Irvington Avenue
Elizabeth, New Jersey
07208-2012
Phone: (908) 820-[illegible]
Fax: (908) 820-1670

Elizabeth Fire Department

October 10, 2018

Elizabeth Detention Center
(b)(6),(b)(7)(C)
Maintenance & Safety Manager
625 Evans St.
Elizabeth, NJ 0720)

Response Agreement:

The Elizabeth Fire Department is a career based Fire & EMS Department and operates on a 24/7 schedule. In the event of an emergency at your facility, you are reminded to have your staff call 911 and give the dispatchers the nature of the emergency. The centralized dispatch will then send the appropriate resources to your location based on the information given. The Elizabeth Fire Department will provided fire suppression as well as emergency medical care and transport. The Elizabeth Fire/EMS Department requests that when a call for service is requested by your facility, either by an automatic alarm or via phone that a supervisor meets our personnel at the designated staging area.

Respectfully,

(b)(6),(b)(7)(C)

(b)(6),(b)(7)(C)
Chief of Department
Elizabeth Fire Department

Remember to check the battery in your smoke detector.

Appendix F: Administrative Record Index

APPENDIX F: ADMINISTRATIVE RECORD INDEX

Environmental Assessment - Contract Award for Comprehensive Detention Services – Newark, New Jersey Area of Responsibility Elizabeth Detention Center - Elizabeth, New Jersey

Document Name/Title	Author	To	Date	Document Description	Record #
Consulting Agency Correspondence, U.S. Army Corps of Engineers	(b)(6),(b)(7)(C), Senior Vice President, WSP	U.S. Army Corps of Engineers, New York Regulatory District	July 8 2024	Correspondence confirming the absence of wetlands and waters of the U.S. within Elizabeth Detention Center property.	1
Consulting Agency Correspondence, U.S. Fish and Wildlife Service	(b)(6),(b)(7)(C), Senior Vice President, WSP	(b)(6),(b)(7)(C) Field Office Supervisor, U.S. Fish and Wildlife Service, NJ Ecological Services Field Office	July 8 2024	Correspondence seeking concurrence on findings regarding threatened and endangered species within/near Elizabeth Detention Center property.	2
Consulting Agency Correspondence, NJ Department of Environmental Protection	(b)(6),(b)(7)(C), Senior Vice President, WSP	(b)(6),(b)(7)(C) P.G., Director NJ Department of Environmental Protection, Office of Permit and Project Navigation, Environmental Review Unit	July 8, 2024	Correspondence seeking concurrence on the absence of wetlands and waters of the U.S. and threatened and endangered species habitats within/near Elizabeth Detention Center property.	3
Consulting Agency Correspondence, U.S. Fish and Wildlife Service	(b)(6),(b)(7)(C) Endangered Species Program/Conservation Planning Assistance U.S. Fish and Wildlife Service, NJ Ecological Services Field Office	(b)(6),(b)(7)(C), Senior Vice President, WSP	July 9, 2024	No Effect letter from U.S. Fish and Wildlife Service concerning endangered species affecting the Elizabeth Detention Center property.	4
Environmental Assessment - Proposal to Award a Contract for Operation and Management of the Elizabeth Detention Center - Elizabeth, New Jersey	(b)(6),(b)(7)(C) Senior Vice President, WSP	(b)(6),(b)(7)(C), Senior Director, CoreCivic	July 16, 2024	Environmental Assessment regarding proposal to award a contract for comprehensive detention services as required by ICE's Enforcement and Removal Operations field office in Newark, New Jersey in compliance with National Environmental Policy Act	5

ENVIRONMENTAL ASSESSMENT

Contract Award for Comprehensive Detention Services - Newark, New Jersey Area of Responsibility

Prepared for:

375 Enterprise Avenue LLC

1633 Broadway, 46th Floor

New York, New York 10019

Prepared by:

2000 Lenox Drive, 3rd Floor

Lawrenceville, New Jersey 08648

July 16, 2024

EXECUTIVE SUMMARY

Environmental Assessment
Contract Award for Comprehensive Detention Services
Newark, New Jersey Area of Responsibility

SPONSOR: U.S. Department of Homeland Security, Immigration and Customs Enforcement

CONTACT: Contracting Officer
U.S. Department of Homeland Security, Immigration and Customs Enforcement
Office of Acquisition Management
801 I Street, NW, Room 900, Washington, D.C. 20536

CONTACT: (b)(6),(b)(7)(C), Managing Member
375 Enterprise Avenue LLC
1633 Broadway, New York, New York 10019
Tel: 917-697- / Email: @triumphhotels.com

BACKGROUND: Immigration and Customs Enforcement (ICE) is the principal investigative arm of the United States Department of Homeland Security (DHS) and the second largest investigative agency in the Federal Government. ICE'S primary mission is to promote homeland security and public safety through criminal and civil enforcement of federal laws governing border control, customs, trade and immigration. ICE determines the legal immigration status of individuals believed to be illegally present in the interior of the United States through the immigration courts and removes those who are determined to be either inadmissible or in violation with U.S. law.

PROPOSED ACTION: DHS/ICE owns and operates facilities which are used to house detained noncitizens who are in the country illegally. In addition, other public and privately owned and/or operated facilities house and service the detained population not housed within DHS/ICE-owned/operated facilities. ICE's Enforcement and Removal Operations (ERO) field office in Newark, New Jersey has a need for comprehensive detention services for 600 adult male and female noncitizens that include general population, intake, segregated housing, and medical beds at a contractor-owned/contractor-operated detention facility or facilities. The facility or facilities must be within 50 driving miles from the ERO field office at 970 Broad Street in Newark, New Jersey.

To accommodate a portion of the detained noncitizen population under ICE jurisdiction, use of the Albert M. "Bo" Robinson Center (ARC) in Trenton, New Jersey is proposed. The ARC consists of housing, dining, medical, religious, legal, and other support facilities. The proposed action involves use of ARC to house 600 noncitizen detainees during the period of performance.

The detention contractor would be responsible for providing the full range of housing, services, and case management requirements for the ICE mission of enforcement and removal. The ARC includes office space, bed space, space for services such as medical exams, indoor recreation, religious services, and other support space. Such spaces are required by ICE to safely house and manage detained individuals in compliance with applicable detention codes, standards and licenses while they await legal proceedings and processing. Under the procurement, the selected contractor would be responsible for ensuring that the detention center is operated in a manner consistent with the mission of ICE and applicable state and federal laws and regulations.

In accordance with National Environmental Policy Act (NEPA) of 1969 (42 U.S. Code 4321-4347), as amended in 2023 and 2024, and in accordance with ICE's "Procedural Guidance for Complying with National Environmental Policy Act Requirements – Proposed Contract Detention Facility", this

Environmental Assessment serves to evaluate the potential impacts of the proposed action and alternatives associated with use of the ARC to house detained noncitizens under ICE jurisdiction.

LOCATION: The ARC is located at 375-377 Enterprise Avenue in Trenton, New Jersey. The center, developed within a 4.34-acre property, is east of U.S. Route 1 and west of Enterprise Avenue which forms its eastern border.

FINDINGS: The proposed action to award a contract for operation and management of the ARC is intended to meet the on-going need to safely house a portion of the detained noncitizen population under ICE jurisdiction. Due to mission needs, proposals for new construction would not be accepted by ICE as part of the procurement. Permanent (operational) impacts are anticipated, with none constituting adverse impacts.

Beneficial impacts would be derived from implementation of the proposed action, including contributions toward fulfilling ICE's mission to protect society along with achieving the goals of the DHS and the mandates of the U.S. Congress. Implementation of the proposed action should result in no adverse impacts as defined by NEPA while resulting in the positive impact of maintaining the ability to safely house detained individuals under ICE jurisdiction. The proposed action would also benefit local and regional economies by the employment opportunities at the ARC during operations. Cumulative, secondary and other related impacts and any potentially adverse impacts would be controlled, mitigated or avoided to the maximum extent possible.

DATE: July 16, 2024

Table of Contents

LIST OF APPENDICES

LIST OF EXHIBITS

LIST OF TABLES

Acronyms and Abbreviations

APE	Area of Potential Effect
ARC	Albert M. "Bo" Robinson Center
AST	Aboveground storage tank
BMP	Best Management Practice
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO_2	Carbon Dioxide
DHS	U.S. Department of Homeland Security
EA	Environmental Assessment
EMS	Emergency Medical Service
EO	Executive Order
ERO	Enforcement and Removal Operations
ESA	Environmental Site Assessment
FPPA	Farmland Protection Policy Act
GHG	Greenhouse Gas
HREC	Historical Recognized Environmental Condition
ICE	Immigration and Customs Enforcement
IPaC	USFWS Information, Planning, and Conservation System
mgd	Million gallons per day
$\mu g/m^3$	Microgram per Cubic Meter
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NJDEP	New Jersey Department of Environmental Protection
NO_2	Nitrogen Dioxide
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory
O_3	Ozone
ppm	Parts per million
REC	Recognized Environmental Condition
SO_2	Sulfur Dioxide
TWW	Trenton Water Works
USACE	U.S. Army Corps of Engineers
USDA-NRCS	U.S. Department of Agriculture, Natural Resources Conservation Service
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey

1.0 Introduction

Immigration and Customs Enforcement (ICE), one of the agencies of the U.S. Department of Homeland Security (DHS), is responsible for protecting national security and upholding public safety. Strengthening the nation's capacity to detain and remove criminal and other deportable noncitizens is a key component of ICE's strategy to deter illegal immigration and protect public safety. DHS/ICE owns and operates detention facilities to house a portion of the population of detained noncitizens. In addition, other publicly and privately owned and operated facilities house and manage those detained noncitizens not housed within DHS/ICE-owned and operated facilities.

1.1 Purpose of the Environmental Assessment

This document, together with its appendices and incorporations by reference, constitutes an Environmental Assessment (EA) prepared pursuant to the National Environmental Policy Act (NEPA) of 1969, (Pub. L. 91-190, 42 United States Code 4321-4347, as amended in 2023 and 2024), "Regulations for Implementing NEPA" (40 Code of Federal Regulations [CFR] Parts 1500–1508) as issued by the Council on Environmental Quality and amended May 1, 2024, and ICE policies and procedures as described in "Procedural Guidance For Complying With National Environmental Policy Act Requirements – Proposed Contract Detention Facility." Its purpose is to present an assessment of the potential environmental impacts of a proposed federal action to award a contract for comprehensive detention services for 600 male and female detained noncitizens.

The EA, the assessment it presents, and the procedures by which environmental investigations are conducted and incorporated in decision-making are parts of a process established by NEPA to ensure that the environmental consequences of federal projects and actions are adequately considered. The process is designed to ensure that public officials make decisions based on a full understanding of the environmental impacts of proposed actions and take all appropriate steps to "protect, restore and enhance the environment" (40 CFR 1501.7).

1.2 Description of the Proposed Action

ICE maintains various operational divisions, each composed of a number of law enforcement, intelligence or mission support positions. ICE's Enforcement and Removal Operations (ERO) is responsible for the detention, health, welfare, transportation, and deportation of noncitizens in removal proceedings, and those subject to a final order of removal from the U.S. The mission of ERO is to identify, apprehend, detain and remove individuals, who present a danger to national security or are a risk to public safety, as well as those who enter the U.S. illegally or otherwise undermine the integrity of immigration laws and border control efforts. In implementing its mission, ERO is responsible for carrying out all orders for the securing and departure activities of noncitizens who are designated in removal proceedings and for arranging for the detention of noncitizens when necessary and prescribed by law.

The ERO Newark, New Jersey Field Office has a need for comprehensive detention services for 600 adult male and female noncitizens (up to 50 female noncitizens) that will provide for general population, intake, segregated housing, and medical beds at a contractor-owned/contractor-operated detention facility or facilities. Facilities must be within 50 driving miles from the ERO Field Office at 970 Broad Street in Newark, New Jersey. In addition, the facilities shall be within appropriate proximity and access to emergency services (medical, fire protection, law enforcement, etc.) and access to airport services for transportation requirements.

Under the proposed action, the detention contractor would be responsible for housing detained noncitizens and to operate and maintain the facility in a manner consistent with the mission of ICE and applicable state and federal laws and regulations. This EA evaluates the potential impacts of the Proposed Action Alternative and the No Action Alternative, as stipulated by NEPA.

To accommodate a portion of the detained noncitizen population under ICE jurisdiction, use of the Albert M. "Bo" Robinson Center (ARC) is proposed. The ARC was constructed in 1963, with additions in 2004 and 2008, and consists of approximately 115,000 square feet of floor space within three attached structures. The ARC has a rated capacity of 960 beds and a total capacity of 1,046 beds, allowing 86 beds to be used for segregation as necessary. No new building construction or exterior alterations to the ARC are proposed.

During preparation of the EA, correspondence, news articles, and other indications of interest or concern on the part of the public regarding the proposed action were considered. Federal and state regulatory agencies were consulted, and the resulting scope of study is indicated by the foregoing Table of Contents and the materials presented in the subsequent sections of the document and its incorporations by reference.

Chapter 1.0 of the EA provides this introduction, while Chapter 2.0 provides the background and context of the proposed action including existing conditions and location. Chapter 3.0 describes the purpose and need for the proposed action including the scope and content of the analysis, the decision to be made by ICE, and consultations with key agencies and officials. Chapter 4.0 describes the Proposed Action Alternative and No Action Alternative and identifies the Preferred Alternative. Chapter 5.0 describes baseline conditions within the potentially affected environments, the potential impacts of implementing the No Action and Proposed Action alternatives, and recommended measures to mitigation potential adverse impacts. Chapter 5.0 also provides a summary of potential impacts, the relationship between short-term use of the environment and the maintenance and enhancement of long-term productivity, irreversible and irretrievable commitments of resources, along with cumulative and indirect impacts of the proposed action. Chapters 6.0, 7.0, and 8.0 respectively, list the individuals responsible for the EA's preparation, the information sources used in the preparation of the EA, and a Glossary of terms. Additional information is also provided in the appendices.

1.3 Agency History and Mission

Although an Immigration Bureau existed within the U.S. State Department between 1864 and 1868, prior to 1890 most immigrants were processed into America by the individual states rather than by the federal government. New York State was the most active, and most immigrants arrived by ship through New York City harbor. In the 70 years between 1820 and 1890, nearly 11 million of the roughly 15 million people who migrated to the United States are estimated to have come through the port of New York. By 1890, an average of 1,200 immigrants per day were arriving in New York City harbor, all of whom were processed through Castle Garden in Battery Park, a facility operated by the New York State Board of Immigration Commissioners and the sole landing point and processing center for immigrants in the New York City area. Castle Garden included all facilities and services necessary for examinations, registrations, and assistance immigrants in finding housing, jobs, transportation, and care for the sick and destitute. Part of the rationale for the centralization of facilities in one location was to protect immigrants from criminals and dishonest labor recruiters seeking to exploit them.

By the 1890s, however, as the influx of immigrants into New York continued unabated, the facilities at Castle Gardens grew outdated and overcrowded, and it was determined that the federal government needed to exercise greater control over immigration. Three islands in New York harbor were identified as potential sites for a new and larger immigration station: Governor's Island, Bedloe's Island, and Ellis Island. Ellis Island was selected, and plans were made to convert it from a naval powder magazine to a federal immigration station. President Benjamin Harrison signed an appropriation of $85,000 for that purpose on March 26, 1890. Castle Garden closed on April 18, 1890, having processed more than eight million immigrants in 35 years of operation. A year later, Congress passed the Immigration Act of 1891, the nation's first comprehensive immigration law. It created the Bureau of Immigration within the Treasury Department and placed the Commissioner of Immigration in the port of New York, officially ending state control and processing of immigrants.

Ellis Island opened in 1892 as an immigrant station, and in its first decade of operation processed 3,047,130 immigrants. Only 640,434 people came through all other U.S. ports of entry during that period. Immigration reached its peak during the first decade of the twentieth century with the arrival of 8,795,386 immigrants nationwide, 78 percent of whom entered through New York. In 1903, the Bureau of Immigration was transferred to the Department of Commerce. The highest number of immigrants to the United States in any one year occurred in 1907 when 1,285,349 people arrived, with 1,004,756 passing through Ellis Island alone. It is estimated that almost 50 percent of America's current population are descendants of immigrants who were processed on Ellis Island.

Congress acted to control the flow with the passage of the Immigration Act of 1917, which established a literacy test for the first time and made the mental and physical examinations more stringent. The increased stringency of these examinations and new health requirements, together with security regulations resulting from World War I, restricted immigration. The number of immigrants dropped significantly from 1.2 million in 1914 to an average of about 300,000 during each of the war years to only 110,000 in 1918. During this period, the proportion of immigrants arriving through New York dropped below 50 percent for the first time in history with New York's share of immigrants totaling only 19 percent by 1919.

Immigration rose again after the war, to 430,000 in 1920, and 805,000 in 1921, leading Congress to enact legislation in 1921 and 1924 to limit the number of immigrants allowed into the country. The new legislation imposed the first substantial restrictions on immigration by setting numerical quotas for admissions by nationality. At the same time, American consulates abroad began screening prospective immigrants at their points of origin, so only those warranting further examination arrived at Ellis Island.

During the Great Depression, those leaving the country outnumbered immigrants for the first time in history. The Depression caused fewer people to migrate to the United States. and caused more people to be denied admission. In 1930, 20,000 illegal immigrants were deported because of the high number of jobless Americans. With decreasing immigration and increased deportations, Ellis Island changed from an immigration station to a detention center. In 1933, about 4,500 incoming aliens were detained at the island until they were found to be admissible, usually after three or four days, and more than 7,000 outgoing aliens were held there to await deportation.

Immigration increased again as the economy recovered and then fell off sharply during World War II. In the post-war period, the numerical quota system continued under amendments to the Immigration Act of 1924 and the Immigration and Nationality Act of 1952. Immigration increased quickly after the war, however, partially because of new legislation (i.e., the Displaced Persons Act of 1948 and the Refugee Relief Act of 1953) that relaxed or waived some quotas to allow immigration of war brides, refugees, and orphans.

Until the 1960s, most immigrants to the United States originated from Europe, with smaller numbers arriving from Asia and other countries in the Western Hemisphere. In the 1960s, the national origins principle of determining immigration quotas was discontinued after 40 years of use. During the 1960s and 1970s, various legislations allowed for the immigration of refugees fleeing from political upheavals in specific countries and due to fear of persecution because of race, religion, or political beliefs. In October 1965, the Immigration and Nationality Act was amended putting in place the first numerical ceiling on the total number of immigrants into the United States while abolishing national quotas. The new system provided a ceiling of 290,000 immigrants, which was reduced to 270,000 in 1980.

During the 1980s and 1990s, an average of 150,000 immigrants were naturalized each year. At the same time, however, the number of illegal immigrants grew to become a significant issue with more than one million individuals apprehended annually throughout the country. At that time the Immigration and Naturalization Service (INS) estimated that there were three to six million illegal immigrants in the country with Mexicans making up the largest number of legal and illegal immigrants to the United States. Among its responsibilities, the INS oversaw the detention of individuals awaiting immigration hearings and those awaiting deportation.

1.4 Department of Homeland Security

Following the terrorist attacks of September 11, 2001, DHS was formed, and among the agencies comprising DHS is ICE. ICE is responsible for protecting national security and upholding public safety by targeting criminal networks and terrorist organizations that seek to exploit vulnerabilities in the nation's immigration system, financial networks, along its borders, at federal facilities, and elsewhere. Strengthening the nation's capacity to detain and remove criminal and other deportable immigrants is a key component of ICE's strategy to deter illegal immigration and protect public safety.

ICE maintains various operational divisions, each composed of a number of law enforcement, intelligence or mission support positions. ERO has primary responsibility for housing individuals who have been apprehended through law enforcement actions and then removing those individuals who, after adjudication of their case, have been ordered to leave the United States.

1.5 Compliance with the National Environmental Policy Act

To effectively manage a portion of the detained noncitizen population, ICE is proposing to contract for comprehensive detention services with a private detention center contractor for a population of up to 600 males and females (the Proposed Action). Such an action has the potential to affect the quality of the human environment and therefore, needs to comply with NEPA. This is to ensure that the potential environmental impacts associated with the proposed action are thoroughly analyzed and documented and that compliance is achieved with NEPA and other environmental statutes including the Clean Air Act of 1974; the Clean Water Act and Amendments, the Endangered Species Act of 1973; the National Historic Preservation Act of 1966; and the Farmland Protection Policy Act of 1981, among other applicable regulations and Executive Orders (EOs).

Preparation of environmental documentation and its consideration by federal, state, and local officials, regulatory agencies, stakeholders, and the public has been carried out to demonstrate that DHS/ICE understands and have considered the potential environmental impacts associated with the proposed action. This includes consideration of the potential impacts associated with providing comprehensive detention serves at the ARC and the attainment of the proposed action's objectives. To adequately assess potential impacts, the analysis involved a multi-disciplinary approach to gathering and analyzing environmental documentation that addresses:

- Baseline conditions including the natural and man-made environments;
- Potential environmental impacts of the No Action and Proposed Action alternatives and required mitigation;
- A listing of individuals responsible for preparation of the document; and
- A listing of documents and other information sources consulted in the preparation of the documentation.

The environmental impacts of the proposed action are presented in a manner that defines the issues and provides a clear basis for choice among options by decision makers. If the analysis indicates potentially significant effects, which could be reduced to less-than-significant levels with mitigation measures, the document also describes those mitigation measures.

The information and analyses provided within this EA are dependent upon the nature of the environment in which the ARC is located and the range and complexity of the potential impacts. The level of analysis and detail provided herein is commensurate with the magnitude of the expected impact. The analysis of each environmental factor (e.g., biological resources, cultural resources, and air and noise quality, etc.) was developed to the extent necessary to support reasonable conclusions about the degree of expected impacts to that resource.

In furtherance of its commitment to the goals and objectives of NEPA, preparation of this EA was undertaken to independently document the potential environmental impacts associated with the proposed action. News articles, publications, and other indications of interest on the part of the public regarding the proposed action were considered during preparation of the EA.

Based on the documentation represented by this EA, ICE will prepare a separate environmental analysis to independently determine the potential environmental impacts associated with the proposed action. The ICE-prepared document will be widely circulated among elected and appointed officials, regulatory agencies, stakeholders, and others to allow for a public review and comment period lasting no less than 30 days. At that time, individuals with an interest in the proposed action will have an opportunity to review the analyses and offer additional information that should be considered by ICE during the decision-making process. Following the end of the public comment period, the agency will issue its decision as to whether it will or will not proceed with the proposed action.

2.0 Project Background

2.1 Existing Conditions

The procurement requires detention facilities to be within 50 driving miles of the ERO Field Office, at 970 Broad Street in Newark, New Jersey. To accommodate a portion of the detained noncitizen population under ICE jurisdiction, use of the ARC is proposed. The ARC, constructed in 1963, with additions in 2004 and 2008, consists of approximately 115,000 square feet of floor space within three attached structures. The ARC has a rated capacity of 960 beds and a total capacity of 1,046 beds, allowing 86 beds to be used for segregation as necessary. Until 2022, the ARC operated as a prison housing State of New Jersey inmates.

2.2 Project Location

The ARC is located at 375-377 Enterprise Avenue in Trenton, New Jersey 08638. The ARC, developed within a 4.34-acre property, is east of U.S. Route 1 and west of Enterprise Avenue which forms its eastern border (Exhibits 2-1, 2-2, and 2-3). Together the property and the connected ARC structures comprise the "project site." The procurement requires the detention facilities to be within 50 driving miles of the Newark ERO Field Office; the ARC is 48.8 driving miles from the ERO Field Office.

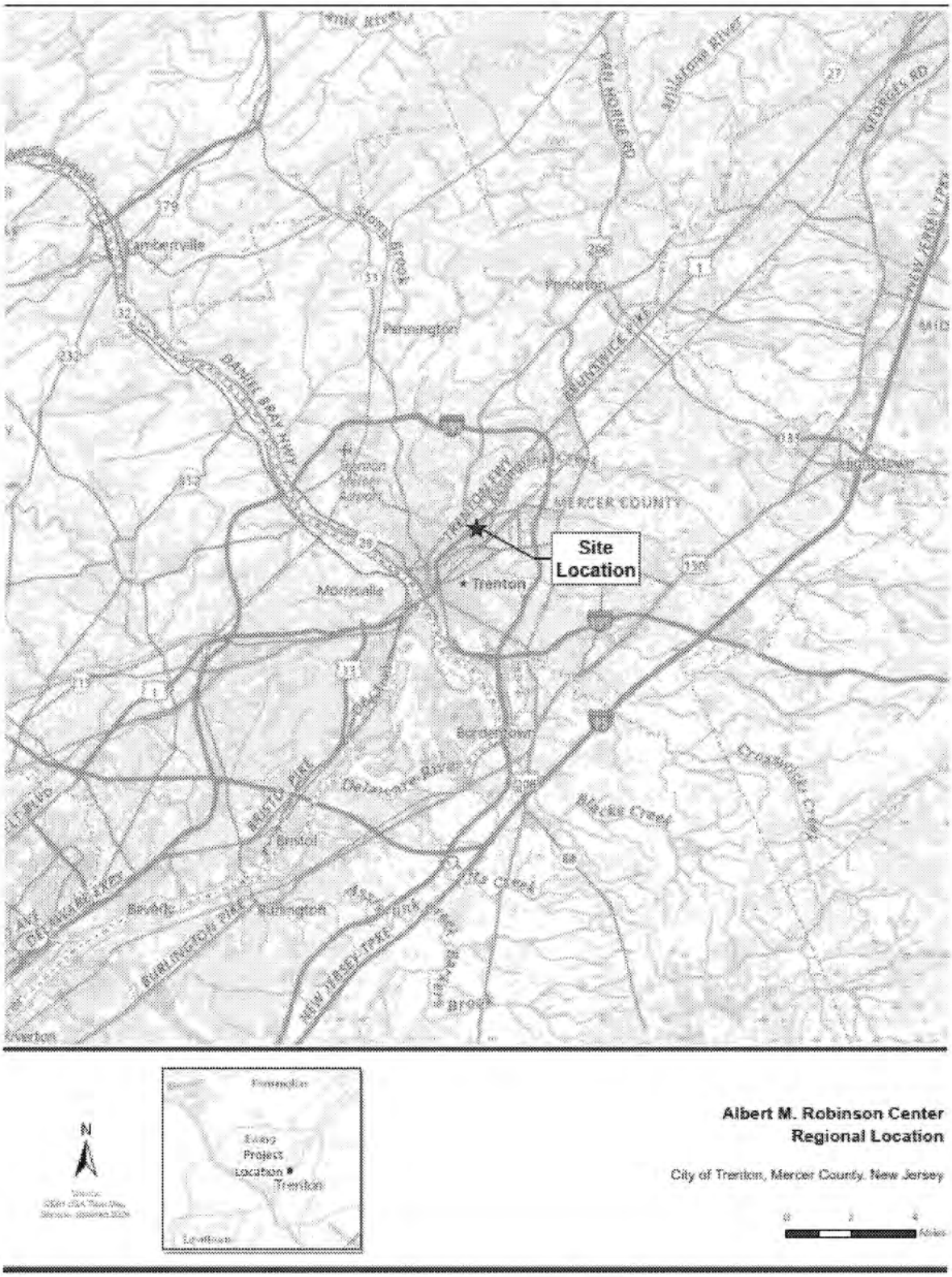


Exhibit 2-1: Regional Location - Albert M. "Bo" Robinson Center

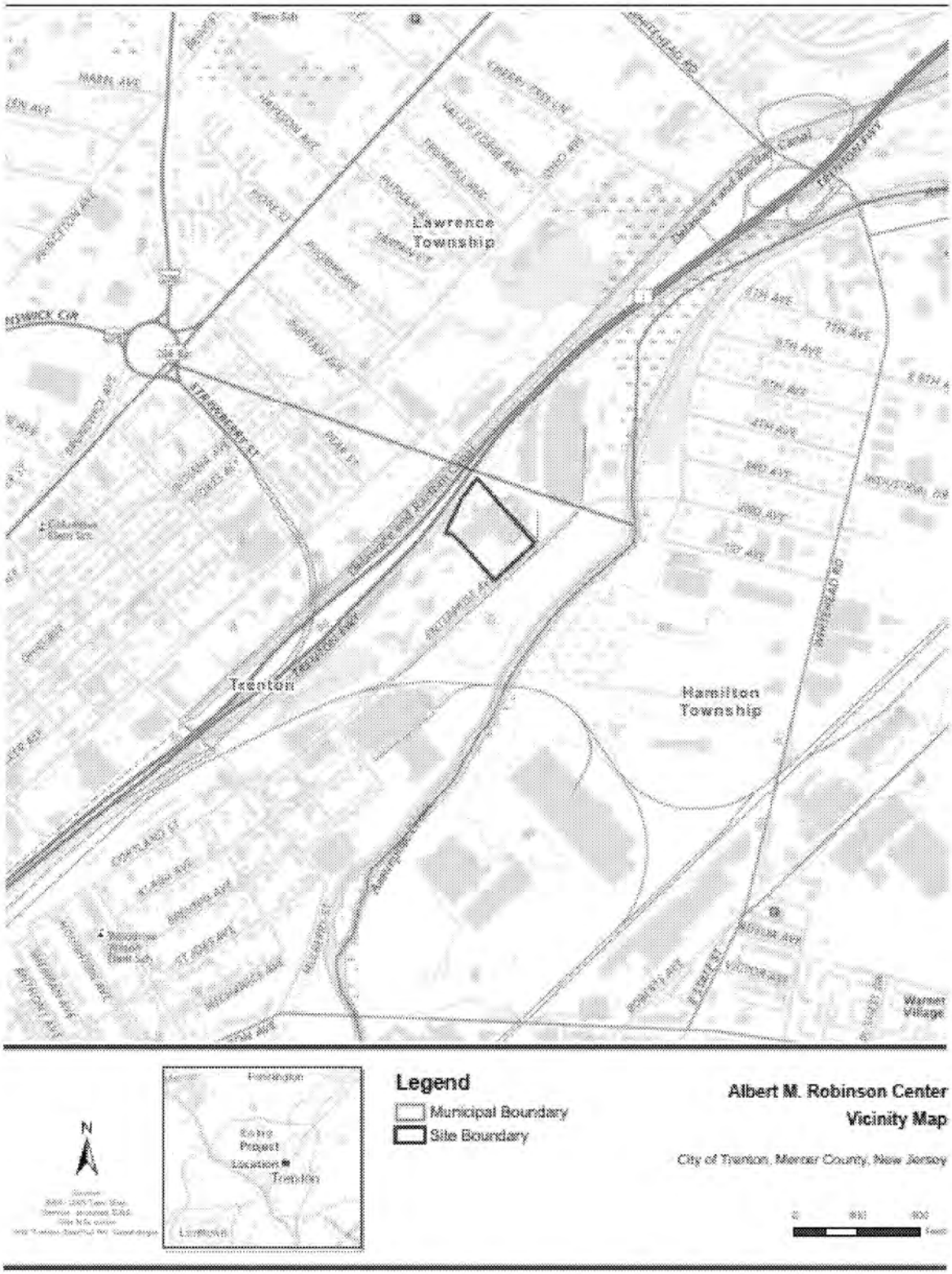


Exhibit 2-2: Vicinity Map - Albert M. "Bo" Robinson Center

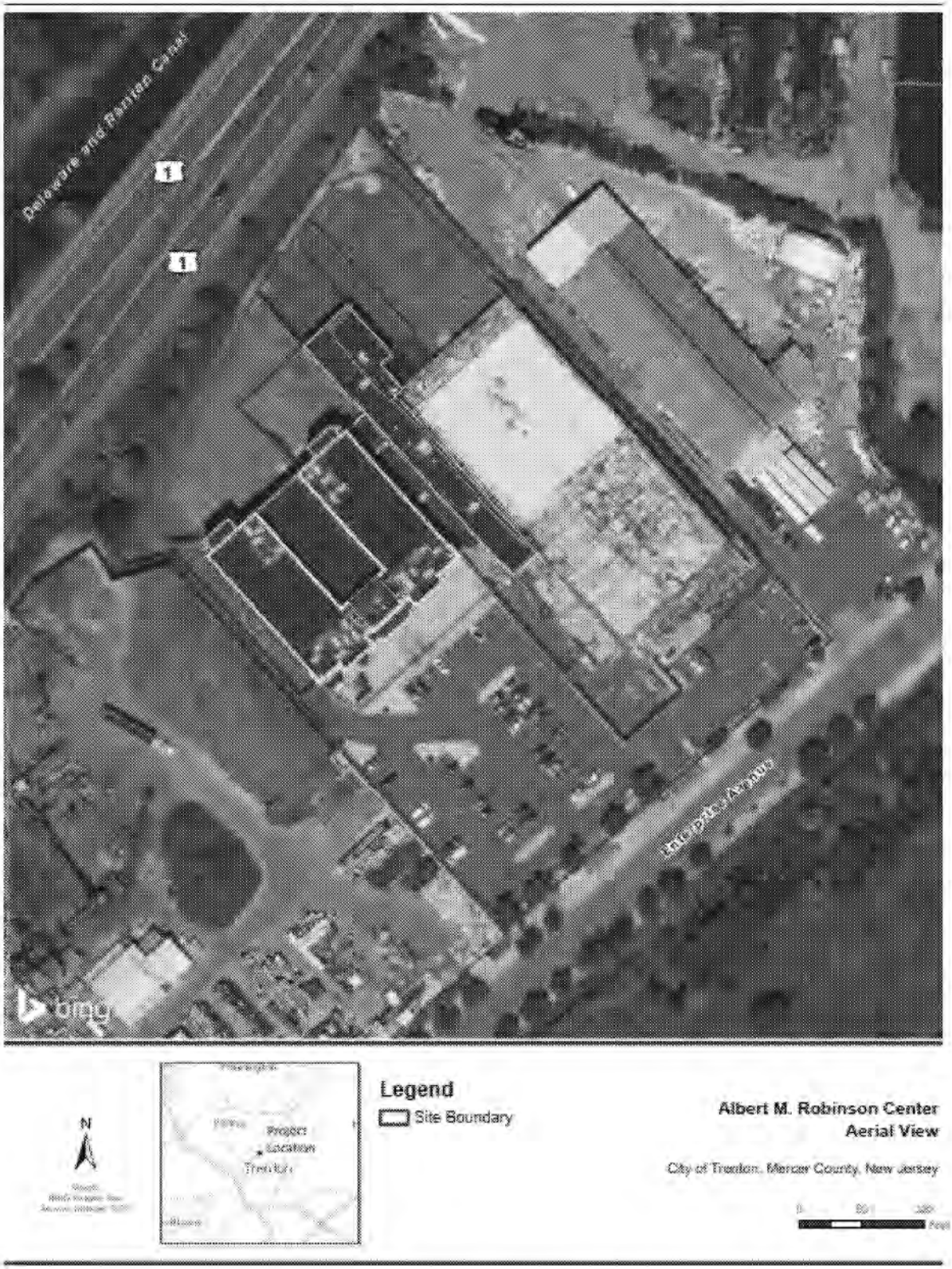


Exhibit 2-3: Aerial View - Albert M. "Bo" Robinson Center

3.0 Purpose and Need for the Proposed Action

3.1 Scope and Content of the Analysis

DHS/ICE relies upon facilities owned and operated by DHS/ICE and non-DHS/ICE-owned facilities that are accessed through intergovernmental service agreements or direct contracts with contractor-owned and operated facilities. DHS/ICE-owned facilities housing a portion of the detained noncitizen population are located across the United States with most found along the southern and northern borders of the U.S. in Texas, California, Florida, Arizona, and New York. The size, configuration and bed capacity of the DHS/ICE facilities varies with each generally operating at full capacity throughout much of the year. Other detained individuals are held in state and local facilities or in contractor-owned and/or operated facilities with the majority of detained noncitizens housed and serviced in non-DHS/ICE-owned and operated facilities.

To accommodate the number of individuals under its jurisdiction, ICE is considering awarding a contract for comprehensive detention services to house and manage a population of detained male and female noncitizens. To do so, use of the ARC is proposed. The ARC would provide the services required by ICE to safely house and manage detained noncitizens in compliance with applicable detention codes, standards, and licenses while they await legal proceedings and processing.

Use of the ARC would be via a contract with DHS/ICE for comprehensive detention services. Under the procurement, the detention contractor would be responsible for ensuring that the ARC is operated in a manner consistent with the mission of ICE. Facilities housing the detained population would operate in compliance with ICE detention standards, which encompass rights covering a broad range of areas including access to legal services, medical treatments, religious services, and recreational activities. DHS/ICE standards related to legal services include visitation rights, access to legal materials, use of telephones, and group presentations on legal rights. Services and programs for the detained population would be developed and implemented to comply with DHS/ICE contract requirements and applicable federal, state and local laws and regulations.

3.2 Decision to be Made

The decision to be made by DHS/ICE is whether to award a contract for comprehensive detention services for a population of 600 individuals to be held at the ARC. The center would provide safe and secure conditions of confinement based on the characteristics of the detained population; access to legal resources and services; recreation spaces; dining service; medical care; visitation, including private areas for attorney-client visits; controlled freedom of movement; and religious services and social programs. Use of the ARC will facilitate the effective and efficient implementation of ICE's mission to safely house and manage detained noncitizens in compliance with applicable detention codes, standards and licenses while they await legal proceedings and processing as prescribed by law.

3.3 Consultations/Engagement

U.S. Fish and Wildlife Service (USFWS), U.S. Army Corps of Engineers (USACE), and the New Jersey Department of Environmental Protection (NJDEP) were notified of the proposed action and asked to provide input regarding potential impacts (Appendix A). Additionally, the interests and comments of local elected and appointed officials as well as the populations at large residing in the City of Trenton and Mercer County were taken into consideration. The ARC was constructed in 1963, with additions in 2004 and 2008, and operated effectively as a prison housing State of New Jersey inmates until it was vacated in 2022. It is expected that resuming operation of the ARC to house detained noncitizens under ICE jurisdiction will also be effective.

4.0 Proposed Action and Alternatives

Guidelines for the preparation of EAs for federal projects or actions, require an investigation and evaluation of alternatives to the proposed project or action based "on the information and analysis presented in the sections on the Affected Environment (40 CFR 1502.15) and the Environmental Consequences (40 CFR 1502.16)." The guidelines state that the EA "should present the environmental impacts of the proposal and the alternatives in comparative form, thus clearly defining the issues and providing a clear basis for choice." The guidelines further state that the alternatives analysis (40 CFR 1502.14) is required to:

- Evaluate reasonable alternatives to the proposed action, and, for alternatives that the agency eliminated from detailed study, briefly discuss the reasons for their elimination.
- Discuss each alternative considered in detail, including the proposed action, so that reviewers may evaluate their comparative merits.
- Include the No Action Alternative.
- Identify the agency's preferred alternative or alternatives, if one or more exists, in the EA and identify such alternative in the EA unless another law prohibits the expression of such a preference.
- Include appropriate mitigation measures not already included in the proposed action or alternatives.
- Limit their consideration to a reasonable number of alternatives.

The analysis conducted as part of this EA addresses the No Action Alternative and Proposed Action Alternative. A discussion of these alternatives follows. No other reasonable alternatives outside the jurisdiction of DHS/ICE have been identified or warrant inclusion in this EA.

4.1 Proposed Action Alternative

The Proposed Action Alternative consists of awarding a contract for comprehensive detention services for a population of 600 adult male and female noncitizens, in conformance with appropriate standards and requirements at the ARC. The ARC would provide for general population, intake, segregated housing, and medical beds. Drawings of the ARC are included as Appendix B.

Operation of the ARC would be required to meet all ICE requirements and standards. The number of contractor detention center staff (all shifts, full time equivalents) on site to operate and maintain the ARC at full capacity (600 individuals) is estimated at 225 to 250. The facility includes parking to accommodate visitors, attorneys, contractor employees, government staff, in addition to buses and other vehicles for transporting detained individuals. Vehicular access from Enterprise Avenue in Trenton, New Jersey would continue to be used to arrive and depart the ARC. No other actions involving ICE and its use of the ARC are proposed or evaluated in this EA.

4.2 No Action Alternative

The No Action Alternative is defined as a decision by DHS/ICE to not proceed with award of a contract to a detention center contractor for comprehensive detention services for a portion of the detained noncitizen population under ICE jurisdiction. Instead, ICE would continue the current arrangement whereby detained noncitizens are housed in facilities owned and operated by ICE and other public and private contract detention facilities.

Under the No Action Alternative, potential environmental impacts associated with the proposed action, such as noise levels, energy consumption, air emissions, traffic and transportation movements, and utility services would not occur. While the No Action Alternative would avoid these potential impacts, adoption of this alternative would also result in the loss of many positive benefits. The No Action Alternative would not contribute to achieving the mission of ICE, the societal benefits derived from effective and efficient

operation of the nation's immigration system, and positive impacts to the local and regional economies resulting from employment and business opportunities associated with housing and managing a portion of the detained noncitizen population.

The No Action Alternative, by definition, does not meet the purpose and need for the proposed action and does not address the capacity requirements facing ICE. The No Action Alternative is not viable and therefore has been eliminated from consideration. However, in order to compare and contrast the potential impacts of the Proposed Action, the No Action Alternative is carried forward and discussed in Chapter 5.0.

4.3 Preferred Alternative

The Alternatives Analysis has assessed the No Action and Proposed Action Alternatives pursuant to NEPA guidelines. In light of the consideration of alternatives, awarding a contract for comprehensive detention services for a population of 600 detained male and female noncitizens in a contract detention facility within 50 driving miles from the ERO field office in Newark, New Jersey is considered to be the Preferred Alternative as the best means to meet the needs of ICE. The Preferred Alternative includes providing comprehensive detention services for 600 adult male and female noncitizens at the ARC in Trenton, New Jersey.

The Proposed Action Alternative meets the purpose and need for the action, which is to provide comprehensive detention services for a population of detained noncitizens in a contract detention facility and is the alternative preferred by ICE. Services and programs would be implemented to comply with DHS/ICE contract requirements and applicable federal, state and local laws and regulations. Potential impacts of implementing the preferred alternative at the ARC in Trenton, New Jersey are examined in the remainder of the EA.

5.0 Affected Environment, Environmental Consequences, and Recommended Mitigation

5.1 Introduction

Implementation of the proposed action has the potential to affect environmental resources found in and around the ARC as well as resources which exist beyond the boundaries of the project site. This chapter examines environmental resources that have the potential to be affected by implementation of the proposed action involving the ARC. Both natural resources, including topographic features, geology and soils, hydrological and biological resources among others, as well as community resources such as socioeconomic factors, land use, utility services, and transportation networks, are addressed. Each resource description focuses on the relevant attributes and characteristics of that resource with the potential to be affected by the proposed action or that represent potential encumbrances to the proposed action.

NEPA regulations direct federal agencies to access any direct and/or indirect adverse environmental effects which cannot be avoided should the proposed action be implemented, and the means to mitigate adverse impacts if they occur. The NEPA regulations also instruct federal agencies to consider both beneficial and adverse impacts of the proposed action in terms of public health, unique features of the geographic area, the precedential effect of the action, public opinion concerning the action, and the degree to which the impacts are uncertain. Mitigation measures are identified as those actions that would reduce or eliminate potential environmental impacts that could occur as a result of construction or operation of the proposed project or action. Mitigation, as defined by the NEPA regulations, includes:

- "Avoiding the impact altogether by not taking a certain action or parts of an action";
- "Minimizing impacts by limiting the degree or magnitude of the action and its implementation";
- "Rectifying the impact by repairing, rehabilitating, or restoring the affected environment";
- "Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action"; and
- "Compensating for the impact by replacing or providing substitute resources or environments."

The analyses that follow address the potential impacts associated with ARC operation to house 600 male and female detained noncitizens under ICE jurisdiction. Potential impacts and measures to mitigate potential adverse impacts associated with the proposed action are discussed under each topic. Integral to the analyses that follow is the proposed use of the existing ARC facility to house 600 detained noncitizens under ICE jurisdiction.

5.2 Topography

5.2.1 Existing Conditions

Central New Jersey, including Mercer County, lies within the Coastal Plain Physiographic Province, an area south and east of the Piedmont Province with a level to gently roiling landscape. Elevations in Mercer County range from near sea level along the Delaware River in the southwestern part of the county to 250 feet above mean sea level in the northern portion of the county. According to the United States Geological Survey (USGS) Trenton, NJ 7.5 Minute Series topographic map, the ARC property is located at an average elevation of 57 feet above mean sea level (Exhibit 5-1). The topography of the area of Mercer County, within which the ARC is located, is characterized as level with a slight downward slope to the southeast.

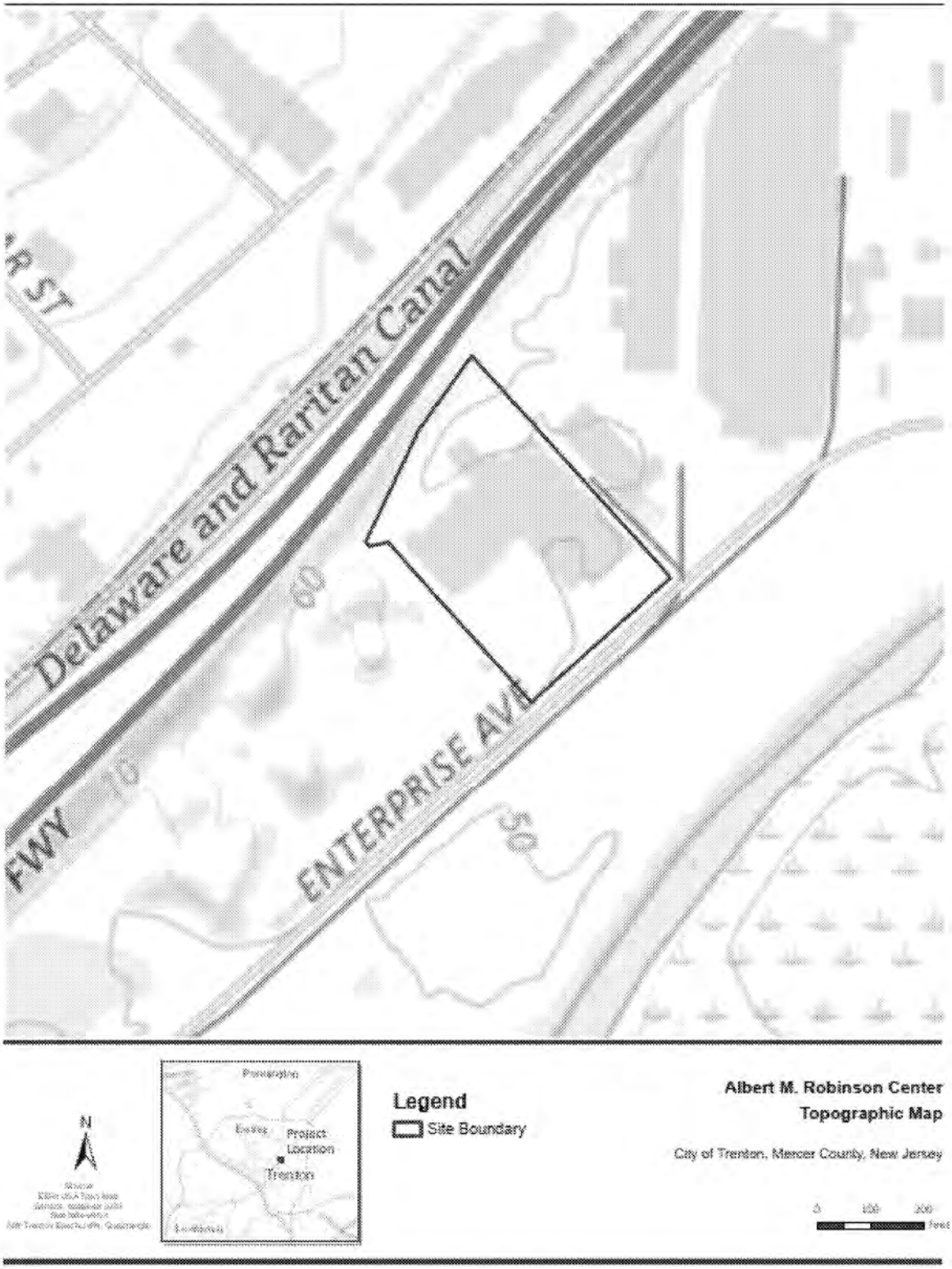


Exhibit 5-1: Topographic Conditions

5.2.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, topographic conditions would not be adversely affected, and mitigation measures would not be necessary.

b. Proposed Action Alternative

No new building construction or exterior alterations to the ARC are proposed and as a result impacts to topographic conditions would not occur.

5.2.3 Recommended Mitigation

In the absence of topographic impacts, no mitigating measures are warranted.

5.3 Geology

5.3.1 Existing Conditions

New Jersey comprises a geologically diverse portion of the United States' Middle Atlantic region, exhibiting a variety of geological formations comprising four distinct physiographic provinces (listed from south to north) the Atlantic Coastal Plain Province, the Piedmont Province, the Highlands Province, and the Ridge and Valley Province. Each province defines a region in which relief, landforms, and geology are significantly different from that of the adjoining and nearby regions. The boundary between each province is determined by a major change in topography and geology. The project location (Trenton, Mercer County) lies within the Coastal Plain Physiographic Province where the unconsolidated deposits of the Coastal Plain dip to the southeast and range in age from the upper Lower Cretaceous to the Miocene.

Elevations in the Coastal Plain range from 10 to 150 feet above mean sea level. The geologic materials consist mostly of sand, silt, clay, and gravel of marine or fluvial origin. There is, however, a ridge of pre-Triassic quartzite, gneiss, and schist that crops out in the Delaware River, where it forms the falls at Trenton. It extends eastward, at or very near the surface, as far as Princeton Junction. Except for outcrops in the Delaware River, along the beds of some of the creeks, and at one or two other places, the crystalline rocks of this ridge are covered by a veneer of Pleistocene sediments. The surface of the entire Coastal Plain section is, for the most part, nearly level or gently sloping.

Based on historical earthquake locations and the recurrence rate of fault ruptures, the USGS has produced seismic hazard maps that show, by contours, earthquake ground motions that have a common probability of being exceeded in a specified time period under specific geological conditions (USGS 2006). The predicted maximum amount of earthquake-induced shaking with a two percent probability of being exceeded in 50 years is shown on this map. The ground motion is expressed as a percentage of the force of gravity (percent g) and is proportional to the hazard faced by a particular type of building.

In general, little or no damage can be expected with ground motion values less than 10 percent g, moderate damage at 10 to 20 percent g, and major damage at values greater than 20 percent g. Mercer County, including the ARC, is situated on contours ranging from 4 to 8 percent g (Exhibit 5-2). Thus, the potential for damage from seismic activity is a moderate concern in this region of New Jersey.

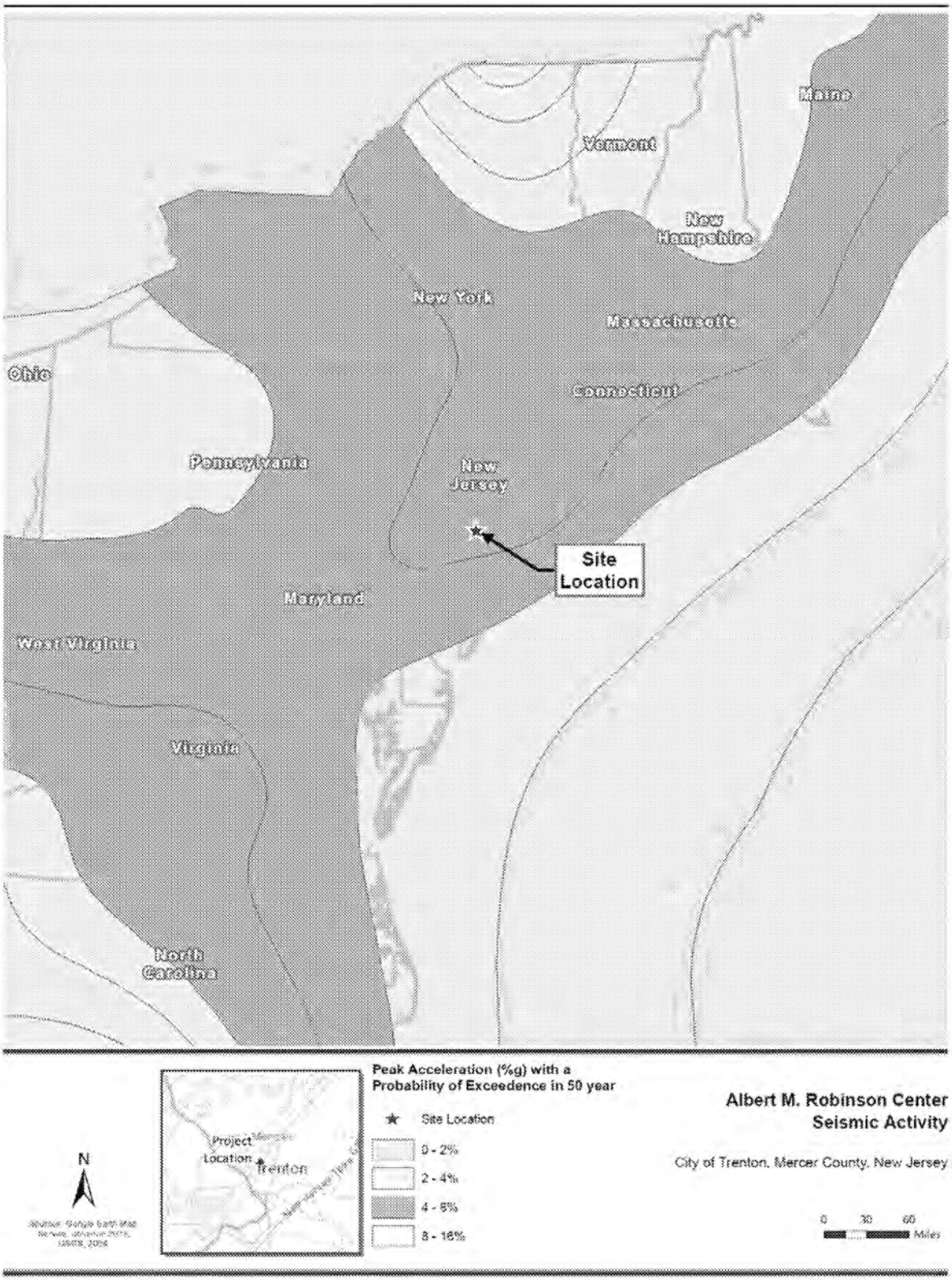


Exhibit 5-2: Seismic Activity Map

5.3.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, geologic conditions would not be adversely affected, and mitigation measures would not be necessary.

b. Proposed Action Alternative

No new building construction or exterior alterations to the ARC is proposed, therefore, no impacts to geological conditions are anticipated. Potential seismic hazards are discussed below.

- **Ground Shaking.** The intensity of ground shaking is highly dependent upon the distance to a fault, the magnitude of the earthquake, and the soil conditions beneath the site. The ARC is not in an area susceptible to ground shaking.
- **Primary Ground Rupture.** Primary ground rupture is ground deformation that occurs along the surface trace of the causative fault during an earthquake. The ARC is not known to be on or near an active fault and, therefore, is not susceptible to primary ground rupture.
- **Liquefaction.** Liquefaction is the transformation of a cohesionless (sandy) soil from a solid to a liquid state caused by an increase in pore pressure and a reduction in effective stress. It can occur when sandy soils are subjected to strong ground shaking. The potential for liquefaction at the ARC property is low.
- **Seismically Induced Settlement and Differential Compaction.** Seismically induced settlement and differential compaction occur when relatively soft or loose soils experience a reduction in strength caused by strong ground motion. Seismically induced settlement is not expected to occur at the ARC property.
- **Other Phenomena.** Other phenomena include earthquake-induced flooding and tsunamis. Because the ARC is not near or at elevations below major lakes, dams, or other large surface water bodies, these phenomena are not likely to occur.

5.3.3 Recommended Mitigation

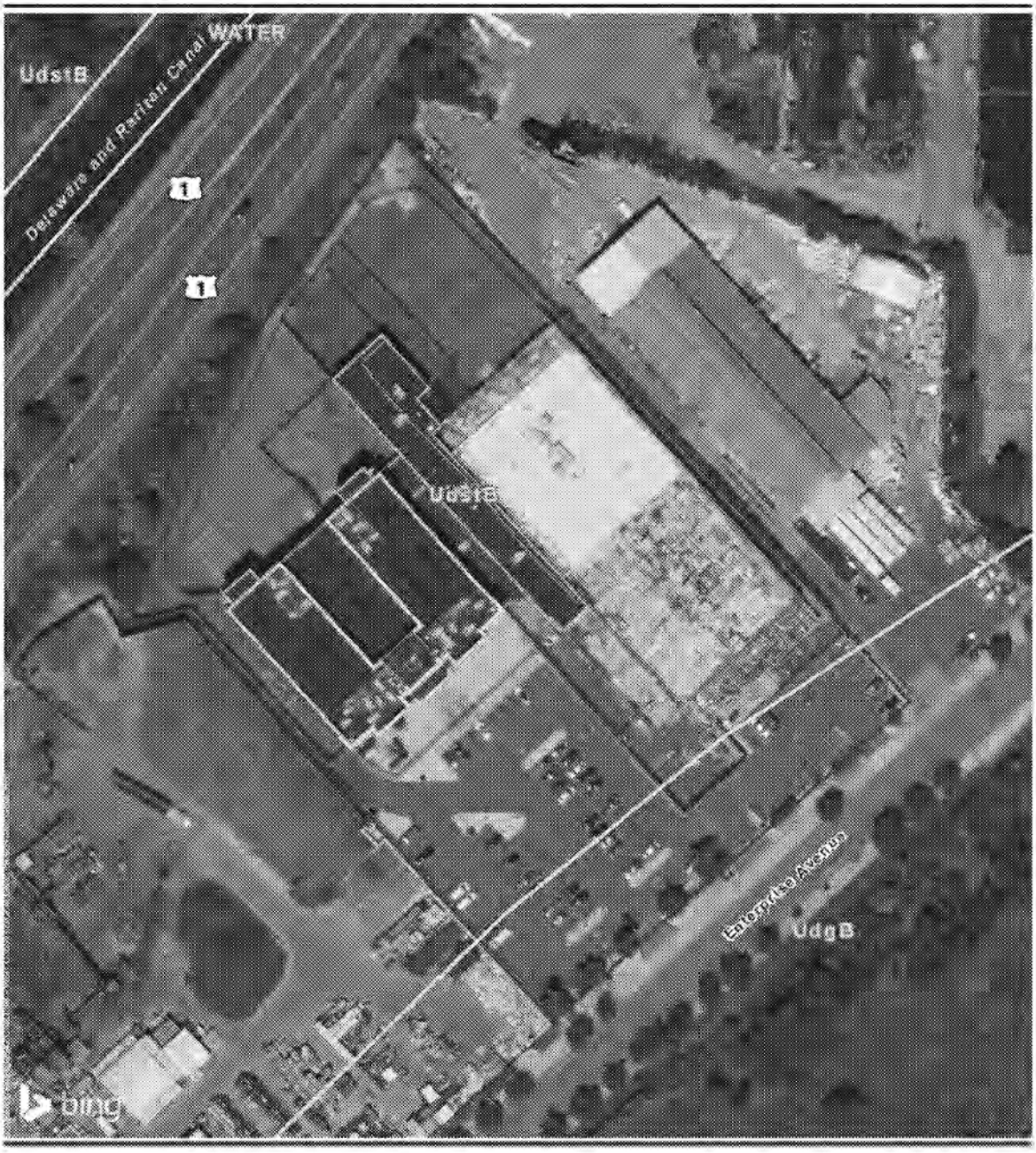
Adverse impacts to geological features and conditions are not anticipated and mitigating measures are not warranted.

5.4 Soils

5.4.1 Existing Conditions

The "Soil Survey of Mercer County, New Jersey" prepared by the U.S. Department of Agriculture (USDA), Soil Conservation Service (SCS) was used to identify soil types, descriptions, and limitations within Mercer County. Based on the Soil Survey, one soil mapping unit, Cut and fill land, stratified substratum, is identified within and around the ARC property (Exhibit 5-3).

This soil unit is found in areas where the original soil was removed and the underlying substratum, which is mostly sandy and stratified, was exposed; and areas in which sandy soil material was brought in as fill and deposited over the original soil. Slopes generally range from 0 to 5 percent, although small areas in which slopes are between 5 and 10 percent are also in this mapping unit. In the cut areas the texture of the material exposed is dominantly sandy. The permeability of the sandy and gravelly material is moderate to rapid and in most places are well drained. Most areas of this type have been developed for residential, commercial, or industrial uses.



Source: Soil Survey of Mercer County, New Jersey.

Exhibit 5-3: Soils Map

Prime farmland is protected under the Farmland Protection Policy Act (FPPA) of 1981, the intent of which is to minimize the extent to which federal programs contribute to the unnecessary or irreversible conversion of farmland to nonagricultural uses. Cut and fill land is not considered a prime farmland soil.

5.4.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, soil conditions would not be adversely affected, and mitigation measures would not be necessary.

b. Proposed Action Alternative

No new building construction or exterior alterations to the ARC are proposed, therefore, impacts to soil conditions are not anticipated. The Cut and fill soil unit found comprising the ARC property, is unsuitable for use as cropland, pasture, or rangeland. Areas defined as Cut and fill land are not considered prime farmland and therefore the FPPA does not apply. There are no agricultural activities currently underway within or around the ARC property, therefore, the proposed action would pose no adverse impact to agricultural activities.

5.4.3 Recommended Mitigation

Adverse impacts to soil characteristics and conditions are not anticipated and mitigating measures are not warranted.

5.5 Hydrology and Water Resources

5.5.1 Existing Conditions

a. Surface Water Resources

The western two-thirds of the Coastal Plain section in Mercer County is drained by Assunpink Creek, Miry Run, and Crosswicks Creek which flow into the Delaware River. The remaining one-third is drained by Big Bear Brook and Rocky Brook, which flow into the Millstone River. There are water resources on the ARC property with the nearest water bodies being the Delaware and Raritan Canal, 160 feet west of the ARC property, and the Assunpink Creek, 375 feet east of the property.

b. Floodplain Considerations

EO 11988, Floodplain Management, defines floodplains as the lowland and relatively flat areas adjoining inland waters, including at a minimum, that area subject to a one percent or greater chance of flooding in any given year. The area subject to a one percent chance of flooding is referred to as the 100-year floodplain. EO 11988 also established a general policy and specific requirements for compliance by federal departments and agencies to avoid, to the extent possible, the long- and short-term adverse impacts associated with the occupancy and modification of floodplains and to avoid the direct or indirect support of floodplain development whenever there is a practicable alternative.

The ARC property is located outside flood hazard Zone X on the FEMA Flood Insurance Rate Map (Exhibit 5-4). Zone X is a flood insurance rate zone used for areas outside the 0.2-percent-annual-chance (500-year) floodplain and is an area of minimal flood hazard.

Exhibit 5-4: Floodplains Map

c. Groundwater Resources

Under natural, undisturbed conditions, shallow groundwater flow generally follows the topography of the land surface and on this basis, groundwater is expected to flow across the ARC property towards the southeast in the direction of the Assunpink Creek. There are no wells tapping groundwater located within the ARC property.

d. Wild and Scenic Rivers

There are approximately 6,450 miles of river in New Jersey, of which 263 miles, or four percent, are designated as wild and scenic. All rivers so designated are in northwestern and southern New Jersey and well away from the City of Trenton and Mercer County.

5.5.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, hydrology and water resources would not be adversely affected, and mitigation measures would not be necessary.

b. Proposed Action Alternative

No new building construction or exterior alterations to the ARC are proposed and no new impervious surfaces would be added. As a result, adverse impacts to surface waters, groundwater, floodplains, and Wild and Scenic Rivers would not result from the proposed action.

5.5.3 Recommended Mitigation

Adverse impacts involving hydrology and water resources are not anticipated and no mitigating measures are warranted.

5.6 Biological Resources

5.6.1 Existing Conditions

Biological resources have been determined through the use of available database inventories, maps, and a field inspection. The maps included USGS topographic maps and USDA aerial photographs. Habitats within the project site were analyzed and compared to habitat requirements of species known to occur in the surrounding area, including species of special status, to assess their potential for area use.

a. Vegetation

The ARC property is completely developed with only a small number of trees and shrubs used as landscaping along Enterprise Avenue.

b. Common Wildlife

The high degree of development and human activity already excludes most native wildlife. The property contains no natural habitat and any wildlife found in the area consist solely of common species that are adapted to urban environments. Wildlife expected to utilize the property include small terrestrial mammals, birds, insects, and arachnids.

c. Wetlands and Waters of the U.S.

Wetlands are defined as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal conditions do support a prevalence of vegetation typically adapted for life in saturated soil conditions (33 CFR, Part 328.3). Wetlands are identified by three elements: hydrology, hydric soils, and vegetation. The USACE regulates dredge and fill activities in wetland areas through its permit program pursuant to Section 404 of the Clean Water Act (33 CFR, Parts 320-329, November 13, 1986, and 33 CFR, Part 330, November 22, 1991).

Pursuant to EO 11990 (Protection of Wetlands) and Section 404 of the Clean Water Act, efforts were made to determine whether any potential jurisdictional wetlands and waters of the U.S. are within the ARC property. The USGS 7.5-minute topographic map (USGS 2018), USDA Web Soil Survey, and the National Wetland Inventory (NWI) map (USFWS 2023), were reviewed to determine the likelihood of jurisdictional wetlands on site. The USGS topographic map, USDA Web Soil Survey, and NWI map show that there are no streams, wetlands, or hydric soils within the ARC property.

There are no water resources on the ARC property with the nearest bodies of water being the Delaware and Raritan Canal, 160 feet west of the ARC property, and the Assunpink Creek, 375 feet east of the property (Exhibit 5-5). The review of aerial photographs, topographic maps, NWI maps, and soil survey was supplemented with a field inspection which confirmed that there are no streams, wetlands, or waters of the U.S. within the property.

a. Species of Special Status

Actions by federal agencies are performed in consultation with the USFWS to ensure compliance with Section 7 of the Endangered Species Act and with state laws protecting special status species. Special status vegetation and wildlife species are of particular concern given the challenges associated with development in or near such habitats. To determine whether the proposed action may impact any special status species and their habitats, information from the USFWS and NJDEP was acquired regarding rare species with the potential to occur on or near the project area.

An Official Species List obtained from the USFWS Information, Planning, and Conservation (IPaC) system on July 11, 2024, indicates that one federally listed species, one proposed endangered species, and one candidate species may occur within the vicinity of the Proposed Action: the endangered northern long-eared bat (*Myotis septentrionalis*), the proposed endangered tricolored bat (*Perimyotis subflavus*), and the candidate for listing monarch butterfly (*Danaus plexippus*) (Appendix C). The project site does not contain critical habitat or proposed critical habitat for these or any other species. Descriptions of these species and their habitats are summarized below from NJDEP and USFWS species profiles.

- **Northern long-eared bat**: The federally endangered northern long-eared bat is a medium-sized bat that is distinguished by its long ears, particularly as compared to other bats in its genus. The northern long-eared bat is found across much of the eastern and north central United States. White-nose syndrome is the predominant threat to this bat, especially throughout the northeast where the species has declined by up to 99 percent from pre-white-nose syndrome levels at many hibernation sites. Northern long-eared bats spend winter (November 1 to March 31) hibernating in caves and mines and then emerge in early spring. During the active season (April 1 to October 31), northern long-eared bats utilize a wide variety of forested/wooded habitats where they roost, forage, and travel. They may also utilize some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields, and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥3 inches diameter at breast height that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet of forested/wooded habitat.

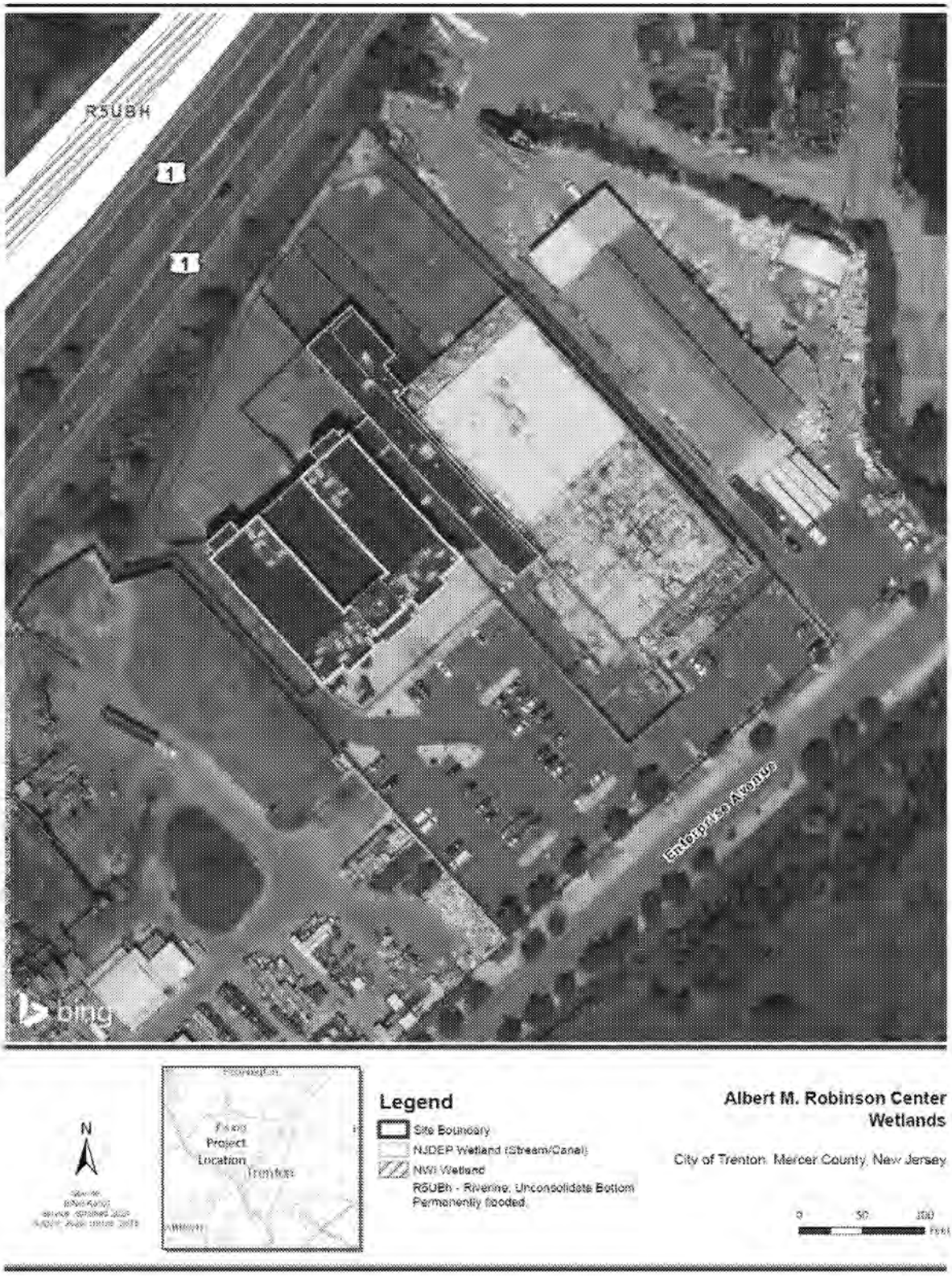


Exhibit 5-5: Wetlands Map

No forested habitat is present within or adjacent to the project site. Northern long-eared bats are not expected to utilize the ARC property due to the developed nature of the property, adjoining industrial developments, heavily trafficked nearby roadways, and human activity.

- **Tricolored bat**: The tricolored bat is one of the smallest bats native to North America. As its name suggests, the tricolored bat is distinguished by its unique tricolored fur that appears dark at the base, lighter in the middle, and dark at the tip. The once common species is wide ranging across the eastern and central United States and portions of southern Canada, Mexico and Central America. During the winter, tricolored bats hibernate in caves and mines. Most mating occurs in the fall, with delayed fertilization and twin pups born in spring. During the spring, summer and fall, tricolored bats are found in forested habitats where they roost in trees, primarily among leaves. Their preferred foraging habitat is forest edges and waterways.

  Tricolored bats are not expected to utilize the ARC property due to the developed nature of the property, lack of forested habitat within or adjacent to the site, adjoining industrial developments, heavily trafficked nearby roadways, and human activity.

- **Monarch butterfly**: Monarch butterflies are a bright orange color with black and white markings and a wingspan between 3.5 and 4 inches. The caterpillars have many yellow, black and white bands and antenna-like appendages at each end of their body. Monarch caterpillars feed almost exclusively on milkweed and as adults feed on nectar from a wide range of flowers. They lay their eggs on milkweed; there are about 3 to 5 generations born each spring and summer and most of the offspring do not live beyond five weeks. Monarchs are migratory, journeying to central Mexico for the winter each year. In the spring, summer and early fall, they can be found wherever there are nectar-producing plants.

  Monarch butterflies are not expected to occur on site other than as a transient individual as vegetated areas that may contain milkweed or other native nectar plants are not present.

Migratory birds are protected by Migratory Bird Treaty Act of 1918 (MBTA) (40 Stat. 755, as amended; 16 U.S.C. 703-712). The USFWS Official Species List provides a Migratory Bird Resource List for project site. The list comprises USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention. The list indicates that there are 17 species of migratory birds that are protected under the MBTA that may occur in the vicinity of the project site. Due to the developed nature of the property, migratory birds are not expected to occur except as occasional transients.

Bald eagles (*Haliaeetus leucocephalus*) are protected by the Bald and Golden Eagle Protection Act of 1940 (BGEPA) (54 Stat. 240, as amended; 16 U.S.C. 668-668c). According to the USFWS Official Species List, bald eagles are known to occur in the vicinity of the project site. Bald eagles prefer undisturbed forested areas near large lakes and reservoirs, marshes and swamps, or stretches along rivers where they can find open water and their primary food, fish. Bald eagles nest, perch, and roost in old-growth and mature forest stands of conifers and hardwoods. The project site does not contain the forested habitat near waterbodies that bald eagles prefer. Based on the lack of suitable habitat, bald eagles are not anticipated to occur within the project site.

5.6.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, adverse impacts to biological resources would not occur, and mitigation measures would not be necessary.

b. Proposed Action Alternative

To meet mission needs, the proposed action allows for resumption of ARC operation during the period of performance. No new building construction or exterior alterations to the ARC are proposed.

- **Vegetation**

Given the developed nature of the ARC property, implementation of the proposed action alternative would result in no disturbance to vegetation.

- **Common Wildlife**

The ARC property consists developed land that does not provide quality habitat for wildlife. Impacts on the common wildlife species that may utilize portions of the ARC property are expected to be negligible and limited to avoidance of the ARC property due to noise and human activity.

- **Wetlands and Waters of the U.S.**

Regulated wetlands and waters of the U.S. are not present on site. Therefore, no USACE Section 404 permitting is anticipated. Wetland or water resources in the vicinity of the ARC would be unaffected given the absence of new building construction or exterior alterations, distance, and separation between the ARC and such resources.

- **Special Status Species**

Information provided by the USFWS indicates that the federally endangered northern long-eared bat, the proposed endangered tricolored bat, and the candidate for listing monarch butterfly may occur within the vicinity of the ARC if suitable habitat is present.

The project area consists of a developed institution with a large paved parking area that is subject to frequent disturbance by human activity from surrounding industrial activities. The proposed action would involve use of existing structures and surrounding paved surfaces with no new construction or exterior modifications proposed. There is no forested habitat within or adjacent to the property that would provide habitat for bats, and no tree removal is required as part of the proposed action. There are no vegetated areas that would provide habitat for monarch butterfly.

Based on known habitat requirements, suitable habitat for threatened and endangered species is not present within the project site. Implementation of the proposed action would have no effect on northern long-eared bat, tricolored bat, or monarch butterfly.

The proposed action is not likely to jeopardize the continued existence of any migratory birds. In addition, the proposed action would not result in the destruction or adverse modification of designated critical habitat of any such species. Similarly, the proposed action would not result in "taking" bald or golden eagles nor substantially interfere with normal breeding, feeding, or sheltering behavior that may cause injury, decreased productivity, or nest abandonment.

5.6.3 Recommended Mitigation

No adverse impacts to biological resources are anticipated and no mitigating measures are warranted.

5.7 Cultural and Historic Resources

5.7.1 Existing Conditions

The cultural resource requirement is met through compliance with Section 106 of the National Historic Preservation Act of 1966, as amended, which is implemented through regulations contained in 36 CFR Part 800. These regulations require federal agencies to consider the existing information, undertake

identification activities if the existing information is insufficient, determine whether any cultural resources contained within a given project area meet the criteria for eligibility for inclusion in the National Register of Historic Places (NRHP), determine the effect of the proposed action on significant historic properties, consult with the State Historic Preservation Office and afford the Advisory Council on Historic Preservation the opportunity to comment.

a. Archaeology

Due to extensive disturbances related to ARC development and associated infrastructure, the potential for intact archeological deposits or unrecorded archeological sites is low. No previously recorded archeological sites are located within the ARC property.

b. Architecture

A reconnaissance architectural survey was conducted to identify all of the resources within the APE to assess their eligibility for listing in the NRHP. Data collection for this survey involved the compilation of background information and review of previous architectural resource documentation. The APE for the architectural survey includes a 150-foot buffer around the ARC.

Background research indicates that no previously identified architectural resources are located in the APE. However, two properties, the ARC property and one warehouse that meet the 50-year age criterion for NRHP consideration are within the APE. The monitor roof warehouse, located at 391 Enterprise Avenue, was constructed sometime before 1930 (NETR 1931; NJ CRGIS Online Viewer). Several shed roof additions were constructed on the southeast side of the warehouse between 1984 and 1995 (NETR 1984, 1995). The ARC development property had no buildings; however, historic aerial photographs indicate that buildings were on the lot ca. 1960 (NETR 1958, 1963); but were replaced by 2008.

The ARC building at 377 Enterprise Avenue is comprised of a large 1963 warehouse with a narrow one story addition constructed in 2004 and a second three-story education center addition constructed in 2008. The 1963 warehouse, which is the only portion of the building that is over 50 years of age, has a flat roof, masonry walls and a concrete foundation. The main, southeast, elevation has a central double door flanked by fixed, multipaned windows that date to ca. 2008. The long, side elevations have numerous bays of paired aluminum windows (Exhibit 5-6).

The monitor roof warehouse at 391 Enterprise Avenue has metal siding and several awning additions. Other than these alterations, the building has a moderate degree of integrity of design, workmanship, and materials.

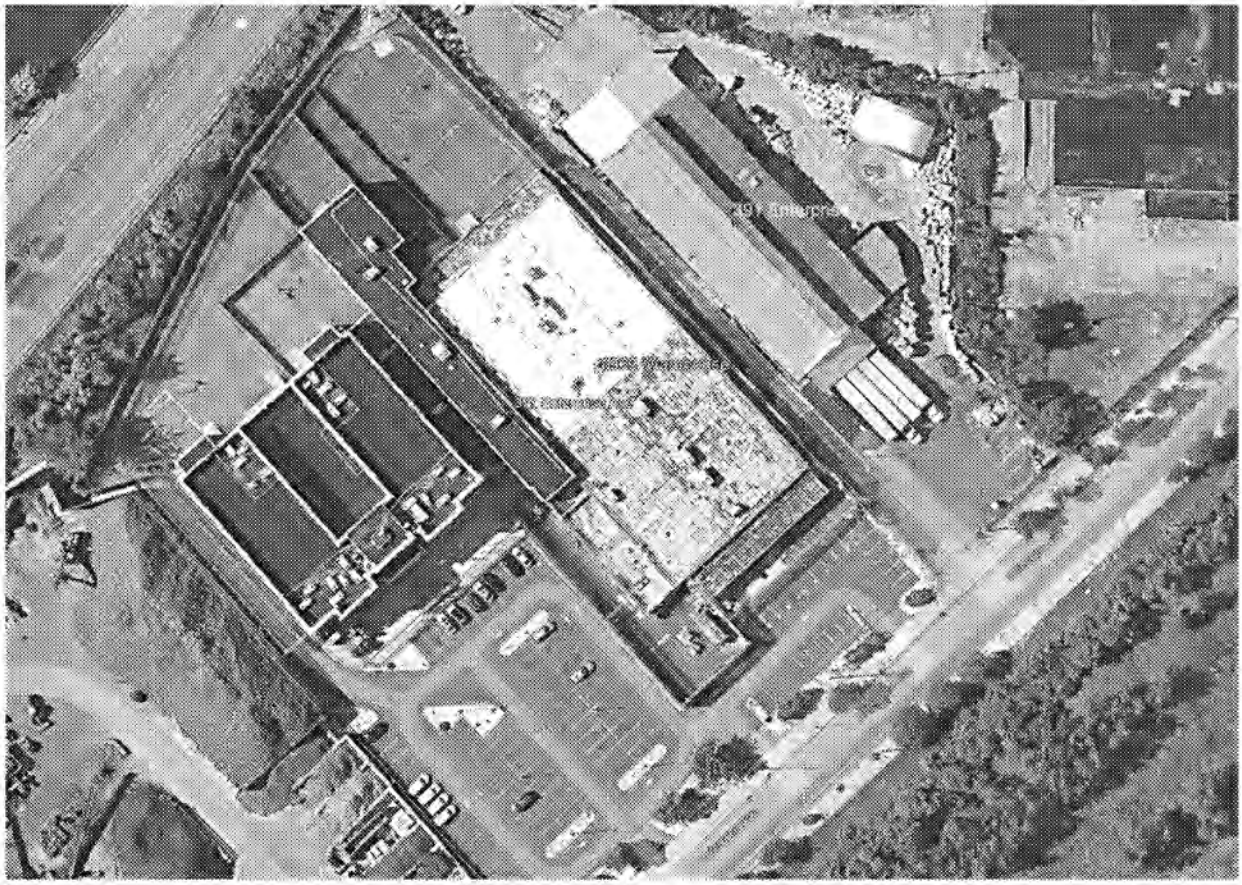
The ARC building at 377 Enterprise Avenue has been altered for its current use with the construction of two large additions and replacement of original windows. Consequently, the building has diminished integrity of design, materials, and workmanship. While the monitor roof warehouse has good integrity, it is a common example of its type that lacks distinction. It is the author's opinion that neither building is eligible for listing in the NRHP under Criteria A, B, or C.

5.7.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, cultural and historic resources would be unaffected, and mitigation measures would not be necessary.

Exhibit 5-6: Architectural Survey



Aerial View of ARC Buildings at 375-377 Enterprise Avenue

1930s Warehouse, 391 Enterprise Avenue, facing north/northwest

Source: WSP, July 2024.

Exhibit 5-6: Architectural Survey (continued)

Converted 1963 Warehouse at 377 Enterprise Avenue, facing northwest

ARC Buildings at 375-377 Enterprise Avenue, facing north/northwest

Source: WSP, July 2024.

b. Proposed Action Alternative

- **Archaeology**

Under the proposed alternative, no exterior alterations are proposed and thus no ground disturbance is anticipated for this project. Therefore, no adverse impacts to archaeological resources are anticipated.

- **Architecture**

The APE includes two buildings that are over 50 years old. No new building construction or exterior alterations are proposed and thus the proposed action will have No Effect to Historic Properties.

5.7.3 Recommended Mitigation

No adverse impacts to cultural and historic resources are anticipated and mitigating measures are not warranted.

5.8 Hazardous Materials

5.8.1 Existing Conditions

The ARC structures and property have been the subject of a Phase I Environmental Site Assessment (ESA). The purpose for conducting the Phase I ESA was to identify the presence of any Recognized Environmental Conditions (RECs), Business Environmental Risks (BERs), Controlled Recognized Environmental Condition (CREC), and/or Historical Recognized Environmental Conditions (HRECs) as defined by ASTM International (ASTM) Standard Practice E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. RECs are the presence or likely presence of any hazardous or petroleum products under conditions that indicate an existing release, a past release, or a material threat of release of such substances onto a subject property. A CREC is a recognized environmental condition affecting a subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances *or* petroleum products allowed to remain in place subject to implementation of required controls. A BER is a risk which can have a material environment or environmentally driven impact on the business associated with the current or planned used of a property.

Preparation of the Phase I ESA consisted of visual inspections of the ARC including the exteriors of the structures; a review of historical aerial photographs of the property; a review and evaluation of local, state, and federal environmental databases containing information on the property; and interviews with appropriate officials regarding past uses of the property (Appendix D). The following conditions have been identified at the ARC property.

- **Recognized Environmental Conditions:** The Phase I ESA identified no evidence of RECs.
- **Historical Recognized Environmental Conditions:** 375 Enterprise Avenue is listed in the NJ SPILLS database under Case Number 03-10-31-1543-11. According to the database, an incident occurred on October 31, 2003 and the incident status is listed as "terminated." Based upon the closure of the spill case, this listing is considered unlikely to impact upon the current environmental quality of the property and is considered to represent a HREC. The property at 377 Enterprise Avenue is listed in the NJ ISRA database under PI Number G000012753 with a case status of NFA (No Further Action) HISTORIC for case names EQUA FAB Incorporated and Royal Engineering Company. A review of the NJDEP Data Miner database for PI Number G000012753 did not provide any additional information. Based upon the No Further Action status, this listing is considered to represent a HREC.
- **Controlled Recognized Environmental Conditions:** A Deed Restriction is in place at 375 Enterprise Avenue (Block 23201, Lot 2) under Soil Remedial Action Permit # RAP210001 for contamination in soil related to historical operations and historical fill material. Based upon the environmental and institutional controls in place and the management of the property under the NJDEP LSRP, the listing of the property in the BROWNFIELDS, NJ ISRA, ENG CONTROLS, INST CONTROL, SHWS, and UST databases, and the former presence of ASTs and USTs, the ARC is considered to represent a CREC.
- **Business Environmental Risks**: There is a potential that per- and polyfluoroalkyl substances (PFAS) compounds were used at the property. It should be noted that, as of April 19, 2024, the USEPA have designated PFOA and PFOS as "hazardous substances" under CERCLA; therefore, under the ASTM E1527-21 Standard, All Appropriate Inquiries (AAI)-compliant Phase I ESAs must address these chemicals and shall conduct a review of a possible release. Historically,

PFOA/PFOS chemicals were introduced in the late 1930s and since the 1950s through industries including aerospace, semiconductor, medical, automotive, construction, electronics, and consumer products like carpets, clothing, furniture, and food packaging. Many products used by consumers and industry have been manufactured with or from these chemicals.

- **De Minimis Conditions:** The Phase I ESA did not identify any de minimis conditions in connection with the property.

5.8.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, the use, storage and handling of hazardous materials and the potential for contamination would be unaffected, and mitigation measures would not be necessary.

b. Proposed Action Alternative

Operation of the ARC would involve use of hazardous materials consisting of janitorial supplies, laundry detergents and sanitizers, paints, and other maintenance supplies. All such materials would be properly managed in labeled and locked storage areas with locked, explosion-and fire-proof cabinets provided in designated maintenance areas. ARC leadership and maintenance staff would be responsible for ensuring that policies and procedures for managing the use, storage, and handling of hazardous materials are implemented.

Routine operation of the ARC would also result in minor amounts of regulated wastes. A commercial contractor would be retained to provide waste containers and collect, store, and eventually dispose of any biohazardous medical waste produced by the health care unit. Hazardous materials and medical wastes would be handled in accordance with institution policies and procedures and applicable regulatory requirements.

The volume of hazardous wastes generated during ARC operation would have no adverse impact on the ability or availability of licensed handlers to collect and properly dispose of such wastes. As a result, the proposed action is not expected to result in the release of contaminants into the environment and adverse impacts are not anticipated.

5.8.3 Recommended Mitigation

Adverse impacts involving hazardous materials are not anticipated and mitigating measures are not warranted.

5.9 Fiscal Considerations

5.9.1 Existing Conditions

Fiscal considerations are those having to do with the public treasury or revenue. Potential fiscal impacts could, but do not always, include removal of private property from the public tax rolls; acquisition of private property through use of public funds; and other public expenditures related to a proposed action. Fiscal considerations of federal government-sponsored projects or actions, such as that involving the ARC, are of particular interest to local governments. This is due to the possible loss of tax revenues since federal government agencies typically do not pay property taxes or make similar payments to local governments for federal properties or facilities. In this case, the ARC is in private ownership and is not exempt from property taxes and other payments to local, county, state, and/or federal governments.

During 2023, the ARC contributed $118,000 per quarter ($472,000 annually) in property tax payments to the City of Trenton. In addition to property taxes, there are other annual tax payments, fees, licenses, and similar expenditures levied by state, county, and city agencies. The ARC has been vacant since 2022 and therefore payroll withholding taxes, employee withholding taxes, income taxes, or use tax payments, among other payments have not occurred.

5.9.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, there would be no adverse fiscal impacts, and mitigation measures would not be necessary.

b. Proposed Action Alternative

Implementation of the proposed action will result in a resumption of ARC operation and a resumption in the positive fiscal impacts from the taxes, fees, and other revenues contributed by operation of the ARC to the City of Trenton, Mercer County, and the State of New Jersey. In addition, positive fiscal benefits would be derived by the annual expenditures for labor, materials, supplies and services to operate and maintain the ARC, as well as from the secondary and tertiary economic activity associated with the center's employees and operation. Utility-related expenses are recouped through payment of user charges resulting in no adverse impact.

5.9.3 Recommended Mitigation

Adverse fiscal impacts are not anticipated and mitigating measures are not warranted.

5.10 Visual/Aesthetic Resources

5.10.1 Existing Conditions

The principal aesthetic features of the ARC, constructed in 1963, with additions in 2004 and 2008, consists of approximately 115,000 square feet of floor space within three attached structures containing housing; administrative offices, support services and functions; entrance driveway and parking area; and light fixtures and signage. The ARC is compatible with the surrounding commercial, warehouse, and industrial neighborhood in terms of building scale, site layout and setback, and exterior façade appearance. The ARC is unobtrusive and since its development has become a common feature on the landscape with aesthetic characteristics not considered unique (Exhibit 5-7).

5.10.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, there would be no adverse aesthetic and visual impacts, and mitigation measures would not be necessary.

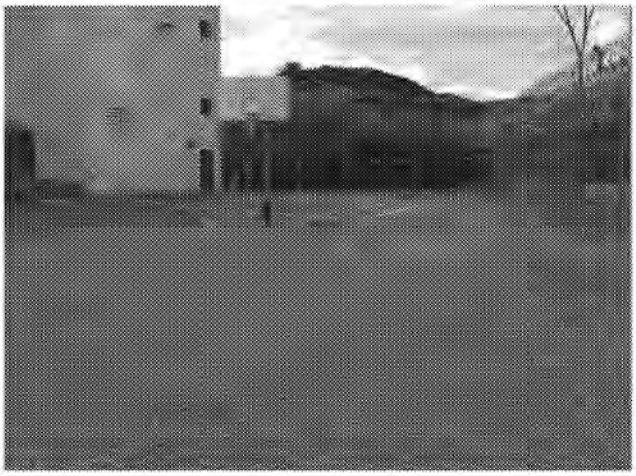
b. Proposed Action Alternative

No exterior alterations to the ARC are proposed and visual and aesthetic resources would be unaffected. The ARC has successfully coexisted with neighboring properties and the surrounding commercial and industrial environment since its development and would continue as a permanent feature on the

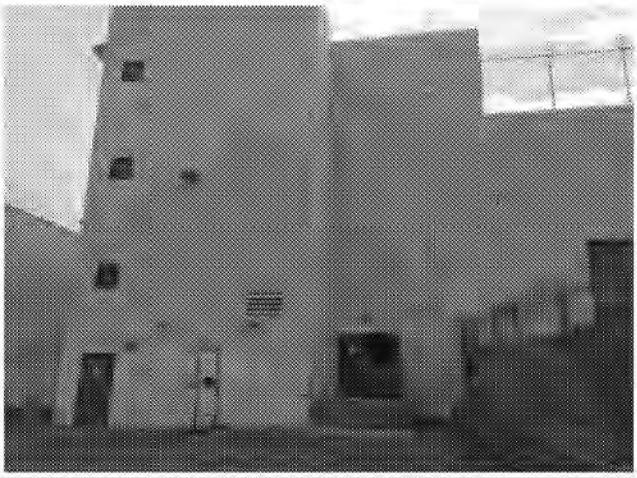
Exhibit 5-7: Representative Photographs – Albert M. "Bo" Robinson Center

View of ARC exterior towards northwest

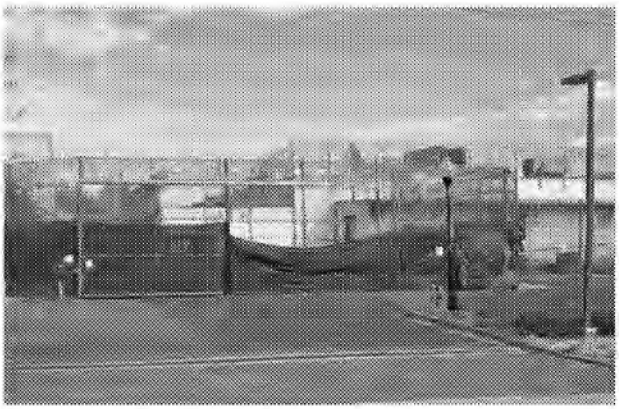
View of ARC exterior and parking lot to west



View of ARC recreation enclosure towards southwest



View of ARC towards south



View of ARC towards northwest

View of ARC towards northwest

Source: WSP, July 2024.

landscape. Views of the ARC from Enterprise Avenue are partially obstructed by trees and shrubs lining the roadway and would remain as is. No change to previous nighttime operation of the ARC is planned.

5.10.3 Recommended Mitigation

Visual and aesthetic resources would be unaffected, therefore, no mitigation measures are warranted.

5.11 Social Environment – Demographics

5.11.1 Existing Conditions

To gauge the potential effects of a proposed project or action, the demographic characteristics of the host community and its surroundings are established and potential demographic changes resulting from the project or action are then identified and assessed. Adverse impacts could result if a project or action would substantially alter the location, composition and distribution of the population or segments of the population within a given geographic area or cause the population to increase or decrease beyond historical trends.

Between 2010 and 2020, the population of the City of Trenton increased 7.0 percent, rising from 84,913 to 90,871. During this time the population of Mercer County increased 5.7 percent from 366,513 to 387,340 while the State of New Jersey increased 5.5 percent from 8,791,894 to 9,288,994. Of the city's 2020 population, approximately 52.0 percent (47,253) were female and 48.0 percent (43,618) were male; percentages slightly different from the State of New Jersey which recorded 50.8 percent females and 49.2 percent males.

In 2020, 24.7 percent of Trenton residents were White; 45.5 percent were Black or African American; 0.5 percent were Native American; 1.1 percent were Asian; and 8.5 percent were of two or more races (U.S. Census). Of the city's population, 38.7 percent were Hispanic or Latino (of any race). Records for the State of New Jersey showed 70.4 percent of all residents were White; 15.5 percent were Black or African American; 0.8 percent were Native American; 10.6 percent were Asian; and 13.8 percent were of two or more races. Of the state's population, 22.7 percent were Hispanic or Latino (of any race).

According to the 2020 U.S. Census, approximately 76.3 percent of city residents 25 years of age or older had a high school diploma in 2020 while 15.6 percent had a Bachelor's degree. This compares to Mercer County where 89.7 percent of persons 25 years of age or older had a high school diploma and 44.2 percent had a Bachelor's degree and the State of New Jersey where 90.6 percent of persons 25 years of age or older had a high school diploma and 42.3 percent had a Bachelor's degree.

5.11.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, the demographic composition of the City of Trenton and Mercer County would not be adversely impacted, and mitigation measures would not be necessary.

b. Proposed Action Alternative

Under the Proposed Action Alternative, the ARC would house 600 detained noncitizens with 225 to 250 staff responsible for operation and maintenance. Data concerning working age populations, labor forces, and educational attainment, together with many years of experience operating the ARC, indicates that there is an adequate labor pool within the City of Trenton and Mercer County (in addition to neighboring Bucks County, Pennsylvania), to restore staffing levels and resume operation without inducing in-migration or adverse population impacts. Resuming ARC operation is also expected to aid with population

retention to the benefit of Trenton, Mercer County, and the surrounding region. No adverse demographic impacts are anticipated.

ICE is responsible for housing noncitizen detainees and then removing those individuals who have been ordered to leave the United States. As a result, detained noncitizens are not considered residents of the area in which they are housed and are not counted as such by the U.S. Census Bureau at the time of the decennial census. Housing detained noncitizens has no impact upon a host community's population and, therefore, no impact upon state and/or federal population-based aid programs.

5.11.3 Recommended Mitigation

In the absence of adverse impacts, no mitigation measures are warranted.

5.12 Social Environment – Economics

5.12.1 Existing Conditions

According to U.S. Census, the civilian labor force in the City of Trenton, as a percent of the population aged 16 years and over in 2020, was 59.1 percent, a level lower than Mercer County at 63.8 percent and the state as a whole at 65.9 percent. Trenton ranks below the state and national averages for per capita income and median household income. According to the U.S. Census, per capita income for city residents in 2020 was $27,565 compared to $50,053 for Mercer County, $50,995 for New Jersey and $41,804 for the U.S. Median household income for city residents in 2020 was $44,444 compared to $92,697 for Mercer County, $97,126 for New Jersey and $74,755 for the U.S.

The City of Trenton recorded a higher percentage of its population with incomes below the poverty line than the State of New Jersey and nation as a whole. In 2020, 26.2 percent of the city's population had incomes below the poverty line, compared to 10.6 percent for Mercer County, 9.7 percent for the state, and 12.6 percent for the nation as a whole (U.S. Census). As of May 2024, the unemployment rate in Trenton was 3.9 percent, 3.7 percent in Mercer County, and 4.6 percent for the state as a whole.

5.12.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, any potential beneficial impacts to the local and regional economies resulting from restoring ARC to productive use would not occur, and mitigation measures would not be warranted.

b. Proposed Action Alternative

Under the Proposed Action Alternative, the ARC would resume operation, housing 600 detained noncitizens and employing 225 to 250 contractor staff. Potential economic impacts from ARC operation are considered beneficial and are the result of direct labor payments as well as expenditures for materials and services, utilities, food purchases, and other necessities. Annual wages, salaries, and expenditures have been projected at $30 to $32 million based on the requirements established by ICE for operation and management of the center under the current procurement.

Resuming ARC operation would contribute to the local and regional economy from operational payrolls for labor, material purchases generating local sales, and from related spending by supplying firms and laborers ("multiplier effects"). Related spending is expected to support additional local sales each year, indirectly supporting additional private-sector jobs. These positive economic impacts would occur primarily within Trenton, Mercer County and the central New Jersey area since workers would be drawn from this region and commute to the ARC. The positive economic impacts would occur for the duration of the agreement to house detained noncitizens at the ARC under the ICE procurement.

In assessing the impact of the proposed action, attention was given to employment and economic goals and objectives. Such an evaluation reveals a proposed action consistent and compatible with goals and objectives of the City of Trenton and Mercer County to seek employment opportunities, stimulate economic activities, and to direct such activities towards areas with available infrastructure. Resuming operation of the ARC is important to achieving the social and economic development goals of the city and county.

5.12.3 Recommended Mitigation

The potential impacts of the proposed action are considered beneficial to the economic well-being of the City of Trenton, Mercer County and the surrounding region by restoring employment and economic opportunities to residents and business owners that had been available prior to 2022. In the absence of adverse impacts, no mitigation measures are warranted.

5.13 Social Environment – Housing

5.13.1 Existing Conditions

Impacts to the housing market could be expected if a proposed project or action would substantially alter the supply of housing, either by reducing the number of housing units or increasing the population above the capacity of the available housing stock. According to the 2020 U.S. Census, there were 34,322 housing units in the City of Trenton with 38.3 percent multi-family units and 61.7 percent single-family units. In Trenton, a majority of units (51 percent) are renter-occupied while statewide renters occupy about 33 percent of all housing units. The city also has a high vacancy rate with nearly one in five units vacant.

Approximately 38.3 percent of all occupied housing units in Trenton were owner-occupied compared to 62.8 percent for Mercer County, and 64.6 percent for the state as a whole. In Trenton, the median value of owner-occupied housing units in 2020 was $111,200 and the median monthly gross rent (with utilities) was estimated to be $1,177. Both figures are higher for Mercer County at $327,600 and $1,454 and the state as a whole at $401,400 and $1,577 respectively.

5.13.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, the supply, availability, and cost of housing would not be affected and there would be no adverse impacts to the local and regional housing markets. Mitigation would not be necessary.

b. Proposed Action Alternative

Under the ICE procurement, ARC operation is expected to employ 225 to 250 administrators, detention officers, and other operation and maintenance staff. Data concerning working age populations, labor forces, and educational attainment, together with many years of experience operating the ARC, indicates that there is an adequate labor pool within the City of Trenton and Mercer County (in addition to neighboring Bucks County, Pennsylvania), to restore staffing levels and resume operation without inducing in-migration or adverse housing impacts.

There is also no need to vacate, demolish, or otherwise alter any existing housing units to implement the proposed action. As a result, there would be no adverse impacts to the local and regional housing markets, the supply, availability and cost of housing would not be affected, and mitigation would not be necessary.

5.13.3 Recommended Mitigation

The supply, availability and cost of housing would not be affected, therefore, adverse impacts to the local and regional housing markets are not expected. In the absence of adverse impacts, no mitigation measures are warranted.

5.14 Environmental Justice

According to EO 12898, Federal Actions to Address Environmental Justice in Minority *and Low-Income Populations* (February 11, 1996), environmental justice must be considered in federally funded projects and actions. EO 12898 stipulates that each federal agency, "*to the greatest extent practicable*", should identify and address, as appropriate, "*disproportionately high and adverse human health or environmental effects of its programs, policies and activities on minority populations and low income populations in the United States*…." The EO embodies Title VI of the Civil Rights Act of 1964 and incorporates Title VI provisions into the planning and environmental processes.

Consideration of environmental justice became a formal operating requirement in DHS with the issuance of Directive 023-1, Environmental Planning Program, in April 2006. Directive 023-1 implemented NEPA and required that environmental justice considerations be a part of the review process required by NEPA. (DHS, Environmental Justice Strategy, February 2012). Notice of a revised Directive and Instruction 023-01, which was published in the Federal Register on November 26, 2014 (79 FR 70538), and became effective on March 26, 2015, includes consideration of environmental justice. The analysis conducted in preparing this document considered the demographic, economic, and housing characteristics of the host community within which the ARC is located.

5.14.1 Existing Conditions

The study area for environmental justice was the same used in the analysis of demographics, economics, and housing and reflects the area with potential to experience direct impacts and indirect community, human health, and environmental impacts (City of Trenton). Population and income characteristics from the U.S. Census of Population and Housing and the U.S. Census Bureau, American Community Survey were compiled to identify populations of concern for environmental justice. The following information was compiled to enable a general comparison of the project area with the larger region in which the ARC is located.

- **Racial and Ethnic Characteristics**—Population of the study area was characterized using the racial categories White, Black or African American, Native American, Asian, and Other. These categories are consistent with the affected populations requiring study under EO 12898.
- **Percentage of Minority Population**—Persons of Hispanic origin characterized themselves as White, Black or African American, Native American on the long-form of the U.S. Census. Persons of Hispanic origin who identified themselves as White were included in the calculation of minority population for the purposes of this analysis.
- **Low-Income Population**—The Percentage of Persons Living Below the Poverty Level, as defined by the U.S. Census, is the key indicator used to identify the low-income population in a given region. Per Capita Income and Median Household Income are the second measure that has been used to characterize income levels within the study area.

5.14.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would

remain vacant, adverse impacts to environmental justice communities would not occur, and mitigation measures would not be necessary.

b. Proposed Action Alternative

Operation of the ARC would restore considerable employment opportunities and commerce to the benefit of residents and businesses in the city, county, and region as a whole. This would include a $30 to $32 million annual operating budget for staff, utility services, materials, supplies, and services. During 2023, the ARC contributed $118,000 per quarter ($472,000 annually) in property tax payments to the City of Trenton and when in operation, ARC also contributes state payroll withholding taxes, employee withholding taxes, income taxes, and in use taxes among other payments. As a result, implementation of the proposed action would offer substantial positive benefits to the local population, economy, and housing market.

Implementation of the proposed action will generate potential short- and long-term benefits to the city, county, and surrounding region by resuming the purchase of goods and services from large and small businesses, wholesale and retail sales opportunities, economic activity, and employment opportunities. Based on these factors, the proposed action complies with EO 12898. The analysis of potential socioeconomic impacts on minority and low-income populations are included in this document and the potential impacts reported herein will be fully considered by ICE prior to making a final decision on the proposed action.

Operation of the ARC would not have a disproportionate adverse impact on minority or low-income segments of the population or on the community as a whole. Rather, potential long-term benefits would occur, including to minority and low-income residents, in the form of restored economic activity and employment opportunities, as well as support to the local and regional housing markets. The proposed action would comply with EO 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*.

There are no locations where large numbers of children congregate or reside in proximity to the ARC. In addition, the health and well-being of children within the City of Trenton and Mercer County, along with the availability of facilities and programs serving children, would not be affected. The proposed action would comply with EO 13045, *Protection of Children from Environmental Health and Safety Risk*.

Resuming ARC operation, thereby restoring employment and economic opportunities to minority and low income residents and business owners that have been available since the center began operations, is important to achieving the social and economic goals of the city and county.

5.14.3 Recommended Mitigation

Adverse impacts to environmental justice communities are not anticipated and in the absence of adverse impacts, no mitigation measures are warranted.

5.15 Human Health and Safety

5.15.1 Existing Conditions

a. Law Enforcement

The Trenton Police Department is responsible for law enforcement in the City of Trenton. The Department is organized into eight divisions that service the city's many diverse neighborhoods:

- Administrative Services
- Communications
- Criminal Investigation
- Fiscal Management
- Information Technology
- Internal Affairs
- Patrol
- Special Operations

Calls for assistance and responses from the Trenton Police Department are dispatched through a central 911 system. The Department's headquarters is located at 225 North Clinton Avenue, 1.6 drive miles from the ARC.

b. Fire Protection

Fire protection service for residents and businesses within the City of Trenton is provided by the Trenton Department of Fire and Emergency Services which has primary responsibility for the following:

- Fire prevention
- Fire suppression
- First responders to Emergency Medical Services incidents
- Response to and control of hazardous materials emergencies
- Rescue of trapped or injured persons
- Response to natural disasters
- Water recovery

In addition, a Technical Rescue Team was developed and is trained in various areas such as building collapse rescue, confined space rescue and rope rescue. The Department operates from the following stations:

- Fire Company 1: Engine 1 - 460 Calhoun Street, 2.7 drive miles from the ARC
- Fire Company 3: Engine 3 - 720 South Broad Street, 3.0 drive miles from the ARC
- Fire Company 6: Engine 6 - 561 North Clinton Avenue, 1.1 drive miles from the ARC
- Fire Company 7: Engine 7 - 502 Hamilton Avenue, 2.5 drive miles from the ARC
- Fire Company 8: Engine 8 - 698 Stuyvesant Avenue, 3.7 drive miles from the ARC
- Fire Company 9: Engine 9 - 1464 West State Street, 4.6 drive miles from the ARC
- Fire Company 10: Engine 10 - 244 Perry Street, 2.1 drive miles from the ARC

c. Medical Services

The City of Trenton and Mercer County are the location of numerous hospitals and medical centers, with many located within 10 drive miles of the ARC. Among the closest are the following:

- Capital Health Regional Medical Center, Trenton - 3.2 drive miles of the ARC
- Capital Health Medical Center Hamilton – 4.5 drive miles of the ARC
- St. Lawrence Rehabilitation Center, Lawrenceville - 4.7 drive miles of the ARC
- Robert Wood Johnson University Hospital, Hamilton - 4.8 drive miles of the ARC
- Trenton Psychiatric Hospital, West Trenton - 5.5 drive miles of the ARC
- Capital Health Medical Center Hopewell, Pennington - 7.6 drive miles of the ARC

Each facility offers a wide array of in-patient, out-patient, and emergency services.

5.15.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, there would be no adverse impacts to law enforcement, fire protection, and medical services, and mitigation measures would not be necessary.

b. Proposed Action Alternative

- **Law Enforcement**

Law enforcement in the City of Trenton is the responsibility of the Trenton Police Department. Calls for assistance and responses from the Police Department are dispatched through a central 911 system. The Trenton Police Department provides necessary police protection and coverage throughout the city.

The ARC operator would be responsible for the center and would rely upon a well-trained and equipped workforce to ensure the overall functioning and security of the facility and to handle emergency situations which may arise. The ARC operator would also advise law enforcement authorities of emergencies at the center and would seek their assistance and cooperation as necessary. Based on many years of operating experience, housing detained noncitizens at the ARC is not expected to place an undue burden on or result in adverse impacts to law enforcement resources and services provided in the City of Trenton.

- **Fire Protection**

Fire protection service to the residents and businesses in the City of Trenton is provided by the Department of Fire and Emergency Services. Calls for assistance and responses from the Department of Fire and Emergency Services are dispatched through a central 911 system. The Department provides fire control and suppression services, emergency medical services, vehicle extrication, and hazardous materials response coverage throughout the city with seven fire stations within 4.6 drive miles of the ARC.

The ARC operator would undertake precautions to guard against fire emergencies during center operation. Precautions would include policies and procedures; inspections, fire prevention, control and evacuation planning; and emergency drills. The ARC would develop and maintain a Fire Prevention and Control Plan to describe staff responsibilities, facility occupancy standards, emergency equipment, and communication, security, and fire drill procedures. In addition, the ARC conforms to applicable federal, state, and local fire safety codes. Emergency fire control equipment that would be maintained on-site include sprinklers/water-based protection systems, fire hydrants, fire extinguishers, and smoke detectors.

Members of the ARC staff would be trained as initial responders in the event of a fire emergency at the facility. The responsibility of ARC responders would be to extinguish small, confined fires and to remove detained individuals and staff from affected areas until fires are extinguished.

The policies, procedures and equipment to be established at the ARC would be maintained while it is housing detained noncitizens. Based on many years of previous experience, operation of the ARC is not expected to place an undue burden upon or result in adverse impacts to the Trenton Department of Fire and Emergency Services.

- **Medical Services**

Detained individuals housed at the ARC would be provided with medical and dental care. The center's staff will include physicians, nurses, and other trained medical personnel and equipment to provide routine health care services. Instances where outside medical assistance would be needed to treat detained individuals are anticipated to be minimal. During those instances when acute emergency treatment is needed, the individual would be stabilized at the ARC and then transported to a nearby hospital for further care.

Operator policies, procedures, manpower, and equipment would be maintained throughout the period the ARC is housing detained noncitizens. Based on many years of operating experience, there is no reason to expect that situations requiring outside medical assistance arising during ARC operation would place an undue burden upon medical facilities or health care providers operating in the City of Trenton or Mercer County. Adverse impacts to area medical services and facilities are not anticipated as a result of the proposed action.

5.15.3 Recommended Mitigation

a. Law Enforcement

Potential adverse impacts to law enforcement services are not expected, consequently, no mitigation measures, outside of the need to coordinate and communicate operating activities with the Trenton Police Department, are warranted.

b. Fire Protection

Potential adverse impacts to fire protection services are not expected, consequently, no mitigation measures, outside of the need to coordinate and communicate operating activities with the Trenton Department of Fire and Emergency Services, are warranted.

c. Medical Services

Adverse impacts to area emergency medical services and health care facilities are not anticipated, therefore mitigation measures are not warranted.

5.16 Land Use and Zoning

5.16.1 Existing Conditions

Lands surrounding the ARC are a mix of commercial, warehouse/distribution and industrial uses and transportation infrastructure. Bordering the ARC to the north is a large, enclosed recycling facility processing cardboard, plastics and waste paper as well as a recently constructed 261,000-square-foot warehouse/distribution center. To the west of the facility is the four-lane U.S. Route 1 highway carrying large volumes of auto, light truck and heavy truck traffic. Located east of the ARC is Assunpink Creek, bordered on both sides by a greenway extending for the length of the creek. Lastly, to the south is a large-scale outdoor scrap metal shredding and recycling operation.

The current zoning for the ARC property is Industrial "B" (IB), with use of the ARC permitted by right in the IB zoning district. The property is located in a well-defined industrial and commercial neighborhood and is a legally conforming use. In April 2024, to ensure that housing detained noncitizens under ICE jurisdiction at the ARC is allowable, the property owner has engaged the City of Trenton as summarized below:

- Provided a detailed briefing memorandum to the City's Planning Department in support of the proposed use as an immigration detention facility and sought to engage the City's outside zoning counsel.
- Submitted an application to the City's Project Application Review Committee for review and discussion of the project.
- Filed an application for a zoning permit to confirm the ability use the ARC as an immigration detention facility.
- Provided public notice of same via the local newspaper as well as direct mailed notice to all property owners within 200 feet of the ARC property.

A notice of approval by default was filed with the City of Trenton on July 9, 2024 (Appendix A). A copy of the ARC's Certificate of Occupancy is also included in Appendix A.

5.16.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, on-site and nearby commercial and industrial developments would not be adversely

affected, and potential impacts to land uses would not occur. There would be no direct, indirect, or secondary impacts to land uses and mitigation measures would not be necessary.

b. Proposed Action Alternative

The self-contained nature of the ARC limits potential direct land use impacts to the property itself, with no impacts, in the form of changes to land uses or new land developments, expected to occur on adjoining or nearby properties. Attention was also given to the relationship of the ARC to land use plans and policies of the City of Trenton, revealing a use compatible with land use development goals and objectives.

Resuming operation of the ARC would be consistent with the goals of local planning and development agencies to maintain and expand employment opportunities, stimulate economic activities in the city, and to maintain such activities in areas served by utility and transportation infrastructure. The ARC was constructed in 1963, with additions in 2004 and 2008, and was operational until 2022. It is currently vacant and available to house detained noncitizens, thereby avoiding the need to develop a new facility. Resuming ARC operation is important to achieving the social, economic, and land use development goals of City of Trenton. In addition, the ARC, being largely self-contained and confined to a property where a correctional use has existed for over 50 years, is not expected to result in indirect or secondary land use impacts.

The owner filed an application for a zoning permit to confirm the ability use the ARC as an immigration detention facility and following the Zoning Officer's failure to act within the statutorily prescribed time, filed notice of approval by default with the City.

5.16.3 Recommended Mitigation

Adverse impacts to land uses are not expected from housing detained noncitizens at the ARC and no mitigating measures are warranted.

5.17 Utility Services

5.17.1 Existing Conditions

a. Water Supply

Trenton Water Works (TWW) is among the largest publicly owned, urban water utilities in the United States. It supplies an average of 27-million gallons of Delaware River-sourced drinking water per day to 63,000 metered customers. The Delaware is the longest free-flowing river in the United States east of the Mississippi, extending 330 miles from the confluence of its East and West branches at Hancock, New York in the Catskill Mountains to the mouth of the Delaware Bay where it enters the Atlantic Ocean.

Established more than 200 years ago, TWW services approximately 225,000 people in Trenton and parts of Hamilton Township, Ewing Township, Lawrence Township and Hopewell Township in Mercer County. TWW has 119 employees who operate a 60-million-gallon water filtration plant and water distribution system that includes a 100-million-gallon reservoir. The system has 683 miles of transmission lines varying in size from 4 to 48 inches in diameter, three pump stations and five interconnections between TWW and other water purveyors.

Operation and maintenance of the water supply system is performed by TWW which provides potable water service to the ARC via a service main interconnected to the city's water distribution network. There are no known limitations to the provision of water supply service to residents and businesses in Trenton.

b. Wastewater Collection and Treatment

The Trenton Sewer Utility collects, treats, and disposes of wastewater, stormwater, and biosolids that are generated within the city daily. Trenton Sewer Utility houses a 20 million gallons/day wastewater treatment plant, treating both domestic and industrial sewage in accordance with State regulations. The sewer plant is a secondary treatment facility which produces treated sewage with over 97 percent of the suspended solids and over 97 percent of the 5-Day BOD (Biochemical Oxygen Demand) removed before discharge into the Delaware River. The City operates 180 miles of sanitary sewer mains and five sanitary sewer lift stations with most of the lines contained in streets or alleys. Each year, the City cleans approximately 20 percent of the sanitary sewer lines with lines requiring a higher level of maintenance cleaned more frequently.

Operation and maintenance of the wastewater collection and treatment system is performed by the Trenton Sewer Utility which collects wastewaters generated at the ARC via a service main interconnected to the city's wastewater collection system and conveyed to the sewer plant for treatment and disposal. There are no known limitations to the provision of wastewater collection and treatment services to residents and businesses in Trenton.

c. Electric Power Service

Electric power service in Trenton and to the ARC is provided by Public Service Electric & Gas Company (PSEG) which serves 2.4 million customers in 13 northern and central New Jersey counties including Mercer County. PSEG has been providing electric power service to the ARC since it began operations. There are no known limitations to the provision of electric power service to residents and businesses in Trenton.

d. Natural Gas Service

Natural gas service is also provided to the ARC by PSEG, the largest natural gas distribution company in New Jersey. PSEG supplies natural gas to more than 1.9 million customers in 15 New Jersey counties including Mercer County and has been providing natural gas service to the ARC since it began operations. There are no known limitations to the provision of natural gas service to residents and businesses in Trenton.

e. Telecommunications

Telecommunications infrastructure extends throughout Mercer County with AT&T, Verizon, Xfinity, Comcast and Spectrum among the providers of cable television, internet, and telephone services. Telecommunications infrastructure is continually being improved to support customer demands and presently all providers have capacity to serve existing and new customers. There are no known limitations to providing telecommunications services to residents and businesses in Trenton.

f. Solid Waste Management

Solid waste services in the City of Trenton is provided by the Division of Solid Waste Management which is responsible for the collection and disposal of solid waste materials, including bulk items. Several private waste collection and disposal companies also operate in Mercer County including Interstate Waste Services, Covanta, Republic Services, Gold Medal Environmental, Regional Industries, Inc., Cali Carting among others. Collection companies transport wastes to various state-approved transfer facilities and regional landfills for final disposal. There are no known constraints to the collection and disposal of solid wastes originating in Trenton.

5.17.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, there would be no adverse impacts to the provision of utility services, and mitigation measures would not be necessary.

b. Proposed Action Alternative

- **Water Supply**

Water is supplied to the ARC via a connection to the city's water supply system. Under the proposed action, operation of the ARC, with a population of 600 individuals and each using an average of 95 gallons per day, would result in an average water demand of 57,000 gallons per day (gpd). Many years of experience operating the ARC confirms that the flow rate and pressure available in the system is adequate to support the water demands during center operation. With no significant increase over historical water use anticipated, the water system and existing supply line are expected to accommodate the ARC's average, peak, and fire flow requirements without the need for improvements or upgrades. The proposed action is not expected to pose an adverse impact to water supply services provided to current or future customers in the City of Trenton.

- **Wastewater Collection and Treatment**

Wastewater flow resulting from operation of the ARC, with a population of 600 individuals, is conservatively estimated to be 95 percent of water demand, or 54,150 gpd. The primary source of flow would be domestic wastewater generated by the housed population which typically occur in a pattern with daily peaks between 6:00 AM and 9:00 PM resulting from periods of peak water usage (meal preparation, personal hygiene, etc.).

Wastewaters from the ARC are conveyed to the city collection system via a main sized to accommodate ARC flows. Many years of experience operating the ARC confirms that adequate capacity is available in the collection and treatment systems to accommodate flows resulting from center operation. With no significant increase over historical flows, wastewater collection and treatment systems are expected to accommodate the ARC without the need for improvements or upgrades. The proposed action is not expected to pose an adverse impact to wastewater collection and treatment systems and services provided to current or future customers in the City of Trenton.

- **Electrical Service**

Electric power is provided to the ARC by service lines which are sized to accommodate the center's power requirements. The ARC was constructed in 1963, and until 2022 housed a population of over 950 individuals. Many years of experience operating the ARC confirms that adequate capacity is available in the electric power system to meet the needs of the center. With no significant increase over historical population and staffing or how the ARC operates, the electric power system is expected to accommodate the center without the need for improvements or upgrades. The proposed action is not expected to pose an adverse impact to electric power services provided by PSEG or to current or future customers in the region.

- **Natural Gas Service**

Natural gas is provided to the ARC by PSEG via an underground service line. The ARC was constructed in 1963, and until 2022 housed a population of over 950 individuals. Many years of experience operating the ARC confirms that adequate capacity is available in the natural gas system to meet the needs of the center. By resuming operation, the volume of natural gas required during operation should be easily accommodated. With no increase over historical natural gas use anticipated, the existing supply infrastructure is expected to accommodate the ARC's average and peak requirements without the need for improvements or upgrades. The proposed action is not expected to pose an adverse impact to natural gas services provided by PSEG or to current and future customers in the region.

- **Telecommunications**

Telecommunications infrastructure extends throughout Mercer County with multiple providers of cable television, internet, and telephone services available. The ARC was developed in 1963 and until 2022, housed a population of over 950 individuals. By resuming operation there would be no significant change in the nature and level of telecommunications services required during operation. The proposed action is

not expected to result in adverse impacts on telecommunications infrastructure, services, providers, or customers in the area.

- **Solid Waste Management**

The ARC is currently unoccupied therefore there are no solid wastes requiring collection and disposal. However, during operation, the ARC will generate solid wastes requiring collection and disposal by one of the many commercial haulers which serve the Mercer County area and previously served the ARC. During ARC operation and using a conservative estimate of four pounds per individual per day and a maximum population of 600, approximately 1.2 tons per day (438 tons annually) would require collection and disposal.

To minimize the volume of wastes requiring disposal, the center would institute a program to separate recyclables from the waste stream. Paper is routinely shredded for informational security reasons and glass is not typically found in a secure detention setting. Wastes would be stored on-site in self-contained dumpsters with collection and disposal the responsibility of the licensed carter retained by the center operator to remove and dispose of solid wastes.

There would be no significant change in the nature and overall volume of solid wastes requiring collection and disposal which historically has represented a very small portion of the total solid waste stream in the region. The proposed action is not expected to pose an adverse impact to solid waste collection and disposal services provided to current or future customers in the City of Trenton.

5.17.3 Recommended Mitigation

- **Water Supply**

With no adverse impacts to the public water supply system expected, no mitigation measures, beyond communication and coordination as needed with the appropriate TWW officials, are warranted.

- **Wastewater Collection and Treatment**

With no adverse impacts to the public wastewater collection and treatment system expected, no mitigation measures, beyond communication and coordination as needed with the appropriate Trenton Sewer Utility officials, are warranted.

- **Electrical Service**

No adverse impacts to electric generation and distribution systems are expected and no mitigation measures, beyond communication and coordination as needed with the power provider (PSEG), are warranted.

- **Natural Gas Service**

No adverse impacts to the natural gas distribution system are expected and no mitigation measures, beyond communication and coordination as needed with the gas provider (PSEG), are warranted.

- **Telecommunications**

No adverse impacts to telecommunications systems and services are expected and no mitigation measures, other than coordinating and communicating with the appropriate service providers, are warranted.

- **Solid Waste Management**

No adverse impacts to solid waste collection and disposal services are expected and no mitigation measures are warranted. To minimize the volume of solid waste requiring disposal, during operation the ARC would separate wastes for recycling.

5.18 Traffic and Transportation Systems

5.18.1 Existing Conditions

The roadway network in the City of Trenton and Mercer County is well developed and consists of major highways and arterials extending into central New Jersey and westward to Morrisville and Pennsylvania. The city is accessible from Interstate 95 (I-95), also known as the New Jersey Turnpike, extending from Delaware to the south to New York to the north, and I-295 encircling the Trenton area and bypassing the Philadelphia metropolitan area. The city and county are also served by intrastate highways including U.S. Route 1, U.S. 206, U.S. 130, and State Route 31 and State Route 33 providing convenient north-south and east-west connectivity to population centers in and around Mercer County.

Motor vehicle access to the ARC is from Enterprise Avenue, an important north-south thoroughfare connecting various industrial districts located east of the U.S. Route 1 corridor. Enterprise Avenue consists of one 12-foot-wide travel lane in each direction, a dedicated bicycle lane, and a pavement surface in good condition.

NJ Transit is the state's public transportation corporation providing safe, reliable and affordable public transportation to a service area of 5,325 square miles. NJ TRANSIT is the nation's third largest provider of bus, rail and light rail transit, linking major points in New Jersey, New York and Philadelphia. The agency operates 253 bus routes and 12 rail lines statewide and has an active fleet of 2,221 buses, 1,231 trains and 93 light rail vehicles.

NJ Transit operates an extensive bus network of intra and interstate routes throughout New Jersey and into New York and Philadelphia with many local routes (600, 601, 603, 605, 606, 607, 608, 609, 611, 612, 613, 619, and 624) serving Mercer County. Bus Route 624 provides service to the southern portion of Enterprise Avenue with multiple stops in relatively close proximity to the ARC and connections to other routes in addition to the Trenton Transit Center and Train Station.

There are also train stations in Hamilton and Trenton (the Trenton Train Station), operating on New Jersey Transit's Northeast Corridor Line. The Northeast Corridor Line offers frequent service from Trenton to Newark and New York City to the north and Philadelphia to the south.

5.18.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, transportation infrastructure serving the City of Trenton and Mercer County would not be adversely affected, and no mitigation measures would be necessary.

b. Proposed Action Alternative

Under the proposed action, increased motor vehicle traffic involving trips by employees, visitors, service and delivery vehicles, and for detainee transportation would occur on roadways leading to the ARC. Weekdays typically experience the greatest number of employee trips as fewer trips are made by administrative personnel and service vehicles on weekends. The total number of employee, visitor, service delivery and detainee transport trips resulting from the proposed action is not expected to change (increase or decrease) over the historical volume of vehicles using Enterprise Avenue to arrive and depart the ARC during operation.

Pedestrian and bicycle traffic and public transit services have been considered in assessing potential transportation impacts associated with the proposed action. While there are public bus and rail transit routes operating in proximity to the ARC, and although bicycle transportation is an alternative to motor

vehicle use, it is expected that employees and visitors will use single-occupancy vehicles for travel to and from the ARC.

ICE's responsibilities include seeing to the transport of detained individuals for outside medical treatment and for deportation when necessary. The number of daily transports is not expected to be substantial with no adverse impacts to traffic volumes on roads leading to and from the ARC.

Implementation of the proposed action is not expected to result in a significant change in the historical volume of employee, visitor, service and delivery traffic arriving at and departing from the ARC when operational. As a result, adverse impacts are not expected to result from the proposed action.

5.18.3 Recommended Mitigation

Adverse impacts to transportation systems or traffic operations are not monitoring anticipated during ARC operation and no mitigation measures are required.

5.19 Air Quality and Greenhouse Gases

5.19.1 Existing Conditions

a. National Ambient Air Quality Standards/Attainment Status

The USEPA defines ambient air quality in 40 CFR 50 as *"that portion of the atmosphere, external to buildings, to which the general public has access."* In compliance with the 1970 Clean Air Act (CAA) and the 1977 and 1990 Amendments (CAAA), USEPA has designated criteria air pollutants in which ambient air quality standards have been established. Ambient air quality standards are intended to protect public health and welfare and are classified as either primary or secondary standards. To date, USEPA has promulgated National Ambient Air Quality Standards (NAAQS) for six criteria air pollutants: carbon monoxide (CO), nitrogen dioxide (NO_2), ozone (O_3), particulate matter with a diameter less than or equal to a nominal 10 micrometers or 2.5 micrometers (PM_{10} and $PM_{2.5}$, respectively), sulfur dioxide (SO_2), and lead (Pb). A description of NAAQS pollutants is provided in Table 5-1.

Counties in the U.S. that do not meet the NAAQS for a particular pollutant are called "non-attainment areas" for this criteria pollutant; areas that meet both primary and secondary standards are known as "attainment areas." The New Jersey Ambient Air Monitoring Network consists of 29 sites throughout the state with one station located in Trenton at 120 Academy Street and monitoring $PM_{2.5}$ concentrations. According to the Green Book published by the USEPA (current as of June 30, 2024), Mercer County is classified by the USEPA as being in nonattainment for 8-hour Ozone (2015 standard).

a. Greenhouse Gases and Climate Change

Greenhouse gases (GHGs) are chemical compounds found in Earth's atmosphere that absorb and trap infrared radiation as heat. Global atmospheric GHG concentrations are a product of continuous release and storage of GHGs over time. The accumulation of GHGs in the atmosphere increases temperatures and warms the planet through a greenhouse effect (USEPA 2016).

The GHGs emitted into the atmosphere through human activities are carbon dioxide (CO_2); methane (CH_4); nitrous oxide (NO_2); and fluorinated gases such as hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride (USEPA 2016e). NO_2 is emitted from agricultural and industrial activities and the combustion of fossil fuels and solid waste. Fluorinated gases are often used as an electrical insulator in high-voltage substation equipment and although emitted in small quantities, they have the ability to trap more heat than CO_2 (USEPA 2016e).

When operating, the ARC is a source of GHG emissions from use of heating, ventilation, and air conditioning equipment, performing building and grounds maintenance activities, and staff and visitor

travel. Interior and outdoor lighting can also be considered an indirect source of GHG emissions since electricity is often generated by GHG emissions-producing facilities.

Climate change refers to the suite of changes occurring to the Earth's atmospheric, hydrologic, and oceanic systems. Although a global phenomenon, climate change manifests itself differently such as through sea level rise, increased ambient temperatures, changes in rainfall patterns, increased wildfire

Table 5-1: Description of NAAQS Criteria Pollutants

Sulfur Dioxide (SO_2): A toxic, colorless gas with a distinctly detectable odor and taste. Oxides of sulfur in the presence of water vapor, such as fog, may result in the formation of sulfuric acid mist. Human exposure to SO_2 can result in irritation to the respiratory system, which can cause both temporary and permanent damage. SO_2 exposure can cause leaf injury to plants and suppress plant growth and yield. SO_2 can also cause corrosive damage to many types of manmade materials.

Particulates ($PM_{2.5}$ / PM_{10} / TSP): Particulates originate from a variety of natural and anthropogenic sources. Some predominant anthropogenic sources of particulates include combustion products (wood, coal and fossil fuels), automotive exhaust (particularly diesels), and windborne dust (fugitive dust) from construction activities, roadways and soil erosion. Human exposure to inhalable particulate matter affects the respiratory system and can increase the risk of cancer and heart attack. Small particulates affect visibility by scattering visible light and when combined with water vapor can create haze and smog. Micron and submicron particles are those that assume characteristics of a gas and remain suspended in the atmosphere for long periods of time. Until recently, particulate pollution had been measured in terms of total suspended particulates (TSP). These standards have been replaced with revised measurements of particulate matter under 10 microns in diameter (PM_{10}) in 1987. Particles less than 10 micrometers in diameter (PM_{10}) pose a health concern because they can be inhaled into and accumulate in the respiratory system. Particles less than 2.5 micrometers in diameter ($PM_{2.5}$) are referred to as "fine" particles and are believed to pose the largest health risks. In 1997, USEPA established annual and 24-hour NAAQS for $PM_{2.5}$ for the first time. In 2006, USEPA revised the 24-hour NAAQS for $PM_{2.5}$.

Carbon Monoxide (CO): A colorless, odorless, tasteless and toxic gas formed through incomplete combustion of crude oil, fuel oil, natural gas, wood waste, gasoline and diesel fuel. Most combustion processes produce at least a small quantity of this gas, while motor vehicles constitute the largest single source. Human exposure to CO can cause serious health effects before exposure is ever detected by the human senses. The most serious health effect of CO results when inhaled CO enters the bloodstream and prevents oxygen from combining with hemoglobin, impeding the distribution of oxygen throughout the bloodstream. This process reduces the ability of people to do manual tasks, such as walking.

Nitrogen Dioxide (NO_2): A reddish-brown gas with a highly detectable odor, which is highly corrosive and a strong oxidizing agent. Nitric oxide (NO) and nitrogen dioxide (NO_2) constitute what is commonly referred to as nitrogen oxides (NO_x). NO_x are formed by all combustion and certain chemical manufacturing operations. During combustion, nitrogen (N) combines with oxygen (O) to form NO. This combines with more oxygen to form NO_2. Under intense sunlight, NO_2 reacts with organic compounds to form photochemical oxidants. Oxidants have an effect on atmospheric chemistry and are gaseous air pollutants that are not emitted into the air directly. They are formed through complex chemical reactions which involve a mixture of NO_x and reactive volatile hydrocarbons (VOC) in the presence of strong sunlight. Human exposure to NO_2 can cause respiratory inflammation at high concentrations and respiratory irritation at lower concentrations. NO is not usually considered a health hazard. NO_x reduce visibility and contribute to haze. Exposure to NO_x can cause serious damage to plant tissues and deteriorate manmade materials, particularly metals.

Ozone (O_3): An oxidant that is a major component of urban smog. O_3 is a gas that is formed naturally at higher altitudes and protects the earth from harmful ultraviolet rays. At ground level, O_3 is a pollutant created by a combination of VOC, NO_x and sunlight, through photochemistry. Ground-level O_3 is odorless and colorless and is the predominant constituent of photochemical smog. Human exposure to O_3 can cause eye irritation at low concentration and respiratory irritation and inflammation at higher concentrations. Respiratory effects are most pronounced during strenuous activities. O_3 exposure will deteriorate manmade materials and reduce plant growth and yield.

Lead (Pb): Lead is in the atmosphere in the form of inhalable particulates. The major sources of atmospheric lead are motor vehicles and lead smelting operations. USEPA estimates that ambient concentrations have decreased dramatically in recent years (a drop of 70 percent since 1975) largely due to the decreasing use of leaded gasoline. Health effects from atmospheric lead occur through inhalation and consequent absorption into the bloodstream. Excessive lead accumulation causes lead poisoning with symptoms such as fatigue, cramps, loss of appetite, anemia, kidney disease, mental retardation, blindness and death.

Source: USEPA 2024.

activity, changes to ocean currents, extreme weather events, and altered terrestrial and marine ecosystems. While the warming trend has been evident over the past 100 years, recent decades have seen an accelerated warming rate with the past several years ranking among the warmest on record.

Most of the observed temperature increase can be attributed to both natural and anthropogenic activities that contribute heat trapping GHGs in the atmosphere. GHGs, particularly CO_2 from the burning of fossil fuels, cause the atmosphere to trap the sun's heat. While the insulating effect of the atmosphere is important to living systems, the rapid increase in GHGs since the mid-19th century is adversely affecting nature's systems.

a. Radon

Radon is a colorless, odorless, tasteless gas produced by the natural breakdown of uranium in soil and rocks resulting in such by-products as polonium, bismuth, astatine, and lead. As a gas, radon can migrate through permeable soils and through fractures in rocks and when inhaled over a long period of time, these by-products can cause lung cancer. Radon moving through soil near the ground surface usually escapes into the atmosphere, however, it can migrate into buildings through construction joints, foundation cracks, etc. Western Mercer County exhibits the potential for high radon levels while eastern Mercer County, including the City of Trenton, exhibit the potential for moderate radon levels (Exhibit 5-8).

5.19.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant, local and regional air quality would not be adversely affected, and mitigation measures would not be necessary.

b. Proposed Action Alternative

Potential air quality impacts as a result of the proposed action may occur from routine ARC operations and motor vehicle traffic associated with facility operation. The ARC is equipped with mechanical equipment for producing heat and hot water and is the primary stationary sources of air emissions. Based on many years of experience, it is not anticipated that resuming ARC operation would have an adverse impact on air quality.

Motor vehicle operations represent a potential source of air emissions and impacts. The predominant air quality impact associated with motor vehicle operation is the emission of CO, hydrocarbons, and NOx with hydrocarbons and NOx emissions precursors for the formation of ozone. Under the proposed action, the ARC would resume operation with 600 detained individuals to be housed with 225 to 250 contractor employees responsible for its operation and maintenance.

By maintaining an equivalent detainee population and staff there would be no significant change in the numbers or types of vehicles traveling to and from the facility. Reductions in vehicular emissions resulting from continually improving emissions-control technology and the growing acceptance of electric vehicles further preclude the likelihood of transportation-related air quality impacts. Motor vehicle operation associated with the proposed action is not expected to pose local or regionally adverse impacts to air quality.

The potential for the proposed action to influence global climatic change has been considered including the potential for increased emissions of chlorofluorocarbons, halons, or greenhouse gases and the potential for global climate changes to affect the proposed action. Operation of the ARC is not expected to result in significant emissions of CFRs, halons, or greenhouse gases. Climate change is a long-term phenomenon that may result in an increase in extreme weather; however, the facility and surrounding infrastructure (e.g., electrical power grid, water supply, wastewater treatment, etc.) is expected to

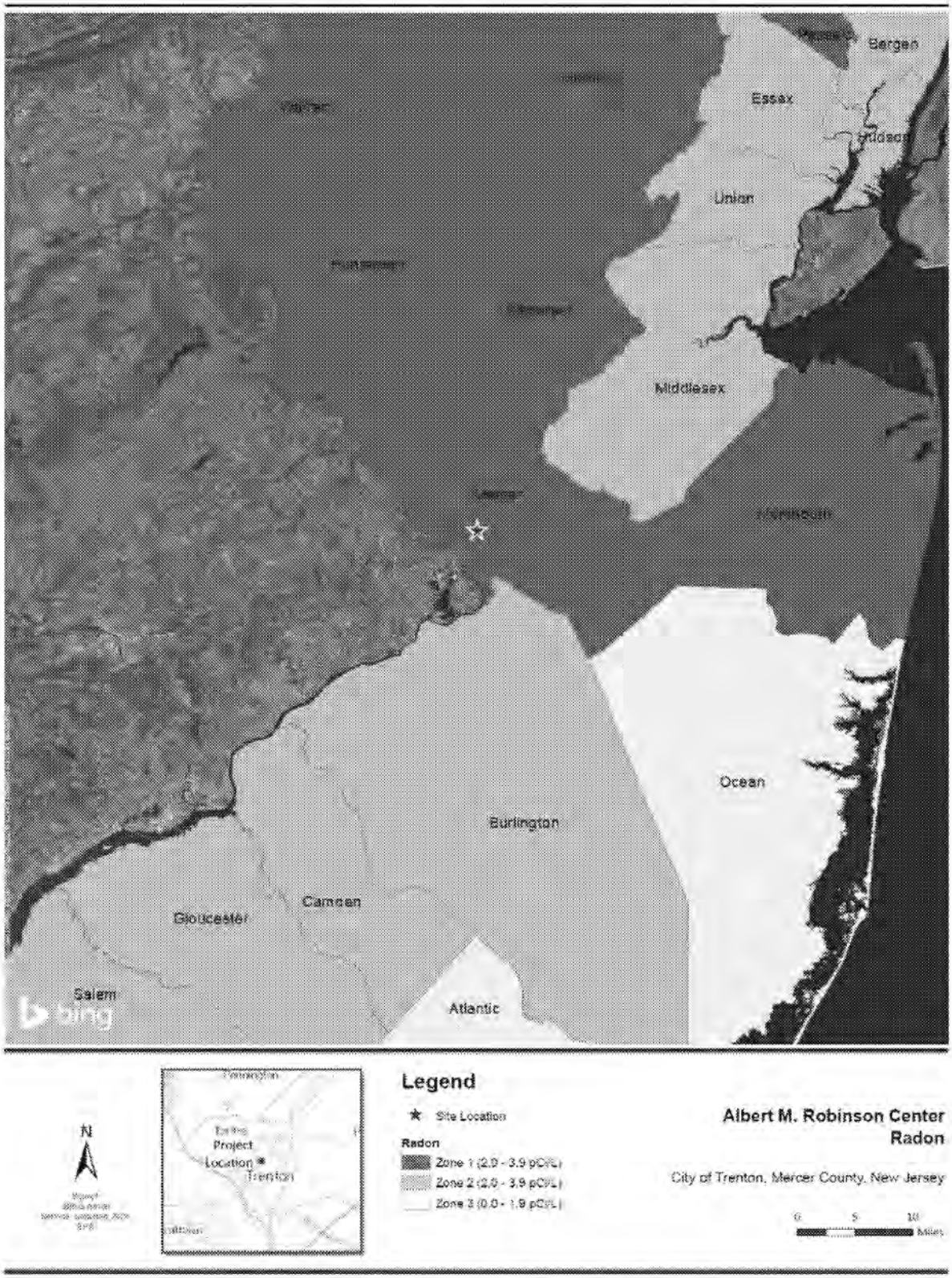


Exhibit 5-8: New Jersey Radon Zones

continue providing the necessary services despite the possible impacts. In addition, the ARC is not located in an environment that would be adversely affected by changes in sea levels.

Radon is a colorless, odorless, tasteless gas that, when inhaled over a long period of time, can cause lung cancer. The ARC was constructed in 1963, with additions in 2004 and 2008, and until 2022, had been operating for many years without experiencing adverse effects.

5.19.3 Recommended Mitigation

Other than properly operating and maintaining mechanical equipment that meets applicable permitting and emission control standards, no mitigation measures are warranted. The federal government encourages the formation of carpools and vanpools and, where available, the use of public transit to minimize the potential for air quality impacts from motor vehicle operations. Encouraging the use of carpools and vanpools offers a particularly viable option given the exclusive reliance on private auto use for accessing the ARC and the pool of workers traveling daily to the center. The analysis of potential air quality impacts indicates that no mitigation beyond these actions would be warranted.

The ARC is not located in an area that is considered particularly vulnerable to climate change and associated weather or other physical impacts. The ARC is located outside flood zones and is well inland from the Atlantic coastline and is not vulnerable to hydrologic changes resulting from climate change.

While most radon escapes harmlessly into the atmosphere, it can migrate into buildings. During operation, testing equipment will be used, as necessary, to ensure indoor radon concentrations do not exceed the USEPA action level.

5.20 Noise

5.20.1 Existing Conditions

Noise is traditionally defined as any unwanted sound. It is emitted from many sources including aircraft, industrial operations, railroads, power generating stations, and motor vehicles. Among the most common, motor vehicle noise is usually a composite of noises from engine, exhaust and tire-roadway interaction. Individuals living and working in urbanized environments are often exposed to high noise levels from many sources as they go about their daily activities. Loud noises bother some individuals more than others and some patterns of noise also enter into an individual's judgment of whether or not a noise is offensive. For example, noises occurring during sleeping hours are considered to be more of a nuisance than the same noises during the daytime hours.

Lands surrounding the ARC are a mix of commercial, warehouse/distribution and industrial uses and transportation infrastructure. Bordering the ARC property to the north is a large, enclosed recycling facility processing over 3,000 tons of cardboard, plastics and waste paper each month. Apart from the sounds from large trucks transporting recycled materials to and from the facility, noises from this use and direction are not audible within the property or within the interior of the ARC itself.

Bordering the facility to the west is the four-lane U.S. Route 1 highway carrying large volumes of auto, light truck and heavy truck traffic and while roadway and vehicle noise is experienced intermittently within the ARC property, it is not audible within the interior of the ARC itself. Located east of the ARC is Assunpink Creek and a large greenway extending on both sides for the length of the creek. Aside from occasional bird and wildlife calls, the greenway does not contribute to the ambient noise environment of the area.

The principal noise source in the area originates from the outdoor scrap metal shredding operation located immediately south of the ARC property. This active industrial operation generates elevated noise levels primarily from the heavy equipment used to move scrap metal to the shredder and when

consolidating the shredded material into large piles. While the noise experienced within the ARC property is near constant, it is not audible within the interior of the ARC itself.

5.20.2 Potential Impacts

a. No Action Alternative

Under the No Action Alternative, the proposal to award a contract for comprehensive detention services for a population of noncitizen detainees under ICE jurisdiction would not be implemented. The ARC would remain vacant with noise levels and conditions unchanged. In the absence of adverse impacts, mitigation measures would not be necessary.

b. Proposed Action Alternative

Potential noise impacts could result from routine ARC operation and motor vehicle traffic associated with facility operation. The ARC has been operating for many years and during that time has not been a significant noise source. During operation, no significant change (increase or decrease) is expected to the number of employees, visitors, and vendors arriving and departing by motor vehicles from historical norms.

The absence of noise-producing equipment and outdoor activities is expected to result in noise levels that will be imperceptible beyond the boundary of the property. Furthermore, noise originating from the industrial uses and transportation infrastructure that surround the ARC property dominate the ambient environment and exceed any noise produced by ARC operation.

The ARC's relatively isolated location within an industrial district further limits any noise originating from the center to be experienced beyond the property boundary. As a result, the proposed action would not result in adverse noise impacts associated with vehicles traveling to and from the facility. In the absence of adverse impacts, no mitigation measures would be warranted.

5.20.3 Recommended Mitigation

Adverse noise impacts during ARC operation are not anticipated, therefore, no noise mitigation measures are warranted.

5.21 Consideration of Secondary and Cumulative Impacts

5.21.1 Secondary Impacts

Secondary impacts are those that are *"caused by an action and are later in time or farther removed in distance but are still reasonably foreseeable"* (40 CFR 1508.8). Secondary impacts are typically associated with projects or actions that may indirectly result from new construction or improvement of a facility. Secondary impacts differ from those directly associated with the construction and/or operation of a facility and are often caused by what is referred to as induced development. Induced development may include a variety of secondary effects such as changes in land use, water quality, economic vitality and population density. Therefore, the potential for secondary impacts to occur is determined in large part by the individual local planning objectives and the location of a proposed project or action.

Resuming ARC operation would result in less-than-significant impacts to the project site and surrounding host community. Less-than-significant impacts would be anticipated to utility services, traffic and transportation movements, noise levels, and air quality in the vicinity of the project site. The self-contained nature of the ARC would not affect local land use patterns and would have no secondary impacts on land use. The use of water supply, wastewater collection and treatment, electric power, natural gas, solid waste collection and disposal, and telecommunications infrastructure to serve the ARC is not expected to induce or foster additional development in the area of the center.

Economic activity and population retention is an intended consequence of the proposed action. Any such potential impact would be considered beneficial by City of Trenton and Mercer County officials. Such activity would also be consistent with the goals of local planning and development authorities to maintain current and secure additional employment opportunities while stimulating new/expanded economic activities in the area. Local planning and economic development agencies have the skills and resources to manage future developments so as to maintain the quality of the natural and man-made environments.

The proposed action, in concert with other actions, would also contribute to the efficient operation of the nation's immigration system. Beneficial impacts, both direct and secondary to the region's economy, would also be realized by the ARC's operating budget. Secondary impacts and other potentially adverse impacts would be controlled, mitigated, and avoided to the extent possible. There are no present or foreseeable actions occurring in the City of Trenton or Mercer County that are directly attributable to or would be affected by the proposed action.

5.21.2 Cumulative Impacts

The intent of the cumulative effects analysis is to determine the magnitude and significance of past, present and reasonably foreseeable future actions, both beneficial and adverse, in terms of context and intensity. ARC operation is not expected to result in cumulative effects, in terms of intensity or context, to any social, cultural or natural features. The incremental rate of growth in the City of Trenton and Mercer County, the absence of other reasonably foreseeable actions, and the local regulatory framework, all function to offset potentially negative cumulative impacts.

5.22 Summary of Any Significant Impacts and Required Mitigation

For each resource category, the impact analysis conforms to the same general approach. When possible, quantitative information is provided to establish impacts. Qualitatively, these impacts are measured based on the criteria below:

- None/Negligible: The resource would not be affected, or changes would be either non-detectable or if detected, would have effects that would be slight and local. Impacts would be well below regulatory standards, as applicable.
- Minor: Changes to the resource would be measurable, although the changes would be small and localized. Impacts would be within or below regulatory standards, as applicable. Mitigation measures would reduce any potential adverse effects.
- Moderate: Changes to the resource would be measurable and have both localized and regional scale impacts. Impacts would be within or below regulatory standards, but historical conditions are being altered on a short-term basis. Mitigation measures would be necessary to reduce any potential adverse effects.
- Major: Changes would be readily measurable and would have substantial consequences on a local and regional level. Impacts would exceed regulatory standards. Mitigation measures to offset the adverse effects would be required to reduce impacts, though long-term changes to the resource would be expected.

Impacts are predicted based on the degree of change or loss of the resource from baseline conditions. Impacts may be direct or indirect. Direct impacts are caused by an action and occur at the same time and place as the action. Indirect impacts are caused by an action and occur later in time or are farther removed from the area but are still reasonably foreseeable (40 CFR Part 1508).

Housing detained noncitizens at the ARC would not result in adverse impacts to topography, geology, soils, water resources, biological resources, cultural resources, land use, hazardous materials, visual and aesthetic conditions, environmental justice communities, utility services, transportation movements, noise levels, and air quality. At the same time, the population, local and regional economies, and housing

market of the City of Trenton, Mercer County and the central New Jersey region would benefit by virtue of the annual operating budget of approximately $30 to $32 million, a workforce of 225 to 250 staff, and from payments of various local, county and state taxes and fees.

ARC operation would be conducted in compliance with applicable federal, state and local statutes, implementing regulations, EOs, and permit requirements. Unavoidable impacts would follow the mitigation measures identified for each resource to reduce or eliminate impacts. Use of the ARC to house 600 noncitizen detainees would contribute to achieving national security and public safety goals. Potentially adverse impacts associated with ARC operation would be controlled, mitigated, or avoided to the extent possible. Table 5-2 presents a summary of impacts under the No Action and Proposed Action Alternative.

Table 5-2: Summary of Impacts under No Action and Proposed Action Alternatives

Resource Area	Impacts: No Action Alternative	Impacts: Proposed Action Alternative
Topography	A contract for comprehensive detention services would not be awarded and adverse impacts to topographic conditions would not occur.	The proposed action would not alter topographic conditions; impacts to topography are considered none/negligible.
Geology	A contract for comprehensive detention services would not be awarded and adverse impacts to geologic resources would not occur.	The proposed action would not disturb geologic features and conditions; impacts to geologic conditions are considered none/negligible.
Soils	A contract for comprehensive detention services would not be awarded and adverse impacts to soils would not occur.	The proposed action would not disturb or alter soils and agricultural activities would not be affected. Impacts to soils are considered none/ negligible.
Hydrology and Water Resources	A contract for comprehensive detention services would not be awarded and adverse impacts to water resources would not occur.	The proposed action would not affect impervious surfaces, therefore, no increase in stormwater runoff volumes or adverse impacts to FEMA designated 100-year floodplains are anticipated. Impacts to hydrology and water resources are considered none/negligible.
Biological Resources	A contract for comprehensive detention services would not be awarded and adverse impacts to biological resources would not occur.	The proposed action would not disturb uplands, drainageways, tree stands, wetlands and waters of the US, or special status species habitats. Impacts to biological resources are considered none/negligible.
Archaeological and Historic Resources	A contract for comprehensive detention services would not be awarded and adverse impacts to cultural and historic resources would not occur.	The proposed action would not disturb or affect archaeological and historic resources; impacts to cultural resources are considered none/negligible.
Hazardous Materials	A contract for comprehensive detention services would not be awarded and adverse impacts associated with hazardous materials would not occur.	While there is no evidence of RECs or de minimis conditions, HRECs, CRECs, and BERs have been identified involving the property. The proposed action is not expected to release contaminants into the environment. Impacts due to hazardous materials are considered none/negligible.

Resource Area	Impacts: No Action Alternative	Impacts: Proposed Action Alternative
Fiscal Considerations	A contract for comprehensive detention services would not be awarded and adverse impacts associated with fiscal considerations would not occur.	ARC operation would not affect the current ownership arrangement; no adverse fiscal impacts to the City of Trenton, Mercer County, or the State of New Jersey are anticipated. Impacts are considered none/negligible.
Visual and Aesthetic Resources	A contract for comprehensive detention services would not be awarded and adverse impacts to visual and aesthetic resources would not occur.	With no changes to the exterior appearance and characteristics of the ARC, the proposed action would not change or affect the aesthetic environment or visual landscape. Impacts considered none/negligible.
Demographic Characteristics	A contract for comprehensive detention services would not be awarded and adverse impacts to area demographic characteristics would not occur.	No population groups would be relocated or removed and no sensitive population groups (e.g., children, minorities, and seniors) would be adversely affected. Impacts are considered none/ negligible.
Economic Characteristics	A contract for comprehensive detention services would not be awarded and adverse impacts to local and regional economies would not occur.	The proposed action would result in long-term employment and material purchases, both considered beneficial to the region's economy and a positive impact. No businesses or other economic activities would be adversely affected, displaced, or eliminated by the proposed action. Impacts are considered none/negligible.
Housing Characteristics	A contract for comprehensive detention services would not be awarded and adverse impacts to the supply, availability, and cost of housing would not occur.	Under the proposed action, the number of staff employed at the ARC would return to historic levels. Impacts to the region's housing market are considered none/negligible.
Environmental Justice	A contract for comprehensive detention services would not be awarded and adverse environ-mental justice-related impacts would not occur.	The proposed action would provide employment and commercial opportunities to the benefit of minority and low-income populations. Impacts that would disproportionately and adversely affect minority or low-income populations are considered none/negligible. The proposed action complies with EO 12898, Environmental Justice.
Human Health and Safety	A contract for comprehensive detention services would not be awarded and adverse impacts to community services and facilities would not occur.	The proposed action is not expected to adversely affect law enforcement, fire protection, or medical services in the area. Impacts are considered none/ negligible.
Land Use and Zoning	A contract for comprehensive detention services would not be awarded and adverse impacts to land use would not occur.	The self-contained nature of the ARC limits potential impacts to the property only. Impacts to land use and zoning are considered none/ negligible.

Resource Area	Impacts: No Action Alternative	Impacts: Proposed Action Alternative
Water Supply Service	A contract for comprehensive detention services would not be awarded and adverse impacts to water supply service would not occur.	The proposed action is expected to restore water demands to near historic levels and be accommodated by Trenton's water supply infrastructure. Impacts to water supply infrastructure and service are considered none/negligible.
Wastewater Service	A contract for comprehensive detention services would not be awarded and adverse impacts to wastewater collection and treatment services would not occur.	The proposed action is expected to restore wastewater flows to near historic levels and be accommodated by Trenton's wastewater collection and treatment infrastructure. Impacts to wastewater infrastructure and service are considered none/negligible.
Electrical Service	A contract for comprehensive detention services would not be awarded and adverse impacts to electrical service would not occur.	The proposed action is expected to restore electric power demands to near historic levels and be accommodated by the current power provider (PSEG). Impacts to electric power infrastructure and service are considered none/negligible.
Natural Gas Service	A contract for comprehensive detention services would not be awarded and adverse impacts to natural gas service would not occur.	The proposed action is expected to restore natural gas demands to near historic levels and be accommodated by the current gas provider (PSEG). Impacts to natural gas infrastructure and service are considered none/negligible.
Telecommunication Services	A contract for comprehensive detention services would not be awarded and adverse impacts to telecommunication services would not occur.	The proposed action is expected to return telecommunications requirements to near historic levels and be accommodated by area providers. Impacts to telecommunications infrastructure and services are considered none/negligible.
Solid Waste Services	A contract for comprehensive detention services would not be awarded and adverse impacts to solid waste management services would not occur.	The nature and volume of solid waste generated daily is expected to return to near historic levels. Collection and disposal would be accommodated by waste management providers serving central New Jersey with impacts considered none/ negligible.
Traffic and Transportation Systems	A contract for comprehensive detention services would not be awarded and adverse impacts to transportation systems would not occur.	The number of staff, visitors, service deliveries, and other transports to/from the ARC would return to near historic levels. Impacts to traffic and transportation systems are considered none/ negligible. Employees and visitors traveling to the facility will be encouraged to carpool.
Air Quality and Greenhouse Gases	A contract for comprehensive detention services would not be awarded and adverse impacts to air quality would not occur.	Energy use is expected to return to near historic levels along with air emissions. The volume of staff, visitors, service deliveries, and other transports would also return to near historic levels. Impacts to air quality and greenhouse gases are considered none/negligible.

Resource Area	Impacts: No Action Alternative	Impacts: Proposed Action Alternative
Noise	A contract for comprehensive detention services would not be awarded and adverse impacts to noise conditions would not occur.	ARC operation is not expected to affect noise levels from current conditions with impacts considered none/negligible.

5.23 Relationship Between Short-Term Use of the Environment and the Maintenance and Enhancement of Long-Term Productivity

Regulations for the preparation of EAs require such documents to address the relationship between short-term use of the environment and the maintenance of long-term productivity. Any potential short-term impacts must be contrasted with the economic output and productivity that would result by maintaining jobs, payrolls, personal income, and the purchases of materials, supplies, and services during ARC operation. The economic vitality of the City of Trenton and Mercer County would also benefit on a long-term basis by the workforce of 225 to 250 employees and the approximately $30 to $32 million annual budget during ARC operation. These productivity gains would continue for the term of the contract to house detained noncitizens at the ARC.

5.24 Irreversible and Irretrievable Commitments of Resources

Regulations for the preparation of EAs also require such documents to address irreversible and irretrievable commitments of resources associated with the proposed action. Irreversible and irretrievable resource commitments involve use of nonrenewable resources and the effects that use of these resources will have on future generations. Irreversible effects primarily result from use or destruction of a specific resource that cannot be replaced within a reasonable timeframe (e.g., energy and minerals). Irretrievable commitments of resources that could result from implementation of the proposed action involve the consumption of energy and human labor resources. The use of these resources would be considered to be enduring, lasting throughout the lifespan of the facility.

In some cases, the resources committed would be recovered in a relatively short period of time. In other cases, resources would be irreversibly or irretrievably committed by virtue of being consumed or by the apparent limitlessness of the period of their commitment to a specific use. Irreversibly and irretrievable commitments of resources can sometimes be compensated for by the provision of similar resources with substantially the same use or value.

- **Material Resources**: Any building materials consumed in preparation for housing 600 noncitizen detainees would be offset by maintaining safe and secure operation of the ARC and the resulting societal benefits. A portion of any such materials may also be recycled at some future date.
- **Energy Resources**: Energy resources would be irretrievably consumed, including petroleum-based fuels, natural gas, and electricity. During routine ARC operation, gasoline would be consumed as employees, visitors, and service vehicles travel to and from the facility. Consumption of energy resources would not place a significant demand on their availability in the region, and adverse impacts are not expected.
- **Human Labor Resources**: The use of human labor for ARC operation is considered an irretrievable commitment in that it would preclude such personnel from engaging in other productive work activities. Human labor resources devoted to ARC operation is estimated to be 225 to 250 person-years of staff time annually. Restoring employment at the ARC is also considered beneficial.

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B.A., The College of Wooster, 1984

7.0 References

City of Trenton, Enterprise Avenue Area Redevelopment Plan, Prepared by Department of Housing and Economic Development, 2005.

City of Trenton, Trenton 250 Master Plan, 2024.

Federal Emergency Management Agency. Flood Insurance Rate Maps, 2020. Available at: https://msc.fema.gov/portal/advanceSearch.

Nationwide Environmental Title Research, LLC [NETR]. var. *Aerial Imagery and Historic Topographic Maps*. Accessed at http://www.historicaerials.com/.

New Jersey Department of Environmental Protection (NJDEP). n.d. New Jersey Endangered and Threatened Species Field Guide. Accessed at: Wildlife Field Guide for New Jersey's Endangered and Threatened Species - Conserve Wildlife Foundation of New Jersey (conservewildlifenj.org).

NJDEP. Wetlands. 2020. Available at: https://njogis-newjersey.opendata.arcgis.com/search?collection=Dataset&q=Land%20Use%2FLand%20 Cover.

Public Service Electric and Gas Company, July 2024.

U.S. Census Bureau. 2020. Profile of General Demographic Characteristics: 2020. Census 2020 Summary File 1 (SF 1) 100-Percent Data. Available at: http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?fpt=table.

U.S. Census Bureau. 2020. American Community Survey 5-Year Estimates. Selected Housing Characteristics. Available at: http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?fpt=table.

U.S. Department of Agriculture, Soil Conservation Service, Soil Survey for Mercer County, New Jersey. January 1972.

U.S. Department of the Interior. *Archaeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines*. Federal Register, Part IV, 48(2):44716-44742, National Park Service, Washington, D.C, 1983.

U.S. Department of Labor, Bureau of Labor Statistics. 2020. Databases, Tables and Calculators by Subject. Local Area Unemployment Statistics (LAUS). Available at: http://www.bls.gov/data/#unemployment.

U.S. Environmental Protection Agency (USEPA). 2024. Green Book National Area and County-Level Multi-Pollutant Information. Available at: https://www.epa.gov/green-book/green-book-national-area-and-county-level-multi-pollutant-information.

USEPA. 2018b. National Ambient Air Quality Standards (NAAQS). Available at: https://www.epa.gov/criteria-air-pollutants/naaqs-table.

USEPA. n.d. Radon Zones in New Jersey. Available at: https://www.epa.gov/sites/default/files/2015-03/documents/new_jersey.pdf.

U.S. Fish and Wildlife Service (USFWS). n.d. Species. Accessed at: Species | U.S. Fish & Wildlife Service (fws.gov).

USFWS. 2020. ECOS Environmental Conservation Online System. Species reports. Available at: http://ecos.fws.gov/ecp/.

USFWS. National Wetland Inventory Mapping. 2024. Available at: https://www.fws.gov/program/national-wetlands-inventory/download-state-wetlands-data.

U.S. Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Map. Trenton East Quadrangle. Washington, D.C., 2014.

USGS Seismic Risk Zones, 2008. Available at: https://earthquake.usgs.gov/cfusion/hazfaults_2008_search/query_main.cfm.

8.0 Glossary

100-year floodplain – Land area along the sides of a river or stream that becomes inundated with water during a flood that statistically has a 1 percent chance of occurring in any given year.

500-year floodplain – Land area along the sides of a river or stream that becomes inundated with water during a flood that statistically has a 0.2 percent chance (or 1 in 500 chance) of occurring in a given year.

Aquifer – Body of permeable rock that can contain or transmit groundwater.

Attainment area – Areas with concentrations of criteria pollutants that are below the levels established by the NAAQS.

Conditionally Exempt Small Quantity Generator – A facility is a CESQG if it generates less than 220 pounds of hazardous waste per month; no more than 2.2 pounds of acutely hazardous waste per month, or more than 220 pounds of Class 1 non-hazardous waste per month.

Criteria pollutant – Six pollutants that can harm human health and the environment and cause property damage. Regulated by the Clean Air Act.

Critical habitat – Specific geographic areas that contain features essential to the conservation of endangered or threatened species and that may require special management and protection.

Cultural resources – All sites, buildings, structures, districts, and objects as defined by the National Historic Preservation Act, as amended.

Earthquake — Shaking of the ground caused by an abrupt shift of rock along a fracture in the earth or a contact zone between tectonic plates.

Ecoregion – Area defined by its environmental conditions, especially climate, landforms and soil characteristics.

Endangered species (Federal) – Species that are in danger of extinction throughout all or a significant portion of their ranges and that have been listed as endangered by the U.S. Fish and Wildlife Service or the National Marine Fisheries Service following procedures outlined in the Endangered Species Act (Title 16 USC Part 1531 et seq.) and its implementing regulations (Title 50 CFR § 424).

Fault — A fracture in the earth's crust along which two blocks of the crust have slipped with respect to each other.

Flood — Inundation of normally dry land resulting from the rising and overflowing of a body of water.

Freshwater emergent wetland – Freshwater-based area characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years.

Greenhouse gas – Gases that trap heat in the atmosphere by absorbing outgoing infrared radiation. Greenhouse gas emissions occur from natural processes and human activities.

Invasive species – Species that are not native to an ecosystem and whose introduction causes or is likely to cause economic or environmental harm or harm to human health.

Liquefaction — The loss of strength in loosely packed, saturated sediments in response to strong shaking, potentially causing major damage during an earthquake.

Maintenance area – Nonattainment areas that meet the NAAQS and the re-designation requirements in the Clean Air Act are re-designated as maintenance areas.

Migratory Bird Treaty Act – This act (Title 16 of USC Part 703 et seq.) states that it is unlawful to pursue, take, attempt to take, capture, possess or kill any migratory bird or any part nest, or egg of any such bird unless permitted by regulations.

Nonattainment area – Areas where the concentration of one or more criteria pollutants is found to exceed the regulated level for one or more of the National Ambient Air Quality Standards.

Regulatory floodway — Channel of a river or other water course and adjacent land areas that must be reserved for discharge of the base flood without cumulatively increasing water surface elevation more than a designated height. Communities must regulate development in these floodways to ensure no increases in upstream flood elevations.

Riparian zone — The area along the banks of a natural watercourse.

Soils – Unconsolidated material overlying bedrock.

Waters of the U.S. – Streams and wetlands which have a significant hydrological and ecological connection to traditional navigable waters, interstate waters, and territorial seas.

July 11, 2024

(b)(6),(b)(7)(C) Field Office Supervisor
United States Fish and Wildlife Service
New Jersey Ecological Services Field Office
4 E. Jimmie Leeds Road, Suite [redacted]
Galloway, NJ 08205

Via email: NJFO_ProjectReview@fws.gov

RE: **Albert M. "Bo" Robinson Center, 375 Enterprise Avenue, Trenton, New Jersey Environmental Assessment**
Project Code: 2024-0115063

Dear Mr. (b)(6),(b)(7)(C)

Immigration and Customs Enforcement's (ICE) is responsible for the detention, health, welfare, transportation, and deportation of noncitizens in removal proceedings, and those subject to a final order of removal. ICE's Enforcement and Removal Operations (ERO) field office in Newark, New Jersey has a need for comprehensive detention services for 600 adult male and female noncitizens that include general population, intake, segregated housing, and medical beds at a contractor-owned/contractor-operated detention facility. The facility must be within 50 driving miles from the ERO field office at 970 Broad Street in Newark, New Jersey.

To accommodate a portion of the detained noncitizen population under ICE jurisdiction, use of the existing Albert M. "Bo" Robinson Center (ARC) in Trenton, New Jersey is proposed (the Proposed Action). WSP USA, Inc. has been contracted to prepare an Environmental Assessment in accordance with the National Environmental Policy Act to evaluate the potential impacts of the proposed action and alternatives associated with use of the ARC to house detained noncitizens under ICE jurisdiction.

The ARC is located within an approximately 4.34-acre property at 375 Enterprise Avenue in Trenton, New Jersey. The ARC consists of intake, housing, medical beds, and other support facilities to provide dining, medical, religious, legal, and other services. No new building construction or exterior alterations to the existing ARC structure is proposed. The proposed action allows for resumption of ARC operation during the period of performance.

The purpose of this letter is to provide the U.S. Fish and Wildlife Service (USFWS) notice of the Proposed Action and to document compliance with Section 7 of the Endangered Species Act (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.), as well as the Migratory Bird Treaty Act of 1918 (MBTA) (40 Stat. 755, as amended; 16 U.S.C. 703-712), and the Bald and Golden Eagle Protection Act of 1940 (BGEPA) (54 Stat. 240, as amended; 16 U.S.C. 668-668c).

PROPOSED ACTION

The existing ARC consists of intake, housing, medical beds, and other support facilities to provide dining, medical, religious, legal, and other services. No new building construction or exterior alterations to the existing ARC structure is proposed. The Proposed Action allows for resumption of ARC operation during the period of performance.

ACTION AREA

The ARC is located within an approximately 4.34-acre property at 375 Enterprise Avenue in Trenton, New Jersey. Attachment A shows the facility's regional location, Attachment B provides an aerial view of the Albert M. "Bo" Robinson Center, and Attachment C shows topographic conditions in and around the facility property.

SPECIES AND HABITATS CONSIDERED

ESA Species

The USFWS Official Species List, included as Attachment D, indicates that one federally listed species, one proposed endangered species, and one candidate species may occur within the vicinity of the Proposed Action: the endangered northern long-eared bat (*Myotis septentrionalis*), the proposed endangered tricolored bat (*Perimyotis subflavus*), and the candidate for listing monarch butterfly (*Danaus plexippus*). The Action Area does not contain critical habitat or proposed critical habitat for these or any other species.

Descriptions of these species and their habitats are summarized below from N.J. Department of Environmental Protection and USFWS species profiles.

- **Northern long-eared bat**: The federally endangered northern long-eared bat is a medium-sized bat that is distinguished by its long ears, particularly as compared to other bats in its genus. The northern long-eared bat is found across much of the eastern and north central United States. White-nose syndrome is the predominant threat to this bat, especially throughout the northeast where the species has declined by up to 99 percent from pre-white-nose syndrome levels at many hibernation sites. Northern long-eared bats spend winter (November 1 to March 31) hibernating in caves and mines and then emerge in early spring. During the active season (April 1 to October 31), northern long-eared bats utilize a wide variety of forested/wooded habitats where they roost, forage, and travel. They may also utilize some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields, and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥3 inches dbh that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet of forested/wooded habitat.

- **Tricolored bat**: The tricolored bat is one of the smallest bats native to North America. As its name suggests, the tricolored bat is distinguished by its unique tricolored fur that appears dark at the base, lighter in the middle, and dark at the tip. The once common species is wide ranging across the eastern and central United States and portions of southern Canada, Mexico and Central America. During the winter, tricolored bats hibernate in caves and mines. Most mating occurs in the fall, with delayed fertilization and twin pups born in spring. During the spring, summer and fall, tricolored bats are found in forested habitats where they roost in trees, primarily among leaves. Their preferred foraging habitat is forest edges and waterways.

- **Monarch butterfly**: Monarch butterflies are a bright orange color with black and white markings and a wingspan between 3.5 and 4 inches. The caterpillars have many yellow, black and white bands and antenna-like appendages at each end of their body. Monarch caterpillars feed almost exclusively on milkweed and as adults feed on nectar from a wide range of flowers. They lay their eggs on milkweed; there are about 3 to 5 generations born each spring and summer and most of the offspring do not live beyond five weeks. Monarchs are migratory, journeying to central Mexico for the winter each year. In the spring, summer and early fall, they can be found wherever there are nectar-producing plants.

Migratory Bird Treaty Act Species
The USFWS Official Species List also provided a Migratory Bird Resource List for proposed Action Area. The list comprises USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention. The list indicates that there are 17 species of migratory birds that are protected under the MBTA that may occur in the Action Area.

Bald and Golden Eagle Protection Act Species
According to the USFWS Official Species List, bald eagles are known to occur in the vicinity of the Action Area. Bald eagles prefer undisturbed forested areas near large lakes and reservoirs, marshes and swamps, or stretches along rivers where they can find open water and their primary food, fish. Bald eagles prefer to nest, perch, and roost in old-growth and mature forest stands of conifers and hardwoods. Foraging habitat for bald eagles consists of large perch trees near a body of water. The Action Area does not contain the forested habitat near waterbodies that bald eagles prefer.

ANALYSIS AND DETERMINATION OF EFFECTS

ESA Species
Northern long-eared and tricolored bats are not expected to utilize the Action Area due to the developed nature of the property, the adjoining industrial developments, heavily trafficked surrounding roadways, and human activity. No forested habitat is present within or adjacent to the project site, and no tree removal is required as part of the proposed action. Monarch butterflies are not expected to occur on site other than as a transient individual as vegetated areas that may contain milkweed or other native nectar plants are not present. Based on the analysis, we have reached a determination of No Effect for northern long-eared bat, tricolored bat, and monarch butterfly.

Migratory Bird Treaty Act Species
Due to the developed nature of the Action Area, migratory birds are not expected to occur except as occasional transients. Any migratory birds that may be present in the Action Area would not remain due to the developed site, the adjoining industrial developments, heavily trafficked surrounding roadways, and human activity. We have determined that the Proposed Action is not likely to jeopardize the continued existence of any migratory birds and would not result in the destruction or adverse modification of designated critical habitat of any such species.

Bald and Golden Eagle Protection Act Species
Based on the lack of suitable habitat within the Action Area, bald eagles are not anticipated to occur. We have determined that the Proposed Action would not result in "taking" bald or golden eagles. The Proposed Action would not substantially interfere with normal breeding, feeding, or sheltering behavior that may cause injury, decrease in productivity, or nest abandonment.

CONCLUSION
The Proposed Action is not expected to result in a "taking" of any listed species. For purposes of consultation under Section 7(a)(2) of the ESA, we have determined that the Proposed Action would have No Effect on northern long-eared bat, tricolored bat, and monarch butterfly. We understand that USFWS concurrence is not required, and no further action is required for species with No Effect determinations.

The Proposed Action is not likely to jeopardize the continued existence of vulnerable migratory birds or BCC, nor the destruction or adverse modification their designated critical habitat. The Proposed Action would not result in "taking," injury, decrease in productivity, or nest abandonment of bald or golden eagles.

We understand that the USFWS presumes that all activities would be implemented as described herein. Any departures from the described activities will be promptly reported to the New Jersey Ecological Services Field Office.

We appreciate your assistance with this matter and look forward to your response. If you have any questions, please do not hesitate to contact me at robert.nardi@wsp.com or 973-407-1681. Thank you.

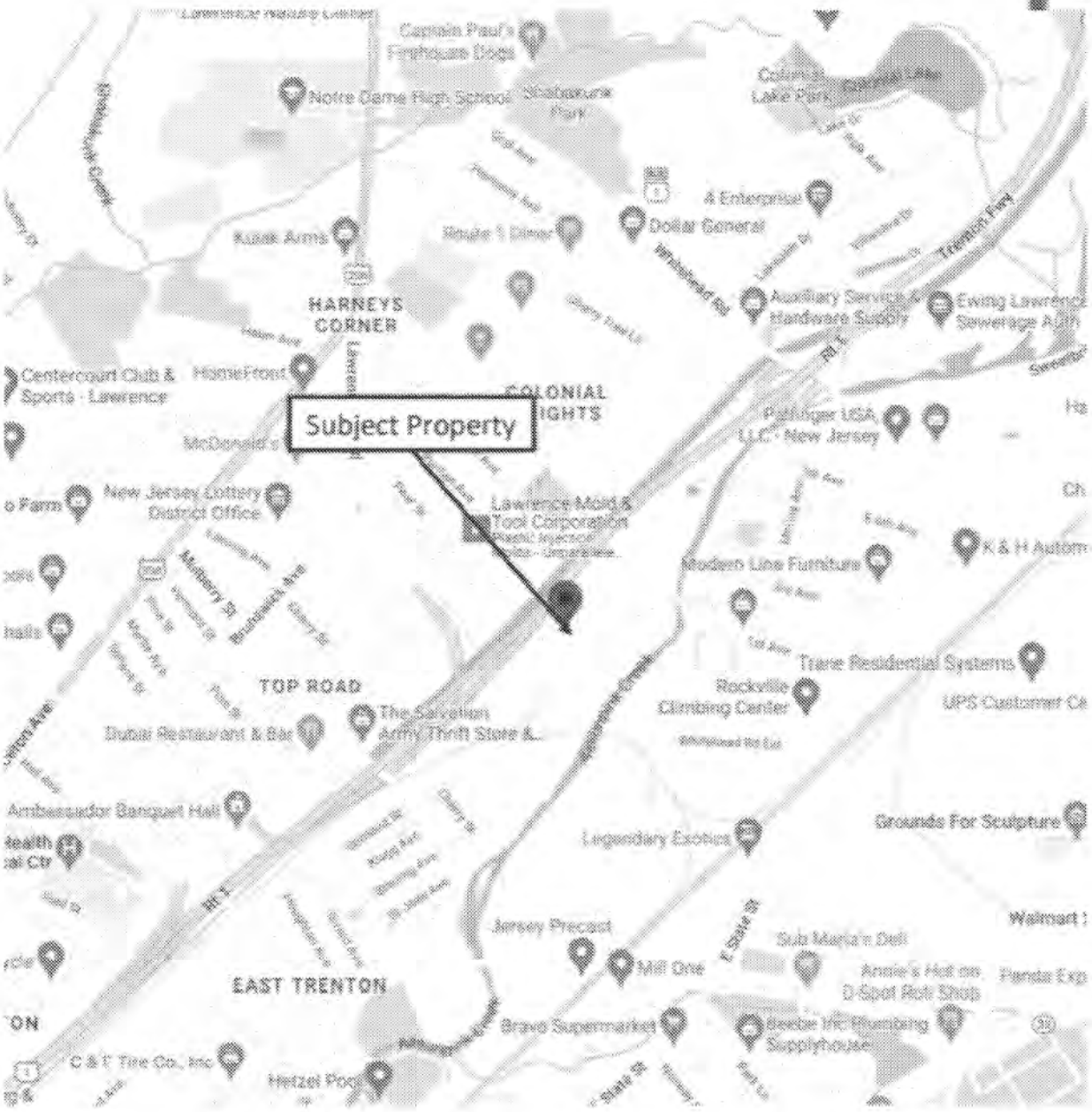
Sincerely yours,
WSP USA, Inc.

(b)(6),(b)(7)(C)

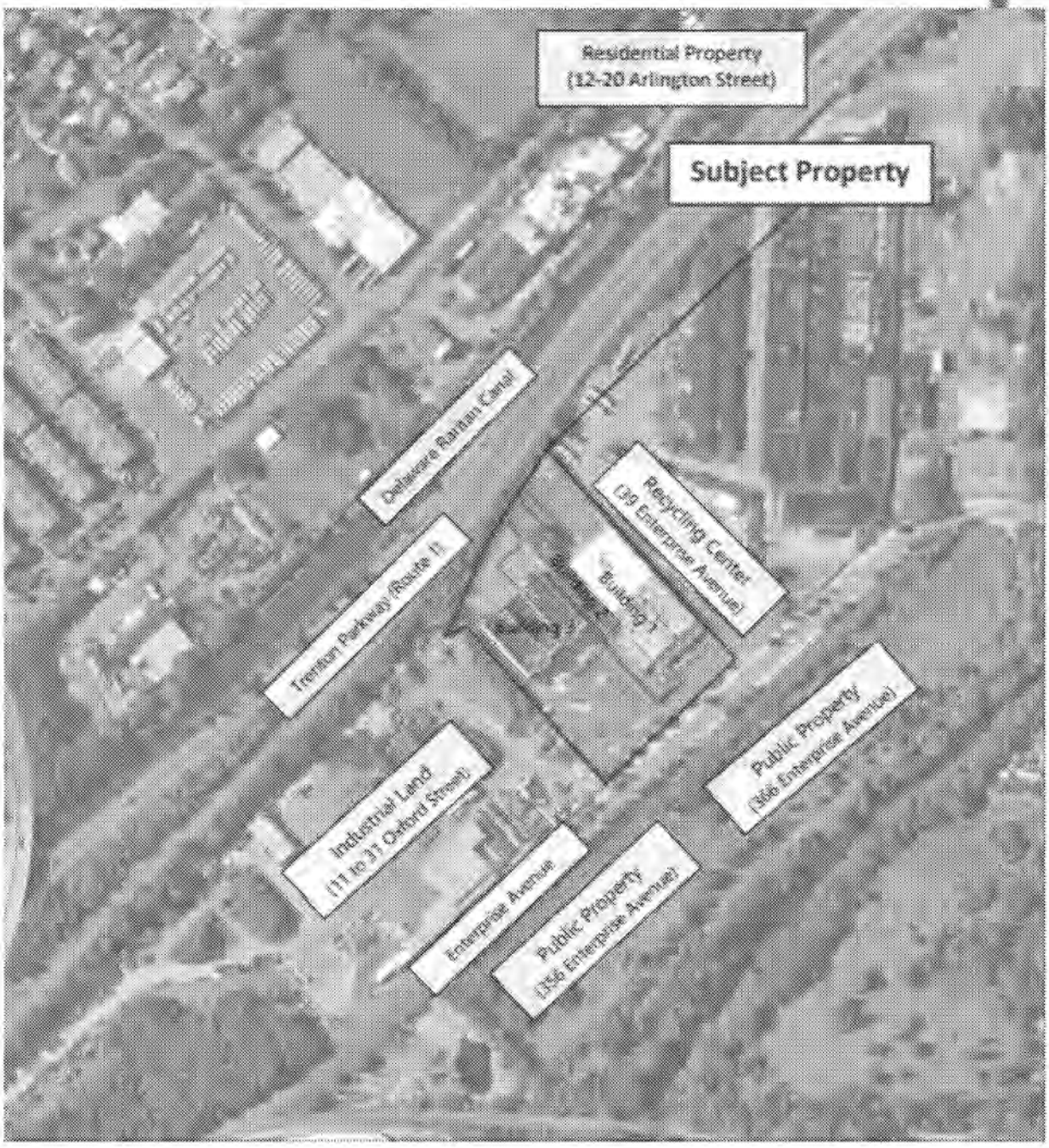
(b)(6),(b)(7)(C) PP
Senior Vice President

Cc: **(b)(6),(b)(7)(C)** WSP

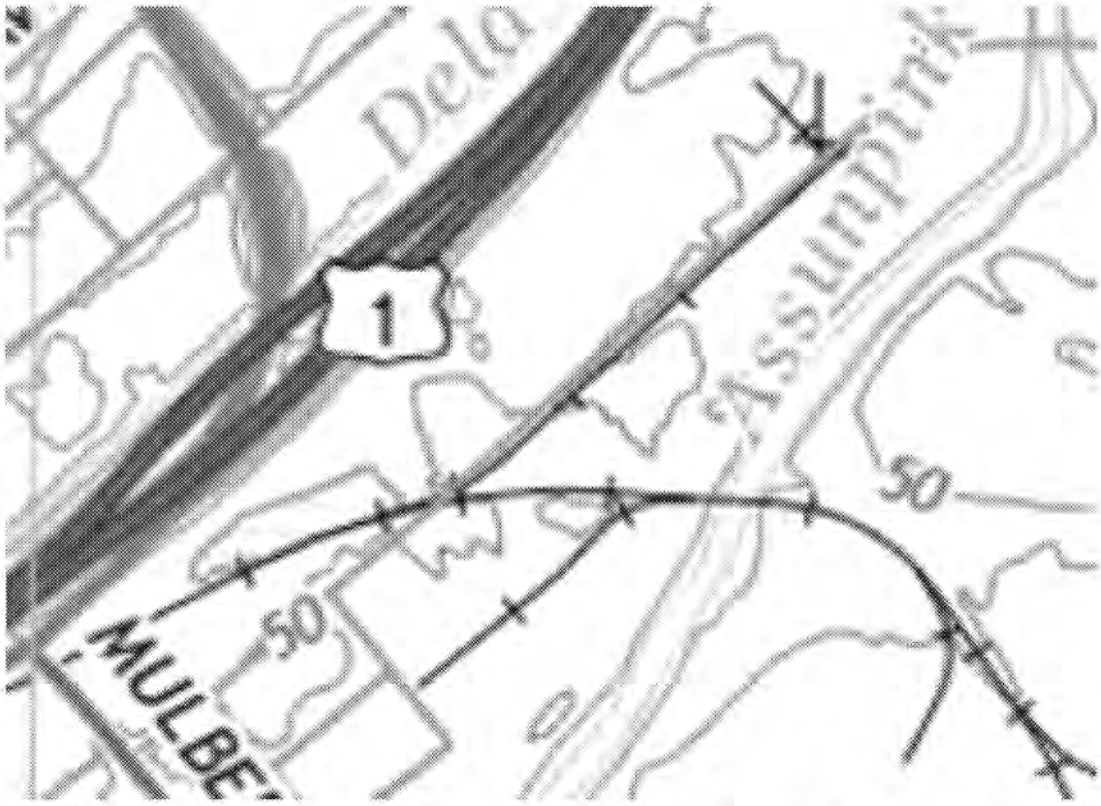
Attachment A: Regional Location – Albert M. "Bo" Robinson Center
Attachment B: Aerial Photograph - Albert M. "Bo" Robinson Center
Attachment C: Topographic Conditions - Albert M. "Bo" Robinson Center
Attachment D: Official Species List



Attachment A: Regional Location - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey



Attachment B: Aerial Photograph - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey



Attachment C: Topographic Conditions - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey

July 11, 2024

United States Army Corps of Engineers
New York Regulatory District
Jacob K. Javits Federal Building
26 Federal Plaza, Room (b)(6),(b)(7)(C)
New York, NY 10278-0090

Via email: Cenan-pa@usace.army.mil

RE: **Albert M. "Bo" Robinson Center, 375 Enterprise Avenue, Trenton, New Jersey Environmental Assessment**

Dear New York Regulatory District:

Immigration and Customs Enforcement's (ICE) is responsible for the detention, health, welfare, transportation, and deportation of noncitizens in removal proceedings, and those subject to a final order of removal. ICE's Enforcement and Removal Operations (ERO) field office in Newark, New Jersey has a need for comprehensive detention services for 600 adult male and female noncitizens that include general population, intake, segregated housing, and medical beds at a contractor-owned/contractor-operated detention facility. The facility must be within 50 driving miles from the ERO field office at 970 Broad Street in Newark, New Jersey.

To accommodate a portion of the detained noncitizen population under ICE jurisdiction, use of the existing Albert M. "Bo" Robinson Center (ARC) in Trenton, New Jersey is proposed (the Proposed Action). WSP USA, Inc. has been contracted to prepare an Environmental Assessment in accordance with the National Environmental Policy Act to evaluate the potential impacts of the proposed action and alternatives associated with use of the ARC to house detained noncitizens under ICE jurisdiction.

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Based on a review of aerial imagery, National Wetland Inventory mapping, and a recent field inspection, the site is completely developed with the ARC and paved parking area with no wetlands or waters of the United States present. For your reference, Attachment A shows the facility's regional location, Attachment B provides an aerial view of the Albert M. "Bo" Robinson Center, and Attachment C shows topographic conditions in and around the facility property.

If you have any questions regarding the proposed action, please do not hesitate to contact me at (b)(6),(b)(7)(C) @wsp.com or 973-407-(b)(6),(b)(7)(C) Thank you.

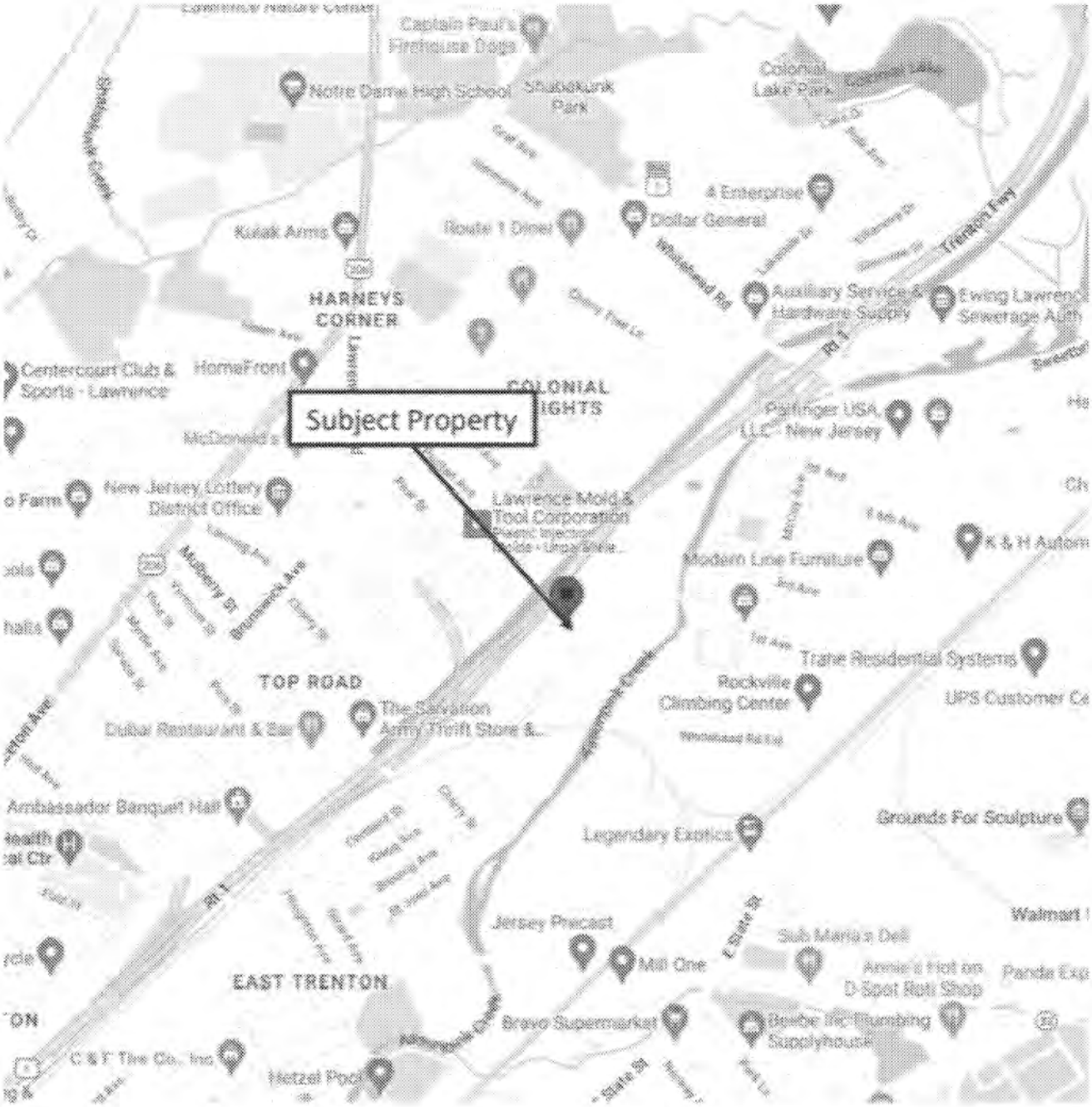
Sincerely yours,
WSP USA, Inc.

(b)(6),(b)(7)(C)

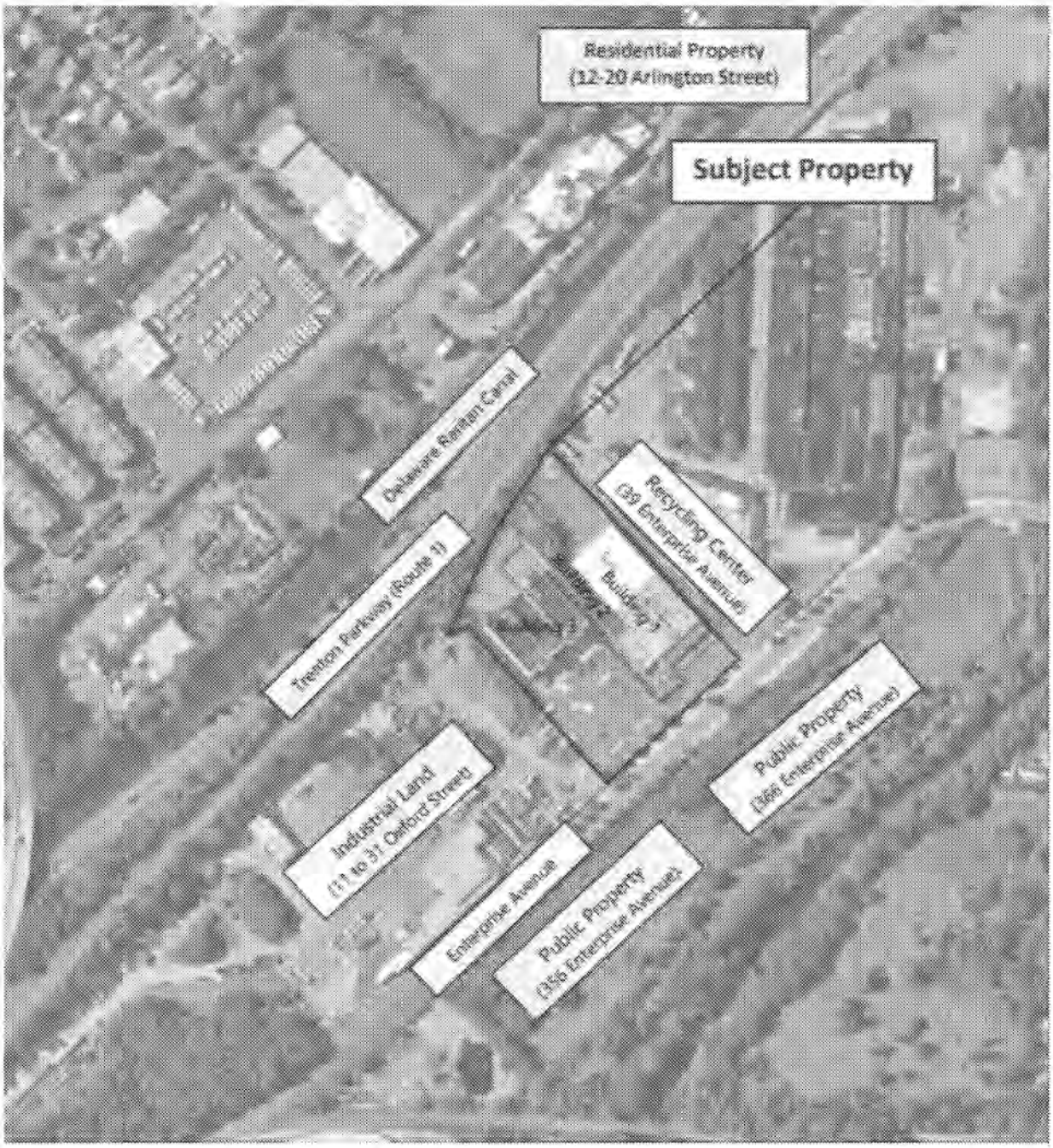
(b)(6),(b)(7)(C) PP
Senior Vice President

Cc: (b)(6),(b)(7)(C) WSP

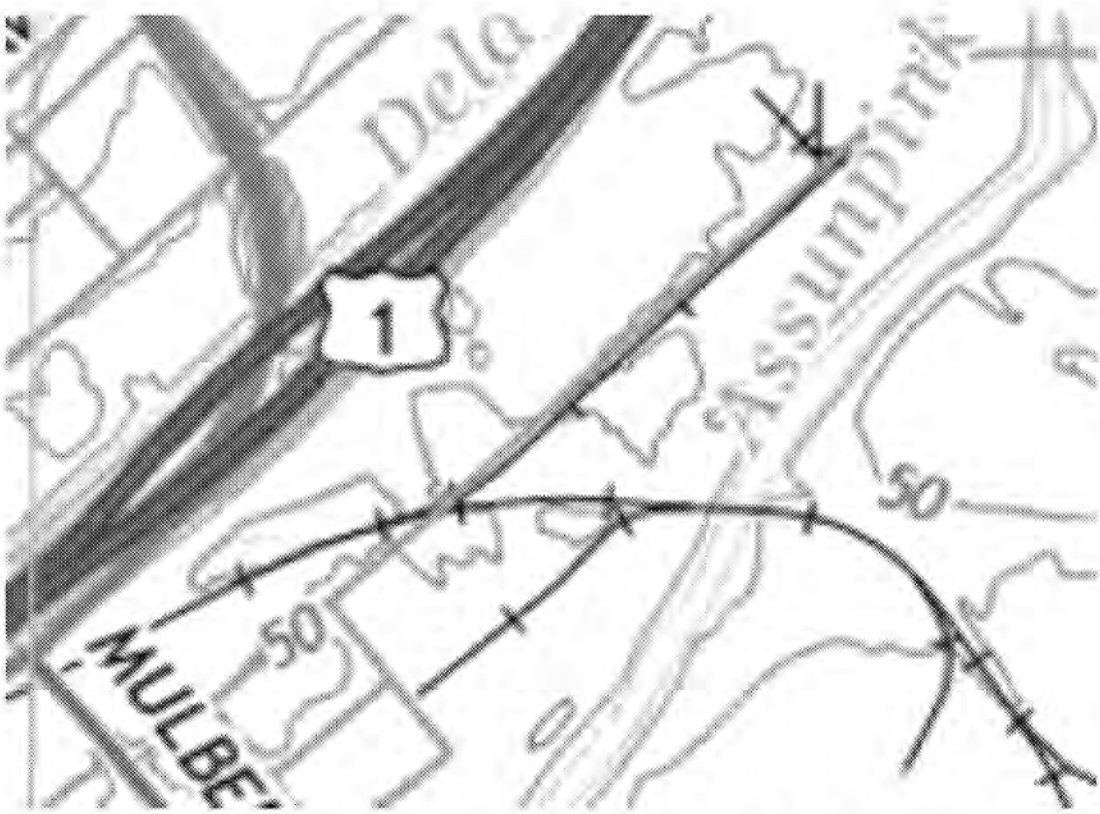
Attachment A: Regional Location – Albert M. "Bo" Robinson Center
Attachment B: Aerial Photograph - Albert M. "Bo" Robinson Center
Attachment C: Topographic Conditions - Albert M. "Bo" Robinson Center



Attachment A: Regional Location - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey



Attachment B: Aerial Photograph - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey



Attachment C: Topographic Conditions - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey

July 11, 2024

Mr. (b)(6),(b)(7)(C), P.G., Director
New Jersey Department of Environmental Protection
Office of Permit and Project Navigation, Environmental Review Unit
401 East State Street
Mail code: 401-07J / P.O. Box 420
Trenton, NJ 08625

Via email: (b)(6),(b)(7)(C)@dep.nj.gov

RE: **Albert M. "Bo" Robinson Center, 375 Enterprise Avenue, Trenton, New Jersey Environmental Assessment**

Dear (b)(6),(b)(7)(C):

Immigration and Customs Enforcement's (ICE) is responsible for the detention, health, welfare, transportation, and deportation of noncitizens in removal proceedings, and those subject to a final order of removal. ICE's Enforcement and Removal Operations (ERO) field office in Newark, New Jersey has a need for comprehensive detention services for 600 adult male and female noncitizens that include general population, intake, segregated housing, and medical beds at a contractor-owned/contractor-operated detention facility. The facility must be within 50 driving miles from the ERO field office at 970 Broad Street in Newark, New Jersey.

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Based on a review of NJ-GeoWeb and a recent field inspection, the property is completely developed, and no wetlands or wildlife habitat are present. NJ-GeoWeb reports that there is a riparian corridor along the northwest boundary of the property; however, the waterbody that is associated with the riparian corridor is separated from the site by US Route 1. For your reference, Attachment A shows the facility's regional location, Attachment B provides an aerial view of the Albert M. "Bo" Robinson Center, and Attachment C shows topographic conditions in and around the ARC property.

If you have any questions regarding the proposed action, please do not hesitate to contact me at (b)(6),(b)(7)(C) @wsp.com or at 973-407-[redacted]. Thank you.

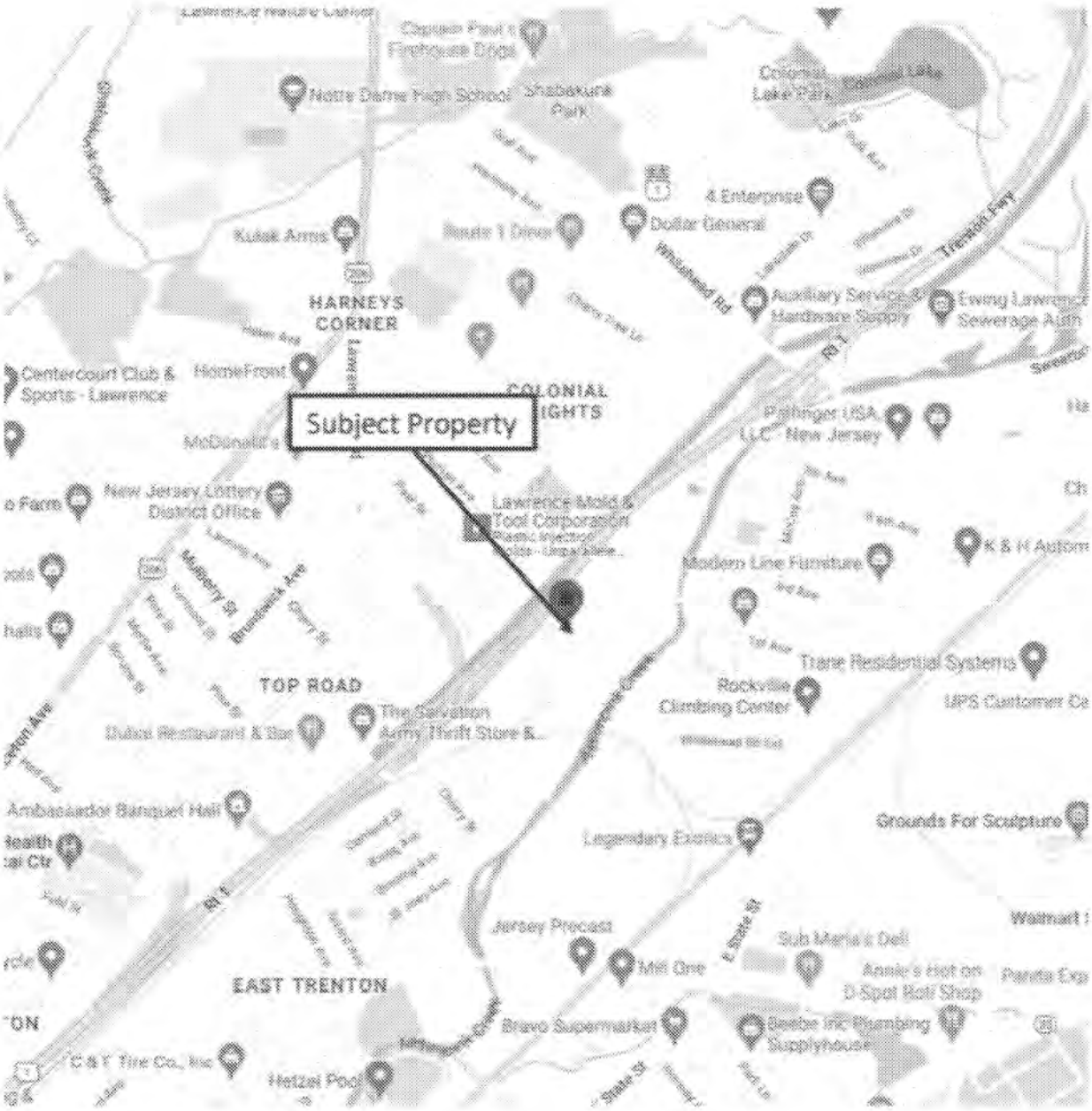
Sincerely yours,
WSP USA, Inc.

(b)(6),(b)(7)(C)

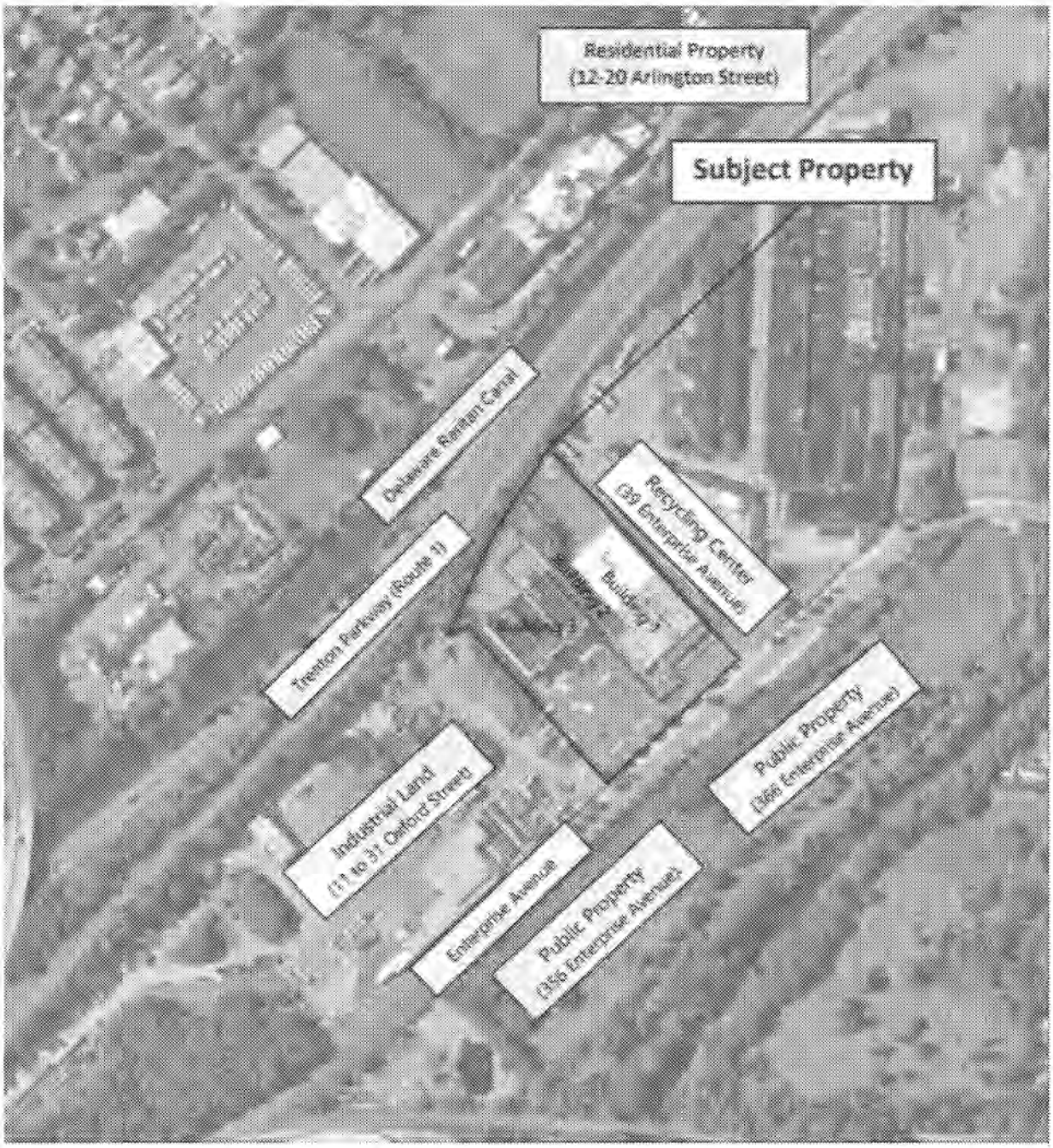
(b)(6),(b)(7)(C), PP
Senior Vice President

Cc: (b)(6),(b)(7)(C) WSP

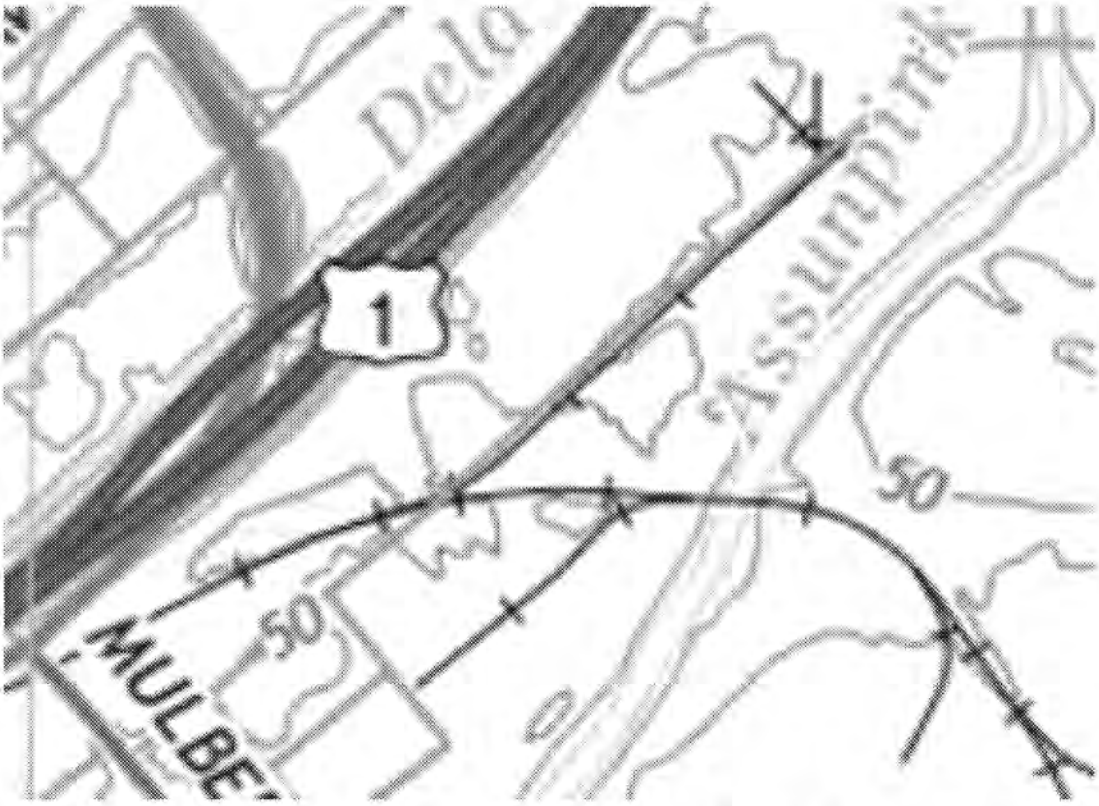
Attachment A: Regional Location – Albert M. "Bo" Robinson Center
Attachment B: Aerial Photograph - Albert M. "Bo" Robinson Center
Attachment C: Topographic Conditions - Albert M. "Bo" Robinson Center



Attachment A: Regional Location - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey



Attachment B: Aerial Photograph - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey



Attachment C: Topographic Conditions - Albert M. "Bo" Robinson Center
375 Enterprise Avenue, Trenton, New Jersey

290 West Mount Pleasant Avenue
Suite (b)(6),(b)(7)(C)
Livingston, NJ 07039

TRENK ISABEL
SIDDIQI &
SHAHDANIAN P.C.

Court Plaza South, West Wing
21 Main Street, Suite
Hackensack, NJ 07601

P: 973.53 F: 973.533.1111 tisslaw.com

(b)(6),(b)(7)(C) Esq.
(b)(6),(b)(7)(C) @tisslaw.com
973.327 (b)(6),(b)(7)(C)
Reply to Livingston office

July 9, 2024

VIA E-MAIL (b)(6),(b)(7)(C) @triumphhotels.com)

(b)(6),(b)(7)(C)
375 Enterprise Realty LLC
1633 Broadway, 46 Floor
New York, New York 10019

Re: 375 -377 Enterprise Avenue, Trenton, New Jersey

Dear Mr (b)(6),(b)(7)(C)

You have engaged this office to act as legal counsel to 375 Enterprise Realty LLC, (the "Developer"), in connection with securing all necessary zoning approvals with respect to the real property located at 375-377 Enterprise Avenue, Trenton, New Jersey (the "Property"). Particularly, it is the intention utilize the Property as an immigration detention facility. The Property was most recently used as a residential correctional facility.

We have made multiple attempts, both verbally and in writing, to voluntarily engage with the City of Trenton (the "City") to discuss the proposed use. The City to date has been entirely unresponsive. In light of the City's failure to act upon the Developer's informal requests, on April 12, 2024 this office filed a formal application for a zoning permit confirming that the Property could be utilized as the intended detention facility (the Zoning Permit Application"). A copy of the Zoning Permit Application is attached hereto as **Exhibit A**. Pursuant to N.J.S.A. 40:55D-18, the City's zoning officer was required to make a determination within ten (10) days of receipt of the application. In the event the zoning officer fails to make a determination within the ten day period, the application is deemed granted. Id.

The City's zoning officer failed to make a determination within ten days. Consequently, this office, by letter dated April 26, 2024 provided notice to the City that the application was deemed statutorily approved. **Exhibit B**. Additionally, pursuant to N.J.S.A. 40:55D-10.4, this office arranged for publication of a notice of default approval as well as service of such notice upon property owners within 200 feet. Proof of such notice was thereafter provided to the City as statutorily required. **Exhibit C**. The 45-day appeal period in which to challenge the default approval has expired.

Given the expiration of the appeal period, this office shall file a formal request with the zoning officer for a Certificate of Default Approval. In the event that the zoning officer fails to execute same, then we may proceed to obtain a court order to compel same.

Very truly yours,

(b)(6),(b)(7)(C)

(b)(6),(b)(7)(C)

(b)(6),(b)(7)(C)

EXHIBIT A

TRENK ISABEL
SIDDIQI &
SHAHDANIAN P.C.

390 West Mount Pleasant Avenue
Suite [redacted]
Livingston, NJ 07039

45 Essex Street
Suite [redacted]
Hackensack, NJ 07601

P: 973 53[redacted] F: 973.533.1111 tisslaw.com

(b)(6),(b)(7)(C) ., Esq.
(b)(6),(b)(7)(C) @tisslaw.com
973.32[redacted]
Reply to Livingston office

April 12, 2024

VIA FED-EX
Zoning Officer
Inspections Division
City of Trenton
319 East State Street, 2nd Floor Annex
Trenton, NJ 08609

Re: 375-377 Enterprise Avenue, Trenton, New Jersey
ZONING PERMIT APPLICATION PURSUANT TO N.J.S.A. 40:55D-18

Dear Sir/Madam:

This office represents 375 Enterprise Realty LLC, (the "Owner"), the owner of the property located at 375-377 Enterprise Avenue, Trenton, New Jersey (the "Property"). Please accept this letter as the Owner's application for a Zoning Permit pursuant to N.J.S.A. 40:55D-18 permitting the Property and its existing buildings, currently used as a residential correctional facility, to be used as a Federal immigration detention center.[1] Based upon the zoning approvals currently in place we respectively submit that it can.

For the convenience of your review, and in addition to the Owner's attached Project Application Review Committee application, we have included with this letter the following documents:

(a) Resolution of the City of Trenton Zoning Board of Adjustment dated April 17, 1996 (**Exhibit A**);

(b) Resolution of the City of Trenton Zoning Board of Adjustment dated January 5, 2000, memorialized January 19, 2000 (**Exhibit B**);

(c) Amended Resolution of the City of Trenton Zoning Board of Adjustment dated December 20, 2000, memorialized January 17, 2001(**Exhibit C**);

[1] Despite request, as well as a search of the City's records, the Owner has been unable to obtain a specific Zoning Permit application form utilized by the City. To the extent one exists, we respectfully request that this letter and its attachments be utilized in place of same.

(d) Resolution of the City of Trenton Zoning Board of Adjustment dated (memorialized) November 15, 2006 (**Exhibit D**);

(e) City of Trenton Certificate of Occupancy dated August 11, 2009 (**Exhibit E**);

(f) City of Trenton Zoning Report – May 8, 2017 (**Exhibit F**);

(g) ALTA/NSPS Title Survey, dated March 7, 2023, prepared by E2 Project Management LLC. (**Exhibit G**);

(h) Sample Listing of Existing Immigration detention centers including correctional and prison facilities serving such purposes. (**Exhibit H**);

(For purposes of this opinion, items (a) through (e) above are hereinafter collectively referred to as the "**Zoning Documents**").

Based upon the foregoing, and for the reasons further set forth below, it is clear that an immigration detention facility would be an allowable use of the Property under the previously granted approvals, particularly as it qualifies as a correctional facility consistent with the Property's existing approvals. Specifically:

1. Pursuant to City of Trenton Zoning and Land Development Ordinance, Chapter 315 et seq. (as updated and amended) prisons and similar facilities are not permitted uses within Industrial Zones A and B within which the Property sites. Accordingly, the prior operator, Community Education Center, Inc. ("CEC"), applied for and received use variance relief and site plan approval from the Trenton Zoning Board of Adjustment (the "Board") to "construct a residential correctional facility to be located at 375 Enterprise Avenue, Trenton, New Jersey", which approval was memorialized in the Board's resolution dated November 15, 2006 (the "2006 Resolution"). The 2006 Resolution confirmed that CEC operated the Bo Robinson residential correctional facility at 377 Enterprise Avenue and that the 375 Enterprise Avenue property would be used to expand and operate that facility's use. The 2006 Resolution confirmed that the Board "had previously found that the use on this site was appropriate for the site." See 2006 Resolution, p.2, para 5.

2. Pursuant to the Certificate of Occupancy dated August 11, 2009, permit number 07-0855, the facility is a "prison" with a total of 1283 beds.

3. It is the understanding of this office that until recently the Property housed the Albert M. "Bo" Robinson Assessment & Treatment Center and housed both state and county inmates. According to the nongovernmental site prisonal.org, Albert M. Bo Robinson Assessment & Treatment Center is/was a Medium-Security Facility for inmates above 18 years of age. It is stated there that the Facility is currently administered and operated by the New Jersey Department of Corrections Programs, and that the services offered at the Bo Robinson Assessment & Treatment Center included individual and group counseling, cognitive-behavioral therapy, substance abuse programming, educational services, life skills, cultural diversity programs, family

programming, gender-specific treatment, workforce development activities, work release services, faith-based services, and alumni and aftercare programs. Apparently, and until recently, the facility was operated by the GEO Group which claimed to be committed to providing leading, evidence-based rehabilitation programs to individuals while in-custody and post-release into the community through the 'GEO Continuum of Care.' GEO's diversified services platform provides unique capabilities for the delivery of educational and vocational programs, cognitive behavioral and substance abuse treatment, and faith-based services across the entire corrections spectrum.

Further, GEO claimed to provide "complementary, turnkey solutions for numerous government partners worldwide across a spectrum of diversified correctional and community reentry services. From the development of state-of-the-art facilities and the provision of management services and evidence-based rehabilitation to the post-release reintegration and supervision of individuals in the community, GEO offers fully diversified, cost-effective services that deliver enhanced quality and improved outcomes."

According to the non-governmental site https://prisonfinder.org:

The Albert M. "Bo" Robinson Assessment & Treatment Center is run and operated by GEO Group, but it is currently under the New Jersey Department of Corrections.

The Albert M. "Bo" Robinson Assessment & Treatment Center does not have a security level. It thrives on voluntary commitment. The facility is known as a residential reentry center, which is like a halfway house.

It is home to inmates who are almost done with their stint in jail. Usually, they have another 3 to about 12 months left of their sentence to complete, and they can come here if they are a low-security risk.

4. Variances run with the land and are not personal to the property owner who obtained the grant. Aldrich v. Schwartz, 258 N.J. Super. 300, 308 (App. Div. 1992); DeFelice v. Zoning Bd. Of Adjustment of Point Pleasant Beach, 216 N.J. Super. 377, 381 (App.Div.1987); Farrell v. Estell Manor Zoning Bd. Of Adjustment, 193 N.J. Super. 554, 558 (Law Div.1984).

NOTEABLE CASES, STATUES, AND REGULATIONS:

The mission of the U.S. Immigration and Customs Enforcement's ("ICE") Enforcement and Removal Operations (ERO), which from time to time utilizes immigration detention centers, specifically including correctional facilities is to protect the homeland through the arrest and removal of those noncitizens who undermine the safety of our nation's communities and the integrity of U.S. immigration laws:

- To fulfill the agency's critical mission, ERO oversees civil immigration detention in facilities nationwide that house noncitizens to secure their presence for immigration proceedings or removal from the U.S.

- ICE detains noncitizens who are subject to mandatory detention or those that ICE determines are a public safety or flight risk during the custody determination process.

DHS specifically promulgated regulations, contained in 48 C.F.R. § 3017.204-90, authorizing ICE to enter contracts for "detention or incarceration" facilities to house or detain individuals for civil immigration violations. See also N.J.S.A. § 30:4-8.16(a). The purpose of prisons is to house and detain individuals for criminal violations. The detention for civil violations in ICE centers is analogous to detention for criminal violations in prisons.

In terms of statutory definitions, N.J.A.D.C. § 10A:31-1.3 defines "detainer" as a warrant or formal authorization to hold an inmate for prosecution or detention by a Federal, state, or local law enforcement agency or the U.S. Immigration and Customs Enforcement (ICE). Detainers may include, but are not limited to:

1. Adjudicated criminal charges for which sentence has been imposed;
2. Criminal charges resulting from indictment, for which there is no final disposition (open charges);
3. Warrants for violation of parole or probation; and
4. **Immigration detainers.**

(Emphasis added)

Pursuant to 28 C.F.R. § 115.5 General Definitions:

- Detainee means any person detained in a lockup, regardless of adjudication status.
- Facility means a place, institution, building (or part thereof), set of buildings, structure, or area (whether or not enclosing a building or set of buildings) that is used by an agency for the confinement of individuals.
- Jail means a confinement facility of a Federal, State, or local law enforcement agency whose primary use is to hold persons pending adjudication of criminal charges, persons committed to confinement after adjudication of criminal charges for sentences of one year or less, or persons adjudicated guilty who are awaiting transfer to a correctional facility.
- Prison means an institution under Federal or State jurisdiction whose primary use is for the confinement of individuals convicted of a serious crime, usually in excess of one year in length, or a felony.
- Resident means any person confined or detained in a juvenile facility or in a community confinement facility.

Under N.J.S.A. § 30:4-8.16(a), an "immigration detention agreement" is "any contract, memorandum, intergovernmental service agreement, or memorandum of understanding that authorizes the State, local government agency, or private detention facility to house or detain individuals for civil immigration violations." N.J.S.A. § 30:4-8.16(a); Id. at *9. A private

detention facility is defined in the statute as "any privately owned or operated facility that houses or detains individuals for civil immigration violations." Id. at *9.

Notably, Congress has expressed a clear preference for the federal government to consider using existing facilities before building its own. 8 U.S.C. § 1231(g)(1)—(2). Id. at *36. The language and framework of the Immigration and Nationality Act (the "INA") make plain Congress's intent that the federal government is authorized to decide whether to detain individuals for civil immigration violations, and if so how to detain them, without submitting to state regulation. Id. at 51.

Further, as discussed in the recent New Jersey District court case CoreCivic Inc. v. Philip D. Murphy, the Department of Homeland Security (DHS) has promulgated regulations permitting ICE to "enter into contracts of up to 15 years' duration for **detention or incarceration** space or facilities, including related services." CoreCivic Inc. v. Philip D. Murphy, 2023 U.S. Dist. LEXIS 152099 (D.N.J. Aug. 29, 2023), *5 (emphasis added); see also 48 C.F.R. § 3017.204-90. CoreCivic discussed the unconstitutionality of a Statewide ban preventing State, local, and private detention facilities from entering into agreements to detain noncitizens. The court struck down the ban because of issues concerning the Supremacy Clause and intergovernmental immunity: "when federal law gives discretion to a federal official to hire a contractor to perform federal work, a state cannot override the federal official's decision to do so." Id. at *24 (quoting Geo Group, Inc. v. Newsom, 50 F.4th 745 (9th Cir. 2022) (en banc)). The New Jersey District court found this case persuasive in rending its decision in CoreCivic.

Further, in Florence v. Bd. of Chosen Freeholders, the United States Supreme Court considered the question of whether people arrested for minor offenses should be subjected to invasive searches when prison officials have no reason to suspect concealment of weapons, drugs, or other contraband.,. Notably, stated in its opinion that "[t]he term 'jail' is used in a broad sense to include prisons and other detention facilities." Florence v. Bd. of Chosen Freeholders, 566 U.S. 318, 322 (2012).

CONCLUSION:

An immigration detention center clearly falls within the scope and definition of a "prison" or a "jail" or correctional facility as the inmates/detainees it houses are primarily detained awaiting disposition of their case. The purpose of an immigration detention center is to hold noncitizens awaiting immigration proceedings, similar to jails or other correctional facilities holding inmates awaiting trial. This conclusion is conclusively evidenced by the fact that ICE does indeed correctional and jail facilities for immigration detention center throughout the Nation. See **Exhibit H**.

In light of the foregoing, from a land use law perspective an immigration detention facility is clearly an allowable use of the Property under, and consistent with, the previously granted approvals referenced above and the currently prevailing law. Please issue the requested permit accordingly

Very truly yours,

/s (b)(6),(b)(7)(C)

(b)(6),(b)(7)(C)

(b)(6),(b)(7)(C)

EXHIBIT A

#1

THE BOARD OF ADJUSTMENT
CITY OF TRENTON

RESOLUTION

WHEREAS, an application on appeal from the refusal of the Building Inspector to grant a permit has been made to this Board of Adjustment by Steven J. Picco Esq., for Mr. John Clancy, owner of lessee of the premises hereinafter mentioned and described, to convert property into an Institutional Use, requesting exception to the Revised General Ordinances of the City of Trenton, on the land and premises known and designated as 377 Enterprise Avenue; and

WHEREAS, said land and premises are located in an Industrial "B" Zone; and

WHEREAS, this Board held a public hearing on April 17, 1996, in the Council Chambers, City Hall, Trenton, New Jersey, on said appeal; and

WHEREAS, due notice of said hearing was given to all property owners within 200 feet in every direction of any apart of the aforesaid premises; and

WHEREAS, this Board had made an inspection of the premises in question as well as the immediate surrounding neighborhood in general, and has weighed and considered all of the testimony and the evidence produced at the hearing, and finds therefrom the following reasons to exist in connection with the aforestated application to wit:

The use contemplated would be an improvement to the subject property,

and based thereon, has determined that the strict application of the provisions of the Ordinance of the City of Trenton would result in peculiar and practical difficulties to or exception and undue hardship upon the applicant and that a variance from such strict application would relieve such difficulties or hardships without substantially impairing the intent and purpose of the Zone Plan and the Zoning Ordinance, now therefore,

(cont'd)

RESOLUTION

BE IT RESOLVED by the Board of Adjustment that in pursuance to and by virtue of the authority vested in it by the laws of the State of New Jersey N.J.S.A. 40:55D-69 etseq., it hereby GRANTS to Steven J. Picco Esq., for Mr. John Clancy, to convert property into an Institutional Use with exception to Chapter 19-23.1 (Use) of the Revised General Ordinances of the City of Trenton, on the land and premises known and designated as 377 Enterprise Avenue.

BE IT FURTHER RESOLVED by this Board of Adjustment, that this permit be granted with the following conditions:

1. Applicant shall initially limit the maximum number of clients that will be housed at this facility at one time to 300. Increasing capacity above this threshold will require approval from the Zoning Board of Adjustment.
2. Substance abuse treatment shall be restricted to those individuals residing at the facility. No drop in or out-patient treatment shall be permitted.
3. The applicant shall indicate what on-site security measures will be provided during the entire day to insure that the clients do not wander off the facility, or disrupt the adjacent residential neighborhoods.
4. Applicant shall indicate the peak hours of activity at the facility and what measures will be taken to protect against undue noise or nuisance, particularly between 8:00 p.m and 7:00 a.m.
5. Applicant shall indicate how client visitation will be handled.

VOTE TO GRANT: 6-0

THE BOARD OF ADJUSTMENT
CITY OF TRENTON

James Brown, Chairman
Frank Clark
Gertrude J. McCray
Aida Ramirez
Laurence Reilly
Mary Ann Tolbert

DATED: APRIL 17, 1996

I, HEREBY CERTIFY THIS TO BE A TRUE AND ACCURATE COPY OF THE RESOLUTION ADOPTED BY THE CITY OF TRENTON ZONING BOARD OF ADJUSTMENT AT A PUBLIC HEARING HELD ON MAY 15, 1996.

Teresa DePula

TERESA DEPULA, SECRETARY
BOARD OF ADJUSTMENT
CITY OF TRENTON

EXHIBIT B

THE BOARD OF ADJUSTMENT
CITY OF TRENTON

RESOLUTION

WHEREAS, an application on appeal from the refusal of the Building Inspector to grant a permit has been made to this Board of Adjustment by Steven Picco Esq., for Community Education Centers, owner or lessee of the land and premises hereinafter mentioned and described, to erect an addition to the existing structure for a Change of Use to I-3 An Assessment Center and Preliminary and Final Site Review, requesting exception to Chapter 19-24.1 (Use) and Chapter 19-12.10 (Preliminary and Final Site Review), on the land and premises known and designated as 377 Enterprise Avenue; and

WHEREAS, said land and premises are located in an Industrial "B" Zone; and

WHEREAS, this Board held a public hearing on January 5, 2000, in the Council Chambers, City Hall, Trenton, New Jersey, on said appeal; and

WHEREAS, due notice of said hearing was given to all property owners within 200 feet in every direction of any part of the aforesaid premises; and

WHEREAS, this Board had made an inspection of the premises in question as well as the immediate surrounding neighborhood in general, and has weighed and considered all of the testimony and the evidence produced at the hearing, and finds therefrom the following reasons to exist:

The use contemplated will be an improvement to the subject property,

and based thereon has determined that the strict application of the provisions of the Ordinances of the City of Trenton would result in peculiar and practical difficulties to or exception and undue hardships upon the

(cont'd)

application would relieve such difficulties or hardships without substantially impairing the intent and purpose of the Zone Plan and the Zoning Ordinance, now therefore:

BE IT FURTHER RESOLVED by this Board of Adjustment, that this permit be granted with the following conditions:

1. Applicant shall indicate on sheet A-1, See sheet A-4 for owner's list.
2. Zoning data should indicate 11 feet existing for side yard provided 17 feet 4 inches to new addition.
3. Check spelling in note #4.
4. Applicant shall provide signature box with owner's name, address, etc., signature block for city officials must be provided.
5. Applicant shall provide a revised plan drawn to scale.
6. Applicant shall provide as-built information for the existing drainage system. At the southeast corner, the trench drain is tied into the existing inlets on Enterprise Avenue with two 6 inch PVC pipes. Applicant shall detail where the 15 inch pipe that comes from the side of the building connects on Enterprise Avenue.
7. Applicant shall provide existing utilities information on plan.
8. If dumpster is enclosed, information for enclosing dumpster shall be provided.
9. Applicant shall indicate what drainage is existing and what is being proposed. Inverts of trench drains and pipes shall also be indicated.
10. Elevations at the northwest corner of the existing parking area indicate a low point by 2 feet or more. Applicant shall verify elevations. Also, plan lacks elevations in several areas. It is difficult to determine if drainage problem will develop.
11. A third set of steps is shown on sheet A-4 but not on A-2. The location is questionable. Sheet A-4 shows the steps on the existing building but sheet A-5 show the steps on the new addition. Applicant shall indicate the correct location of the proposed steps.
12. Applicant shall provide an up-to-date survey to accompany these plans.
13. Grate #4526 as indicated on sheet A-2 will not fit on inlet.
14. Class "B" concrete should be used for trench drain and/or inlet if block is not used.

(cont'd)

15. Note #5 is not as per zoning data on sheet A-1. Sheet A-1 indicates 23 parking spaces provided, not 43. Plan count shows 27 spaces. Applicant shall make necessary changes.
16. Isolux charts are shown but location of different wattage fixtures is not indicated. Applicant shall indicate location of wattage fixtures.
17. There is no lighting proposed at front parking lot. Applicant shall provide lighting at front of parking lot.

VOTE TO GRANT: 7-0

THE BOARD OF ADJUSTMENT
CITY OF TRENTON

Laurence Reilly, Chairman
David Bosted
Anthony Chell
Ronald Luccarelli
Barbara Maddox
Aida Ramirez
Cordelia Staton

DATED: JANUARY 5, 2000

I, HEREBY CERTIFY THIS TO BE A TRUE AND ACCURATE OF THE RESOLUTION ADOPTED BY THE CITY OF TRENTON ZONING BOARD OF ADJUSTMENT AT A PUBLIC HEARING HELD ON JANUARY 19, 2000.

Teresa DePula

TERESA DEPULA, SECRETARY
BOARD OF ADJUSTMENT
CITY OF TRENTON

EXHIBIT C

#2

THE BOARD OF ADJUSTMENT
CITY OF TRENTON

AMENDED RESOLUTION

WHEREAS, an application on appeal from the refusal of the Building Inspector to grant a permit has been made to this Board of Adjustment by Steven Picco Esq., for Community Education Centers, owner or lessee of the land and premises hereinafter mentioned and described, to erect an addition to the existing structure for a Change of Use of 1-3 an Assessment Center and Preliminary and Final Site Review, requesting exception to Chapter 19-24.1 (Use) and Chapter 19-12.10 (Preliminary and Final Site Review), on the land and premises known and designated as 377 Enterprise Avenue; and

WHEREAS, said land and premises are located in an Industrial "B" Zone; and

WHEREAS, this Board held a public hearing on January 5, 2000, and revised on December 20, 2000, in the Council Chambers, City Hall, Trenton, New Jersey, on said appeal; and

WHEREAS, due notice of said hearing was given to all property owner within 200 feet in every direction of any part of the aforesaid premises; and

WHEREAS, this Board had made an inspection of the premises in question as well as the immediate surrounding neighborhood in general, and has weighed and considered all of the testimony and the evidence produced at the hearing, and finds therefrom the following reasons to exist:

The use contemplated will be an improvement to the subject property, And based thereon has determined that the strict application of the provisions of the Ordinances of the City of Trenton would result in peculiar and practical difficulties to or exception and undue hardships upon the application would relieve such difficulties or hardships without substantially impairing the intent and purpose of the Zone Plan and the Zoning Ordinance, now therefore:

BE IT FURTHER RESOLVED by this Board of Adjustment, that this permit be granted with the following conditions:

1. Applicant shall indicate on sheet A-1, See sheet A-4 for owner's list.
2. Zoning data should indicate 11 feet existing for side yard provided 17 feet 4 inches to new addition.
3. Check spelling in note #4.
4. Applicant shall provide signature box with owner's name, address, etc., signature block for city officials must be provided.
5. Applicant shall provide a revised plan drawn to scale.
6. Applicant shall provide as-built information for the existing drainage system. At the southeast corner, the trench drain is tied into the existing inlets on Enterprise Avenue with two 6-inch PVC pipes. Applicant shall detail where the 15-inch pipe that comes from the side of the building connects on Enterprise Avenue.
7. Applicant shall provide existing utilities information on plan.

(CONT'D)

8. If Dumpster is enclosed, information for enclosing Dumpster shall be provided.
9. Applicant shall indicate what drainage is existing and what is being proposed. Inverts of trench drains and pipes shall also be indicated.
10. Elevations at he northwest corner of the existing parking area indicate a low point by 2 feet or more. Applicant shall verify elevations. Also, plan lacks elevations in several areas. It is difficult to determine if drainage problem will develop.
11. A third set of steps is shown on sheet A-4 but not on A-2. The location is questionable. Sheet A-4 shows the steps on the existing building but sheet A-5 show the steps on the new addition. Applicant shall indicate the correct location of the proposed steps.
12. Applicant shall provide an up-to-date survey to accompany these plans.
13. Grate #4526 as indicated on sheet A-2 will not fit on inlet.
14. Class "B" concrete should be used for trench drain and/or inlet if block is not used.
15. Note #5 is not as per zoning data on sheet A-1. Sheet A-1 indicates 23 parking spaces provided not 43. Plan count shows 27 spaces. Applicant shall make necessary changes.
16. Isolux charts are shown but location of different wattage fixtures is not indicated. Applicant shall indicate location of wattage fixtures.
17. There is no lighting proposed at front parking lot. Applicant shall provide lighting at front of parking lot.
18. An occupancy increase of 100 beds.

VOTE TO GRANT: 6-0

THE BOARD OF ADJUSTMENT
CITY OF TRENTON

Laurence Reilly, Acting Chairman
Anthony Chell
Barbara Maddox
Michael Marciante
Aida Ramirez
Patricia Stewart

DATED: DECEMBER 20, 2000

I, HEREBY CERTIFY THIS TO BE A TRUE AND ACCURATE OF THE RESOLUTION ADOPTED BY THE CITY OF TRENTON ZONING BOARD OF ADJUSTMENT AT A PUBLIC HEARING HELD ON JANUARY 17, 2001.

TERESA DEPULA, SECRETARY
BOARD OF ADJUSTMENT
CITY OF TRENTON

[8.2.1.5.1] [Bo Robinson_Enterprise Way_NJ_Certificate of Occupancy.pdf] [Page 1 of 1]

Date Issued 8-11-09
Control #
Permit # 07-0855

CERTIFICATE

IDEN

Block 211-A Lot 9
Work Site Location 375 ENTERPRISE AVENUE

Owner in Fee/Occupant COMMUNITY EDUCATION CENTER
75 LIVINGSTON AVENUE
ROSELAND, NEW JERSEY
Title:
Contractor A & E CONSTRUCTION
152 GARRETT ROAD
UPPER DARBY, PA. 19052
Tele. Fax
Lic. No. or Bldrs. Reg. No.
Federal Emp. No.

Home Warranty No. NJ109793
Type of Warranty Plan: State Priv
Use Group ☐ I-3
Maximum Live Load 100 PSF
Construction Classification 3-B
Maximum Occupancy Load 400 NEW BEDS NEW ADDITION TOTAL 1283
Description of Work/Use:

NEW ADDITION & RENOVATION TO PRISON AS PER APPROVED PLANS

CERTIFICATE OF OCCUPANCY

☒ serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

CERTIFICATE OF APPROVAL

☐ serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

☐ is is a temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than 20_____ or the owner will be subject to fine or order to vacate:

CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

☐ serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (____ years); see file

CERTIFICATE OF CONTINUED OCCUPANCY

☐ This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy

☐ serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

Fee $ 589.-
Paid ☒ Check No. 1613
Collected by:

CONSTRUCTION OFFICIAL

U.C.C. F260
(rev. 3W

Appendix B: Albert M. “Bo” Robinson Center Drawings

ALBERT M. "BO" EDUCATION & TREATMENT CENTER

TRENTON NEW JERSEY

CLIENT
COMMUNITY EDUCATION CENTERS
75 LIVINGSTON AVENUE
ROSELAND NJ 07068
P: 973-226-2900
F: 973-740-1993
CONTACT: ROBERT MANN

ARCHITECT
ZAMPOLIN & ASSOCIATES
181 FAIRVIEW AVENUE
WESTWOOD NJ 07675
P: 201-358-1166
F: 201-358-1179
CONTACT: ROBERT E. ZAMPOLIN

CIVIL ENGINEER
GC STEWART ASSOCIATES INC.
320 RUNNYMEDE ROAD
ESSEX FELLS NJ 07021
P: 973-226-0141
F: 973-226-3081
CONTACT: CHUCK STEWART

STRUCTURAL
ALLED ENGINEERING
917 MARIE COURT
FRANKLIN LAKES NJ 07417
P: 201-677-1744
F: 201-677-0249
CONTACT: SHERIF EL FAR

MEP
DESIGN-AIRE ENGINEERING, INC.
220 NORTH COLLEGE AVENUE
INDIANAPOLIS, IN 46202-3702
P: 317-464-9090
F: 317-464-9393
CONTACT: DAVE HAUN

FOR CONSTRUCTION 4-20-07

ZAMPOLIN & ASSOCIATES

ARCHITECTS

DRAWING SYMBOLS

BUILDING SECTION
BUILDING ELEVATION
SECTION DETAIL
INTERIOR ELEVATION
DETAIL REFERENCE
CENTER LINE
DOOR TAG
WINDOW TAG
INTERIOR WINDOW TAG
ELEVATION DATUM
REVISION TAG

MATERIAL SYMBOLS

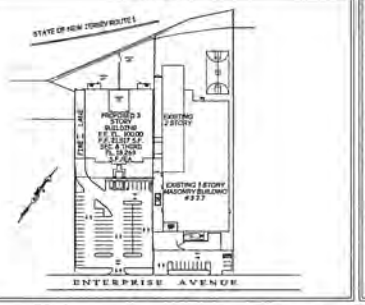
Earth
Steel
Plywood
EPS
Gravel Fill, Stone Ballast
Concrete Masonry Unit (Section)
Hardwood
Rigid Insulation
Concrete
Batt Insulation
Concrete Masonry Unit (Plan)

ABBREVIATIONS

ABV	Above Finished Floor	ID	Inside Diameter
ACT	Acoustic Ceiling Tile	INSUL	Insulation
ADJ	Adjustable	INT	Interior
ALUM	Aluminum	INCL	Include, Including
∠	Angle	INV	Invert
APPROX	Approximate		
ARCH	Architectural	JT	Joint
@	At	JUNCT	Junction Box
BET	Between	LBS	Pounds
BM	Beam	L/B	Long Leg Vertical
BLDG	Building	LT	Light
BLK	Block	LAM	Laminate
BLKG	Blocking		
BD	Board	MAS	Masonry
BOT	Bottom	MATL	Material
B.O.	Bottom of	MTL	Metal
		MIN	Minimum
CAB	Cabinet	MAX	Maximum
CLG	Ceiling	MFR	Manufacturer
CJ	Control Joint	MTD	Mounted
C∕L	Center Line		
C.O.L.	Clear Opl	NIC	Not In Contract
CLG	Closet	NTS	Not To Scale
CMU	Concrete Masonry Unit	NUM	Number
CONC	Concrete	NOM	Nominal
CPT	Carpet		
COL	Column	OC	On Center
CONST	Construction	OPG	Opening
CONT	Continuous	OD	Outside Diameter
CSK	Countersink	OPP (SH)	Opposite (Hand)
		OPP HAND	Opposite Handed
D	Deep		
DN	Down	PNL	Panel
DET	Detail/Detector	PTD	Painted
DIA/Ø	Diameter	PL/PWD/PLYD	Plywood
DIM	Dimension	P. LAM	Plastic Laminate
DWG	Drawing	PREP	Preparation
DNG	Diagram	PS	Pounds Per Square Inch
		PSF	Pounds Per Square Foot
ELEC	Electric, Electrical	R	Riser
EL.	Elevation (Feet & Inches)	RCP	Reflected Ceiling Plan
EQ	Equal	RD	Roof Drain
EA	Each	REC	Recessed Receptor
EXTG	Existing	REINF	Reinforced (Reinforcement)
EJ	Expansion Joint	RELOC	Relocate
EPS	Exterior Insulation Finish System	REQ'D/REQD	Required
		RES	Resilient
FA	Fire Alarm	RM	Room
FE	Fire Extinguisher	RO	Rough Opening
FOB	Face of Block/Brick	SCH	Schedule
FOM	Face of Mill	SEP	Separate
FIN	Finish, Finished	SIM	Similar
FIX	Fixture	SPEC	Specification
FN	Fire Hydrant	SF	Square Foot
FL/FLR	Floor	ST STL	Stainless Steel
FD	Floor Drain	STL	Steel
FOUND	Foundation	STR	Structural, Structure
FTG	Footing	SYM	Symmetrical
		SH	Switch
G	Gas	SQ	Square
GA	Gauge	SUSP	Suspended
GC	General Contractor	THK	Thick
GRTG	Grating	T.O.	Top Of
GL	Glass	T	Tread
GYP(BD)	Gypsum Wall Board	TYP	Typical
GYP BD		TEMP	Tempered
GFCI	Ground Fault Current Interrupt	UNO	Unless Noted Otherwise
HC	Handicapped	UL	Underwriter's Laboratories
HDWE	Hardware		
HDWD	Hardwood	VERT	Vertical
HVAC	Heating, Ventilation + Air Conditioning	VIF	Verify In Field
		VCT	Vinyl Composite Tile
HGHT	Height	W	Wide
HM	Hollow Metal	WWF	Welded Wire Fabric
HR	Hour	W/, W/O	With, Without
HORIZ	Horizontal	WD	Wood
HTR	Heater		
HH	Hot Water		

ZONING DATA

KEY PLAN



KEY PLAN

AERIAL MAP

ARCHITECTURAL

NO.	DRAWING LIST	ISSUE DATE	REVISIONS
T101	TITLE SHEET	4-20-07	
1 OF 1	COVER SHEET	4-20-07	
1 OF 1	EXISTING SURVEY(S)	4-27-07	
2 OF 1	MINOR SUBDIVISION	4-20-07	
1 OF 1	SITE PLAN	4-20-07	
1 OF 1	LANDSCAPE AND LIGHTING PLAN	4-20-07	
4 OF 1	SOIL EROSION AND SEDIMENT CONTROL PLAN	4-20-07	
1 OF 1	CONSTRUCTION DETAILS	4-20-07	
1 OF 9	FIRE PROTECTION NOTES AND SPECIFICATIONS	4-20-07	
2 OF 9	FIRST FLOOR FIRE PROTECTION PLAN	5-14-07	
3 OF 9	SECOND FLOOR FIRE PROTECTION PLAN	5-14-07	
4 OF 9	THIRD FLOOR FIRE PROTECTION PLAN	5-14-07	
5 OF 9	SPRINKLER	4-20-07	
A101	CODE REVIEW	4-20-07	
A102	SIGNAGE PLAN	4-20-07	
A103	BARRIER FREE ACCESSIBILITY DETAILS	4-20-07	
A104	ACCESSIBILITY DETAILS	4-20-07	
A105	ACCESSIBILITY DETAILS	4-20-07	
A107	OVERALL ROOFING PLAN	4-20-07	
A121	FIRST FLOOR PLAN	4-20-07	
A122A	FIRST FLOOR TILE PLAN	4-20-07	
A123	SECOND FLOOR PLAN	4-20-07	
A123A	SECOND FLOOR TILE PLAN	4-20-07	
A125	THIRD FLOOR PLAN	4-20-07	
A126	ROOF PLAN	4-20-07	
A127			
A201	FIRST FLOOR REFLECTED CEILING PLAN	4-20-07	
A202	SECOND FLOOR REFLECTED CEILING PLAN	4-20-07	
A203	THIRD FLOOR REFLECTED CEILING PLAN	4-20-07	
A204	ROOF LIGHTING PLAN	4-20-07	
A301	NORTH AND SOUTH ELEVATION	4-20-07	
A302	EAST AND WEST ELEVATION	4-20-07	
A401	BUILDING SECTION	4-20-07	
A402	BUILDING SECTION	4-20-07	
A501	WALL SECTIONS	4-20-07	
A502	WALL SECTIONS	4-20-07	
A601	PARTITION DETAILS	4-20-07	
A602	PARTITION DETAILS	4-20-07	
A701	ENLARGED STAIR PLAN & SECTION	4-20-07	
A702	ENLARGED TYPE RISER PLAN + SECTION	4-20-07	
A703	ELEVATOR AND STAIR DETAILS	4-20-07	
A704	ENLARGED TOILET ROOM PLAN & DETAILS	4-20-07	
A705	ENLARGED TOILET ROOM PLAN & DETAILS	4-20-07	
A801	ROOF DETAILS	4-20-07	
A802	EXTERIOR RAMPS & STAIRS	4-20-07	
A901	MISCELLANEOUS DETAILS	4-20-07	
A911	FINISH AND DOOR SCHEDULES AND DETAILS	4-20-07	
A912	HARDWARE SCHEDULE AND SPECIFICATIONS	4-20-07	
A913	WINDOW SCHEDULE AND DETAILS	4-20-07	

STRUCTURAL

NO.	DRAWING LIST	ISSUE DATE	REVISIONS
S1	FOUNDATION PLAN	4-20-07	
S2	FOUNDATION DETAILS	4-20-07	
S3	SECOND FLOOR FRAMING PLAN	4-20-07	
S4	THIRD FLOOR FRAMING PLAN	4-20-07	
S5	ROOF FRAMING PLAN	4-20-07	
S6	ROOF PARAPET LAYOUT	4-20-07	
S7	STRUCTURAL DNG	4-20-07	
S8	BUILDING SECTION AND DETAILS	4-20-07	
S9	NOTES	4-20-07	
S10	ALTERNATE ROOF FRAMING PLAN	4-20-07	

MECHANICAL

NO.	DRAWING LIST	ISSUE DATE	REVISIONS
M101	FIRST FLOOR PLAN - HVAC	4-20-07	
M102	SECOND FLOOR PLAN - HVAC	4-20-07	
M103	THIRD FLOOR PLAN - HVAC	4-20-07	
M104	ROOF PLAN - HVAC	4-20-07	
M201	SCHEDULES - HVAC	4-20-07	
M301	DETAILS - HVAC	4-20-07	

ELECTRICAL

NO.	DRAWING LIST	ISSUE DATE	REVISIONS
E001	ELECTRICAL SITE PLAN	5-14-07	
E201	FIRST FLOOR PLAN - LIGHTING	5-14-07	
E202	SECOND FLOOR PLAN - LIGHTING	5-14-07	
E203	THIRD FLOOR PLAN - LIGHTING	5-14-07	
E204	FIRST FLOOR PLAN - POWER + SYSTEMS	5-14-07	
E205	SECOND FLOOR PLAN - POWER + SYSTEMS	5-14-07	
E206	THIRD FLOOR PLAN - POWER + SYSTEMS	5-14-07	
E501	ROOF PLAN - LIGHTING	5-14-07	
E502	ROOF PLAN - POWER	5-14-07	
E401	ONE LINE DIAGRAM + SCHEDULES	4-20-07	
E601	ELECTRICAL SCHEDULES	4-20-07	
E602	ELECTRICAL SCHEDULES	4-20-07	
E603	ELECTRICAL DETAILS	4-20-07	
E602	ELECTRICAL SYMBOLS + ABBREVIATIONS	4-20-07	
E603	ELECTRICAL DETAILS	5-14-07	

PLUMBING

NO.	DRAWING LIST	ISSUE DATE	REVISIONS
P100	UNDERSLAB FLOOR PLAN - PLUMBING SANITARY + STORM	4-20-07	
P101	FIRST FLOOR PLAN - PLUMBING SANITARY + WASTE	4-20-07	
P102	SECOND FLOOR PLAN - PLUMBING SANITARY + STORM	4-20-07	
P103	THIRD FLOOR PLAN - PLUMBING SANITARY + STORM	4-20-07	
P104	ROOF PLAN - PLUMBING	4-20-07	
P105	FIRST FLOOR PLAN - PLUMBING DOMESTIC WATER + GAS	4-20-07	
P106	SECOND FLOOR PLAN - PLUMBING DOMESTIC WATER + GAS	4-20-07	
P107	THIRD FLOOR PLAN - PLUMBING DOMESTIC WATER + GAS	4-20-07	
P201	PLUMBING SANITARY RISER AND VENT SCHEMATIC	4-20-07	
P301	PLUMBING SCHEDULES AND DETAILS	4-20-07	

NOTE:
CIVIL ENGINEERING DRAWINGS REVISIONS ARE SHOWN ON THEIR OWN REVISIONS AND NOT AS SHOWN/LISTED IN THE TITLE BLOCK!

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

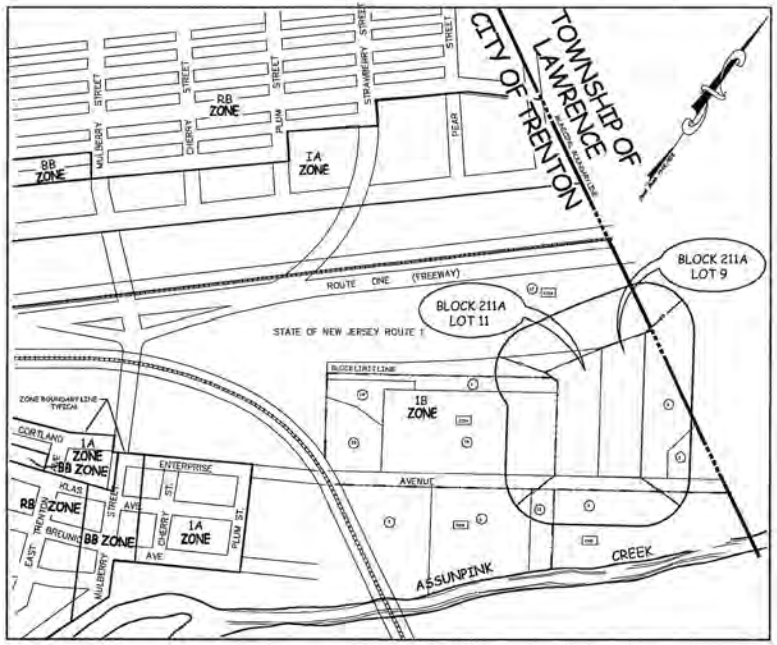
TITLE SHEET

T.101

PRELIMINARY/ FINAL SITE PLAN
COMMUNITY EDUCATION CENTERS, INC.
LOTS 9 & 11 BLOCK 211A
375 ENTERPRISE AVENUE
CITY OF TRENTON
MERCER COUNTY, NEW JERSEY

PROPERTY OWNERS WITHIN 200' OF SUBJECT PROPERTY

DRAWING INDEX



AREA/ZONE MAP

GRAPHIC SCALE

(IN FEET)
1 inch = 200 ft.

OWNER/APPLICANT - LOTS 9 & 11, BLOCK 211A
COMMUNITY EDUCATION CENTERS, INC.
75 LIVINGSTON AVENUE
ROSELAND, N.J. 07068
ATT. MR. JOHN CLANCY
PHONE: (973) 226 - 2000

JOHN CLANCY - PRESIDENT — Date

ATTORNEY
STEVEN PECCO, ESQ.
REED SMITH LLC
235 MAIN STREET
P.O. BOX 7839
PRINCETON, N.J. 08543
PHONE: (609) 987 - 0050

GENERAL CONSTRUCTION NOTES

(where applicable)

1) Paving Specifications: 8-inch quarry process on compacted sub-base, plus 4-inch stabilized base, plus 2-inch F.A.B.C. (all compacted thicknesses)
2) Water mains shall be minimum 8"-diameter ductile iron pipe, class 52, cement lined.
3) Water meters (make and model) shall be coordinated with the City Water Department to ensure compatibility with existing equipment.
4) All water mains and service lines shall have a minimum of 4 feet of ground cover.
5) All water mains shall be pressure tested and disinfected in accordance with AWWA standards. Testing and disinfection shall be witnessed by authorized City personnel.
6) All proposed sanitary sewer mains shall be a minimum 8-inch diameter, ASTM D3034, SDR35 PVC. Minimum horizontal clearance between sanitary and water mains shall be 10 feet. Where it is not possible to provide 10 feet, a minimum vertical clearance of 18 inches shall be provided. All pipes shall consist of antispud- no pipe joints shall be near a crossing.
7) Sewer clean outs shall be placed 2 feet behind the curb.
8) All sanitary sewers shall be pressure tested and deflection tested. Testing shall be witnessed by authorized City personnel.
9) Water and sewer connections lines shall be stubbed behind the curb line and marked with vertical 2 x 4's extending 12 inches above grade.
10) All water and sewer lines are to be bedded on 6 inches of clean 3/4 inch crushed stone and covered with clean granular Fill to 12 inches over the top of pipe. Where work in active area construction areas, clean backfill can be used to fill the remainder of the trench. Where work is completed in existing roadways the remainder of the trench shall be backfilled with quarry processed stone. All trench backfilling shall be compacted in 12 to 18-inch lifts.
11) All water lines are to be separated by the Trenton Water Works, the sewer and drain lines are to be inspected by the Department of Public Works, Sewer Division.
12) All drainage pipes shall be reinforced concrete pipe(RCP), Class III, unless otherwise noted.
13) No connection shall be made to City Facilities (ie. water, sewer, etc.) without the written permission and direct supervision of City Officials.

GENERAL NOTES

1. ALL TRAFFIC CONTROL SIGNING WILL BE ESTABLISHED BY THE CITY OF TRENTON AND THE NEW JERSEY STATE DEPARTMENT OF TRANSPORTATION.
2. STREET LIGHTING TO BE DUSK TO DAWN LIGHTING BY PSE&G CO. AND SHALL BE IN ACCORDANCE WITH THE CITY ORDINANCE.
3. ALL CONSTRUCTION TO CONFORM WITH THE CITY OF TRENTON REGULATIONS AND SPECIFICATIONS.
4. DATUM - NAVD 1929.
5. PROPERTY IS LOCATED ON THE ENTERPRISE AVENUE AREA REDEVELOPMENT PLAN.
6. AREA OF ENTIRE TRACT = 284,221 SQ. FT. (4.329 ACRES)
7. LOT AND BLOCK No.S SHOWN ON THE 400 FOOT SCALE MAP WERE TAKEN FROM THE CITY OF TRENTON TAX MAPS, SHEETS 210, 211 AND 215. THE LOT AND BLOCK No.S ON THE LIST OF PROPERTY OWNERS WITHIN 200 FT. WERE TAKEN FROM A LIST SUPPLIED BY THE CITY ENGINEER'S OFFICE.
8. AS-BUILT PLANS REQUIRED AFTER CONSTRUCTION. THE SITE IS TO BE INSPECTED BY A CITY REPRESENTATIVE TO ASCERTAIN COMPLETENESS AND CORRECTNESS PRIOR TO CERTIFICATE OF OCCUPANCY.

GRAPHIC SCALE

(IN FEET)
1 inch = 80 ft.

FOR CONSTRUCTION - 04/20/07

ZONE REQUIREMENTS AS PER ENTERPRISE AVENUE AREA REDEVELOPMENT PLAN, ADOPTED BY CITY COUNCIL JULY 2002, AMENDED JANUARY 2005
THESE REQUIREMENTS ARE BASED ON THE WEST SIDE OF ENTERPRISE AVENUE

	REQUIRED	EX. LOT 11	EX. LOT 9	PROP. LOT
MIN. LOT AREA	5400 S.F.	86,791 S.F. ★★	97,400 S.F ★★	184,221 S.F. ★★
MAX. LOT AREA	N/A	N/A	N/A	N/A
FRONT YARD SETBACK	5	150.90 FT.	88.63 FT.	88.63 FT.
REAR YARD SETBACK	15'	140.59 FT.	71.90 FT.	62.30 FT.
SIDE YARD SETBACK	15'	12 FT. ★★	9.48 FT. ★★	9.48 FT.★★
MIN. FLOOR AREA RATIO	.18	.18	.09	.31
MAX. BUILDING HEIGHT: STORIES/FEET	5/40	1.5 STORY	1-2 STORIES	5 STORIES/55 FT
PARKING AND ACCESS BUMS SETBACKS (FEET)	15	2.0' ★	2.0'	2.0' ★

★ INDICATES VARIANCE REQUIRED
★★ INDICATES NON-CONFORMING PRE-EXISTING CONDITION
1. SETBACKS MAY BE REDUCED TO 0' IF UTILIZING COMMON ACCESS DRIVE AISLE/OR PARKING FOR ADJACENT LOTS

THE FOLLOWING PERMITS AND APPROVALS ARE REQUIRED FOR THIS PROJECT:
1. APPROVAL OF PRELIMINARY AND FINAL PLANS BY THE CITY OF TRENTON ZONING BOARD OF ADJUSTMENT.
2. APPROVAL OF PRELIMINARY AND FINAL PLANS BY MERCER COUNTY PLANNING BOARD.
3. APPROVAL AND CERTIFICATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLANS BY THE SOIL CONSERVATION DISTRICT.
4. APPROVAL AND CERTIFICATION FROM THE DELAWARE AND RARITAN CANAL COMMISSION

General Notes:

Except as specifically stated or shown on this plot, this survey does not purport to reflect any of the following which may be applicable to the subject premises: easements, other than possible easements which were visible at the time of making of this survey, building setback lines, restrictive covenants, subdivision restrictions, zoning or other land-use regulations, and any other facts which an accurate and current title search may disclose.

No attempt has been made as part of this boundary survey to obtain or show data concerning the existence, size, depth, condition, capacity, or location of any utility or municipal/public service facility. For information regarding these utilities or facilities, please contact the appropriate agencies.

Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts which an accurate and current title search may disclose.

DRAWING DISCLAIMER

This Drawing and all information contained hereon is authorized for use only by the party for whom the work was commissioned or to whom it is certified to. This Drawing may not be copied, reused, disclosed, distributed, or relied upon without the express written consent of G.C. Stewart Assoc. If this Drawing does not contain a raised impression seal of the undersigned professional, it is not an authorized document and may have been altered.

UTILITY NOTE:

The location of existing underground utilities as shown hereon are based on above ground structures, record drawings and actual physical locations provided to the surveyor. Locations of underground utilities/structures may vary from locations shown hereon. Additional buried utilities/structures may be encountered. The contractor must make during the progress of this survey to locate buried utilities/structures. Before excavations are begun, the following utilities should be contacted for verification of utility type and for field locations: Gas, Telephone, Electric, Water, Sewer, Cable TV, Etc.

THIS PLAN HAS BEEN APPROVED AT A MEETING BY THE ZONING BOARD OF ADJUSTMENT OF THE CITY OF TRENTON ON_____

CHAIRMAN — DATE

SECRETARY — DATE

CITY ENGINEER — DATE

NO.	DATE	DESCRIPTION	BY
7	05/03/07	NO REVISION TO THIS SHEET	
6	04/20/07	NO REVISION TO THIS SHEET	
5	03/16/07	NO REVISION TO THIS SHEET	
4	12/20/06	NO REVISION TO THIS SHEET	
3	10/30/06	NO REVISION TO THIS SHEET	
2	09/18/06	REV. PER CITY OFFICIALS-9/14/06	
1	09/06/06	REV. PER CITY OFFICIALS	

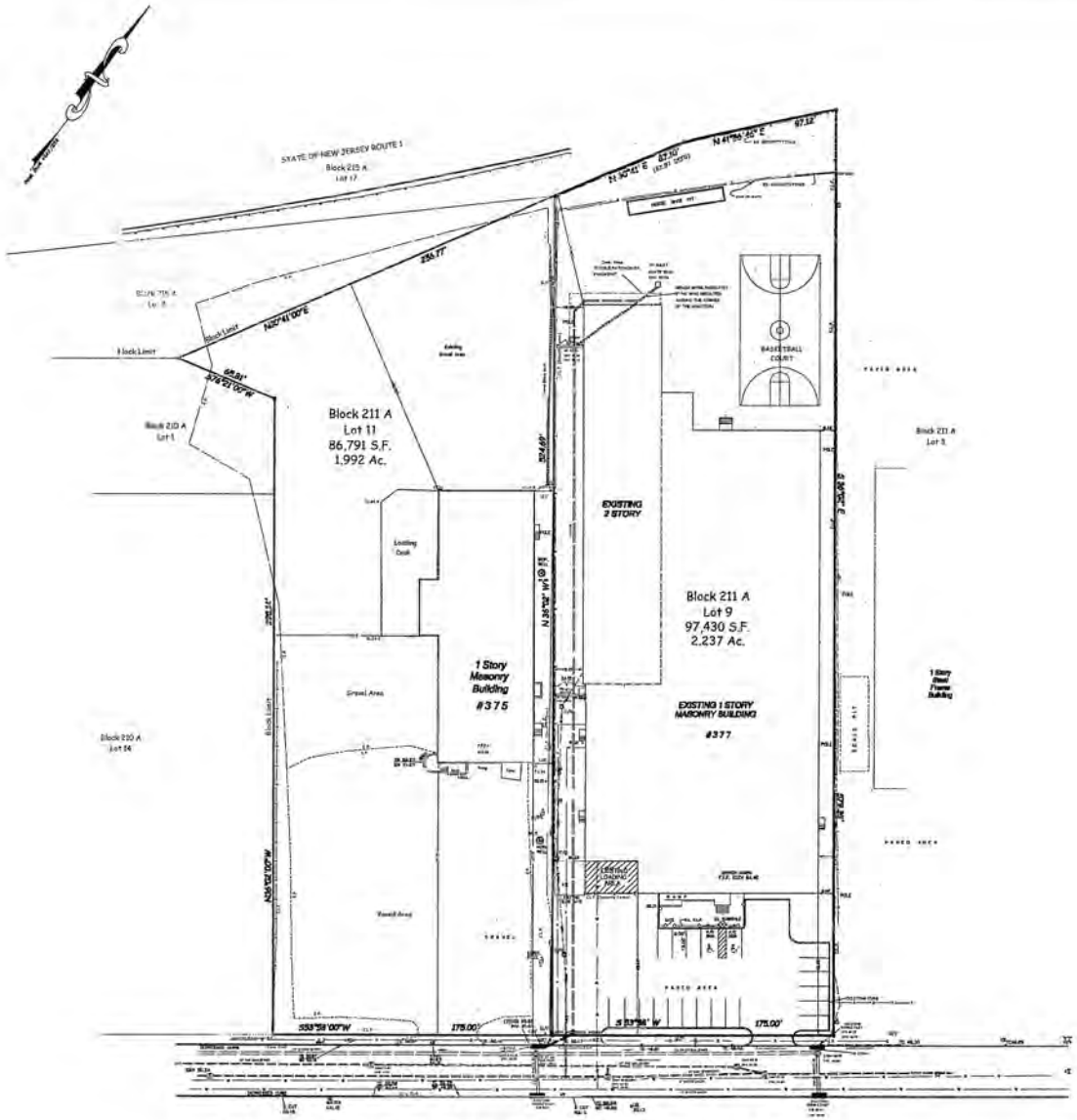
COVER SHEET
Block 211 A ~ Lot 11
No.375 Enterprise Avenue
City of Trenton Mercer County New Jersey

G.C. Stewart Associates Inc.
Engineers Surveyors Planners
Yella Professional Building
260 Runnymede Road
Ewing Twp. N.J. 08628
Phone (609) 896-0041 Fax (609) 896-0081
Certificate of Authorization No. 24GA27827300

Scale:	Dwg. By	Chk. By	Field Book	Dwg. No.
1"=50'	BES	CJS		05-4204

CHARLES F. STEWART Land Surveyor — N.J. Lic. No. 11650
CHARLES J. STEWART Professional Engineer & Land Surveyor — N.J. Lic. No. 32884
GARY S. GIBSONE Land Surveyor — N.J. Lic. No. 37552

Date 04/20/07 — Sheet 1 of 7



REFERENCE:
BOUNDARY TAKEN FROM DRAWING TITLED: "SITE PLAN FOR TRENTON FLEET SERVICES IN CITY OF TRENTON, MERCER COUNTY, N.J." PREPARED BY WALTER A. SCAMMI P.E. & L.S., DATED DEC. 4, 1990
TOPO TAKEN FROM FIELD SURVEY BY C.C. STEWART ASSOC., INC

GRAPHIC SCALE
(30 FEET)
1 inch = 30 ft.

General Notes:

Except as specifically stated or shown on this plat, this survey does not purport to reflect any of the following which may be applicable to the subject premises: easements, other than possible easements which were visible at the time of making of this survey, building setback lines, restrictive covenants, subdivision restrictions, zoning or other land-use regulations, and any other facts which an accurate and current title search may disclose.

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Survey Subject To:

1) Rights or Claims of Parties in possession of land not shown by public records.
2) Easements or claims of easements not shown by public record.

TOXIC WASTE NOTE:

The undersigned professional is not qualified to determine the existence or non-existence of Toxic Wastes. Therefore it should not be assumed or construed that any easement is being made to the fact that no evidence of Toxic Waste is portrayed hereon. It is in the best interest of the client to pursue this matter as a reasonable concern apart from this survey.

NO	DATE	DESCRIPTION	BY
7	03/22/07	NO REVISIONS TO THIS SHEET	
6	03/02/07	NO REVISIONS TO THIS SHEET	
5	01/16/07	NO REVISIONS TO THIS SHEET	
4	11/20/06	NO REVISIONS TO THIS SHEET	
3	10/30/06	NO REVISIONS TO THIS SHEET	
2	09/25/06	REV. PER CITY OFFICIALS-9/14/06	
1	08/04/06	NO REVISIONS TO THIS SHEET	

C.C. Stewart Associates, Inc.
Engineers Surveyors Planners
Fels Professional Building
320 Sunnyside Road
Lower Falls, N.J. 07201
Phone (973) 296-0141 Fax (973) 226-3081
Certificate of Authorization No.24GA27821300

CHARLES P. STEWART Land Surveyor — N.J. Lic. No. 13904
CHARLES J. STEWART Professional Engineer & Land Surveyor — N.J. Lic. No. 35683
GARY S. OSBORNE Land Surveyor — N.J. Lic. No. 37953

Scale: 1"=30' | Dwg. By: RES | Chk. By: CJS | Field Book: | Dwg. No.:

Date: 03/05/07 | Sheet 2 of 7

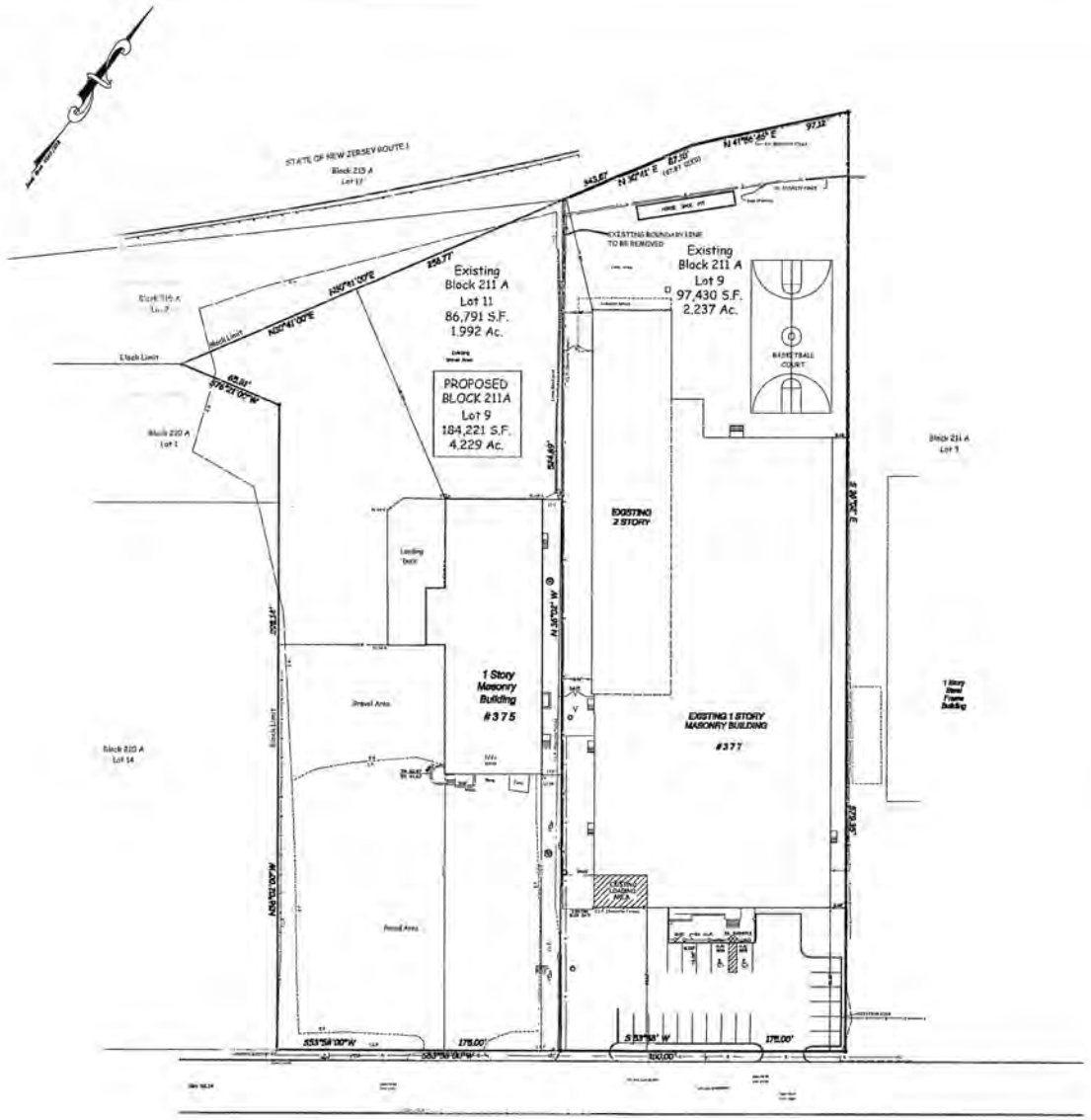
FOR CONSTRUCTION - 04/20/07

EXISTING CONDITIONS MAP

Block 211 A ~ Lot 11

No.375 Enterprise Avenue

City of Trenton Mercer County New Jersey



ZONE REQUIREMENTS AS PER ENTERPRISE AVENUE AREA REDEVELOPMENT PLAN, ADOPTED BY CITY COUNCIL JULY 2002, AMENDED JANUARY 2006. THESE REQUIREMENTS ARE BASED ON THE SECTION FOR THE WEST SIDE OF ENTERPRISE AVENUE

	REQUIRED	EX. LOT 11	EX. LOT 9	PROP. LOT 9
MIN. LOT AREA	174,020 S.F.	86,791 S.F. ★★	97,430 S.F.★★	184,221 S.F. ★
MAX. LOT AREA	N/A	N/A	N/A	N/A
FRONT YARD SETBACK	5'	170.00 FT.	88.63 FT.	88.63 FT.
REAR YARD SETBACK	25'	140.09 FT.	71.91 FT.	71.91 FT.
SIDE YARD SETBACK	15'	12 FT. ★★	9.48 FT. ★★	9.48 FT.★
MIN. FLOOR AREA RATIO	.25	.12	.33	.31
MAX. BUILDING HEIGHT, STORIES/FEET	5/90'	1 STORY	1-2 STORIES	3 STORIES/35 FT.
PARKING AND ACCESS ROAD SETBACKS (FEET)	15'	2.0' ★★	2.0'	2.0' ★

★ INDICATES VARIANCE REQUESTED
★★ INDICATES NON-CONFORMING PRE-EXISTING CONDITION
1. SETBACKS MAY BE REDUCED TO 0' IF UTILIZING COMMON ACCESS DRIVE AND/OR PARKING FOR ADJACENT LOTS

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TOPO TAKEN FROM FIELD SURVEY BY C.C. STEWART ASSOC., INC

GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

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THIS PLAN HAS BEEN APPROVED AT A MEETING BY THE PLANNING BOARD OF THE CITY OF TRENTON ON_____

CHAIRMAN	DATE
SECRETARY	DATE
CITY ENGINEER	DATE

NO.	DATE	DESCRIPTION	BY
7	03/22/07	NO REV. TO THIS SHEET	
6	03/02/07	NO REV. TO THIS SHEET	
5	09/14/07	NO REV. TO THIS SHEET	
4	11/20/06	NO REV. TO THIS SHEET	
3	10/30/06	NO REV. TO THIS SHEET	
2	09/28/06	NO REV. TO THIS SHEET	
1	09/06/06	ADDED THIS SHEET TO SET	

FOR CONSTRUCTION - 04/20/07

MINOR SUBDIVISION

Block 211 A ~ Lot 11

No.375 Enterprise Avenue

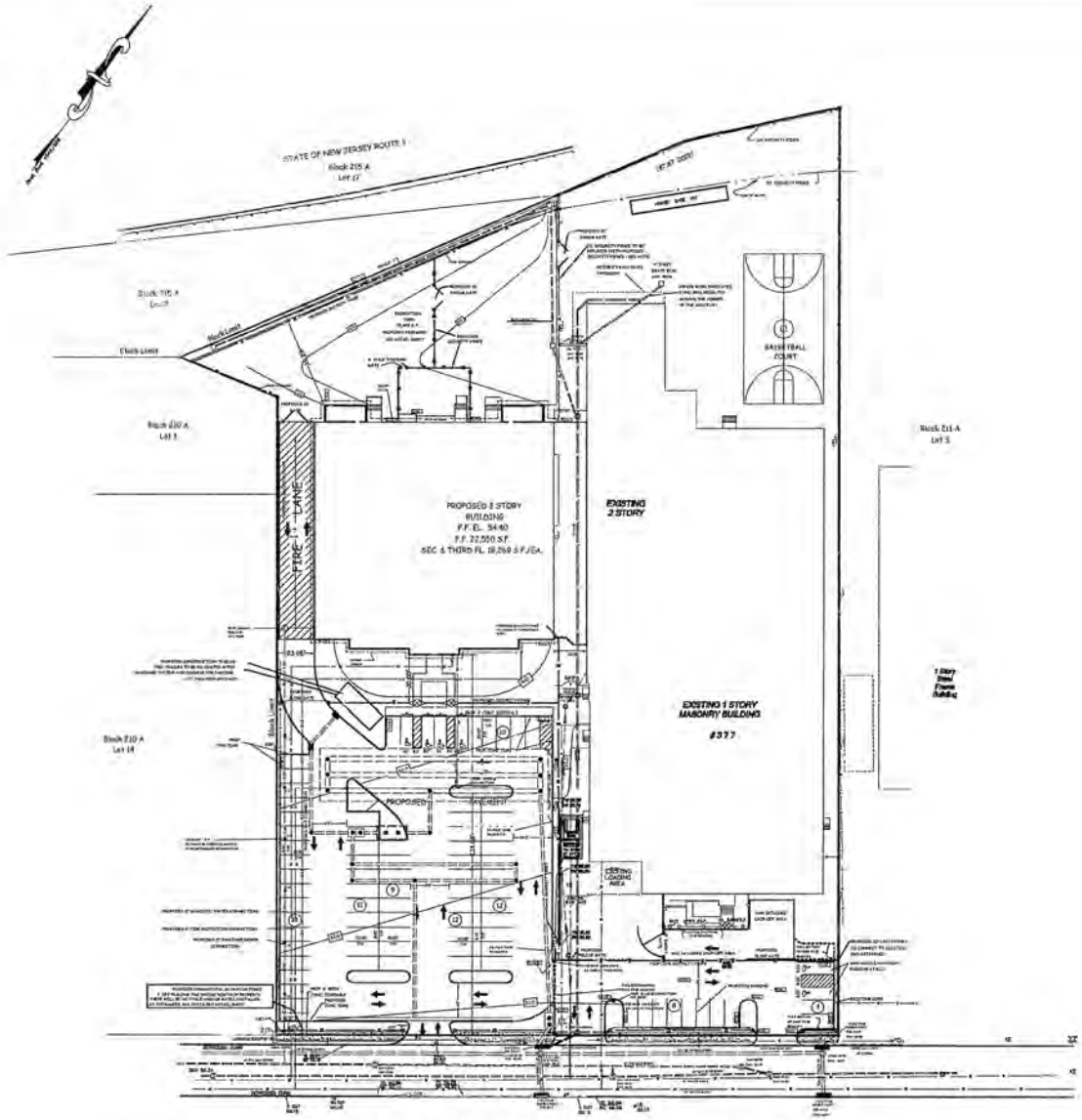
City of Trenton Mercer County New Jersey

C.C. Stewart Associates P.C.
Engineers Surveyors Planners
Tella Professional Building
205 Pennington Road
Ewing Twp., N.J. 08628
Phone (609) 538-0141 Fax (609) 538-9381
Certificate of Authorization No.24GA27957300

Scale: 1"=30' | Dwg. By: SEG | Chk. By: CJS | Field Book: | Dwg. No.:

CHARLES P. STEWART Land Surveyor — N.J. Lic. No. 11859
CHARLES J. STEWART Professional Engineer & Land Surveyor — N.J. Lic. No. 35884
GARY S. OSBORNE Land Surveyor — N.J. Lic. No. 21455

Date: 3/22/07 | Sheet 3 of 7



REFERENCE:
BOUNDARY TAKEN FROM DRAWING TITLED: "SITE PLAN FOR TRENTON FLEET SERVICES IN CITY OF TRENTON, MERCER COUNTY, N.J.", PREPARED BY WALTER A. SEAMAN, P.E. A.L.S., DATED DEC. 4, 1969
TOPO TAKEN FROM FIELD SURVEY BY C.E. STEWART ASSOC., INC.

GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

General Notes:

Except as specifically stated or shown on this plot, this survey does not purport to reflect any of the following which may be applicable to the subject premises: easements, other than possible easements which were visible at the time of making of this survey, building setback lines, restrictive covenants, subdivision restrictions, zoning or other land-use regulations, and any other facts which an accurate and current title search may disclose.

No attempt has been made as part of this boundary survey to obtain or show data concerning the existence, size, depth, condition, capacity or location of any utility or municipal/public service facility. For information regarding these utilities or facilities please contact the appropriate agencies.

Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts which an accurate and current title search may disclose.

DRAWING DISCLAIMER

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Survey Subject To:

1) Rights or Claims of Parties in possession of land not shown by public record.
2) Easements or claims of easements not shown by public record.

TOXIC WASTE NOTE:

The undersigned professional is not qualified to determine the existence or non-existence of Toxic Wastes. Therefore it should not be assumed or concluded that any easement is being made to the fact that no evidence of Toxic Waste is portrayed hereon. It is in the best interest of the client to pursue the matter as a separate concern apart from this survey.

NOTE:

1. *ALL PERIMETER SECURITY FENCES TO BE THE CURVED TOP , SECURITY FENCES BETWEEN RECREATION AREAS AND BUILDINGS TO BE STRAIGHT TOP*
2. *THERE ARE TWO (2) MONITORING WELLS ON THIS SITE. D.E.P.E. MUST BE NOTIFIED PRIOR TO THESE WELLS BEING CAPPED OR REMOVED*
3. *THE TWO PROPOSED FREE STANDING SIAMESE CONNECTIONS TO BE DETERMINED BY THE MUNICIPALITY AND FIRE INSPECTOR FOR MANUFACTURER, SIZE AND TYPE*
4. *ALL PROPOSED RCP DRAINAGE PIPES TO BE CLASS V UNLESS NOTED OTHERWISE.*

NO.	DATE	DESCRIPTION	BY
7	03/12/07	GENERAL REVISIONS	
6	03/07/07	ADDED SIAMESE CONNECTIONS/ REVISED STORM SYSTEM LAYOUT	
5	01/16/07	NO REV. TO THIS SHEET	
4	11/30/06	REV. PER CITY OFFICIALS	
3	10/30/06	REV. BUILDING	
2	09/25/06	REV. PER CITY OFFICIALS-9/14/06	
1	09/01/06	REV. PER CITY OFFICIALS	

FOR CONSTRUCTION - 04/20/07

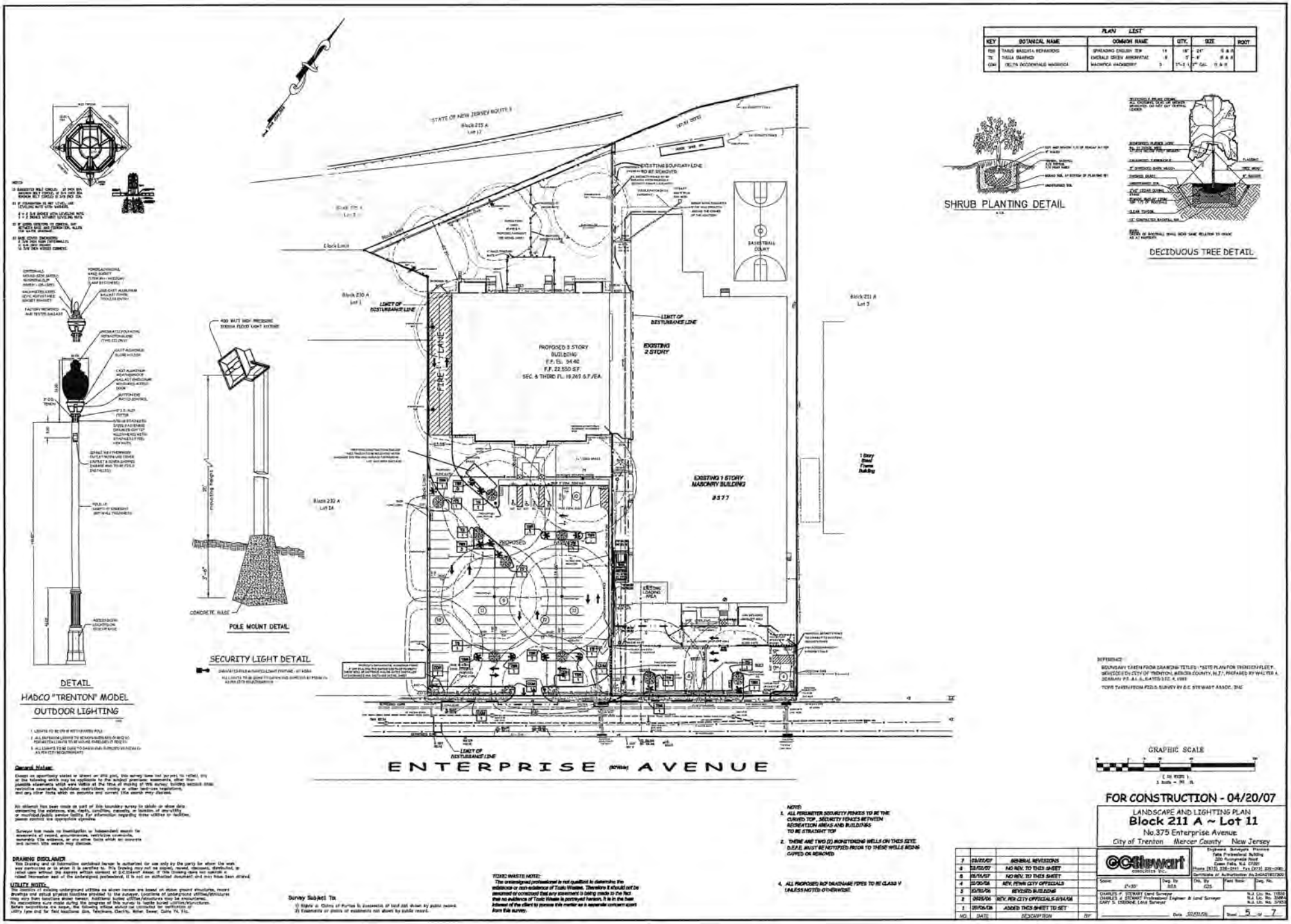
SITE PLAN
Block 211 A ~ Lot 11
No.375 Enterprise Avenue
City of Trenton Mercer County New Jersey

C.E. Stewart Associates, Inc.
Engineers Surveyors Planners
14th Professional Building
220 Rosedawn Road
Ewing Twp., N.J. 07628
Phone (609) 538-0141 Fax (609) 538-1061
Certificate of Authorization No.24GA27937300

Scale: 1"=30' | Dwg. By: MES | Chk. By: CJS | Field Book: | Dwg. No.: 05-4204

CHARLES F. STEWART Land Surveyor N.J. Lic. No. 11550
CHARLES J. STEWART Professional Engineer & Land Surveyor N.J. Lic. No. 20984
GARY S. OSBORNE Land Surveyor N.J. Lic. No. 37450

Date: 01/03/06 Sheet 4 of 7



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Survey Subject To

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2) Easements or claims of easements not shown by public record.

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NOTE:

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TOPO TAKEN FROM FIELD SURVEY BY C.C. STEWART ASSOC., INC.

NO.	DATE	DESCRIPTION	BY
7	03/21/07	GENERAL REVISIONS	
6	02/02/07	NO REV. TO THIS SHEET	
5	05/15/07	NO REV. TO THIS SHEET	
4	03/30/06	REV. PENN CITY OFFICIALS	
3	03/20/06	REVISED BUILDING	
2	09/05/06	REV. PER CITY OFFICIALS-8/24/06	
1	08/04/06	ADDED THIS SHEET TO SET	

C.C.Stewart Associates P.C.
Engineers Surveyors Planners
Fata Professional Building
220 Runnymede Road
Penn Valley, N.J. 07201
Phone (973) 338-2441 Fax (973) 338-2081
Certificate of Authorization No.24GA27872300

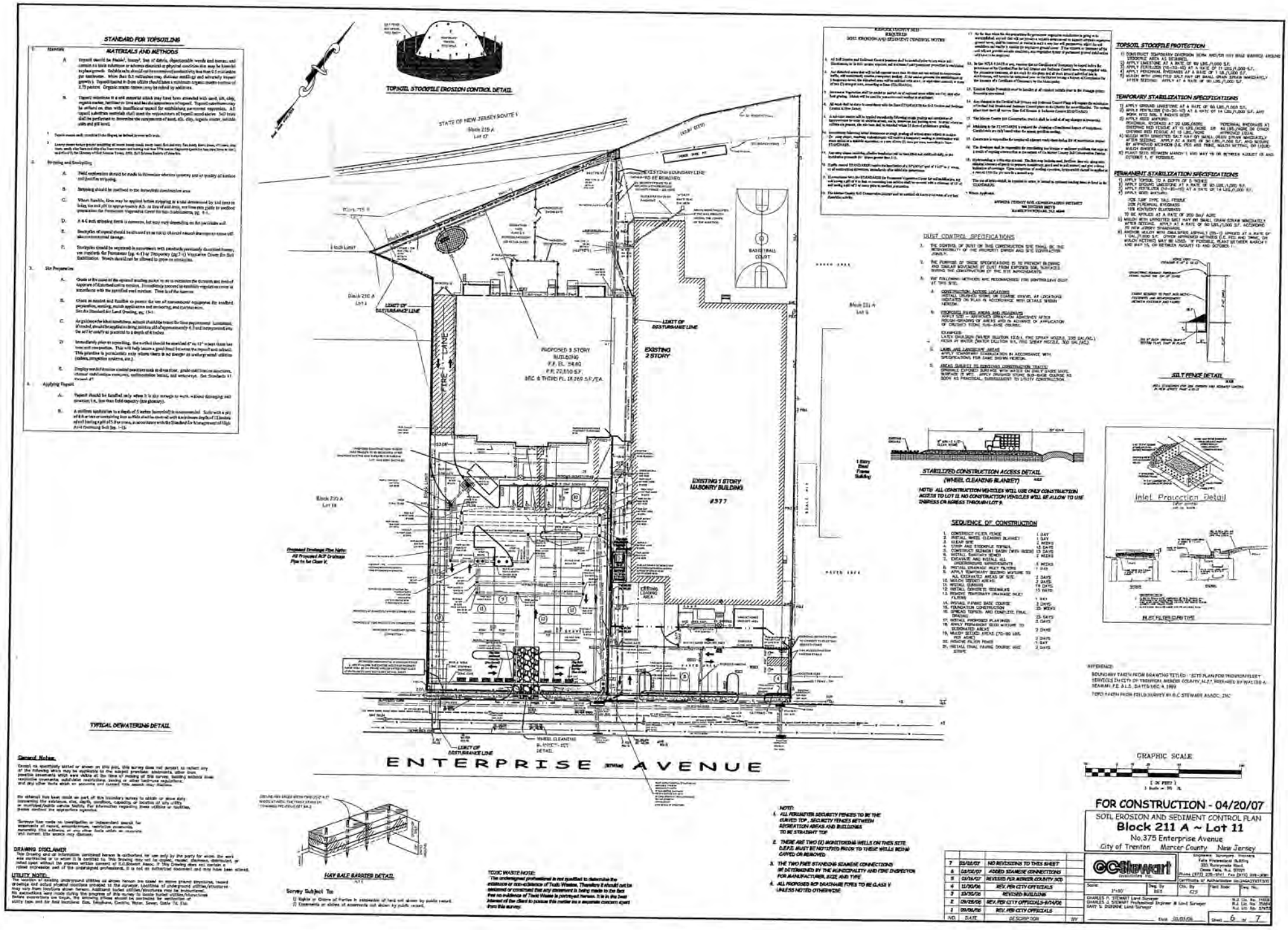
Scale: 1"=30' | Dwg. By: SES | Chk. By: CJS | Field Book: | Dwg. No.:

CHARLES F. STEWART Land Surveyor — N.J. Lic. No. 11558
CHARLES J. STEWART Professional Engineer & Land Surveyor — N.J. Lic. No. 33464
GARY S. DISSINGER Land Surveyor — N.J. Lic. No. 37858

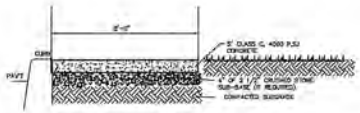
Date: 03/20/06 | Sheet 5 of 7

FOR CONSTRUCTION - 04/20/07

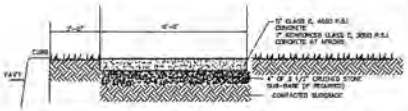
LANDSCAPE AND LIGHTING PLAN
Block 211 A ~ Lot 11
No.375 Enterprise Avenue
City of Trenton Mercer County New Jersey



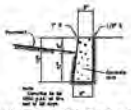
DRIVEWAY, PARKING LOT & RECREATION AREA PAVEMENT DETAIL



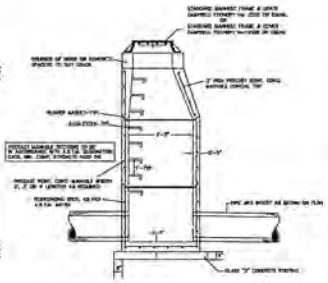
INTERNAL SIDEWALK DETAIL
NOT TO SCALE



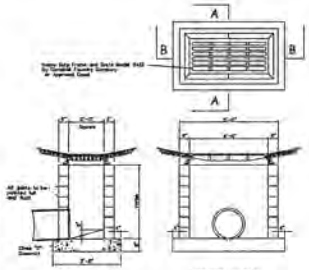
ENTERPRISE AVENUE SIDEWALK DETAIL
NOT TO SCALE



CONCRETE CURB DETAIL

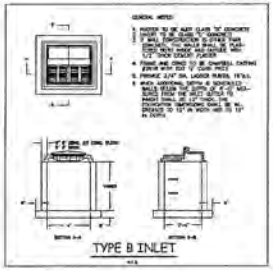


STORM SEWER MANHOLE DETAIL

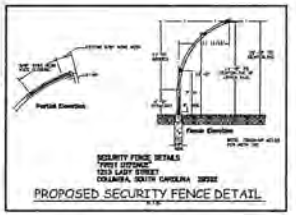


SECTION A-A SECTION B-B

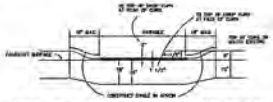
TYPE A DRAINAGE INLET DETAILS
Not To Scale



TYPE B INLET

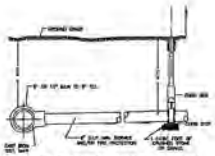


PROPOSED SECURITY FENCE DETAIL

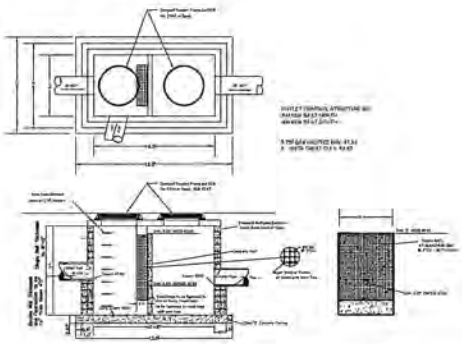


DEPRESSED CURB AT DRIVEWAYS DETAIL

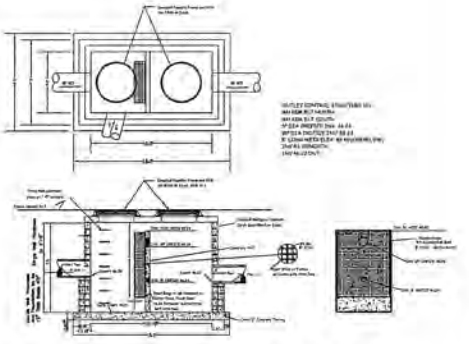
STOP SIGN DETAIL



BUILDING SERVICE CONNECTION

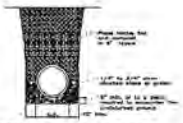


PROPOSED OUTLET CONTROL STRUCTURE (NTS) #201

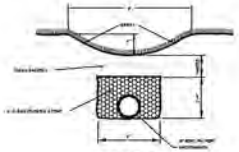


PROPOSED OUTLET CONTROL STRUCTURE (NTS) #101

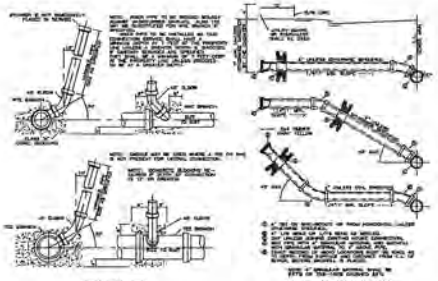
TYPICAL ROAD REPAIR SECTION
FOR DETAILS OF THE INDIVIDUAL COMPONENTS SEE THE DETAIL SHEET



TYPICAL TRENCH DETAIL

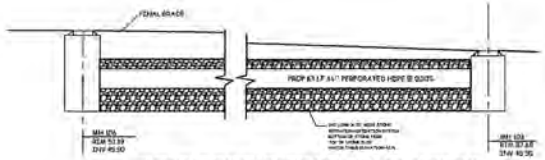


SWALE WITH UNDERDRAIN

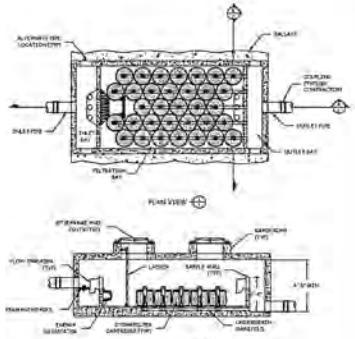


SERVICE RISER STANDARD CONNECTIONS

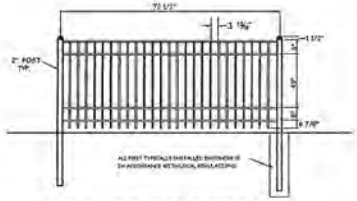
SERVICE RISER & HOUSE CONNECTIONS



SECTION THROUGH PERFORATED RETENTION SYSTEM

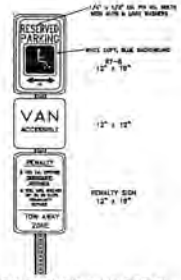


8' x 18' PRECAST STORMFILTER STANDARD DETAIL



TYPICAL ORNAMENTAL FENCT DETAIL

HANDICAP PARKING SIGN DETAIL



VAN HANDICAP PARKING SIGN DETAIL

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NO.	DATE	DESCRIPTION	BY
7	05/23/07	REVISED INLET TYPE TO A TYPE INLET	
6	03/20/07	REVISED STORM SYSTEM DETAILS	
5	01/16/07	NO REV. TO THIS SHEET	
4	11/09/06	ADDED FENCE DETAIL-NEW RETENTION SYS. DET'L	
3	10/09/06	NO REVISION TO THIS SHEET	
2	09/05/06	REV. PER CITY OFFICIALS-9/14/06	
1	08/01/06	REV. PER CITY OFFICIALS	

FOR CONSTRUCTION - 04/20/07

CONSTRUCTION DETAILS
Block 211 A ~ Lot 11
No.375 Enterprise Avenue
City of Trenton Mercer County New Jersey

CS Stewart and Associates Inc.
Engineers Surveyors Planners
Yale Professional Building
330 Nottingham Road
Lawn Falls, N.J. 07882
Phone (973) 228-0141 Fax (973) 228-0181
Certificate of Authorization No.24GA27877200

Scale	Dwg. By	Chk. By	Field Book	Dwg. No.
As Noted	BEA	CJS		

CHARLES J. STEWART Land Surveyor — N.J. Lic. No. 11592
CHARLES J. STEWART Professional Engineer & Land Surveyor — N.J. Lic. No. 20804
GARY S. CASSANO Land Surveyor — N.J. Lic. No. 37470

Date 07/01/06 Sheet 7 of 7

CODE REVIEW

PROJECT NAME: ALBERT M "BO" EDUCATION & TREATMENT CENTER

LOCATION: 315 ENTERPRISE AVENUE, TRENTON, NJ

APPLICABLE CODE: INTERNATION BUILDING CODE, NEW JERSEY EDITION 2000
NATIONAL STANDARD PLUMBING CODE 2003
N.J.A.C. 5:23-7 BARRIER FREE SUBCODE AND ANSI A117.1-1998
NEW JERSEY UNIFORM CONSTRUCTION CODE
NATIONAL ELECTRICAL CODE 2005
INTERNATIONAL MECHANICAL CODE 2005
INTERNATIONAL FUEL GAS CODE 2003
NFPA-13

USE: MIXED USE: I-3 (INSTITUTIONAL) CONDITION 2, A2 (DINING ROOM), A3 (GYMNASIUM, LECTURE HALL), B (OFFICE AREA)

NUMBER OF STORIES: 3
TYPE OF CONSTRUCTION: II-A
FIRST FLOOR AREA 23,640 SQ FEET
SECOND FLOOR AREA 17,924 SQ FEET
THIRD FLOOR AREA 16,406 SQ FEET

TOTAL BUILT UP AREA: 57,971 SQ. FT.

ROOF RECREATION AREA 14,219 SQ FEET

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

CLASSIFICATION - MIXED USE SEPARATED USES (SECTION 302.3.1) TO INCLUDE RESIDENT FACILITY, A-2 DINING ROOM, A-3 GYMNASIUM AND LECTURE HALL, B OFFICE AREA.
EACH USE SHALL BE SEPARATED WITH FIRE RATED ASSEMBLIES OF 2 HOUR RATING.

THE SUM OF THE RATIOS OF FLOOR AREA TO ALLOWABLE AREAS FOR EACH USE < 1

INSTITUTIONAL		OFFICE		ASSEMBLY A-2		ASSEMBLY A-3	
12,005 S.F. / 46,000 SF	+	2,874 S.F. / 112,500 S.F.	+	37,071 S.F. / 46,500 S.F.	+	8,791 S.F. / 46,500 S.F.	< 1
.26	+	.054	+	.065	+	.09	< 1
						.409	< 1

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

TABULAR HEIGHT (TABLE 503) : 3 STORIES ABOVE GRADE - 55'-0"
TABULAR AREA : 15,000 S.F.
AREA MODIFICATION (506.3) INCREASE IN AREA BY 300% FOR MULTI-STORY FOR AUTOMATIC SPRINKLER SYSTEM REQUIRED BY 903.2.5 (15,000 S.F. X 300% = 30,000) THEREFORE, 15,000 S.F. + 30,000 S.F. = 45,000 S.F. > 21,429 S.F.

CHAPTER 6 - TYPES OF CONSTRUCTION

(TABLE 601) - FIRE RESISTANT FOR BUILDING ELEMENTS - CONSTRUCTION TYPE II-A
(FIRE SEPARATION DISTANCE LESS THAN 30 FT GREATER THAN = 10 FT)

STRUCTURAL FRAME:	1 HR
BEARING WALLS:	
EXTERIOR:	1 HR
INTERIOR:	1 HR
FLOOR CONSTRUCTION:	1 HR
ROOF CONSTRUCTION:	1 HR

(TABLE 602) - FIRE RESISTANCE RATING FOR EXTERIOR SEPARATION DISTANCE.

FIRE SEPARATION DISTANCE ABOVE BUILDING CONNECTION ROOF LESS THAN 30 FT GREATER THAN = 10 FT, RATING REQUIRED = 1 HOUR

EXISTING BUILDING WALL IS 1'-0" MASONRY, NEW BUILDING WALL IS 8" MASONRY, BOTH MASONRY WALLS EXCEED THE RATING REQUIREMENTS FOR A 1 HOUR RATED WALL (UL 488)

CHAPTER 7 - FIRE RESISTANCE - RATED CONSTRUCTION

MAXIMUM ALLOWABLE AREA OF EXTERIOR WALL OPENINGS (TABLE 704.8) IN EXTERIOR WALLS IS GREATER THAN 10 AND LESS THAN 15 FEET FROM CENTERLINE OF THE BUILDING CONNECTION ROOF, AREA OF EXTERIOR WALL ALLOWED IS 45% OF THE TOTAL ELEVATION AREA (IBC TABLE 704.8)

CLASSIFICATION OF OPENING: PROTECTED, FULLY SPRINKLERED. (704.8.1)

BOTH EXISTING AND NEW FIRE EXPOSED WALLS ARE LESS THAN THE ALLOWABLE AREA AND QUALIFY AS UNPROTECTED OPENINGS IN THE FIRE EXPOSED AREA, SEE ELEVATION AND SECTION DIAGRAMS BELOW FOR TABULATION AND CONDITIONS.

FIRE SEPARATION ASSEMBLIES (708.3.5)	REQUIRED	PROVIDED
VERTICAL SHAFTS (707.4)	1 HR.	1 HR.
CORRIDOR WALLS (708.1, 1004.3.2.1)	1 HR.	1 HR.
FIRE DAMPERS (TABLE 715.3.1)	1.5 HR.	1.5 HR.
SMOKE COMPARTMENT WALLS.	1 HR.	1 HR.

CHAPTER 8 - INTERIOR FINISH REQUIREMENTS:

ALL AREAS SPRINKLERED PER NFPA 13

IBC TABLE 803.4 USE GROUP I3		IBC TABLE 803.4 USE GROUP A2 & A3		IBC TABLE 803.4 USE GROUP B	
EXIT STAIRWAYS	CLASS - B	EXIT STAIRWAYS	CLASS - B	EXIT STAIRWAYS	CLASS - B
CORRIDORS	CLASS - B	CORRIDORS	CLASS - B	CORRIDORS	CLASS - C
ROOMS	CLASS - B	ROOMS	CLASS - C	ROOMS	CLASS - C

CLASS - A = 0-25 FLAME SPREAD
CLASS - B = 26-75 FLAME SPREAD
CLASS - C = 76-200 FLAME SPREAD

CLASS - A = 0-25 FLAME SPREAD
CLASS - B = 26-75 FLAME SPREAD
CLASS - C = 76-200 FLAME SPREAD

CLASS - A = 0-25 FLAME SPREAD
CLASS - B = 26-75 FLAME SPREAD
CLASS - C = 76-200 FLAME SPREAD

CHAPTER 9 - FIRE PROTECTION SYSTEMS

903.2.5 AUTOMATIC SPRINKLER SYSTEM REQUIRED FOR USE GROUP I AUTOMATIC FIRE SPRINKLER SYSTEM PROVIDED, SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA - 13.

903.2.8 AN AUTOMATIC SPRINKLER SYSTEM IS REQUIRED FOR USE GROUP I (INSTITUTIONAL) THIS BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SUPRESSION SYSTEM (IBC 903.3.1) IN ACCORDANCE WITH NFPA-13, SPRINKLER FLOW SWITCHES SHALL BE TIED INTO THE ALARM SYSTEM TO SOUND WARNING WHEN THE SYSTEM IS ACTIVATED.

STAND PIPE SYSTEMS ARE NOT REQUIRED IN A SPRINKLERED BUILDING OF THIS TYPE AND OCCUPANCY. (IBC 905.3)

NEW FIRE PROTECTIVE SIGNALING SYSTEM SHALL BE INSTALLED AS REQUIRED BY IBC 907.2.6.2 FOR AN I-3 OCCUPANCY.

SYSTEM SHALL BE ACTIVATED BY A MANUEL ALARM, FIRE DEDTOR, OR AQUATION OF AUTOMATIC SPRINKLER SYSTEM. STAFF SHALL BE NOTIFIED OF ANY SYSTEM INITIATION. A PERSONAL SYSTEM SHALL NOT BE USED.

PULL STATIONS ARE NOT REQUIRED IF SUPERVISED STATIONS CAN SEND SIGNAL. MANUEL FIRE ALARMS CAN BE LOCATED IN AREAS OCCUPIED BY RESIDENTS WHERE SUPERVISED STAFF HAS KEYS FOR ALARM SYSTEM ACTIVATION.

PULL STATIONS, WHERE PROVIDED, ARE TO BE MOUNTED AT MINIMUM 42", MAXIMUM 48" ABOVE THE FINISHED FLOOR.

AUTOMATIC SMOKE DETECTION SYSTEM IS REQUIRED THROUGHOUT THE BUILDING (IBC 907.2.9.2.3). DEDTECTORS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:

ALL RESIDENT ROOMS INCLUDING SLEEPING AREAS, DAY ROOMS, COUNSELING AND GROUP ROOMS ALL COMMON USE AREAS.

IN ALL RETURN AIR DUCTWORK AT HVAC UNITS

ELEVATOR AND STAIR SHAFTWAYS.

VISIBLE ALARMS (STROBES) SHALL BE PROVIDED IN ALL COMMON & PUBLIC AREAS, & ADA DESIGNATED SLEEPING ROOMS.

AUDIBLE ALARMS AREA REQUIRED TO PROVIDE A MIN. SOUND LEVEL OF 70 dBA

AUDIBLE ALARMS SHALL BE INSTALLED IN ALL ADA DESIGNATED SLEEPING ROOMS.

THIS BUILDING IS DESIGNED FOR FOR A TOTAL RESIDENT OCCUPANCY LOAD OF 400 OR LESS, NOT INCLUSIVE OF SUPPORT PERSONNEL.

CHAPTER 10 - MEANS OF EGRESS

OCCUPANT LOAD (TABLE 1003.3.2.2) (REFER TO EGRESS PLAN DWG S-102)

FIRST FLOOR: 368 OCCUPANTS
SECOND FLOOR: 208 OCCUPANTS
THIRD FLOOR: 212 OCCUPANTS

THIS NUMBER INCLUDES 140 OCCUPANTS FROM EXISTING BUILDING.

PROJECT IS DESIGNED FOR A TOTAL RESIDENT BED CAPACITY OF 400

TYPE AND LOCATION OF EGRESS: INSTITUTIONAL (I-3) BUILDING WITH 8 EXITS

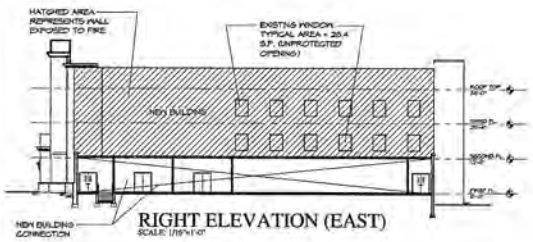
MAXIMUM LENGTH OF EGRESS TRAVEL (TABLE 1004.2.4) :		200'-0"
ACTUAL MAXIMUM LENGTH OF EGRESS TRAVEL:		140'-0"
NUMBER OF EXITS(1009.2.1):	REQUIRED	PROVIDED
501-1000 PEOPLE	3	8

EXIT ACCESS PASSAGEWAYS AND CORRIDORS

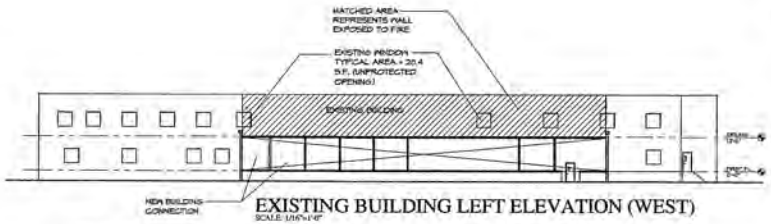
MINIMUM WIDTH (1004.3.3.2.) :	44"	94"
DEAD ENDS (1004.3.3.2.1) :	20 FT	NONE PROVIDED
CORRIDOR FIRE RESISTANCE RATING (TABLE 1004.3.3.1) :	1 HR	1 HR
MEANS OF EGRESS DOORWAYS (1003.3.1)	3/4 HR	3/4 HR
PANIC HARDWARE: (1003.3.1.10)		SEE DOOR SCHEDULE

STAIRWAYS(1009.3.3)		
WIDTH (1009.3.3.1):	44"	56"
LANDINGS (1009.3.3.2)	60"	60"
TREADS AND RISERS (1009.3.3.5)		
RISERS	7" MAX.	7"
TREADS	11" MIN.	11"
VERTICAL EXIT STAIRWAY ENCLOSURES (1009.3.2)	2 HR.	2 HR.
GUARDS (1009.3.12)	YES	YES
HEIGHT (1009.3.12.1)	42"	42"
OPENING LIMITATIONS (1009.3.12.2)	4"	4"

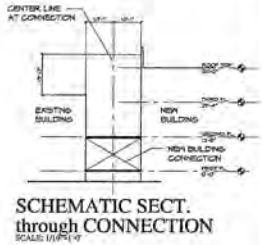
HANDRAILS (1009.3.3.11)		
HEIGHT(1009.3.3.11.1)	34"-38"	36"
HANDRAIL GRASPABILITY (1009.3.3.11.5):	1.25"-2"	1.5"
HANDRAIL EXTENSIONS (1009.3.3.11.5):	12" MIN.	12"
PROJECTION (1009.3.3.11.3)	4.5"	3"



RIGHT ELEVATION (EAST)
SCALE: 1/16"=1'-0"



EXISTING BUILDING LEFT ELEVATION (WEST)
SCALE: 1/16"=1'-0"



SCHEMATIC SECT. through CONNECTION
SCALE: 1/16"=1'-0"

LOW ROOF BUILDING CONNECTION

THE EXISTING AND NEW BUILDINGS HAVE A FIRE SEPARATION DISTANCE OF 20'-2", EXTERIOR WALLS SHALL BE RATED FOR EXPOSURE FROM THE INSIDE (IBC 704.5)

MAXIMUM PERCENTAGE OF EXTERIOR WALL OPENINGS FOR THIS FIRE SEPARATION DISTANCE IS 15% FOR UNPROTECTED OPENINGS WITH A CENTERLINE SEPARATION DISTANCE OF 10'-1 (IBC TABLE 704.8) SEE SCHAMATIC SECTION THIS DRAWING.

INCREASE TO 45% DUE TO SPRINKLER SYSTEM IN BOTH BUILDINGS (IBC 704.8.1)

UNPROTECTED EXTERIOR WALL OPENINGS ON ELEVATIONS

NEW BUILDING ELEVATION AREA
AREA OF UNPROTECTED DOORS AND WINDOWS = 113.6 SF
/ AREA OF FIRE EXPOSED ELEVATION = 2041SF
113.6 SF/ 2041 SF = 5.6% LESS THAN 45% ALLOWABLE.

EXISTING BUILDING ELEVATION AREA
AREA OF UNPROTECTED WINDOWS = 28.44 SF
/ AREA OF EXPOSED ELEVATION = 1136 SF
28.44 SF / 1136 SF = 2.5% LESS THAN 45% ALLOWABLE

CONCLUSION BOTH ELEVATIONS COMPLY W/ RATED CONSTRUCTION CODE REQUIREMENTS.

ZAMPOLIN & ASSOCIATES ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A

NJ	21G00	MD	
AL	10410	MT	2391
CA	C 27424	NC	A-5619
CO	309402	NM	2581
CT	2701	NY	022753
DE	S0400216600	OH	13501
FL	AR 42239	PA	RA-027910-R
ID	AR-984585	SD	2650
IL	001-023290	TX	19634
IN	10900277	VA	13321
KY	9684	VT	2403
MA	9135	WI	5-4155
MD	12033		

CONSULTANT

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DATE	REV.	BY	NO.	REVISIONS / SUBMISSION

FOR CONSTRUCTION 4/20/07

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PROJECT

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY:	
REVIEWED BY:	
PROJECT NUMBER:	
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE:
RESUBMISSION	DATE:

CODE REVIEW

DRAWING NO.

G.101

(b)(7)(E)

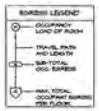
THIRD FLOOR EGRESS PLAN
SCALE: 1/16" = 1'-0"

(b)(7)(E)

ROOF EGRESS PLAN
SCALE: 1/16" = 1'-0"

(b)(7)(E)

FIRST FLOOR EGRESS PLAN
SCALE: 1/16" = 1'-0"



(b)(7)(E)

SECOND FLOOR EGRESS PLAN
SCALE: 1/16" = 1'-0"

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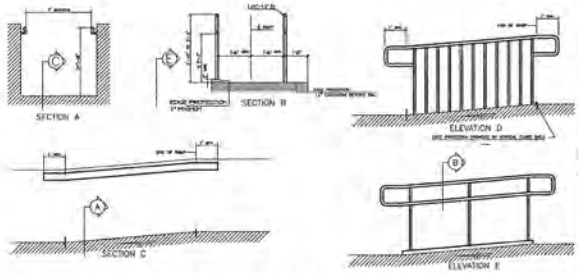
EGRESS PLAN

G.102

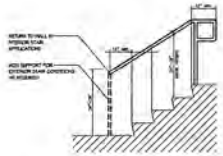
(b)(7)(E)

(b)(7)(E)

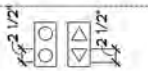


HANDRAILS AT STAIRS
SCALE: 1/2"=1'-0"

REFER TO DRAWING A.803 EXTERIOR STAIRS AND RAMPS FOR SPECIFIC CONDITIONS & DETAILS



TYPICAL HANDRAILS AT STAIRS
SCALE: 1/2"=1'-0"



ELEVATOR VISIBLE SIGNALS
SCALE: 1 1/2"=1'-0"

GENERAL NOTE:

ZAMPOLIN & ASSOCIATES
ARCHITECTS

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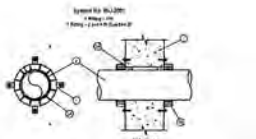
ADA BUILDING CLEARANCES

DRAWING NO: G.103

10 NOT USED

6 NOT USED

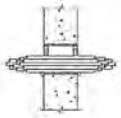
3 UL NUMBER - W-J 2091



11 NOT USED

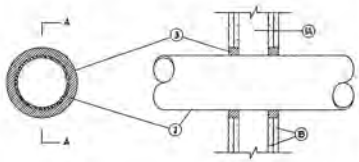
7 NOT USED

4 UL NUMBER - W-J 3092



1 UL NUMBER - WL 1054

System No. W-L-1054
F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or W900 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the depth of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of same stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 5 in. wider and 4 to 5 in. higher than the size of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 2 1/2 in. clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* — 1/2 in. thick, 4 ft wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or W900 Series Design in the UL Fire Resistance Directory. Max diam of opening is 31-1/4 in. for steel stud walls. Max diam of opening is 14-1/2 in. for wood stud walls.
   The 1 Hailing of the finishing system is equal to the two ratings of the wall assembly.

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the finishing system. The annular space shall be min 0 in. (in contact) to max 2-1/4 in. Pipe may be installed with continuous point contact. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipe, conduit or tubing may be used:
   A. Steel Pipe — Nom 30 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in diam (or smaller) steel electrical metallic tubing or 6 in. diam steel conduit.
   D. Copper Tubing — Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous annuli locations between pipe and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe and interface on both surfaces of wall.
   *(1) CONSTRUCTION CHEMICALS, DIV OF
   (10) 3M — Fire Barrier Sealant
   *Bearing the W. Classification Mark

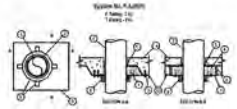
12 NOT USED

8 NOT USED

15 NOT USED

9 NOT USED

5 NOT USED



2 UL NUMBER F-A-2125

ZAMPOLIN & ASSOCIATES
ARCHITECTS

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FOR CONSTRUCTION
4/20/07

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PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

UL DETAILS

DRAWING NO.
G.104

(b)(7)(E)

GENERAL NOTES

1. CONTRACTORS SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE APPLICABLE EXISTING CONDITIONS AND DRAWINGS. REPORT ANY DISCREPANCIES AFFECTING THEIR WORK TO THE ARCHITECT PRIOR TO SUBMITTING A PROPOSAL. NO EXTRA WILL BE CONSIDERED IF IT IS DETERMINED THAT THE ADDITIONAL COST AND WORK COULD HAVE BEEN AVOIDED WITH A FIELD VISIT.

2. THE SCOPE OF THE WORK INCLUDES ALL LABOR, MATERIALS, TOOLS, ETC., REQUIRED TO COMPLETE THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, INCLUDING ALL NECESSARY TRADES.

3. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE PREMISES AND SHALL MAKE NO EXTRA PROPOSAL ON THE EXISTING CONDITIONS, NOTWITHSTANDING ANY INFORMATION SHOWN OR NOT SHOWN ON THE CONSTRUCTION DOCUMENTS.

4. ANYTHING NOT EXPRESSLY SET FORTH IN THE DRAWINGS AND SPECIFICATIONS, BUT WHICH IS REASONABLY IMPLIED SHALL BE PROVIDED EVEN THOUGH NOT SPECIFICALLY REPEATED.

5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS HAVING JURISDICTION AT THE HOME SITE LOCATION. ALL WORK SHALL CONFORM TO THE LAYOUTS, UTILITY REQUIREMENTS IN JURISDICTION AT THE SITE.

6. THE CONTRACTOR SHALL OBTAIN AND PAY FOR CONSTRUCTION LIABILITY INSURANCE COVERING THE ENTIRE WORK IN ACCORDANCE WITH APPLICABLE CURRENT LAWS. THE CONTRACTOR SHALL HAVE FULL CHARGE OF THE WORK UNTIL COMPLETION AND SHALL BEAR ALL RESPONSIBILITY FOR PROPERTY WHICH MAY BE DAMAGED OR STOLEN WHILE WORK IS IN PROGRESS, INCLUDING STORED MATERIALS.

7. THE CONTRACTOR SHALL OBTAIN AND PROVIDE FOR ALL PERMITS AND FEES AND SHALL ARRANGE FOR ALL REQUIRED INSPECTIONS.

8. THE CONTRACTOR SHALL ERECT, MAINTAIN AND SUPERVISE ALL SAFETY PRECAUTIONS TO PROTECT THE BUILDING AND ITS OCCUPANTS IN CONNECTION WITH THE WORK, INCLUDING PROVIDING DUST PROTECTION AND ERECTING BARRICADES AND MARKING SIGNS.

9. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO MAINTAIN FREE ACCESS FOR ALL TENANTS, SERVICE PERSONNEL, AND THE PUBLIC THROUGH THE AREAS INVOLVED.

10. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL ADJOINING EXISTING FINISHES IN PUBLIC AREAS AND SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY HIM.

11. INTERNATIONAL BUILDING CODE (NEW JERSEY EDITION 2009)
12. INTERNATIONAL MECHANICAL CODE (2009 EDITION)
13. NATIONAL ELECTRIC CODE (2009)
14. NATIONAL STANDARD PLUMBING CODE (2009)
15. INTERNATIONAL FUEL AND GAS CODE (2009)
16. ICC/ANSI A117.1-1998 HANDICAP CODE
17. STATE OF NEW JERSEY BUILDING CODE - NJAC LATEST EDITION

14. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS REQUIRING FABRICATION PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

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FOR CONSTRUCTION
4/20/07

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PROJECT:

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

OVERALL BUILDING PLAN

A.100

(b)(7)(E)

1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

UNLESS NOTED OTHERWISE:
FINISH FIRST FLOOR ELEVATION = 114.4' = TOP OF FIRST FLOOR SLAB

FINISH FIRST FLOOR ELEVATION = FINISH FIRST FLOOR DATUM = 0'-0" = 0"

ZAMPOLIN & ASSOCIATES
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FIRST FLOOR PLAN

DRAWING NO.
A.101

(b)(7)(E)

FIRST FLOOR TILE PLAN
SCALE: 1/8" = 1'-0"

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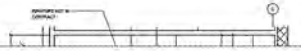
FIRST FLOOR TILE
PLAN

A.101A



(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

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4/20/07

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ALBERT M. "BO"
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EDUCATION &
TREATMENT CENTER

SECOND FLOOR
PLAN

A.102

(b)(7)(E)

OOR FINISH NOTES

SHOWN ARE SCHEMATIC. CENTER WITH-IN SPACE SIBLE

RNS SHOWN ARE BASED ON ARMSTRONG INDUSTRIES 12" X 12" VINYL COMP. TILES. COORDINATE ALL IONS W/ O.E.C.

H SCHEDULE FOR ALL ADDITIONAL FLOOR FINISH

OR SLAB SHALL BE INSPECTED 100%, CLEANED, AND AS REQUIRED TO RECEIVE FLOOR FINISH

NG VINYL COMP. TILE AND WHERE NO TILE PATTERN IS BE COORDINATED WITH OWNER FOR COLOR SCHEME

SIMILAR TILE LAYOUT

SECOND / THIRD FLOOR TILE PLAN
SCALE: 1/8" = 1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

NJ	21G00	MD	3-9481
AL	30581	MT	2769
GA	C 29924	NE	A-5218
CO	308002	NH	2561
CT	5185	NY	022740
DE	S5-0001690	OH	12001
FL	AR-12230	PA	RA-029810-E
ID	AR-15-4555	SD	6550
IL	001-012595	TX	11459
IN	10000277	VA	16521
KY	3401	VT	2401
MA	9115	WI	C-1733
MD	10559		

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DATE	REV. BY	REV. #	REVISIONS / ADDENDUM

FOR CONSTRUCTION
4/20/07

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PROJECT:
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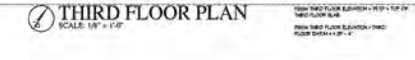
DRAWN BY:	
REVIEWED BY:	
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE:
RECORD SET	DATE:

SECOND FLOOR TILE PLAN

DRAWING NO.
A.102A

(b)(7)(E)



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ARCHITECTS

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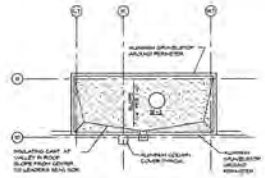
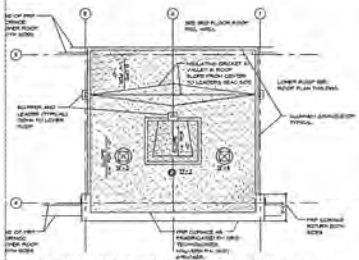
THIRD FLOOR PLAN

A.103

(b)(7)(E)



FIRE STAIR ROOF PLAN
SCALE: 1/8" = 1'-0"



STAIR TOWER ROOF PLAN
SCALE: 1/8" = 1'-0"

ADHERED EPDM ROOF NOTES:

PLAZA DECK ROOF NOTES:

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

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ROOF PLAN

A.104

(b)(7)(E)

FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

LIGHT FIXTURE SCHEDULE

SYMBOL	LOCATION	DESCRIPTION	MANUFACTURER	CATALOG #	LAMPS	REMARKS
	GENERAL & CLASSES, ROOMS	2'x2' RECESSED FLUORESCENT LIGHT FIXTURE VANDAL RESISTANT 1/8" THK IMPACT ACRYLIC LENSE (TINTED @ 70%) FLANGE TYPE MOUNTING FOR GRID CEILINGS. SHADED WHITE ENAMEL FINISH.	SHADES	2GPT2X2-277-54-2TT	(2) F32 T8	
	GENERAL / CLASSES, ROOMS	SAME AS ABOVE (SH)	LIGHTOLIER	2GPT2X2-277-54-2TT	(2) F32 T8	
	RESIDENT DARK BATHROOMS	2'x4' RECESSED FLUORESCENT LIGHT FIXTURE WET LOCATION, .040" PRIME HIGH GRADE STEEL HOUSING. TYPE 304 STAINLESS STEEL CHANNEL DOOR FRAME. HELDING DIAMOND ACRYLIC LENSE WHITE POWDER COAT FINISH.	LIGHTCORP LIGHTING	FE-F4-2X4-SHC-277-TT	(3) F32 T8	
	RESIDENT DARK BATHROOMS	SAME AS ABOVE (SL/SH)	LIGHTCORP LIGHTING	FE-F4-2X4-SHC-277-TT	(3) F32 T8	
	GENERAL / CONFERENCE ROOMS	2'x2' RECESSED FLUORESCENT LIGHT FIXTURE - ACRYLIC - FLANGE TYPE MOUNTING FOR GRID CEILINGS. SHADED WHITE ENAMEL FINISH.	SHADES	2GPT2X2-277-54-2TT	(2) F32 T8	
	GENERAL / CONF. ROOMS & CEILING RM	SAME AS ABOVE / SHADED DOT LIGHT	SHADES	2GPT1X2-277-54-2TT	(2) F32 T8	
	BATHROOMS & HALF-PARTITION ROOM	RED ENGLET / KOHLER / ACRYLIC LENS HARE	SHADES	MDD-77R-H-RT-FL-SC-277-DIM-MDD-FPDD-SW-D (277V)	7W	GET FROM TO 4" LENGTH
	BATHROOMS & HALF-PARTITION ROOM	RED ENGLET / KOHLER / ACRYLIC LENS HARE	SHADES	MDD-77R-H-RT-FL-SC-277-DIM-MDD-FPDD-SW-D (277V)	7W	GET FROM TO 4" LENGTH
	GENERAL / UTILITY ROOMS	1' x 4' FLUORESCENT VANDAL RESISTANT LIGHT FIXTURE W/ 1/8" IMPACT ACRYLIC LENSE (TO 70% @ 70°). FLANGE TYPE MOUNTING FOR GRID CEILINGS. SHADED WHITE ENAMEL FINISH.	SHADES	2GPT1X4-277-54-2TT	(2) F32 T8	
	GENERAL / UTILITY ROOMS	SAME AS ABOVE (SH)	SHADES	2GPT1X4-277-54-2TT	(2) F32 T8	
	GENERAL / UTILITY ROOMS	1' x 4' FLUORESCENT VANDAL RESISTANT LIGHT FIXTURE W/ 1/8" IMPACT ACRYLIC LENSE (TO 70% @ 70°). SURFACE MOUNTED HOUSING. SHADED WHITE ENAMEL FINISH.	SHADES	2GPT1X4-277-54-2TT	(2) F32 T8	
	GENERAL / UTILITY ROOMS	SAME AS ABOVE (SH)	SHADES	2GPT1X4-277-54-2TT	(2) F32 T8	
	EXTERIOR	DE SERIES DECORATIVE EXTERIOR OVERHEAD LUMINAIRE	KICHLER	15864 BKC (277V)	60 W	MOUNTED AT 9'-0" AFF
	UTILITY ROOM	TELEDYNE INDUSTRIAL FLUORESCENT LIGHT FIXTURE	SHADES	SI-1-40-277	40 W T12	CEILING MOUNTED AT 9'-0" AFF
	ROOF RECREATION	LARGE OUTDOOR REMOTE LIGHT FIXTURE	ELLIPTIPAR	H-SELF(TD)-1400-A-VL-C	175 W	MOUNTED AT 16'-0" AFF ON POLE FINISH AS SELECTED BY ARCHITECT / OWNER
	ROOF RECREATION	LARGE OUTDOOR REMOTE LIGHT FIXTURE - DIMMABLE	ELLIPTIPAR	T-SELF(DD)-1400-DIM-A-VL-C	1000 W	MOUNTED AT 16'-0" AFF ON POLE FINISH AS SELECTED BY ARCHITECT / OWNER
	GENERAL	DIMMABLE EXT LIGHTS	KICHLEN	SSL-1-LED	8 W	
	GENERAL	DIMMABLE EXT LIGHTS	KICHLEN	SSL-1-LED	8 W	
	GENERAL	DIMMABLE EXT LIGHTS	KICHLEN	SSL-2-LED	8 W	

CEILING LEGEND

TAG	DESCRIPTION
ACT-1	5/8" TYPE 'X' SYP. BD. ASTM. CEILING WATERPROOF SYSTEM AS SPECIFIED. BRACED TO STRUCTURE ABOVE. SET FROM SCHEDULE FOR T-BAR COLORS. SEE PLAN FOR APPLIED HEIGHTS.
ACT-2	2'x2' & 4'x2' 5/16" CEILING TILE BY ARMSTRONG - FINE TEXTURED FISSURED SQUARE LAY-IN SYSTEM - 9/16" T-BARS, CLASS 'A' FLAME SPREAD. FOR FIRE RATED CEILINGS, SEE SHEET A-102 FOR ADDITIONAL DETAILS.

EMERGENCY LIGHTING NOTE:

EMERGENCY LIGHTING SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 101 SECTION 7.9 AND IBC SECTION 1008.3 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATIONS.

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AL	26388	MT	2184
CA	C 37424	NE	A-0806
CO	306002	NH	2561
CT	8784	NY	027210
DE	SS-0007850	OH	32567
FL	AR-4102147	PA	RA-070661-E
ID	AR-984808	RI	6853
IL	001-018540	TX	19454
IN	10800211	VA	15521
KY	5909	VT	3402
MA	9515	WV	C-1702
MT	10035		

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REVISIONS

DATE	REV. BY	REV. #	DESCRIPTION / SUBDIVISION
03/29/07	HC	1	PER CLIENT COMMENTS
4/20/07	HC	2	PER CLIENT COMMENTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

TRENTON	NEW JERSEY
DRAWN BY:	HC/DMS
REVIEWED BY:	REZ
PROJECT NUMBER:	05-06
SCHEMATIC SET	DATE:
PRELIMINARY SET	DATE:
BID SET	DATE: 11-20-06
PERMIT SET	DATE: 11-20-06
PRELIMINARY SET	DATE:

FIRST FLOOR REFLECTED CEILING PLAN

DRAWING NO.
A.201

(b)(7)(E)

SECOND FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

NJ	21103	MD	A-9784
AL	8248	MT	2784
CA	C 29424	NE	A-3616
CO	309303	NH	2961
CT	8151	NY	029710
DE	SP-0001960	OH	10981
FL	AR-12626	PA	RA-010981-E
ID	AR-984595	SD	3553
IL	001-018594	TX	19654
IN	10000271	VA	13521
KY	9424	VT	2482
MA	9081	WV	C-1705
MD	10035		

CONSULTANT

REVISIONS

DATE	REV. BY	REV. #	PRELIMINARY / SUBMISSION
4/19/07	HS	1	PER PLANNING BOARD COMMENTS
4/20/07	HS	2	AS PER ALBERT

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

DRAWN BY:	VZ / DMG
REVIEWED BY:	REZ
PROJECT NUMBER:	05-10
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE: 10/23/06
PERMIT SET	DATE: 11/30/06
BUILT SET	DATE:

SECOND FLOOR
REFLECTED CEILING
PLAN

DRAWING NO.
A-202

2 Copies May 8

(b)(7)(E)

THIRD FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

REVISIONS

FOR CONSTRUCTION
4/20/07

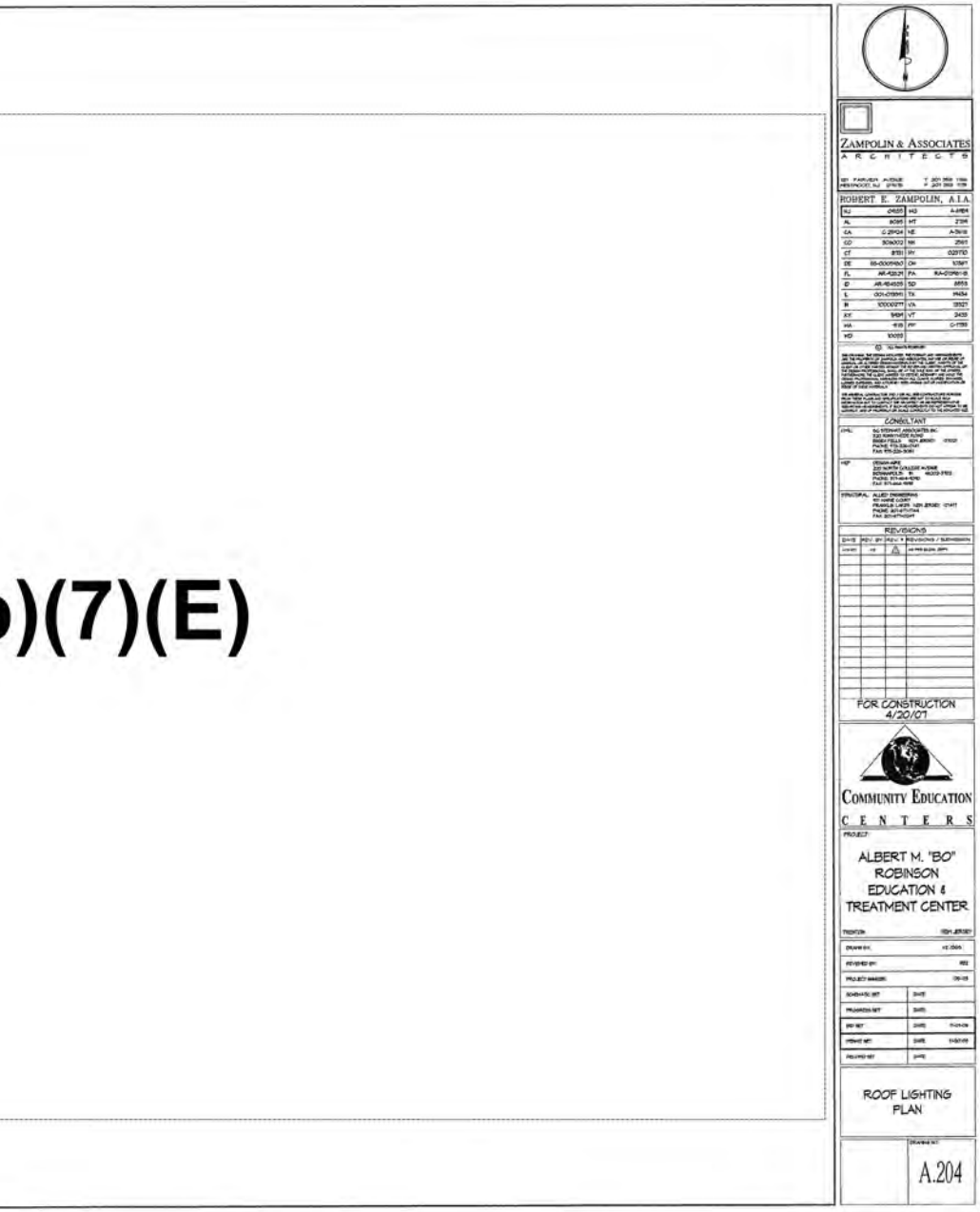
COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

THIRD FLOOR
REFLECTED CEILING
PLAN

A.203

(b)(7)(E)



ROOF LIGHTING PLAN
SCALE: 1/8" = 1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

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REVISIONS

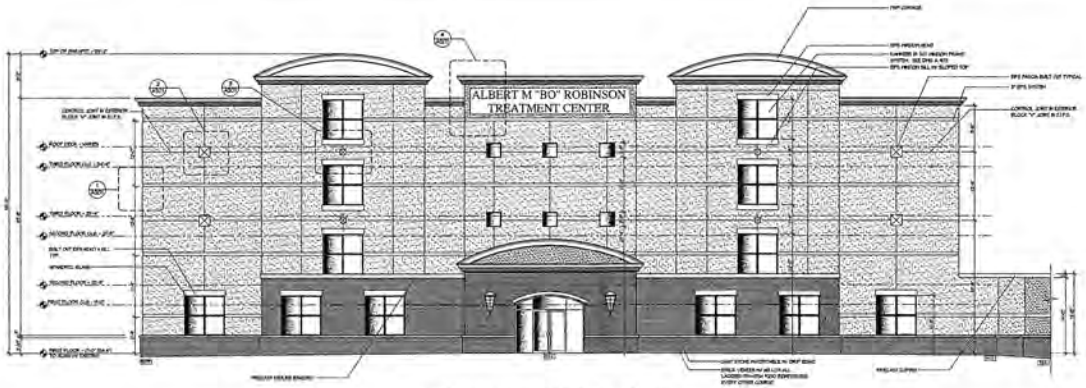
FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

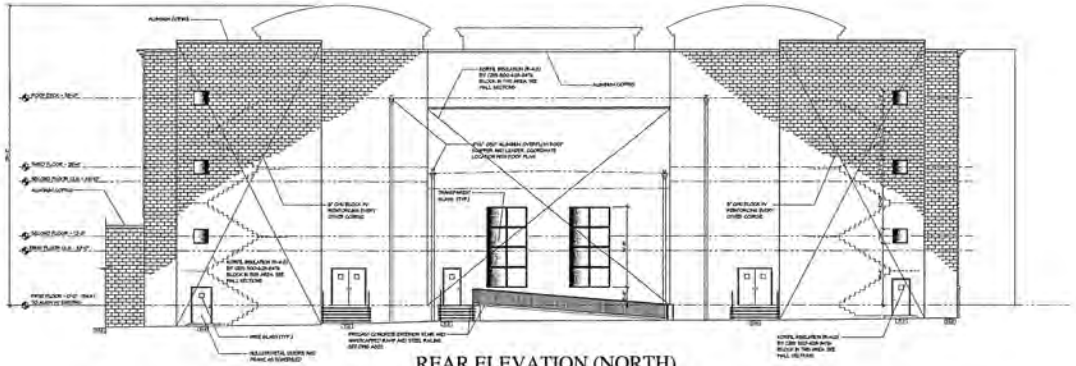
PROJECT
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

ROOF LIGHTING
PLAN

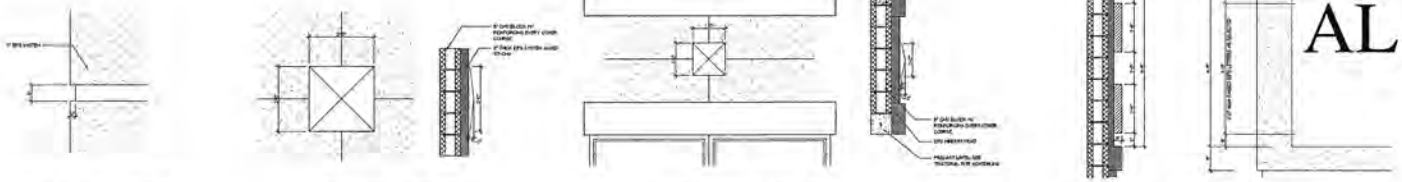
A.204



FRONT ELEVATION (SOUTH)
SCALE: 1/8"=1'-0"



REAR ELEVATION (NORTH)
SCALE: 1/8"=1'-0"



1 A501 ELEVATION DETAIL

2 A501 ELEVATION DETAIL

3 A501 ELEVATION DETAIL

4 A501 ELEVATION DETAIL

AL

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ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

REVISIONS

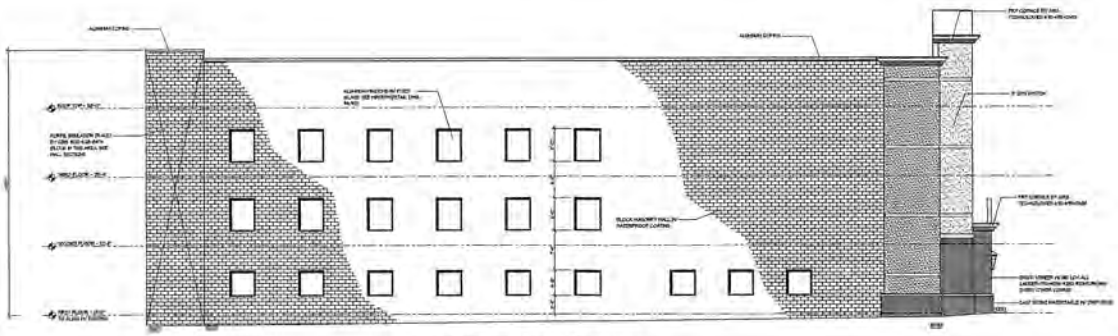
FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

NORTH & SOUTH
ELEVATION

A.301



LEFT ELEVATION (WEST)

RIGHT ELEVATION (EAST)

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ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

WEST & EAST
ELEVATION

A.302

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ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

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REVISIONS

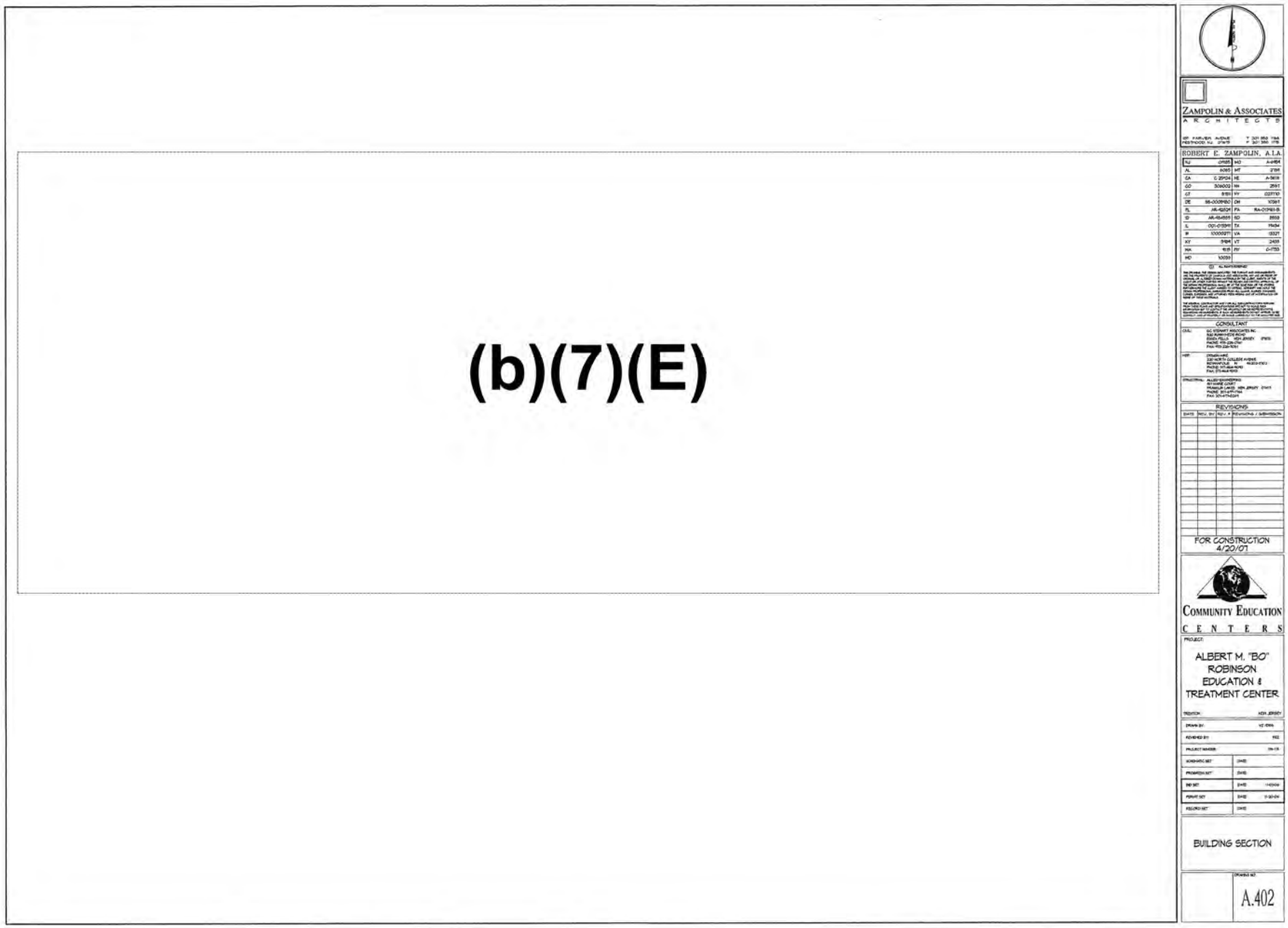
FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

BUILDING SECTION

A.401



ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

NJ	21GA	MD	A-4954
AL	3085	MT	2784
GA	C 27404	NE	A-3616
CO	306003	NH	2891
CT	8184	NY	027710
DE	SB-0009850	OH	10361
FL	AR-42434	PA	RA-010461-R
ID	AR-45-8511	SD	3859
IL	001-015941	TX	19434
IN	10000271	VA	13321
KY	31494	VT	2455
MA	9181	WV	01-1753
MD	10033		

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STRUMILA INC
2201 NORTH COLLEGE AVENUE
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DATE	REV. BY	REV. #	REVISIONS / SUBMISSION

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:

ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

TRENTON:	NEW JERSEY
DRAWN BY:	YZ-TWN
REVIEWED BY:	REZ
PROJECT MANAGER:	DM-CR
SCHEMATIC SET:	DATE:
PROGRESS SET:	DATE:
BID SET:	DATE: 11/03/06
PERMIT SET:	DATE: 11-30-06
RECORD SET:	DATE:

BUILDING SECTION

DRAWING NO.
A.402

(b)(7)(E)

A501 SCALE: 3/4"=1'-0"

A501 SCALE: 3/4"=1'-0"

A501 SCALE: 3/4"=1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

WALL SECTIONS

A.501

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

NJ	21103	MD	A-9791
AL	3069	MT	2191
CA	C-29124	NE	A-0618
CO	305003	NH	2561
CT	8759	NY	027710
DE	RA-0009450	OH	10391
FL	AR-15267	PA	RA-013781-E
ID	AR-984028	SD	8553
IL	001-018991	TX	19454
IN	10300271	VA	15021
KY	9424	VT	2488
MA	9133	WV	O-1359
MD	10030		

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DWG	NO.	BY	NO.	REVISIONS / SUBMISSION

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

DRAWN BY:	VT, DWG
REVIEWED BY:	REZ
PROJECT NUMBER:	06-10

SCHEMATIC SET	DATE
PROGRESS SET	DATE
BID SET	DATE 11-17-06
PERMIT SET	DATE 11-30-06
RECORD SET	DATE

WALL SECTIONS

DRAWING NO.
A.502

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

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CONSULTANT

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FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

PARTITION TYPES

A.601

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

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REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

PARTITION TYPES

A.602

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

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NJ	21GA	MD	A-4851
AL		MT	2194
GA	C.2743	NE	A-2616
CO	304002	NH	2561
CT	6751	NY	027113
DE	05-000780	OH	12567
FL	AR-#12634	PA	RA-012961-5
IT	AR-16456	SC	6553
IL	001-012536	TX	19454
IN	10300277	VA	15527
KY	7484	VT	2435
MA	4135	WV	C-1155
MD	10595		

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STRUCTURAL:
ALLIED ENGINEERING
411 HAZEL COURT
FRANKLIN LAKES, NEW JERSEY 07417
PHONE: 201-677-7144
FAX: 201-677-0249

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FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

DRAWN BY:		VZ/DMS
REVIEWED BY:		REZ
PROJECT NUMBER:		06-15
SCHEMATIC SET	DATE:	
PROGRESS SET	DATE:	
BID SET	DATE:	11-01-06
PERMIT SET	DATE:	11-30-06
RECORD SET	DATE:	

ENLARGED STAIR
PLANS & SECTION

DRAWING NO.
A.701

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

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NJ	21033	MD	A-14858
AL	30551	MT	3784
GA	C-25154	NC	A-7618
CO	503022	NH	3541
CT	8781	NY	029750
DE	S5-0007960	OH	13961
FL	AR-15824	PA	RA-019561-R
ID	AR-104058	SD	6553
IL	001-012971	TX	11494
IN	10000271	VA	13521
KY	31624	VT	2455
MA	4133	WV	0-1505
MD	10783		

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530 RIVERVIEW ROAD
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STRUCTURAL: ALLIED ENGINEERING
RYAN M. LUCEY
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FAX: 215-671-0244

REVISIONS

DATE	REV. BY	REV. #	REVISIONS / SUBMISSION

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

TRENTON, NEW JERSEY

DRAWN BY:	VZ-TMA
REVIEWED BY:	MZ
PROJECT NUMBER:	05-11
SUBMITTED SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE: 11/21/06
PERMIT SET	DATE: 01/21/06
RECORD SET	DATE:

ENLARGED FIRE STAIR
PLAN & SECTION

DRAWING NO:
A.702

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS
ROBERT E. ZAMPOLIN, A.I.A.

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

ELEVATOR & STAIR
DETAILS

A.703

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

ENLARGED TOILET
ROOM PLANS

A.704

TOILET ROOM ACCESSORIES

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

101 FAIRVIEW AVENUE
WESTWOOD, NJ 07675

T 201 358 1366
F 201 358 1178

ROBERT E. ZAMPOLIN, A.I.A.

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AL	26168	MT	2796
GA	C 25154	NE	A-1616
CO	304003	NH	2967
CT	8731	NY	022732
DE	RA-0007952	OH	12391
FL	AR-16824	PA	RA-037961-E
ID	AR-984928	SC	8853
IL	001-012316	TX	19634
IN	10100271	VA	13521
KY	3984	VT	3433
MA	4518	WI	C-1723
MD	10059		

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CIVIL:

ARCH:

STRUCTURAL:

REVISIONS

DATE	REV. BY	REV. #	REVISIONS / SUBMISSION

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

LOCATION: NEW JERSEY

DRAWN BY:	KT DMH
REVIEWED BY:	REZ
PROJECT NUMBER:	05-15

SCHEMATIC SET	DATE	
PROGRESS SET	DATE	
BID SET	DATE	4/20/07
PERMIT SET	DATE	10/31/06
ISSUED SET	DATE	

ENLARGED TOILET ROOM PLANS & DETAILS

DRAWING NO.

A.705

(b)(7)(E)

12 TYPICAL ALUMINUM COPING DETAIL (12" CMU)

13 NOT USED

14 NOT USED

15 NOT USED

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

REVISIONS

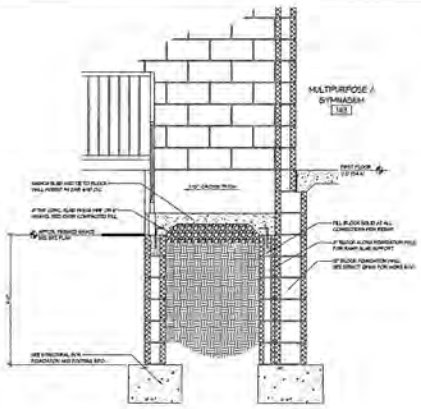
FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

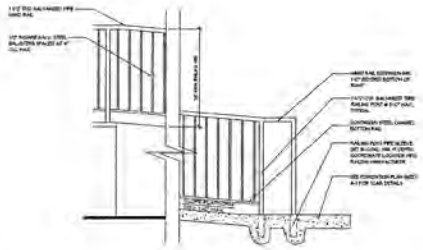
PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

ROOF DETAILS

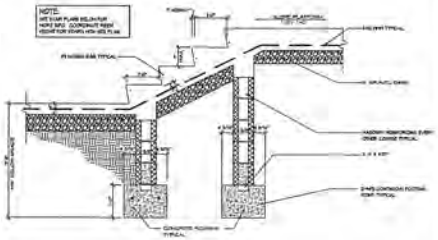
A.801



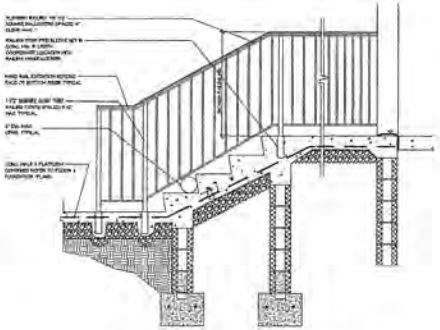
1 A802 RAMP SECTION



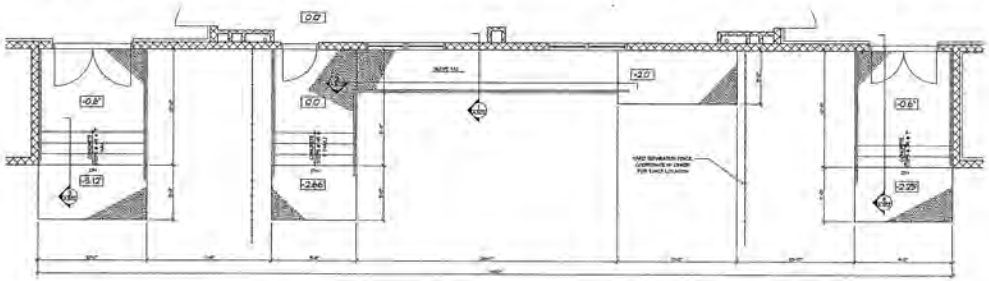
2 A802 TYPICAL RAILING DETAILS @ HANDICAP RAMP



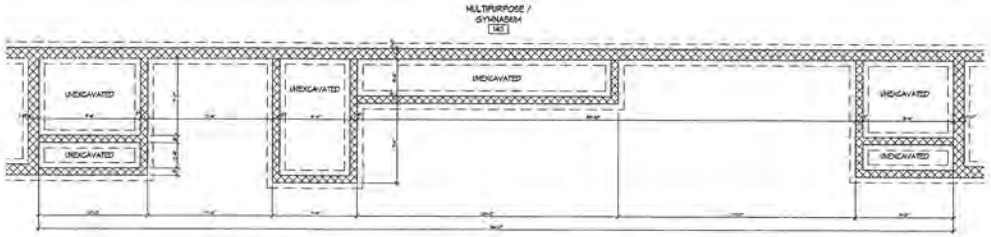
3 A802 TYPICAL STAIR DETAILS @ REAR



4 A802 TYPICAL STAIR HANDRAIL DETAIL



5 A802 EXTERIOR STAIR & RAMP PLAN
SCALE: 1/4"=1'0"



6 A802 EXTERIOR STAIR & RAMP FOUNDATION
SCALE: 1/4"=1'0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

EXTERIOR STAIR AND RAMP DETAILS

A.802

15 NOT USED

11 NOT USED

14 NOT USED

10 NOT USED

13 NOT USED

9 NOT USED

12 NOT USED

8 PASS THROUGH AT

(b)(7)(E)

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
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ID	AR-984388	SD	8552
IL	001-019391	TX	11484
IN	10100271	VA	15527
KY	5424	VT	2455
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CONSULTANT

REVISIONS

DATE	REV. BY	REV. #	REVISIONS / SUBMISSION
1/15/07	VZ	1	AS PER ALBERT ELLIS DEPT.

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

DRAWN BY:	VZ /DNS
REVIEWED BY:	WG
PROJECT MANAGER:	RE-WG
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE: 11/21/06
PERMIT SET	DATE: 12/20/06
RECORD SET	DATE:

MISCELLANEOUS
DETAILS

DRAWING NO.
A.803

ROOM FINISH SCHEDULE

FINISH TYPE	ROOM TYPE	FLOOR	FLOOR FINISH	BASE	BASE/COT MATERIAL	BASE/COT HEIGHT	WALL MATERIAL	WALL FINISH	CEILING MATERIAL	CEILING FINISH	CEILING HEIGHT	REMARKS
A	LOBBY	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	ACT	TYPE-I	9'-0"	
B	OFFICE	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	ACT	TYPE-I	9'-0"	
C	CONFERENCE ROOM	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	ACT	TYPE-II	9'-0"	
D	PASSAGE (OFFICE AREA)	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	ACT	TYPE-I	9'-0"	
E	CORRIDOR	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
F	CORRIDOR	VCT	NON SLIP MAX	VINYL			GWB / BLOCK	PAINT	GWB	PAINT	9'-0"	
G	LECTURE ROOM	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	ACT	TYPE-II	14'-0"	
H	COUNSEL	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
I	GYMNASIUM	EPOXY	SMOOTH	VINYL	-	-	BLOCK	PAINT	EXP.	PAINT	20'-0"±	CEILING HEIGHT REPRESENTS BOTTOM OF STEEL ROOF DECK. PAINT ALL EXPOSED ENCLOSING COLOR AS SELECTED
J	TOILET ROOMS (PUBLIC)	CER.T.	MATT FINISH	CER.T.	-	-	BLOCK	PAINT	GWB	PAINT	9'-0"	
K	DINING ROOM	VCT	NON SLIP MAX	VINYL	-	-	BLOCK	PAINT	GWB	PAINT	9'-0"	
L	CENTRAL LAUNDRY ROOM	EPOXY	NON SLIP	EPOXY	-	-	GWB / BLOCK	PAINT	GWB	PAINT	9'-0"	
M	CONTROL CENTER	VCT	NON SLIP MAX	VINYL	-	-	GWB / BLOCK	PAINT	GWB	PAINT	9'-0"	
N	H.C. TOL RM. (CONTROL)	CER.T.	MATT FINISH	CER.T.	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
O	DORM UNIT	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
P	ADA DORM UNIT (NOT USED)											
Q	TOILET ROOM (RESIDENT AREAS)	EPOXY	NON SLIP	EPOXY	-	-	BLOCK	PAINT	GWB	PAINT	9'-0"	
R	SHOWER ROOM (RESIDENT AREA)	EPOXY	NON SLIP	EPOXY	-	-	BLOCK	PAINT	GWB	PAINT	10'-0"	WATER RESISTANT BOARD CEILING
S	DAY ROOM	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	GWB	PAINT	9'-0" / 10'-0"	REFER TO REFLECTED CEILING PLANS FOR CEILING POINT LOCATIONS
T	UNIT OFFICE	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
U	UNIT OFFICE W.C. TOIL	CER.T.	MATT FINISH	CER.T.	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
V	CORRIDOR	VCT	NON SLIP MAX	VINYL	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
W	SALLY PORT	VCT	NON SLIP MAX	-	-	-	BLOCK	PAINT	GWB	PAINT	9'-0"	EXTERIOR SALLY PORT: WALLS TO BE FINISHED WITH THERMA-LINE 2" STANDARD ELASTOMERIC WALL SLAT # 418
X	JANITOR CLOSET	EPOXY	NON SLIP	EPOXY	-	-	GWB	PAINT	GWB	PAINT	9'-0"	
Y	STORAGE	CONC.	TROWLED SMOOTH	-	-	-	BLOCK	PAINT	EXP.	-	-	
Z	STORAGE	CONC.	TROWLED SMOOTH	-	-	-	GWB / BLOCK	PAINT	GWB	PAINT	9'-0"	
AA	STAIR	CONC.	TROWLED SMOOTH	-	-	-	BLOCK	PAINT	GWB	PAINT	-	CONCRETE FILLED PAN TREADS, FLOORS & LANDINGS TROWLED SMOOTH. PAINTED STEEL HANDRAIL, BODY COLOR. GWB PAINTED ASSEMBLY TO EXIT STAIR
AB	UTILITY ROOM (MECHANICAL)	CONC.	TROWLED SMOOTH	-	-	-	BLOCK	PAINT	EXP.	-	-	
AC	UTILITY ROOM (MECHANICAL)	CONC.	TROWLED SMOOTH	-	-	-	GWB / BLOCK	PAINT	EXP.	-	-	
AD	ELEVATOR MACHINE	CONC.	TROWLED SMOOTH	-	-	-	BLOCK	PAINT	EXP.	-	-	
AE	ROOF RECREATION	RUBBER	COLOR AS SELECTED	-	-	-	BLOCK	PAINT	-	-	OPEN	GWB MASONRY PARAPET WALLS ARE PERFILLED WATERPROOF COATED
AF	JANITOR CLOSET	EPOXY	NON SLIP	EPOXY	-	-	BLOCK	PAINT	GWB	PAINT	9'-0"	
AG	UTILITY CHASE	CONC.	TROWLED SMOOTH	-	-	-	GWB / BLOCK	-	GWB	PAINT	9'-0"	LAUNDRY 10'-0" UTILITY CHASE
AH	FIRE STAIR	CONC.	TROWLED SMOOTH	-	-	-	BLOCK	PAINT	EXP.	PAINT	-	GWB AT EXIT STAIR PRIOR TYPE AA (SELECT PAINT (MATCH) AT STAIR LANDINGS)

ACT CEILING TYPES:

ACT TYPE - I

ARMSTRONG 2' X 4' X 5/8" PRINCETON TEE WHITE CLEAN & FLAME SPREAD
FURRING PRELUDE XL 15/16" WIDE (9/16" EXPOSED T) WHITE OR OTHER / ARCHITECT APPROVED EQUAL

ACT TYPE - II

ARMSTRONG 2' X 2' X 5/8" CORE TEE WHITE CLEAN & FLAME SPREAD
FURRING PRELUDE XL 15/16" WIDE (9/16" EXPOSED T) WHITE OR OTHER / ARCHITECT APPROVED EQUAL

HOLLOW METAL FRAME NOTES:

HOLLOW METAL DOOR FRAMES ALL INSTALLATIONS, DOOR FRAMES ARE TO BE MADE FROM NOT LESS THAN 16 GA. FOLLOWING THE STANDARDS OF THE HOLLOW METAL MANUFACTURERS ASSOCIATION.

ALL FINISHED STEEL SHALL BE FREE QUALITY OPEN HEARTH, COLD ROLLED PROCESS - LEVELED PERFORMED STEEL, FULL GAUGE.

ALL WORK SHALL BE STRONG, AND RIGIDLY SET IN APPEARANCE AND FREE FROM DEFECTS, FLAW SURFACES SHALL BE SMOOTH, AND FREE FROM MARK SCALE, WORK WHERE EXACTLY ARE IN TRUE ALIGNMENT. CORNER, PATTERNING IMPERFECTIONS POSSIBLE WHERE EXPOSED SURFACE ARE FITTINGS SHALL HAVE HIDDEN CONNECTIONS IN METAL.

PROVIDE DETAILS, BRACKETS IN STRUTS, AND DOORS FOR ALL MORTISING OF ELECTRONIC HARDWARE, KNOCK OUTS, REINFORCEMENTS FOR ATTACHING ALL HARDWARE, OF WHICH NOT MADE, LARGE IN PATTERN THE METAL AGAINST THE STRAIN OF INTENDED SERVICE.

REINFORCEMENT FOR LOCKS AND DEADLOCKING SHALL BE EITHER TYPE AT LEAST 16 GAUGE WITH SPRING LEAF CONTACTS FOR LOCK CASES, REINFORCEMENT FOR BOTH SHALL BE AT LEAST 3" LONG AND NOT LESS THAN .094" THICK / 14 GAGE LUGS/PLATE FOR SAID PLATES AND DOOR LOCKS IS ALLOWABLE WITH THE HARDWARE SCHEDULE.

PANELS OR STELL DOOR FRAMES FOR INTERIOR DOOR SLIDERS, PROVIDE THRESHOLDS OF SAME SIZE OF THE FRAME. PROVIDE END AT THE DOOR HEAD WHERE PAIRS OF DOORS ARE INSTALLED, SLIDERS SHALL BE PROVIDED UNDER THE SWINGING SECTION AND INSTALLED AS PART OF THE HOLLOW METAL ERECTION REQUIREMENTS.

HEADS OF FRAMES SHALL HAVE IF NOT SHALL BE REINFORCED WITH ANGLES OR CHANNELS OF NOT LESS THAN 16 GAUGE STEEL, SPOT WELDED TO FRAME AT CLOSE INTERVALS.

ALL FRAMES SHALL BE SHOP PAINTED WITH RUST INHIBITIVE METAL PRIMER.

DOORS SHALL BE FITTED AND PROPERLY MATCHED TO THE FRAME ALLOWING FOR NOT MORE THAN 3/32" CLEARANCE AT JAMBS AND HEADS. SILLS, LOCK STILES TO HAVE UNDERCUT AND OVERCUTS, ETC. OF ENDING, VERTICAL LOUVERS TO PREVENT SHARING AND TESTING.

FINISH HARDWARE NOTES:

WORK INCLUDED:

REFER TO SET TYPES ON THE HARDWARE SCHEDULE WHICH INDICATES GENERALLY THE HARDWARE SETS FOR EACH DOOR.

FINAL LISTS SHALL BE PREPARED BY THE GENERAL CONTRACTOR THROUGH HIS DOOR AND FRAME SUPPLIER BASED ON THE MANUFACTURER, AND NOT EXCEPTION LIST SHALL BE APPROVED BY THE ARCHITECT PRIOR TO THEREAFTER CHANGES MADE AS A REQUEST OF THE ARCHITECT'S APPROVAL SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.

WORK NOT INCLUDED:

HARDWARE FOR THE FOLLOWING IS INCLUDED AND PROVIDED BY OTHERS:

TOILET STALLS
ROOM HARDWARE

ALL DOORS TO BE HUNG AS DIRECTED BY THE BUILDING OWNER TO MATCH WITH THE MASTER KEYING SYSTEM.

ALL PANEL TYPE SLIDING HARDWARE SHALL BE EQUIPPED WITH SET SCREW LOCKS TO ADJUST THE PANEL SAG & STOP POSITION ALLOWING BOTH FROM THE FULL SIZE OF THE DOOR. EITHER SIDE SHALL PROVIDE NOT MORE WITH AN ASSEMBLY SET DRIVEN FOR A STRAIGHT.

INSTALLATION:

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL HARDWARE AND SHALL MAKE PROPER FIT AND OPERATION.

HARDWARE TEMPLATE:

THE HARDWARE REQUIRED FOR THIS PROJECT SHALL BE MANUFACTURED BY THE LISTED MANUFACTURERS OR APPROVED EQUAL.

WHERE SHALL OCCUR THE MANNER INDICATED ON THE HARDWARE SETS 4 BY 1 4 BY 4.5 MANUFACTURED BY CORBIN OR APPROVED EQUAL.

ALL HARDWARE SHALL BE COMMERCIAL GRADE MANUFACTURED BY TEMPLATE HARDWARE STYLE SHALL BE AS LINE NOTED BUILDER LOCATIONS UNLESS NOTED IN HARDWARE SCHEDULE, FINISH SHALL BE STEEL CHROME, ALL OTHER SPECIFIED HARDWARE SHALL MATCH THEM.

DOOR CLOSERS SHALL BE LCN, WOOD DOORS MANUFACTURED BY LCN

WOOD DOOR NOTES

WORK INCLUDED:

FURNISH, PLAIN DOORS, LABELED DOORS, LOUVERS IN DOORS.

ARCHITECTURAL FLUSH DOORS:

ALL INTERNAL FLUSH DOORS SHALL BE CUSTOM MADE AS DETAILED IN THE AWI QUALITY STANDARDS SECTION 1300.

FACES AND FINISH WALLS AS NOTED BUT NOT REDUCED BELOW FOR STAIN APPLICATION, AS TYPE I

CORES OF DOORS SHALL BE CONTINUOUS BLOCK OR FRAMED BLOCK SOLID CORE ARE TYPE A.

LABELED DOORS SHALL BE AS TYPE I AT MEETING ASSEMBLIES, LABELED DOORS FOLLOWING NOTE AS LABELED TYPE DOORS AS SCHEDULED.

DOORS SHALL BE PREPARED FOR ALUMINUM LOUVERS WHERE SO CALLED, WITH WALL STOPS FELT, UNLESS NOTED, ALIGNED AND FITTED FOR HARDWARE AT THE FACTORY, OR JOB SITE AT THE OPTION OF THE CONTRACTOR'S OFFICE. ALL LABELED ARRANGED SHALL MEET THE REQUIREMENTS OF THE LABELING AGENCY.

ALL DOORS SHALL BE 1 3/4" THICK UNLESS THICKER NOTED DOORS ARE REQUIRED.

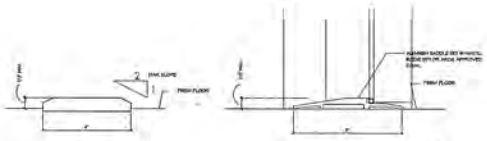
PRIME SEAL ALL WOOD DOORS SO NOTED IMMEDIATELY UPON ARRIVAL AT THE JOB SITE.

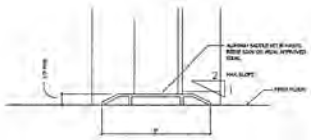
LOUVERS FOR DOORS

LOUVERS IN DOORS WHERE SCHEDULED SHALL BE OF STOCK DESIGN, SHAFT PROOF, METAL AS INDICATED ON THE DRAWINGS.

LOUVERS IN FIRE RATED DOORS SHALL BE LABELED TO MAINTAIN RATED DOOR RATING WHERE SUPPLIED INTO FIRE DOOR.

LOUVERS SHALL BE AS MANUFACTURED BY AMERICAN OR APPROVED EQUAL, LOUVER AS SCHEDULED.

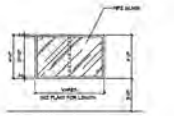




ALUMINUM SADDLE (B)

SADDLE DETAILS

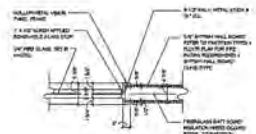
SCALE 1" = 1'-0"



1 TYPICAL VISION PANEL DETAIL

SCALE 1" = 1'-0"

NOTE: REFER TO FLOOR PLAN DRAWING A1.01 FOR VISION PANEL LOCATIONS.



NOTE: REFER TO VISION PANEL ELEVATIONS AND FLOOR PLANS FOR LENGTH

TYPICAL VISION PANEL JAMB DETAIL

SCALE 1" = 1'-0"

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FL	AR-15204	PA	RA-014961-E
ID	AR-1849697	SD	10512
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REVISIONS

DATE	DESCRIPTION

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY:	VS
CHECKED BY:	REZ
PROJECT NUMBER:	07-111
SUBMITTED SET:	DATE
PROGRESS SET:	DATE
BID SET:	DATE: 1/28/2008
PERMIT SET:	DATE: 7/2/2008
ISSUED SET:	DATE

FINISH SCHEDULE

DRAWING NO.

A.901

DOOR SCHEDULE

DR. TYPE	DOOR SIZE	DOOR ELEV.	DOOR MAT.	DOOR FINISH	FRAME ELEV.	FRAME MAT.	FRAME JAMB	SADDLE MAT.	SADDLE DET.	FIRE RATING	HARDWARE	GLASS	REMARKS	USE
A	(2) 3'-0" X 6'-0"	C	ALUM.	CLEAR ANOD.	B	ALUM.	D	ALUM.	A	-	1	TEMP.	CLEAR ANODIZED HOR. STYLE ALUMINUM DOOR & FRAME.	MAIN ENTRY
B	3'-0" X 7'-0"	B	WD	PAINT	1	HM	A	-		3/4 HR.	1	WIRE		CORRID.
C	3'-0" X 7'-0"	B	WD	STAIN	1	HM	A	-		-	5	TEMP.		FIRST FLOOR OFFICE
D	3'-0" X 7'-0"	B	WD	PAINT	1	HM	A	-		3/4 HR.	10	WIRE		DORM UNIT
E	(2) 3'-0" X 7'-0"	B	HM	PAINT	4	HM	A	-		3/4 HR.	BY DR. MANUF.	WIRE	MAGNETIC HOLD OPEN, RELEASED W/ F.P.S. ALARM AND CONTROL.	SERVER CONFERENCE DOOR SEE DOOR FRAME SCHD. FOR EXTRA HARDWARE INFO
F	3'-0" X 7'-0"	B	WD	STAIN	1	HM	A	-		-	1	TEMP.		CONFERENCE
G	3'-0" X 7'-0"	E	HM	PAINT	5	HM	E	ALUM.	B	1 1/2 HR.	15	WIRE		EXIT STAIR INTERIOR
H	(2) 3'-0" X 7'-0"	E	HM	PAINT	6	HM	E	ALUM.	A	-	2	WIRE		PAIR EXIT DOORS TO EXTERIOR
I	3'-0" X 7'-0"	E	HM	PAINT	5	HM	B	ALUM.	A	-	16	WIRE		EXIT DOOR TO EXTERIOR
J	3'-0" X 7'-0"	B	HM	PAINT	5	HM	A	-		1 1/2 HR.	15	WIRE		DINING RM
K	(2) 3'-6" X 7'-0"	E	HM	PAINT	9	HM	F	ALUM.	A	-	3	WIRE		PAIR LARGE EXIT DOORS TO EXTERIOR
L	(2) 3'-0" X 7'-0"	B	WD	PAINT	6	HM	E	-		1 1/2 HR.	3	WIRE		PAIR EXIT DOORS FROM LIVEWORK
M	3'-0" X 7'-0"	A	HM	PAINT	5	HM	A	-		3/4 HR.	2	-		STORAGE, UTILITY, ELEVATOR MACH RM
N	(2) 3'-0" X 7'-0"	A	HM	PAINT	2	HM	A	-		3/4 HR.	15	-		PAIR DOORS STORAGE RM.
O	3'-0" X 7'-0"	B	HM	PAINT	1	HM	E	-		-	13	WIRE		INTERIOR CORRIDOR EMBEDDED
P	3'-0" X 7'-0"	A	WD	PAINT	5	HM	E	MARBLE		3/4 HR.	4	-		PUBLIC TOIL DOORS
Q	3'-0" X 7'-0"	A	WD	PAINT	1	HM	E	MARBLE		-	6	-		PRIV. TOIL. DOOR
R	3'-0" X 7'-0"	A	WD	STAIN	1	HM	A	-		-	11	-		OFFICE STORAGE
S	(2) 3'-6" X 7'-0"	C	HM	PAINT	2	HM	A	-		3/4 HR.	19	-		PAIR DOORS LAUNDRY
T	3'-0" X 7'-0"	E	HM	PAINT	5	HM	E	-		1 1/2 HR.	19	WIRE		EXIT STAIR #1 & #2
U	3'-0" X 7'-0"	-	HM	PAINT	-	HM	-	ALUM.	B	1 1/2 HR.	-	-	ELEVATOR DOOR BY ELEVATOR MANUFACTURER	ELEVATOR DOOR
V	3'-0" X 7'-0"	E	HM	PAINT	9	HM	G	-			9	WIRE	HEADLOCK FAILSAFE TO FIRE ALARM ALARM & CONTROL	SALLY PORT DOOR
W	3'-0" X 7'-0"	A	WD	PAINT	1	HM	A	-		3/4 HR.	4			JANITORS CLOSET DOOR
X	3'-0" X 7'-0"	B	WD	PAINT	1	HM	A	-		-	4	WIRE		UNIT OFFICE
Y	3'-0" X 7'-0"	A	HM	PAINT	5	HM	E	-		-	4	-		ELEV. MACHINE RM.
Z	3'-0" X 7'-0"	A	WD	PAINT	5	HM	G	-		-	4	-		JANITORS CLOSET DOOR
AA	3'-0" X 7'-0"	A	HM	PAINT	5	HM	B	-		1 1/2 HR.	9	-	PROVIDE 6" LETTER SIGN "NOT AN EXIT"	STAIR #1 STORAGE
AB	3'-0" X 6'-8"	F	HM	PAINT	2	HM	B	ALUM.	A	1 1/2 HR.	16	WIRE	PANIC BAR ON EXTERIOR SIDE OF DOOR. HAS LOCK FAIL SAFE SECURITY DEVICE. FIRE RATED GLASS IN DOOR (WIRE GLASS, BY SAFETY FIRST 888-479-331 OR EQ.	ROOF STAIR EXIT
AC	3'-0" X 7'-0"	D	HM	PAINT	5	HM	B	-		1 1/2 HR.	14	1 1/2 HR FIRE RATED		CONTROL CENTER
AD	(2) 3'-0" X 7'-0"	B	HM	PAINT	6	HM	B	-		1 1/2 HR.	3	WIRE		CORRIDOR BARRIER DOOR NO 140
AE	(2) 3'-0" X 7'-0"	B	HM	PAINT	6	HM	I	-		1 1/2 HR.	12	WIRE	VERIFY 4" HEAD CONDITION IN FIELD.	DINING ROOM FOOD SERVICE DOOR & CORRIDOR
AF	3'-0" X 7'-0"	EXIST.	HM	PAINT	1	HM	EXIST.	-		1 1/2 HR.	EXIST.	-	NEW RATED DOOR TO MATCH EXIST. RATED DOOR THROUGHOUT AS REQ'D. VERIFY COND.	EXISTING DR. FROM EXIT STAIR TO MEN BUILDING
AG	3'-0" X 7'-0"	A	HM	PAINT	5	HM	E	-		1 1/2 HR.	4	WIRE		OFFICE AREA DOOR NO 130
AH	3'-0" X 7'-0"	A	HM	PAINT	5	HM	C	-		1 1/2 HR.	2	WIRE		OFFICE AREA DOOR NO 110
AI	3'-0" X 7'-0"	F	HM	PAINT	5	HM	B	-		-	5	WIRE	HEADLOCK FAILSAFE TO FIRE ALARM ALARM & CONTROL	ROOF SALLYPORT
AJ	3'-0" X 7'-0"	B	HM	PAINT	10	HM	B	-		1 1/2 HR.	2-13	WIRE	BI DIRECTIONAL DOORS W/ HOLLOW METAL WALNUT	BI PARTING HOLLOW METAL DOORS AT 5TH
AK	3'-0" X 7'-0"	E	HM	PAINT	5	HM	H	-		-	16	WIRE	PANIC BAR ON EXTERIOR SIDE OF DOOR. HAS LOCK FAIL SAFE SECURITY DEVICE.	ROOF RECREATION EXIT SECOND FLOOR
AL	3'-8" X 7'-0"	H	HM	PAINT	5	HM	F	ALUM.	B	1 1/2 HR.	15	WIRE		DOOR NO 181 EXIT STAIR
AM	3'-6" X 7'-0"	H	HM	PAINT	5	HM	B	ALUM.	A	-	16	WIRE		EXTERIOR DOOR NO. 52, EXIT STAIR.
AN	3'-0" X 7'-0"	A	HM	PAINT	5	HM	I	-		3/4 HR.	2	-		STORAGE + UTILITY RM. 2145, SECURITY PC
AP	3'-0" X 7'-0"	A	WD	PAINT	5	HM	I	MARBLE		3/4 HR.	18	-		RESIDENT TOILET ROOMS - 1ST FLOOR

(b)(7)(E)

(b)(7)(E)

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REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DOOR SCHEDULE

A.902

(b)(7)(E)

WINDOW ELEVATIONS

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4/20/07

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PROJECT:
ALBERT M. "BO"
ROBINSON
EDUCATION &
TREATMENT CENTER

WINDOW SCHEDULE
& DETAILS

A.903

(b)(7)(E)

NOTES:

1. FINISH FIRST FLOOR ELEVATION IS (54.4')
2. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SUITABLE SOIL, OR COMPACTED GRANULAR FILL WITH MIN. BEARING CAPACITY OF 4,000 PSF.
3. (XX'-XX") INDICATES BOTTOM ELEVATION OF FOOTING.
4. BOTTOM LEVEL OF EXTERIOR FOOTINGS SHALL BE 3'-6" MIN. BELOW ADJACENT GRADE.
5. CONCRETE FOR THE FLOOR SYSTEM SHALL HAVE MIN. COMPRESSION OF 4,800 PSI

PIER SCHEDULE		
NO.	SIZE	REINFORCEMENT (BOTT.)
P1	18" x 18"	8-#8 ∞ #3 STIRRUPS
P2	16" x 16"	8-#8 ∞ #3 STIRRUPS
P3	12" x 12"	10-#5 ∞ #3 STIRRUPS

FOOTING SCHEDULE			
NO.	SIZE	DEPTH	REINFORCEMENT E.W. (TOP) ∞ (BOTT.)
F1	5'-0" X 5'-0"	12"	7-#5 ∞
F2	6'-0" X 6'-0"	12"	8-#5 ∞
F3	8'-0" X 8'-0"	16"	7-#5 ∞
F4	9'-0" X 8'-0"	16"	8-#5 ∞
F5	7'-0" X 7'-0"	16"	8-#5 ∞
F6	7'-0" X 7'-0"	16"	8-#5 ∞
F7	8'-0" X 8'-0"	16"	8-#5 ∞
F8	8'-0" X 8'-0"	20"	8-#7 ∞
F9	8'-0" X 8'-0"	21"	10-#5 ∞
F10	9'-0" X 9'-0"	22"	9-#7 ∞
F11	15'-0" X 12'-0"	24"	8-#7 ∞
F12	17'-0" X 8'-0"	16"	11-#5 ∞ SHORT DIRECTION 7-#7 ∞ LONG DIRECTION
F13	9'-0" X 9'-0"	16"	10-#5 ∞

COLUMNS SCHEDULE	
COL'S #	SIZE
C1	W 8X40
C2	W 8X48
C3	W 12X40
C4	TS 6X6X5/16

NOTE A: FOR FOOTING SIZE & REQUIRED REBARS SEE DETAIL (3/S6) BOTT. OF FOOTING SHALL MATCH BOTT. OF EXIST. FOOTING. (VERIFY IN FIELD)

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4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" EDUCATION & TREATMENT CENTER
TRENTON, NEW JERSEY

DRAWN BY:	RG
REVIEWED BY:	MB
PROJECT NUMBER:	1045
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE: 7-27-06
PERMIT SET	DATE:
RECORD SET	DATE:

FOUNDATION PLAN

DRAWING NO.
S-1

(b)(7)(E)

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FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
EDUCATION &
TREATMENT CENTER

FOUNDATION
DETAILS

S-2

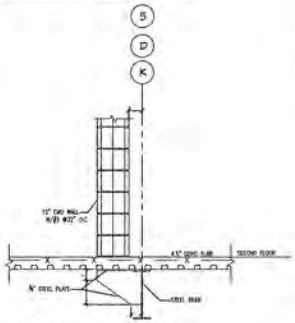
(b)(7)(E)

LEGEND

CONCRETE SLAB NOTES:

NOTE:

COLUMNS SCHEDULE	
COL'S #	SIZE
C1	W 8X40
C2	W 8X48
C3	W 12X40
C4	15 8X35/16



2 / S1 SECTION AT SECOND FLOOR
SCALE: 3/4"=1'-0"

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COMMUNITY EDUCATION CENTERS

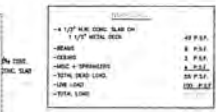
PROJECT:
ALBERT M. "BO" EDUCATION & TREATMENT CENTER

TRENTON, NEW JERSEY

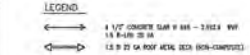
SECOND FLOOR FRAMING PLAN

DRAWING NO.
S-3

(b)(7)(E)



LEGEND



CONCRETE SLAB NOTES:

NOTE:

COLUMNS SCHEDULE	
COL'S #	SIZE
C1	W 8X40
C2	W 8X48
C3	W 12X40
C4	TS 6X6X5/16

LINTEL SCHEDULE

MARK	SIZE	LENGTH	SHAPE	REMARK
L1	8X12 PRECAST CONC. + 2-#5 TOP & BOT.	MAX. 5'-0"		(12" DIA)
L2	8X8 PRECAST CONC. + 2-#5 TOP & BOT.	MAX. 5'-0"		(8" DIA)
L3	8X8 PRECAST CONC. + 2-#5 TOP & BOT. + 14X4PSL (SPACE)	MAX. 7'-0"		(8" DIA) + 8" BRACE

BEAM POCKET SCHEDULE		
	SIZE	STEEL PLATE
B.P.D.#1	12X5	7X5X5/8 @ 4 @ 12"C 5/8"ø STUDS

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4/20/07

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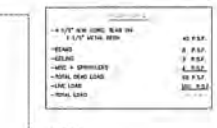
PROJECT:
ALBERT M. "BO" EDUCATION & TREATMENT CENTER

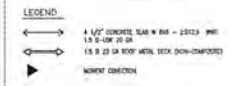
THIRD FLOOR FRAMING PLAN

S-4

(b)(7)(E)



LEGEND



CONCRETE SLAB NOTES:

NOTE:

COLUMNS SCHEDULE	
"S" #	SIZE
1	W 8X40
2	W 8X48
3	W 12X40
4	TS 8X8X5/16

TEL SCHEDULE		
LENGTH	SHAPE	REMARK
MIN. 5'-0"		(12" DIA).
MIN. 4'-6"		(8" DIA)
MIN. 7'-0"		(8" DIA) + 4" SHEAR

POCKET SCHEDULE
STEEL PLATE
TX8X5/8 = 3-1/2"X, 5/8"X STUDS

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FL	AR-15521	PA	RA-019861-E
ID	AR-924005	SD	4359
IL	001-019810	TX	19434
IN	10000271	VA	10527
KY	5929	VT	2433
MA	1013	WI	C-7159
MD	500768		

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Sherif H. El-Far P.E.

NOTES

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DATE	NOV. SYT. NOV. #	REVISIONS / SUBMISSION

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:

ALBERT M. "BO" EDUCATION & TREATMENT CENTER

TRENTON, NEW JERSEY

DRAWN BY:	RL
REVIEWED BY:	ERE
PROJECT NUMBER:	4249
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE: 11-21-06
PERMIT SET	DATE:
BULLETIN SET	DATE:

ROOF FRAMING PLAN

DRAWING NO.: S-5

(b)(7)(E)

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FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:

ALBERT M. "BO"
EDUCATION &
TREATMENT CENTER

TRENTON, NEW JERSEY

ROOF PARAPET
LAYOUT

DRAWING NO.

S-6

(b)(7)(E)

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4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO"
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STRUCTURAL DWG

DRAWING NO.
S-7

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4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT:
ALBERT M. "BO"
EDUCATION &
TREATMENT CENTER

BUILDING SECTION &
DETAILS

S-8

I. CONTRACTOR RESPONSIBILITY

CONTRACTOR RESPONSIBILITY WILL CONTAIN BUT NOT BE LIMITED TO THE FOLLOWING:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND THE SPECIFICATIONS. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE AND TO LOCAL REGULATIONS.
2. ALL WORK SHALL COMPLY WITH THE NEW YORK CODE, BOCA CODE, THE LOCAL BUILDING CODE, NO ROOFING CODE, AISC SPECIFICATIONS FOR DESIGN FABRICATION AND ERECTION OF STEEL BUILDINGS, STEEL DECK INSTITUTE, WIRE REINFORCEMENT INSTITUTE, AND CONCRETE MASONRY ASSOCIATION NATIONAL.
3. THE CONTRACTOR SHALL REVIEW THE REQUIREMENTS OF THE BUILDING WITH THE OWNER TO DETERMINE THE USE OF MEZZ, RAMPS, ETC... ANY RELATED COSTS OR CHANGES THERETO SHALL BE INCLUDED IN THE COST OF THE WORK.
4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR THE COORDINATION OF ALL PORTIONS OF THE WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SAFETY OF ALL PERSONS, EXISTING FACILITIES AND EXISTING EQUIPMENT AND DISPLAYS AT THE CONSTRUCTION SITE AND THROUGHOUT ALL AREAS AFFECTED BY THE NEW CONSTRUCTION.
6. THE CONTRACTOR SHALL THOROUGHLY VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AT THE JOB SITE. ANY AND ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER, OTHERWISE, THE CONTRACTOR SHALL BEAR ALL COSTS TO COMPLETE THE WORK AS INTENDED ON THE DRAWINGS.
7. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF REINFORCING, STRUCTURAL STEEL ETC., DETAILS FOR APPROVAL BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ACCEPT FULL RESPONSIBILITY FOR DIMENSIONAL CORRECTNESS.

II. SLAB ON GROUND

1. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ACI 302-96 IN CONSTRUCTION OF ALL SLABS ON GROUND.
2. CONCRETE FOR SLABS ON GROUND SHALL BE 4,000 PSI AT 28 DAYS.
3. MAXIMUM SLUMP SHALL BE 5 IN.
4. SLABS SHALL BEAR ON 4 IN. POROUS CRUSHED STONE FILL WITH 1 IN. SAND LAYER OVER TOP. REINFORCE ALL SLABS ON GROUND WITH WWF AT 2 IN. BELOW TOP SLAB.
5. STRIP CAST ALL SLABS ON GROUND IN MAXIMUM WIDTHS OF 20 FT. WITH CONSTRUCTION JOINT EACH SIDE.
6. SAW CUT CONTRACTION JOINTS IN SLAB AS SHOWN ON STRUCTURAL PLANS. CONTRACTION JOINTS ARE TO BE A MINIMUM OF 1/4" THE DEPTH OF THE SLAB. SAW CUT CONTRACTION JOINTS AS SOON AS CONCRETE IS HARD ENOUGH SO THAT BLADE DOES NOT DISLODGE AGGREGATE. ALL CONTRACTION JOINTS MUST BE CUT WITHIN 12 HOURS OF CASTING CONCRETE.
7. SAW CUT ALL CONSTRUCTION JOINTS TO 1/4 THE DEPTH OF SLAB AFTER A 90 DAY WAIT FILL ALL CONSTRUCTION AND CONTRACTION JOINTS WITH EPOXY JOINT FILLER.
8. SUBGRADE SOIL SHALL BE COMPACTED TO A MINIMUM OF RELATIVE DENSITY = 95%.

III. FOUNDATIONS

1. ALL FOOTINGS SHALL BEAR ON SOLID UNDISTURBED VIRGIN SOIL OR CONTROLLED COMPACT FILL WITH A MINIMUM BEARING CAPACITY OF 4000 PSF.
2. ALL FOOTING SHALL BE MINIMUM 3'-6" BELOW FINISHED GRADE.
3. EXTERIOR BACK FILLING SHALL BE DONE AFTER INSTALLING THE CONCRETE FLOOR SYSTEM.
4. DETAILS AND DIMENSIONS SHOWN IN ANY SECTION APPLY TO ALL SIMILAR SECTIONS, UNLESS NOTED OTHERWISE.

IV. CONCRETE FORMWORK

1. ALL CONCRETE FORMWORK SHALL COMPLY WITH THE LATEST EDITION OF ACI 347 (RECOMMENDED PRACTICE FOR CONCRETE FORMWORK) #3-1 (CONSTRUCTION AND INDUSTRIAL PLYWOOD) AND 301 AND BRACING.
2. PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK. SHORE FOR STRENGTHEN FORMWORK NUMBED TO OVER STRESSING BY CONSTRUCTION LOADS.
3. THE FORMWORK DESIGN SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.
4. ALIGN JOINTS AND MAKE WATERTIGHT. KEEP FORM JOINTS TO A MINIMUM.
5. OBTAIN APPROVAL BEFORE PLACING OPENINGS IN CONSTRUCTION MEMBERS WHICH ARE NOT INDICATED ON DRAWINGS.
6. APPLY FORM RELEASE AGENT ON FORMWORK IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. APPLY FORM RELEASE AGENT PRIOR TO PLACEMENT OF REINFORCING STEEL, ANCHORING DEVICES, AND EMBEDDED ITEMS.
8. PROVIDE FORMED OPENINGS WHERE REQUIRED FOR ITEMS TO BE EMBEDDED IN OR PASSING THROUGH CONCRETE WORK.
9. LOCATE AND SET IN PLACE ITEMS WHICH WILL BE CAST DIRECTLY INTO CONCRETE.
10. INSTALL WATER STOPS CONTINUOUS WITHOUT DISPLACING REINFORCEMENT.

V. CONCRETE REINFORCEMENT

1. ALL CONCRETE DETAILS AND CONSTRUCTION ARE TO COMPLY WITH THE LATEST EDITION OF THE ACI 301 & ACI 318 CODE AND LOCAL CODE.
2. REINFORCING TO BE DEFORMED BARS, NEW BILLET STEEL A.S.T.M. A-615 DESIGNATION GRADE 60. ALL BARS ARE TO BE BENT IN PLACE.
3. WELDED WIRE MESH SHALL CONFORM TO A.S.T.M. A-185.
4. PLACE, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. DO NOT DEVIATE FROM REQUIRED POSITION.
5. MAINTAIN CONCRETE CLEAR COVER AROUND REINFORCING AS FOLLOWS:

ITEM	COVERAGE
BEAMS	1.5 INCH
SUPPORTED SLAB	1.0 INCH
COLUMN TIES	1.5 INCH
WALLS (EXPOSED TO WEATHER OR BACKFILL)	2.0 INCH
FOOTINGS AND CONCRETE FORMED AGAINST EARTH	3.0 INCH
SLABS ON FILL	2.5 INCH

VI. CAST-IN-PLACE CONCRETE

1. ALL CONCRETE DETAILS AND CONSTRUCTION ARE TO COMPLY WITH THE LATEST EDITION OF THE ACI 301, ACI-318, ACI-614.
2. CONFORM TO ACI 305R WHEN CONCRETING DURING HOT WEATHER.
3. CONFORM TO ACI 306R WHEN CONCRETING DURING COLD WEATHER.
4. CEMENT – ASTM C150 TYPE I.
5. JOINT FILLER TYPE ASTM D1752, (PRE MOLDED) SPONGE RUBBER, FULLY COMPRESSIBLE WITH RECOVERY NOT OF MINIMUM 90 PERCENT.
6. MIX CONCRETE IN ACCORDANCE WITH ACI 304. DELIVERY CONCRETE IN ACCORDANCE WITH ASTM C94.
7. PROVIDE CONCRETE TO THE FOLLOWING CRITERIA:
   1. COMPRESSIVE STRENGTH 28 DAYS: 4000 PSI
   2. SLUMP: 3 TO 4 INCHES
   3. MAXIMUM WATER/CEMENT RATIO: 0.5
8. EMBURE REINFORCEMENT, INSERTS, EMBEDDED PARTS, FORMED JOINT FILLETS AND ANCHORS ARE NOT DISTURBED DURING CONCRETE PLACEMENT.
9. VERIFY REQUIREMENTS FOR CONCRETE COVER OVER REINFORCEMENT.
10. NOTIFY THE ENGINEER MINIMUM 24 HOURS PRIOR TO COMMENCEMENT OF OPERATIONS.
11. VERIFY THAT ANCHORS, SEATS, PLATES, REINFORCEMENT AND OTHER ITEMS TO BE CAST INTO CONCRETE ARE ACCURATELY PLACED, POSITIONED SECURELY, AND WILL NOT CAUSE HARDSHIP IN PLACING CONCRETE.
12. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.
13. DO NOT PATCH, FILL, TOUCH-UP, REPAIR, OR REPLACE EXPOSED CONCRETE EXCEPT UPON EXPRESS DIRECTION OF ENGINEER FOR EACH INDIVIDUAL AREA.
14. REPAIR OR REPLACEMENT OF DEFECTIVE CONCRETE WILL BE DETERMINED BY THE ENGINEER.

VII. OPEN WEB STRUCTURAL STEEL MEMBERS

1. ALL STEEL BAR-JOISTS AND JOIST-GIRDERS TO BE DESIGNED, DETAILED AND FABRICATED IN ACCORDANCE WITH THE SPECIFICATIONS PUBLISHED BY THE STEEL JOIST INSTITUTE.
2. JOISTS SHOULD HAVE 2 1/2" MINIMUM BEARING ON STRUCTURAL STEEL BEAMS.
3. PROVIDE SOLID BLOCK MASONRY COURSE WHEREVER JOIST IS SUPPORTED.
4. STEEL JOISTS EXTENDED ENDS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS.
5. BRIDGING STANDARD WITH THE MANUFACTURER AND COMPLYING WITH THE APPLICABLE STEEL JOIST INSTITUTE SPECIFICATION SHALL BE USED. POSITIVE ANCHORAGE SHALL BE PROVIDED AT THE ENDS OF EACH BRIDGING ROW AT BOTH TOP AND BOTTOM CHORDS.
6. DO NOT ERECT DECKING UNTIL JOISTS ARE BRACED, BRIDGED AND WELDED.
7. EXTEND BOTTOM CHORDS OF ALL OPEN WEB STEEL JOISTS AT COLUMN LINES AND WELD TO COLUMN OR BEAM.
8. ALL BAR JOISTS THAT ARE 37'-0 FEET OR LONGER TO BE MANUFACTURED WITH CAMBER AS RECOMMENDED BY STEEL JOIST INSTITUTE.
9. STEEL USED IN THE MANUFACTURE OF JOISTS AND JOIST GIRDERS SHALL COMPLY WITH THE APPLICABLE STEEL JOINT INSTITUTE LATEST SPECIFICATIONS.
10. ALL MATERIALS SHALL RECEIVE AT LEAST ONE SHOP COAT OF PAINT IN ACCORDANCE WITH FED. SPEC. TT – P636 (RED OXIDE).
11. METAL DECK FOR ALL ROOF CONSTRUCTION SHALL BE 1 1/2 TYPE B AND SHALL BE WELDED AT 12" O/C TO SUPPORTING MEMBERS. JOINTS TO BE STAGGERED.

IX. MASONRY

1. ALL MASONRY BLOCK UNITS SHALL CONFORM TO ASTM C90. MASONRY BLOCK UNITS BELOW GRADE AND ALL EXTERIOR WALLS SHALL BE GRADE N-1 OR N-1. ALL BLOCK BELOW GRADE SHALL BE GROUTED.
2. ALL MORTAR SHALL CONFORM TO ASTM C270, TYPE S.
3. GROUT IN BOND BEAMS AND GROUTED CELLS SHALL BE MADE WITH TYPE 1 CEMENT AND STONE AGGREGATE AND SHALL DEVELOP 2,000 PSI IN 28 DAYS.
4. VERTICAL REINFORCING NOTED ON DRAWINGS SHALL EXTEND FOR THE FULL HEIGHT OF MASONRY AND SHALL BE GROUTED IN PLACE, USING A MAXIMUM OF 4'0" LIFTS. PROVIDE #4 BAR AT ALL CORNERS, END OF WALL, EACH SIDE OF OPENINGS, AND EACH SIDE OF CONTROL JOINT.
5. FILL ALL VOIDS AND BLOCK CELLS SOLIDLY WITH GROUT FOR A DISTANCE OF 24" BELOW BAR AND 12" EACH SIDE OF ALL BOND BEAM/LINTEL UNLESS OTHERWISE NOTED.
6. MASONRY REINFORCEMENT TO BE ASTM A615-GRADE 60. MINIMUM LAP LENGTH OF 48 BAR DIAMETER.

XI. LIGHT GAGE STEEL FRAME

1. ALL STEEL FRAMING MEMBERS SHALL BE OF TYPE AND SIZE SHOWN ON THE DRAWINGS AND SHALL BE MANUFACTURED BY: DIETRICH INDUSTRIES INC., OR APPROVED EQUAL. DETAILS, SUBMIT SHOP DRAWINGS, INCLUDING DETAILS OF ALL LIGHT GAGE STEEL FRAMING. DRAWINGS MUST BE SIGNED AND SEALED BY:
   AN ENGINEER LICENSED IN THE STATE OF NEW JERSEY. CALCULATIONS MUST BE INCLUDED TO SUBSTANTIATE CONNECTIONS SPECIFIED.
2. ALL STRUCTURAL FRAMING MEMBERS SHALL BE MANUFACTURED FROM GALVANIZED STEEL SHEET.
3. ALL GALVANIZED STEEL JOISTS, STUDS, AND ACCESSORIES, 18 GAGE OR HEAVIER.
   SHALL CONFORM TO ASTM A-446 (MINIMUM YIELD POINT 50,000 PSI).
4. ALL GALVANIZED STEEL JOISTS, STUDS, AND ACCESSORIES, 19 GAGE, SHALL CONFORM TO ASTM A-446 (MINIMUM YIELD POINT 37,000 PSI).
5. ALL GALVANIZED STEEL JOISTS, STUDS AND ACCESSORIES, 20 GAGE, SHALL CONFORM TO ASTM A-446 (MINIMUM YIELD POINT OF 33,000 PSI).
6. CARE SHALL BE EXERCISED AT ALL TIMES TO AVOID DAMAGE THROUGH CARELESS HANDLING DURING UNLOADING, STORING, AND ERECTION OF STEEL FRAMING MEMBERS AND SUBASSEMBLIES.
7. THE ENDS OF STEEL JOISTS SHALL BE REINFORCED TO ADEQUATELY STIFFEN THE JOIST WEB AND TO TRANSFER THE LOADS TO THE SUPPORTS. MINIMUM END BEARING SHALL BE 1 1/2 INCHES, MINIMUM BEARING FOR INTERMEDIATE SUPPORTS SHALL BE 3 1/2 INCHES.
8. JOINING OF STRUCTURAL FRAMING MEMBERS SHALL BE MADE WITH SELF-DRILLING SCREWS OR WELDING. WIRE TYING OF FRAMING MEMBERS IN STRUCTURAL APPLICATIONS SHALL NOT BE PERMITTED. ALL WELDS SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT.
9. HORIZONTAL WIRE STRAPPING, WHEN REQUIRED BY THE APPLICABLE TABLES, SHALL BE FASTENED TO THE BOTTOM FLANGE OF THE STEEL JOIST AND ATTACHED TO BOTH SIDES OF ALL STUDS.
10. STRAPPING SHALL BE INSTALLED AND SECURELY ANCHORED TO SUITABLE RESTRAINING COLUMNS OR WALLS PRIOR TO THE ERECTION OF STRUCTURE ABOVE.
11. STEEL JOIST AND STEEL WALL BRIDGING SHALL BE PROVIDED WHERE INDICATED ON DRAWINGS, OR AS PER MANUFACTURER'S SPECIFICATIONS. STEEL BRIDGING TO BE FASTENED TO EACH STUD OR JOIST.
12. SPLICES IN STEEL JOISTS AND STUDS SHALL NOT BE PERMITTED.
13. DURING ERECTION, THE BUILDER SHALL PROVIDE MEANS OF ADEQUATE DISTRIBUTION OF CONCENTRATED LOADS SO THAT THE CARRYING CAPACITY OF ANY STEEL FRAMING MEMBER IS NOT EXCEEDED.
14. TEMPORARY BRACING SHOULD BE USED TO SUPPORT WALLS UNTIL PERMANENT CONNECTIONS ARE COMPLETED.
15. STUDS ARE TO BE POSITIONED IN LINE WITH FLOOR JOIST (N...) FRAMING MEMBERS.

X. STRUCTURAL STEEL NOTES

1. ALL DESIGN, FABRICATION AND ERECTION OF STRUCTURAL ST... WORK SHALL CONFORM TO THE CURRENT ISSUE OF THE A... SPECIFICATIONS AND SHALL COMPLY WITH ALL LOCAL LAWS ... ORDINANCES.
2. ALL STRUCTURAL STEEL SHALL BE NEW, CLEAN AND STRAIGH... SHALL CONFORM TO THE LATEST EDITION OF THE ASTM A-...
3. THE STRUCTURAL STEEL CONTRACTOR MUST VERIFY LOCATION... ANCHOR BOLTS, LOCATION, SIZE AND ELEVATIONS OF ALL BUR... FOUNDATIONS PRIOR TO THE START OF ERECTION.
4. BOLTS SHALL BE 3/4" DIA. (UNLESS OTHERWISE NOTED) HI... STRENGTH CONFORMING TO ASTM A325.
5. CONNECTIONS:
   A. SHOP CONNECTIONS SHALL BE MADE WITH HIGH STRE... BOLTS OR WELDS.
   B. FIELD CONNECTIONS SHALL BE MADE WITH HIGH STRE... BOLTS UNLESS OTHERWISE NOTED.
   C. CONNECTION CAPACITY: FULL SHEAR CAPACITY OF TH... MEMBER.
6. STEEL COLUMNS AT THE BASE TO BE ENCASED IN CONCRETE... PROVEN ALIGNMENT AND LEVELING WITH NON-SHRINK GROU... UNDERSIDE OF BASE PLATE. ENCASED PORTION OF COLUM... NOT BE PAINTED.
7. CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING REQU... TO MAINTAIN PLUMB AND STABILITY OF STRUCTURAL SYSTEM... DURING ERECTION.
8. ALL ANCHOR BOLTS AND EMBEDDED PLATES/INSERTS TO BE ... SUPPLIED BY STEEL CONTRACTOR, AND SHALL BE SET AT T... PROPER LOCATION BY GENERAL CONTRACTOR.
9. BEAMS BEARING ON WALLS SHALL BE PROVIDED WITH BEARI... PLATES AND ANCHORED WITH BOLTS AS APPROVED BY THE ENGINEER.
10. ALL STRUCTURAL STEEL SHOULD HAVE ONE SHOP COAT OF ... PAINT IN ACCORDANCE WITH FED. SPEC. TT-P 636 (RED O...
11. NO OPENINGS SHALL BE CUT IN STRUCTURAL STEEL MEMBERS ... UNLESS APPROVED BY THE ENGINEER.
12. APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE CONTRA... HIS RESPONSIBILITIES AND CONTRACT OBLIGATIONS.
13. ALL ROOF AND FLOOR MEMBERS ARE UNIFORMLY SPACED (... NOTED, OTHER WISE.

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT

ALLIED ENGINEERING ASSOCIATES

REVISIONS

DATE	REV. BY	REV. #	REMARKS / SUBMISSION

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:

ALBERT M. "BO" EDUCATION & TREATMENT CENTER

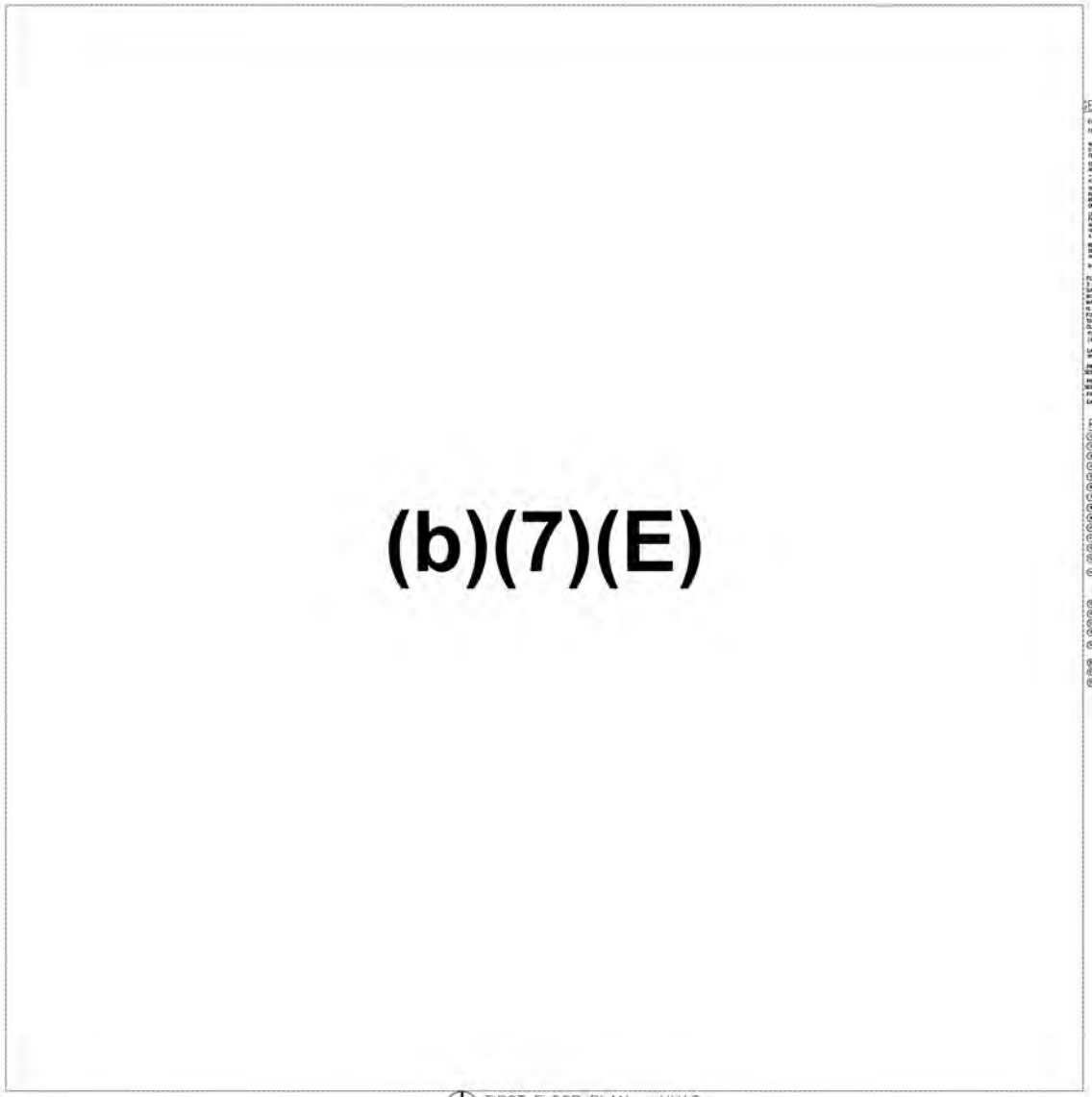
TRENTON, NEW JERSEY

DRAWN BY:	RG
REVIEWED BY:	MC
PROJECT NUMBER:	0706
AUTHORITIES SET	DATE:
PROGRESS SET	DATE:
PERMIT SET	DATE: 11/20/06
PERMIT SET	DATE:
RECORD SET	DATE:

NOTES

DRAWING NO.
S-9

(b)(7)(E)



FIRST FLOOR PLAN – HVAC
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST QUALITY STANDARDS OF THE TRADE, AND SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS.

CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS AND BOTH ARE ADVISED TO BE COMPLEMENTARY TO EACH OTHER. ANYTHING SHOWN ON EITHER MUST BE INCLUDED THE SAME AS IF SHOWN ON BOTH.

THE CONTRACTOR SHALL INCLUDE IN HIS PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT, AND SHALL EXAMINE THE SCOPE OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.

CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. SOME ARE SYSTEMS WHICH WITH SPECIFIC ENGINEERING AND IN SOME CASES, ENLARGED FOR CLARITY. ANY DEFECTS, ADDITIONAL MATERIALS, AND/OR APPURTENANCES REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM SHALL BE BORNE BY THE CONTRACTOR.

REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED MATERIALS INCLUDING ALL DIFFUSERS, GRILLES, AND REGISTERS.

BALANCED DAMPERS SHALL BE LOCATED AT BRANCH CONNECTION TO THE MAIN.

FLEXIBLE DUCTWORK IS LIMITED TO A MAXIMUM LENGTH OF 5 FEET, WITH NO OFFS, EXCEL OR TIGHT CLOSING, AND ON SUPPLY DUCTWORK ONLY. FLEXIBLE DUCTWORK SHALL BE AN INSULATED FLEXIBLE DUCT CONSISTING OF A FOIL LINER MANUFACTURED BY STEMCO (X-KAT SOFT ALUMINUM CORE WHICH IS SPIRALLY WOUND AND MECHANICALLY JOINED TOGETHER FORMING AN AIR TIGHT—LIQUIDTIGHT TRIPLY LOCK SEAM. SHALL BE SELF-SUPPORTING AND CORROSIVE RESISTANT (UL-181 CLASS 1 PRODUCT, WITH A POLYETHYLENE VAPOR BARRIER. FLEXIBLE DUCTWORK TO BE UNE ANSTEMPT UFC-108. (ACOUSTICAL) OR AS APPROVED EQUAL.

LABEL ALL THERMOSTATS, SENSOR, ETC. AT TO WHAT THE DEVICE CONTROLS WITH AN ENGRAVED, PLASTIC LABEL, ADHERED UNDER THE DEVICE.

PROVIDE NEW PLENUMS ON RETURN AND EXHAUST GRILLES AS REQUIRED. SEE DETAILS.

PROVIDE TURNING VANES IN ALL DUCTS ELBOWS. SEE DETAILS.

FIRE STOP AROUND ALL WALL AND FLOOR PENETRATIONS.
EACH MAIN DUCT PASSING THROUGH FLOOR CAPACITY SHALL BE FIRE DAMPERS.

PLAN NOTES:

1. ANNUAL VOLUME DAMPER, TYPICAL.
2. 24"Ø VENT, CONNECT TO EXHAUST DUCT.
3. 24"x 16" SUPPLY DUCT UP TO ROOFTOP 1-4.
4. 24"x 16" RETURN DUCT UP TO ROOFTOP 1-4.
5. 24"x 16" SUPPLY DUCT UP TO ROOFTOP 1-5.
6. 24"x 16" RETURN DUCT UP TO ROOFTOP 1-5.
7. 22"x 12" EXHAUST DUCT UP TO ROOF ABV EF-1.
8. 20"x 14" SUPPLY DUCT UP TO ROOFTOP 1-1.
9. 20"x 14" RETURN DUCT UP TO ROOFTOP 1-1.
10. 24"x 16" SUPPLY DUCT UP TO ROOFTOP 1-3.
11. 24"x 16" RETURN DUCT UP TO ROOFTOP 1-3.
12. 24"x 16" RETURN DUCT UP TO ROOFTOP 1-2.
13. 14"x 14" AIR TRANSFER DUCT.
14. DUCT MOUNTED STATIC PRESSURE SENSOR FOR STAIRWELL PRESSURIZATION.
15. ROOF LOUVER IN WALL FOR STAIRWELL PRESSURIZATION AIR. GREEN CLOS-DECK, 48"x52"x4" COMBINATION LOUVER. MOUNT AS HIGH AS POSSIBLE ABOVE LANDING. PROVIDE A 6" DEEP SHEET METAL PLENUM WITH TYPE "S" GRILLE OVER PLENUM.
16. 10"x 10" UP FROM GRILLE TO EF-1 ON ROOF.
17. 24"x 16" SUPPLY DUCT UP TO ROOFTOP 1-2.
18. 24"x 16" RETURN DUCT UP TO ROOFTOP 1-2.
19. 20"Ø STAIR, AIR DUCT WITH MOTORIZED DAMPER UP TO ROOF MECH.
20. 6"Ø GALVANIZED STEEL COMB. AIR AND VENT FOR BOILERS (SHOWN AS PROVIDED BY BOILER MANUFACTURER'S BEST RECOMMENDATIONS AND REQUIREMENTS.
21. 24"x 24"EXHAUST UP TO ROOF FROM EF-1. SEE DETAIL ELEVATION.
22. DROP DUCT UP AS HIGH AS POSSIBLE.
23. EXHAUST LOUVER IN WALL FOR RESTROOM EXHAUST PRESSURIZATION LIKE GREEN FARM, 12"x12"x4" COMBINATION LOUVER. MOUNT AS HIGH AS POSSIBLE. PROVIDE A 6" DEEP SHEET METAL PLENUM.

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FL	AR-13575	PA	RA-017961-R
ID	AR-984589	SD	6853
IL	001-013170	TX	19424
IN	10900077	VA	0021
KY	5989	VT	1473
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MD	10010		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

DATE	REV. BY	REV. #	REVISIONS / SUBMISSION
11/29/06	MB	1	ADDENDUM #2 PER AMCA
12/18/06	MB	2	ADDENDUM #1 PER AMCA
4/19/07	MB	3	AS PER ALBERT COMMENTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY:	MB
REVIEWED BY:	MB
PROJECT NUMBER:	2005
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-15-06
RECORD SET	DATE:

FIRST FLOOR PLAN – HVAC

DRAWING NO.
M.101

(b)(7)(E)

GENERAL NOTES:

PLAN NOTES:

ZAMPOLIN & ASSOCIATES
ARCHITECTS

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

SECOND FLOOR PLAN - HVAC

M.102

(b)(7)(E)

THIRD FLOOR PLAN – HVAC
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. EVERYTHING SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. FOR GENERAL DUCT CONSTRUCTION SEE DETAILS ON SHEET M201
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE, AND SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS.
4. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS, AND BOTH ARE INTENDED TO BE COMPLEMENTARY – NOTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
5. THE CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK INDICATED FOR THE PROJECT, AND SHALL EXAMINE THE SITE PERSONAL OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.
6. CONSTRUCTION DOCUMENTS SHOWN ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO CONVEY THE SCOPE OF WORK ONLY. THEY ARE NOT INTENDED TO BE USED AS SHOP DRAWINGS. THEY ARE DIAGRAMMATIC AND IN SOME CASES ENLARGED FOR CLARITY. ANY OFFSETS, ADDITIONAL FITTINGS, AND/OR APPURTENANCES REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM SHALL BE FURNISHED BY THE CONTRACTOR.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED MATERIALS INCLUDING ALL DIFFUSERS, GRILLES, AND REGISTERS.
8. BALANCE DAMPERS SHALL BE LOCATED AT BRANCH CONNECTION TO THE MAIN.
9. FLEXIBLE DUCTWORK IS LIMITED TO A MAXIMUM LENGTH OF 5 FEET, WITH NO SUPS, ELBOWS, OR TIGHT ELBOWS, AND ON SUPPLY DUCTWORK ONLY. FLEXIBLE DUCTWORK SHALL BE 1R INSULATED, 1QA-R900, AND LIGHT WEIGHT AIR DUCT, MANUFACTURED BY CONO SEMO SUFT ALUMINUM STRIP WINCH IS SPIRALLY WOUND AND MECHANICALLY JOINTS TOGETHER FORMING AN AIR TIGHT-LEAKPROOF TRIPLE LOCK SEAM. DUCT TO BE SELF-SUPPORTING AND CORROSIVE RESISTANT UL-181 CLASS 1 PRODUCTS, WITH A POLYETHYLENE VAPOR BARRIER. FLEXIBLE DUCTWORK TO BE LIKE ANYSTEEL UFC-605 (ACCUSTRAL) OR AN APPROVED EQUAL.
10. LABEL ALL THERMOSTATS, SENSORS, ETC AS TO WHAT THE DEVICE CONTROLS WITH AN ENGRAVED, PLASTIC LABEL. WARNINGS UNDER THE DEVICE.
11. PROVIDE NECK FLEXING ON RETURN AND EXHAUST GRILLES AS REQUIRED SEE DETAILS.
12. PROVIDE TURNING VANES IN ALL SQUARE ELBOWS SEE DETAILS.
13. FIRE STOP AROUND ALL WALL AND FLOOR PENETRATIONS.
14. EACH WAVE DUCT PASSING THROUGH FLOOR DEVICES SHALL BE FIRE DAMPERED.

PLAN NOTES:

1. ROOFTOP UNIT #1
2. SUPPLY/RETURN UP TO RTU-1-1.
3. SUPPLY/RETURN UP TO RTU-1-2.
4. SUPPLY/RETURN UP TO RTU-1-3.
5. SUPPLY/RETURN UP TO RTU-1-4.
6. SUPPLY/RETURN UP TO RTU-1-5.
7. SUPPLY/RETURN UP TO RTU-1-6.
8. SUPPLY/RETURN UP TO RTU-1-7.
9. SUPPLY/RETURN UP TO RTU-2-1.
10. SUPPLY/RETURN UP TO RTU-2-2.
11. SUPPLY/RETURN UP TO RTU-2-3.
12. SUPPLY/RETURN UP TO RTU-2-4.
13. SUPPLY/RETURN UP TO RTU-3-1.
14. SUPPLY/RETURN UP TO RTU-3-2.
15. SUPPLY/RETURN UP TO RTU-3-3.
16. SUPPLY/RETURN UP TO RTU-3-4.
17. SUPERVISORY SENSOR.
18. SUPPLY/RETURN UP TO RTU-3-5.
19. SUPPLY/RETURN UP TO RTU-3-6.
20. SUPPLY/RETURN UP TO RTU-3-7.
21. SUPPLY/RETURN UP TO RTU-3-8.
22. SUPPLY/RETURN UP TO RTU-3-9.
23. SUPPLY/RETURN UP TO RTU-3-10.
24. SUPPLY/RETURN UP TO RTU-3-11.
25. SUPPLY/RETURN UP TO RTU-3-12.
26. TERMINATION TYPE AND SWING DIAMETER.
27. [illegible]
28. [illegible]
29. [illegible]

[illegible]

ZAMPOLIN & ASSOCIATES
ARCHITECTS

[illegible]

ROBERT E. ZAMPOLIN, A.I.A.

[illegible]

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

[illegible]

REVISIONS

DATE	REV. BY	REV. #	DESCRIPTION / SUBMISSION
[illegible]	[illegible]	1	[illegible]
[illegible]	[illegible]	2	[illegible]

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

[illegible]

DRAWN BY:	[illegible]
REVIEWED BY:	[illegible]
PROJECT NUMBER:	[illegible]
SUBMITTED SET	DATE:
PERMIT SET	DATE: 11-15-06
RECORD SET	DATE:

THIRD FLOOR PLAN – HVAC

DRAWING NO.
M.103

(b)(7)(E)

ENERAL NOTES:

PLAN NOTES:

ROOF PLAN – HVAC
SCALE: 1/8" = 1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

ROOF PLAN – HVAC

M.104

ROOF TOP UNIT SCHEDULE

TAG	EVAPORATOR FAN CFM	E.S.P.	BHP	RPM	COOLING MBH TOTAL	COOLING MBH SENS.	EER	HEATING MBH INPUT	HEATING MBH OUTPUT	UNIT POWER VOLTAGE	MOP	POWER EXHAUST HP	POWER EXHAUST FLA	POWER EXHAUST VOLTAGE	APPROX. WEIGHT (lbs)	MANUFACTURER/ MODEL NO.	NOTES
RTU-1-1	2300	1.0"	1.7	808	91.0	63.2	8.5	87	58.6	58.3	11.0	220	180.4	460/3#	25	1	1.7	460/3#	1150	CARRIER/48HJF008	1
RTU-1-3	2800	1.0"	2.0	845	97.0	65.4	8.0	87	58.2	58.5	11.0	220	180.4	460/3#	25	1	1.7	460/3#	1150	CARRIER/48HJF008	1
RTU-1-5	3200	1.0"	2.2	885	101.2	68.9	8.0	87	58.7	58.3	10.8	220	180.4	460/3#	30	1	1.7	460/3#	1160	CARRIER/48HJF009	1
RTU-1-4	3400	1.0"	2.3	930	102.8	84.3	9.0	87	57.0	55.4	11.0	250	200	460/3#	30	2	3.3	460/3#	1310	CARRIER/48HJE012	1
RTU-1-5	4700	1.0"	3.7	1083	148.5	110.7	8.0	87	58.2	57.6	9.6	250	200	460/3#	40	2	3.3	460/3#	1330	CARRIER/48HJE014	1
RTU-1-6	3000	1.0"	2.2	885	101.2	68.9	8.0	87	58.7	58.3	10.8	220	180.4	460/3#	30	1	1.7	460/3#	1160	CARRIER/48HJF009	1
RTU-1-7	3500	1.0"	2.4	887	124.8	89.1	8.0	87	58.2	58.6	11.0	250	200	460/3#	30	2	3.3	460/3#	1310	CARRIER/48HJF013	1
RTU-1-8	2500	1.0"	1.7	808	91.0	63.2	8.5	87	58.8	58.3	11.0	220	180.4	460/3#	25	1	1.7	460/3#	1150	CARRIER/48HJF008	1
RTU-2-1	1270	1.0"	0.7	1028	50.02	31.5	8.5	71.1	60.8	58.8	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-2-2	1270	1.0"	0.7	1028	50.02	31.5	8.5	71.1	60.8	58.8	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-2-3	1270	1.0"	0.7	1028	50.02	31.5	8.5	71.1	60.8	58.8	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-2-4	2000	1.0"	1.5	1367	73.12	53.7	8.0	87.4	55.4	55.1	11.0	150	120	460/3#	20	1/2	1.1	460/3#	615	CARRIER/48HJF007	1
RTU-2-5	1270	1.0"	0.7	1028	50.09	31.16	8.4	71.2	60.9	58.9	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-2-6	1270	1.0"	0.7	1028	50.09	31.16	8.4	71.2	60.9	58.9	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-2-7	1270	1.0"	0.7	1028	50.09	31.16	8.4	71.2	60.9	58.9	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-2-8	2000	1.0"	1.5	1367	77.12	53.7	8.0	87.4	55.4	55.1	11.0	150	120	460/3#	20	1/2	1.1	460/3#	615	CARRIER/48HJF007	1
RTU-3-1	2140	1.0"	1.3	1376	78.69	52.28	8.3	89.8	57.8	57.4	11.0	150	120	460/3#	20	1/2	1.1	460/3#	615	CARRIER/48HJF007	1,3
RTU-3-2	1400	1.0"	0.9	1086	59.16	33.7	8.3	68.8	61.8	58.2	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-3-3	1200	1.0"	0.7	1038	46.33	31.34	8.4	70.2	56.8	57.8	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-3-4	2400	1.0"	2.1	1532	78.42	59.87	9.8	86.8	56.8	56.1	11.0	150	120	460/3#	20	1/2	1.1	460/3#	615	CARRIER/48HJF007	1
RTU-3-5	2100	1.0"	1.3	1225	66.32	44.08	8.3	70.1	60.8	59.2	13.0	150	120	460/3#	20	1/2	1.1	460/3#	360	CARRIER/48HJF006	1,2
RTU-3-6	1400	1.0"	0.9	1086	50.24	33.56	8.3	70.0	61.7	59.3	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,2
RTU-3-7	1300	1.0"	0.7	1028	49.26	31.56	8.4	70.1	59.8	57.7	13.0	150	120	460/3#	15	1/2	1.1	460/3#	540	CARRIER/48HJF005	1,3
RTU-3-8	2400	1.0"	2.1	1532	77.94	58.41	9.3	86.2	58.4	56.7	11.0	150	120	460/3#	20	1/2	1.1	460/3#	615	CARRIER/48HJF007	1

NOTES:
1. Gas/electric cabinet, single skin unit. Provide hail guard on condenser coil, unit mounted disconnect.
   Pre-fabricated manufacturer built economizer roof curb with solid bottom and vertically bowed economizer with power exhaust.
   Two (2) power connections are (1) to rtu and one (1) to power exhaust. Provide exhaust unit as required and per unit manufacturer.
2. See smoke control specifications. Power exhaust on this unit to have VFD.

SCHED19

EXHAUST FAN SCHEDULE – DIRECT DRIVE

TAG	FAN DATA CFM	E.S.P.	RPM SPEED	BHP	SONES	ELECTRICAL DATA HP	VOLTAGE	BHP	CONTROLLED BY:	MANUFACTURER/ MODEL NO.	NOTES
EF-1	450	0.375"	1300	0.4	5.4	1/8	120/1#	-	Time clock by EC. Wired by EC	PENN/DX13D	1
EF-2	700	0.375"	1284	1.726	8.5	1/5	120/1#	-	Thermostat by MC. Wired by EC	PENN/DX110	1
EF-3	1475	0.375"	1650	1350	8.7	1/2	120/1#	-	Time clock by EC. Wired by EC	PENN/DX18S	1
EF-4	1475	0.375"	1650	1300	8.7	1/2	120/1#	-	Time clock by EC. Wired by EC	PENN/DX18S	1
EF-5	1475	0.375"	1650	1300	8.7	1/2	120/1#	-	Time clock by EC. Wired by EC	PENN/DX18S	1
EF-6	450	0.375"	1650	1300	8.7	1/8	120/1#	-	Time clock by EC. Wired by EC	PENN/DX18S	1
EF-7	450	0.375"	2836	1185	---	1/8	120/1#	-	Time clock by EC. Wired by EC	PENN/DX355TA	3
EF-8	450	0.375"	2836	1185	---	1/8	120/1#	-	Time clock by EC. Wired by EC	PENN/DX355TA	3

NOTES:
1. Unit Mounted Disconnect, Speed Controller, Backdraft Damper, Birdscreen and Insulated Roof Curb.
2. PROVIDE WITH EXISTS FAN SPEED CONTROL VFD AND FIT SR SENSOR.
3. Unit Mounted Disconnect, Speed Controller, Backdraft Damper.

SCHED4C

SUPPLY FAN SCHEDULE

TAG	FAN DATA CFM	E.S.P.	TOP SPEED	RPM	SONES	HP	MOTOR DATA VOLTAGE	PHASE	MANUFACTURER/ MODEL NO.	NOTES
SF-1	4000	0.25"	1634	720	13.5	1/2	120/1/60	--	JENCOFAN HBR530-1/2	1,2
SF-2	4000	0.25"	1634	756	15.5	1/2	120/1/60	--	JENCOFAN HBR530-1/2	1,2
SF-3	4000	0.25"	1634	1350	18.4	1/2	120/1/60	.33	JENCOFAN SF324-1/2	1,2
SF-4	4000	0.25"	1634	1720	18.4	1/2	120/1/60	.33	JENCOFAN SF324-1/2	1,2

NOTES:
1. Supply air fan. Balance fan to maintain space pressure to 0.15" WC minimum.
2. Unit Mounted Disconnect, Backdraft Damper, Birdscreen, Roof Mount, & Fit. Sheave Kit.

GRILLE AND DIFFUSER SCHEDULE

PLAN SYMBOL: TAG / CFM Value at SP/Low/Register

TAG	MAXIMUM CFM	MAX N.C.	NECK SIZE	NECK DAMPER (Y/N)	MANUFACTURER/ MODEL NO.	REMARKS	NOTES
A	400	23	6"ø	N	ANEMOSTAT PDF-411A4	SUPPLY, SURFACE	1,2
B	135	23	6"ø	N	ANEMOSTAT PDF-511A4	SUPPLY, SURFACE	1,2
C	385	23	8"ø	N	ANEMOSTAT PDF-811A4	SUPPLY, SURFACE	1,5
D	385	30	10"ø	N	ANEMOSTAT PDF-1022A4	SUPPLY, SURFACE	1,3
E	530	23	12"ø	N	ANEMOSTAT PDF-1222A4	SUPPLY, SURFACE	1,3
F	450	24	10" X 10"	N	ANEMOSTAT 3F	RETURN, SURFACE	1,4
G	950	24	14" X 14"	N	ANEMOSTAT 3F	RETURN, SURFACE	1,4
H	1400	24	18" X 18"	N	ANEMOSTAT 3F	RETURN, SURFACE	1,4
I	135	20	6"ø	N	ANEMOSTAT PSL-622A4	SUPPLY, LAY-IN	1,3
K	285	23	8"ø	N	ANEMOSTAT PSL-822A4	SUPPLY, LAY-IN	1,3
L	380	20	10"ø	N	ANEMOSTAT PSL-1022A4	SUPPLY, LAY-IN	1,3
M	530	23	12"ø	N	ANEMOSTAT PSL-1222A4	SUPPLY, LAY-IN	1,3
N	900	24	15" x 22"	N	ANEMOSTAT 3FL	RETURN, LAY-IN	1,4
P	1400	24	23" X 22"	N	ANEMOSTAT 3FL	RETURN, LAY-IN	1,4
Q	150	24	5" X 6"	N	ANEMOSTAT 3F	EXHAUST, SURFACE	1,4
R	550	24	12" X 12"	N	ANEMOSTAT 3F	EXHAUST, SURFACE	1,4
S	550	24	12" X 12"	N	ANEMOSTAT 523H	SUPPLY, SURFACE	1,4
T	4000	30	24" X 24"	N	ANEMOSTAT 2H	SUPPLY, SURFACE	1,6
U	4000	30	48" X 20"	N	ANEMOSTAT 3F	RELIEF, SURFACE	1,4

GENERAL NOTES:
A. Maximum N.C. values are based on Octave Band 1 through 8 sound power levels minus a room absorption of 10dB, re 10 to the -12 Watts.
B. Verify border requirements with all applicable architectural sheets, reflected ceiling plans, and room finish schedules.
C. All grilles, registers, and diffusers shall have visible sheet metal and backpans painted flat black behind face.
D. Provide square to round transitions by Manufacturer, as required. Also see Plans.
E. Provide cable operated damper for inaccessible ceiling area.

SPECIFIC NOTES:
1. Provide baked enamel finish. Color as selected by Architect.
3. 12"x 12" Plaque diffuser 9" face with 1/8" drop with 4-way throw.
4. 24"x 24" Plaque diffuser 18" face with 1/8" drop with 4-way throw.
4. Perforated face grille or register.
5. 12"x 12" Plaque diffuser 9" face with 1/2" drop with 4-way throw.
6. Supply grille with 8/4" louver spacing.

SCHED.2

CABINET HEATER SCHEDULE

TAG	CFM	-	MBH OUTPUT	WATTS	VOLTAGE	F.L.A.	MANUFACTURER/ MODEL NO.	NOTES
CH-1	100	-	12.3	Misc	208/1#	17.3	QMARK #WH-4524	ALL
CH-2	100	-	12.3	Misc	208/1#	17.3	QMARK #WH-4524	ALL
CH-3	100	-	12.3	Misc	208/1#	17.3	QMARK #WH-4524	ALL

NOTES:
1. Unit to be semi-recessed in wall, provide box all as required. Unit and mounted equipment, control transformer, and thermostat. Color as selected by architect.

(b)(7)(E)

(b)(7)(E)

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CO	304-001	NH	7341
CT	670	NY	073738
DE	RA-0001687	ON	8767
FL	AR-12679	PA	RA-016611
GU	AR-164481	RI	3855
IL	001-01119	TX	19474
IN	CP001171	VA	3331
KY	3395	VT	3433
MA	NR	WY	C-934
MD	M933		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

DATE	REV BY	REV #	REVISIONS / SUBMISSIONS
1-13-20	HP	1	PERMIT REVISIONS
3-20-20	HP	2	PERMIT REVISIONS
4-20-20	HP	3	PERMIT REVISIONS

FOR CONSTRUCTION
4/20/20

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY:	HP
REVIEWED BY:	ZMP
PROJECT NUMBER:	2002
PRELIMINARY SET	DATE:
PERMITS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-01-19
REVISED SET	DATE:

SCHEDULES
HVAC

DRAWING NO.
M.201

(b)(7)(E)

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CT	670	UT	453758
DE	S1-0007582	VA	0787
FL	AR-12575	WA	9A-20041-5
ID	AR-10456	WI	6553
IL	001-012175	TX	15454
IN	10000771	VA	0307
KY	7595	VT	3433
MA	105	DY	C-755
MD	12453		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

DATE	REV. BY	REV. #	REVISIONS / SUBMISSION
4.20.07	AR	1	AS PER ALLIED COMM.

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

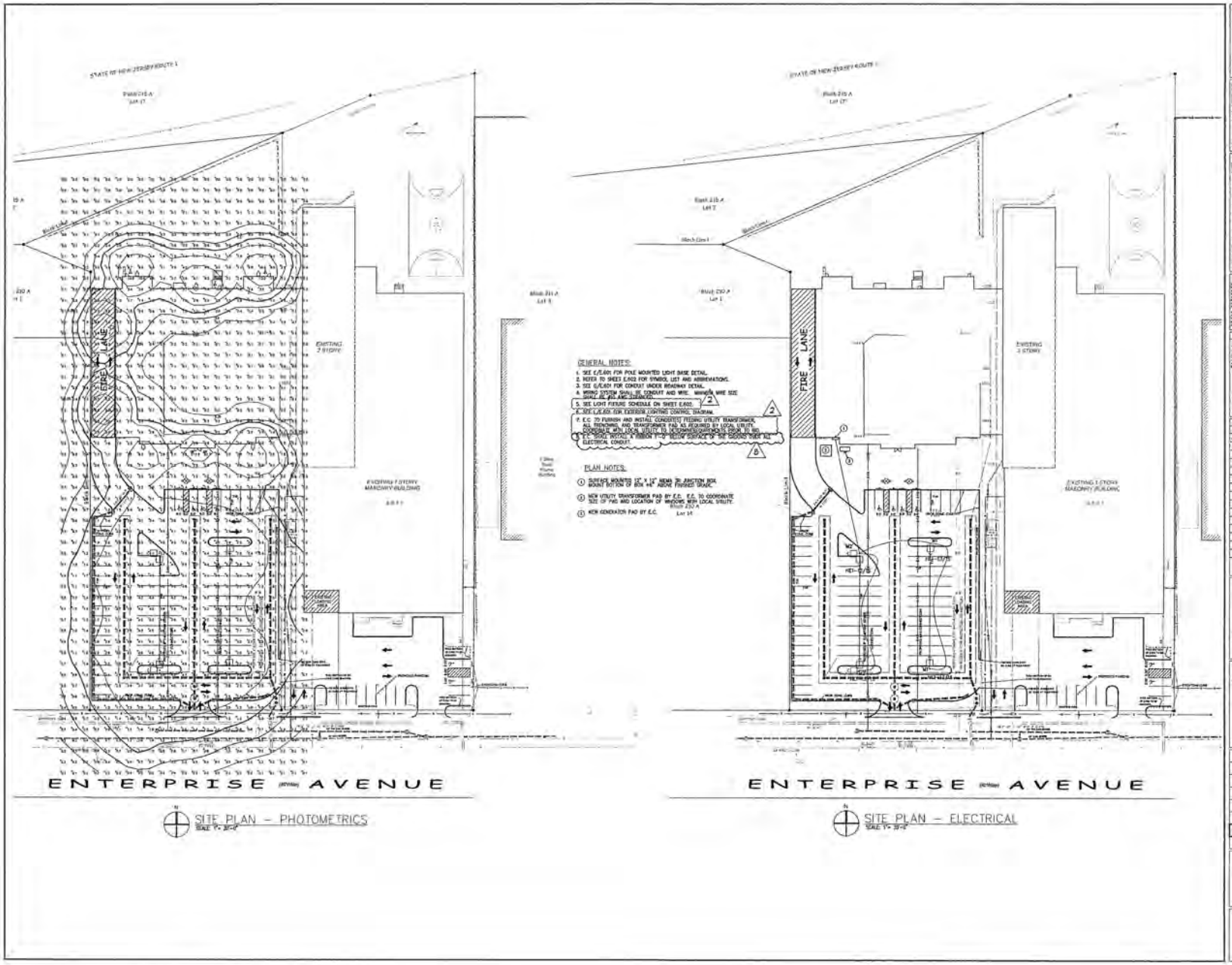
PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

TRENTON, NEW JERSEY

DRAWN BY:	AR
REVIEWED BY:	EEZ
PROJECT NUMBER:	2002
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-01-06
VISTAR SET	DATE:

DETAILS
HVAC

DRAWING NO.
M.301



ZAMPOLIN & ASSOCIATES ARCHITECTS

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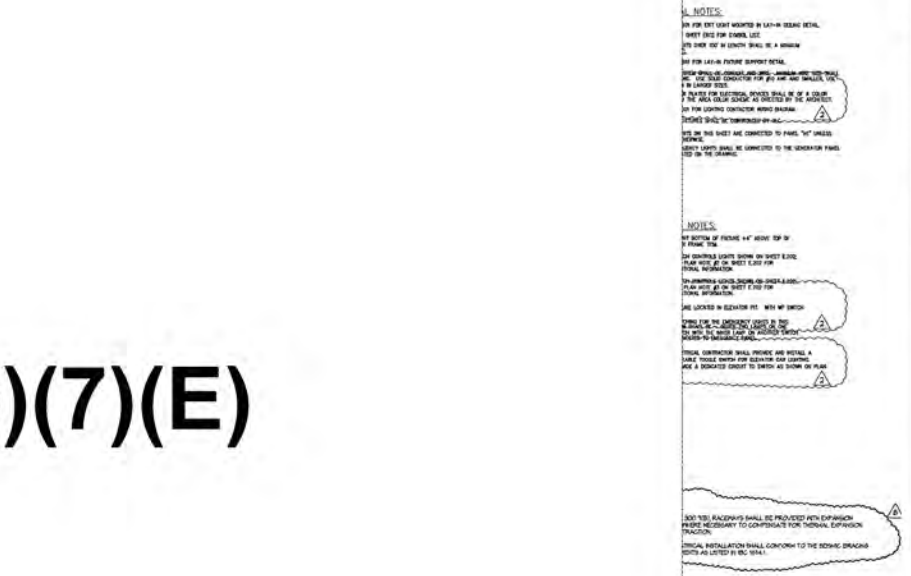
COMMUNITY EDUCATION CENTERS

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

ELECTRICAL SITE PLANS

E.101

(b)(7)(E)



FIRST FLOOR PLAN – LIGHTING

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

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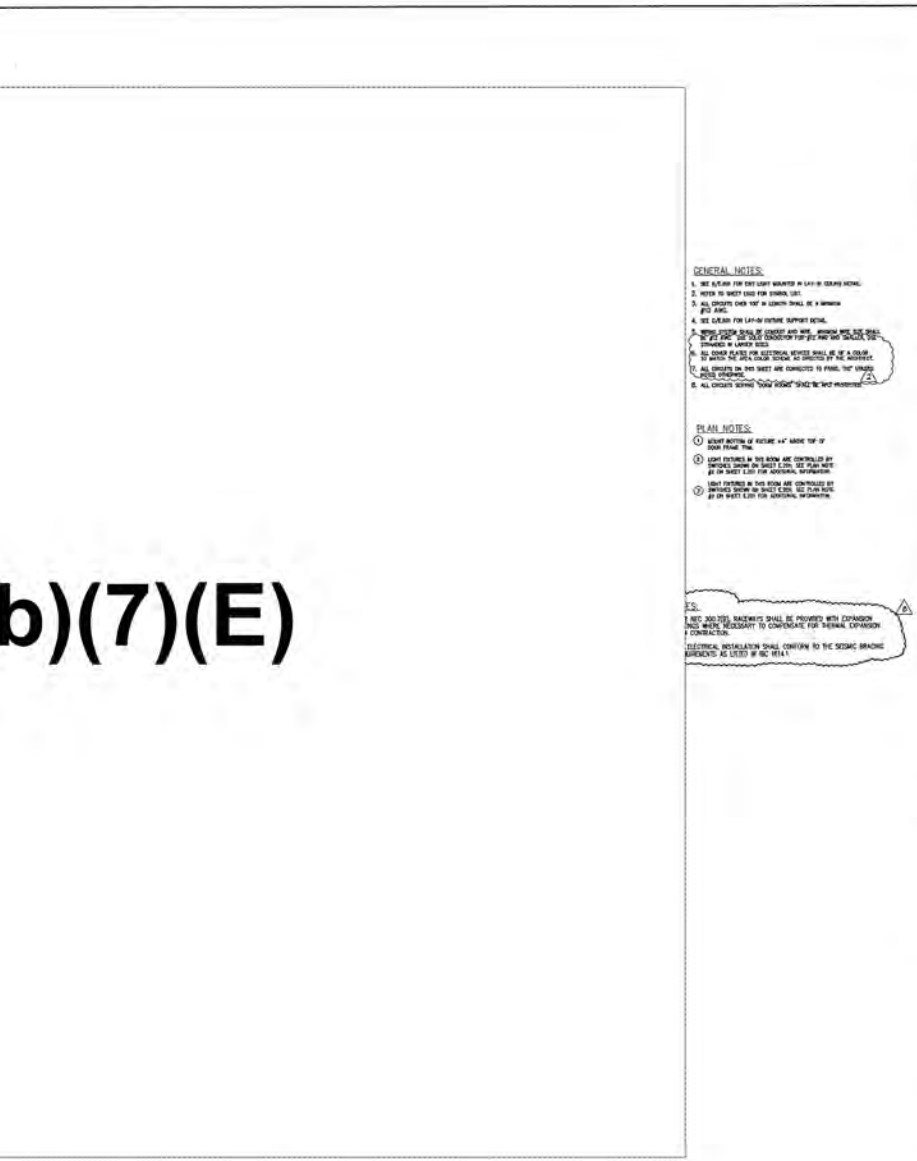
FIRST FLOOR PLAN – LIGHTING

E.201

(b)(7)(E)



GENERAL NOTES:

1. SEE E/LEAN FOR EXIT LIGHT MOUNTED IN LAY-IN CEILING METAL.
2. REFER TO SHEET E002 FOR SYMBOL LIST.
3. ALL CIRCUITS OVER 100' IN LENGTH SHALL BE A MINIMUM #10 AWG.
4. SEE E/LEAN FOR LAY-IN FIXTURE SUPPORT DETAIL.
5. [illegible] SHALL CONSIST OF #12 AWG CONDUIT AND WIRE. GROUND WIRE SHALL BE #12 AWG GREEN COLOR CONDUCTOR FOR #10 AWG AND SMALLER. SIZE STRANDED IN LARGER SIZES.
6. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE WALL COLOR SCHEME AS DIRECTED BY THE ARCHITECT.
7. ALL CIRCUITS ON THIS SHEET ARE CONNECTED TO PANEL 'TNT' UNLESS NOTED OTHERWISE.
8. ALL CIRCUITS SERVING "EMERGENCY" SHALL BE "RED" [illegible]

PLAN NOTES:

1. LIGHT BOTTOM OF FIXTURE +4" ABOVE TOP OF DOOR FRAME TRIM.
2. LIGHT FIXTURES IN THIS ROOM ARE CONTROLLED BY SWITCHES SHOWN ON SHEET E.201. SEE PLAN NOTE #2 ON SHEET E.201 FOR ADDITIONAL INFORMATION.
3. LIGHT FIXTURES IN THIS ROOM ARE CONTROLLED BY SWITCHES SHOWN ON SHEET E.201. SEE PLAN NOTE #2 ON SHEET E.201 FOR ADDITIONAL INFORMATION.

ES:

1. NEC 300.19(B), RACEWAYS SHALL BE PROVIDED WITH EXPANSION [illegible] WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION & CONTRACTION.
2. ELECTRICAL INSTALLATION SHALL CONFORM TO THE SEISMIC BRACING [illegible] AS LISTED IN ISC 1614.1

SECOND FLOOR PLAN – LIGHTING
SCALE: 1/8" = 1'-0"

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DE	S5-0000166	OH	25167
FL	AR-12570	PA	RA-070661-R
ID	AR-16406	SC	2053
IL	001-21272	TX	7582
IN	10000171	VA	0221
KY	9385	VT	2433
TN	556	WY	C-1731
WC	10751		

CONSULTANT
DESIGN – AIRE ENGINEERING, INC.

DATE	REV. BY	REV. #	REVISIONS / SUBMISSION

FOR CONSTRUCTION
4/20/07

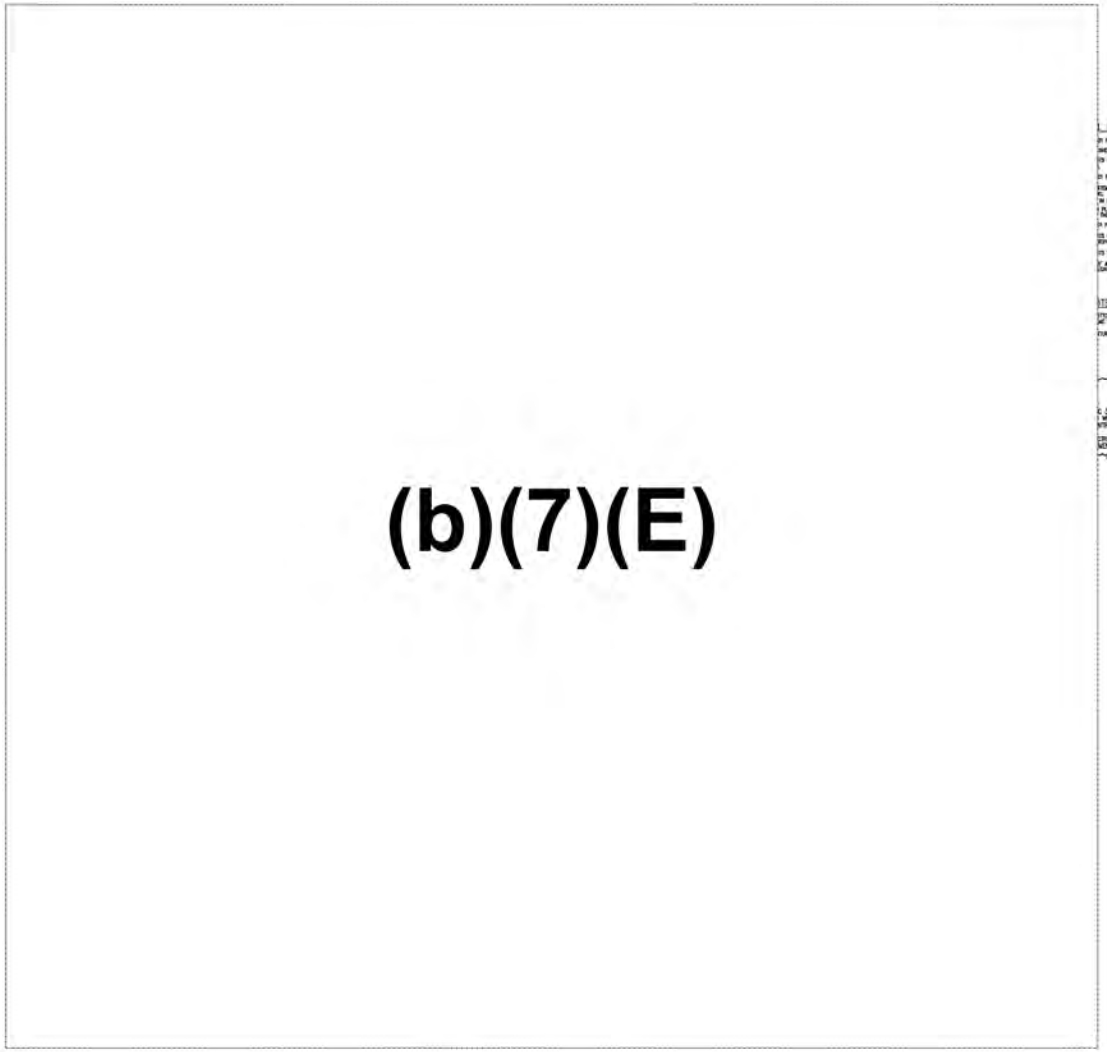
COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER
NEWTON, NEW JERSEY

DRAWN BY	THB
REVIEWED BY	CBS
PROJECT NUMBER	0603
SCHEMATIC SET	DATE:
PRICING SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-20-06
RECORD SET	DATE:

SECOND FLOOR PLAN – LIGHTING

DRAWING NO.
E.202



THIRD FLOOR PLAN – LIGHTING
SCALE: 1/8" = 1'-0"

NOTES:

KEYNOTES:

FOR CONSTRUCTION
4/20/07

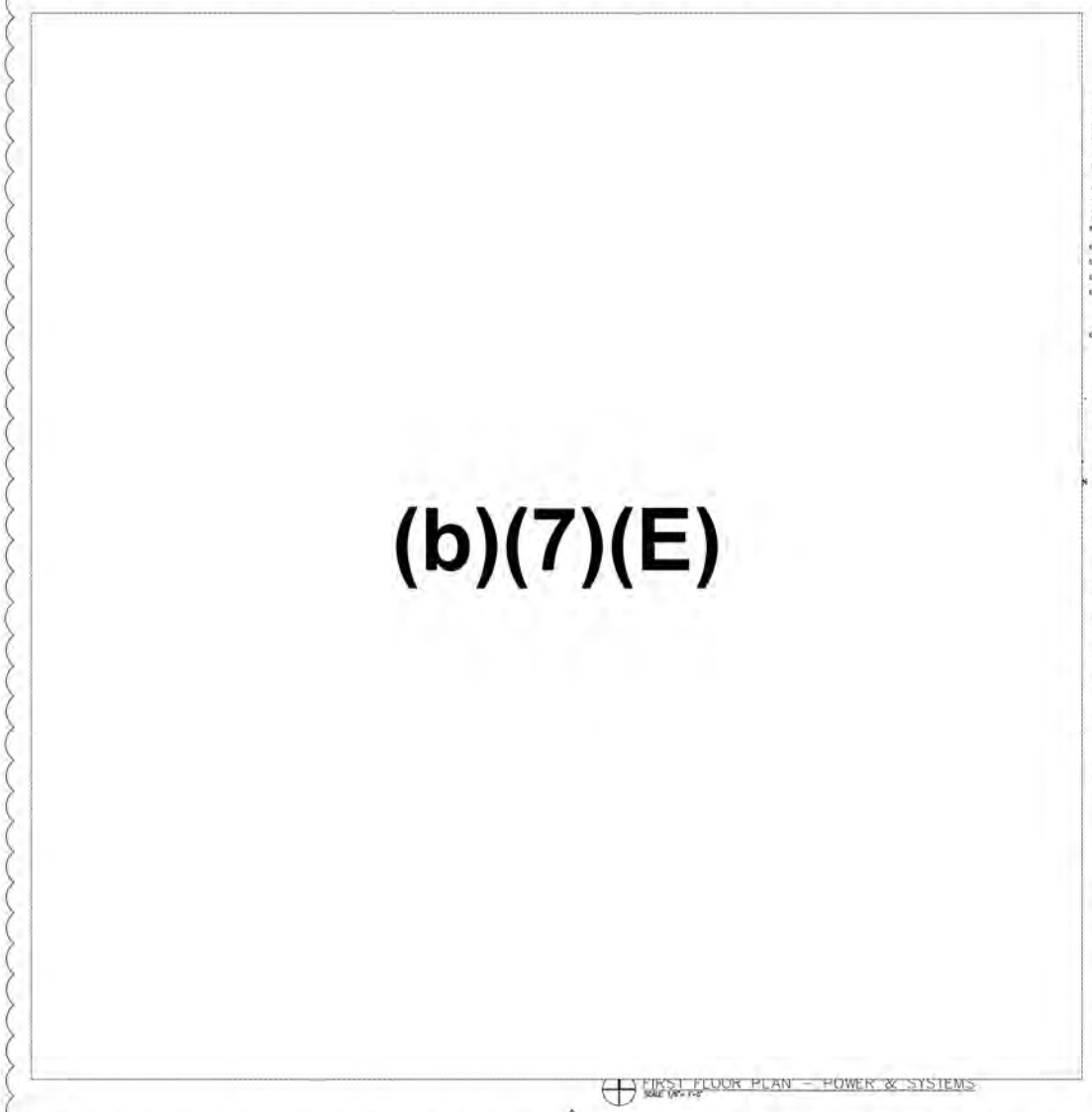
COMMUNITY EDUCATION CENTERS

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

THIRD FLOOR PLAN – LIGHTING

E.203

(b)(7)(E)



FIRST FLOOR PLAN – POWER & SYSTEMS
SCALE: 1/8"= 1'-0"

NOTES:
1. PER NEC 300.7(A), RACEWAYS SHALL BE PROVIDED WITH EXPANSION FITTINGS, WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION.
2. ALL ELECTRICAL INSTALLATION SHALL CONFORM TO THE SEISMIC BRACING REQUIREMENTS AS LISTED IN IBC 1614.1.
3. JUNCTION BOXES SHOWN ON A COMMON WALL ON A 1HR RATED WALL MUST BE A MINIMUM OF 24" FROM EACH OTHER PER NEC AND IBC 703.2.
4. ALL MANUAL FIRE ALARM BOXES SHALL HAVE PROTECTIVE COVERS PER NJ IBC 907.3.5

GENERAL NOTES:
1. SEE E/1.001 FOR THERMOSTAT FEED TO INTERIOR WALL OUTLET DETAIL.
2. REFER TO SHEET E.402 FOR SYMBOL LIST.
3. ALL CIRCUITS OVER 100' IN LENGTH SHALL BE #10AWG MIN. #12 AWG.
4. SEE E/1.001 FOR WALL/BARN OUTLET MOUNTING DETAIL.
5. WIRING SYSTEM SHALL BE COPPER AND MIN. #12AWG. #10AWG WIRE SIZE SHALL BE #12 AWG. LINE SIZED CONDUCTOR FOR #10 AWG AND SMALLER, USE STRANDED IN LARGER SIZES.
6. ALL DEVICE PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE WALL COLOR SCHEME AS SPECIFIED BY THE ARCHITECT.
7. SEE E/1.001 FOR TYPICAL WATER COOLER CONNECTION DETAIL.
8. SEE E/1.001 FOR TV OUTLET DETAIL.
9. SEE EMC-1 LINE DIAGRAM ON SHEET E.400 FOR ADDITIONAL INFORMATION.
10. ALL CIRCUITS ON THIS SHEET ARE CONNECTED TO PANEL "LH" UNLESS NOTED OTHERWISE.
11. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE, LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK BY SAID SYSTEMS.
12. E.C. SHALL BE COMPLETE ALL EQUIPMENT FURNISHED BY OTHERS. COORDINATE LOCATIONS AND REQUIREMENTS WITH ALL PLANS.
13. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
14. CONDUIT SHALL BE OF SIZES NOTED ON THE PLANS OR REQUIRED BY THE NEC, WHICHEVER IS LARGER. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE. CONDUIT SIZE NOTED ON PLANS ARE MINIMUM SIZES. WHERE MORE THAN ONE CONDUCTOR IS INSTALLED IN A CONDUIT, THE CONDUIT SIZE SHALL BE INCREASED ABOVE THE SIZE NOTED ON THE PLANS AS REQUIRED BY THE NEC. CONDUIT SIZE SHALL BE 3/4" SPARE SIZE CONDUIT PROVIDED WHERE NEC REQUIRES EXPANSION FITTINGS TO INSTALL SAME AND AT THE ENDS OF EMPTY 3/4" BRANCH CIRCUIT CONDUIT RUN. HOME RUNS OF THREE (3) OR MORE BRANCH CIRCUITS SHALL HAVE 3/4" AS A MINIMUM.
15. ALL TELE-DATA AND TELEPHONE RECEPTACLES ALL BE WIRED BY THE E.C. (SPARE CONDUCTOR REQUIREMENTS WITH ARCHITECT PRIOR TO BID)

PLAN NOTES:
(1) 100A-3P, 40AA 3R DISCONNECT SWITCH WITH SMART TRIP CONTROL, COORDINATE WITH ELEVATOR CONTROLLER. FUSE PER ELEVATOR MANUFACTURERS RECOMMENDATION.
(2) RECEPTACLE LOCATED IN ELEVATOR PIT.
(3) MOUNT CENTER OF DEVICE +6'-0" A.F.F.
(4) MOUNT BOTTOM OF DEVICE +7' ABOVE TOP OF COUNTERTOP BACKSPLASH.
(5) 4' X 8', 2U" PLYWOOD WITH TWO COATS OF LIGHT COLORED FIRE RETARDANT PAINT.
(6) 1-#1/0, 1-#3GND, 1-1/2"C.
(7) (3)-4" CONDUITS UNDER SLAB TO UTILITY TRANSFORMER. SEE M/E/A20 FOR CONDUIT DUCT BANK DETAIL. ALL ELBOWS IN DUCT BANK SHALL BE GALVANIZED RIGID CONDUIT.
(8) (2)-3" CONDUITS UNDER SLAB TO TELEPHONE INTERFACE PANEL. ALL ELBOWS IN DUCT BANK SHALL BE GALVANIZED RIGID CONDUIT. SEE M/E/A20 FOR CONDUIT DUCT BANK DETAIL.
(9) (3)-3" CONDUIT UNDER SLAB TO SITE LIGHTING JUNCTION BOX. ALL ELBOWS IN DUCT BANK SHALL BE GALVANIZED RIGID CONDUIT. SEE M/E/A20 FOR CONDUIT DUCT BANK DETAIL.
(10) FIREMAN'S PHONE
(11) (2)-4" CONDUITS UNDER SLAB TO GENERATOR. SEE M/E/A20 FOR CONDUIT DUCT BANK DETAIL. ALL ELBOWS IN DUCT BANK SHALL BE GALVANIZED RIGID CONDUIT.
(12) 30A-3P, 40AA 1, NON-FUSED DISCONNECT SWITCH.
(13) EQUIPMENT FURNISHED BY M.C., INSTALLED BY E.C.
(14) DEDICATED RECEPTACLE FOR ELEVATOR EQUIPMENT USE. MOUNT +4'-0" A.F.F.
(15) DEDICATED #20AWG-4R FOR ELEVATOR CAB PHONE LINE. MOUNT +6'-0" A.F.F.
(16) E.C. TO FURNISH AND INSTALL J-BOX WITH 3/4" CONDUIT & SECURITY CONTROL CONDUCTORS AS REQUIRED BY SECURITY CONTRACTOR FOR SECURITY DEVICE. ROUTE CONDUIT & CONDUCTORS BACK TO CONTROL CENTER #104. VERIFY FINAL LOCATION IN FIELD WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN. TERMINATIONS BY SECURITY CONTRACTOR.
(17) E.C. TO FURNISH AND INSTALL J-BOX WITH 3/4" CONDUIT & SECURITY SYSTEM CONTROL CONDUCTORS AS REQUIRED BY SECURITY CONTRACTOR FOR SECURITY DEVICE. ROUTE CONDUIT & CONDUCTORS BACK TO CONTROL CENTER #104. VERIFY FINAL LOCATION IN FIELD WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN. SEE M/E/A20 FOR DOOR STRIKE CONDUIT ENTRY DETAIL. TERMINATIONS BY SECURITY CONTRACTOR.
(18) MOUNT DEVICE ABOVE CEILING FOR ACCESS SYSTEM POWER SUPPLY. VERIFY FINAL LOCATION WITH OWNER IN FIELD PRIOR TO ROUGH-IN.
(19) STAND PRESSURIZATION PANEL FOR FIRE DEPARTMENT.

LEGEND

SYMBOL	DESCRIPTION
PTZ	PAN TILT ZOOM DOME INDOOR (ALL TO BE G.E. INTERLOGIC)
F	FIXED DOME CAMERA (ALL TO BE G.E. INTERLOGICS)
PTZ	PAN TILT DOME CAMERA (ALL TO BE G.E. INTERLOGICS)
F	FIXED DOME CAMERA TALL TO BE G.E. INTERLOGICS) (W = EXTERIOR USE)
PTZ	PAN TILT DOME CAMERA (ALL TO BE G.E. INTERLOGICS) (W = EXTERIOR USE)
S	SPEAKER
	OUTDOOR LOUDSPEAKER
I	INTERCOM STATION (INTEGRATED TO P.B.X. BY COMTEC 920-749-2840 EXT. 103)
K	KEY CONTROLLED FOR DOOR STRIKE
CR	CARD READER (INTEGRATED TO P.B.X. BY COMTEC 920-749-2840 EXT. 103)
E	ELECTRIC CONTROL FOR DOOR STRIKE
	FULL HEIGHT TURNSTILE (MANUFACTURER ALVARADO AVAILABLE THROUGH DESIGN PRODUCT GROUP 908-907-3883)
	PANIC BUTTON
	DOOR POSITION SWITCH
	SALLY PORT

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CO	30668	NM	12617
CT	#731	NY	027750
DE	RA-0009680	OH	45567
FL	AR-15975	PA	RA-070440-E
ID	AR-10482	SC	8553
IL	001-031191	TN	76454
IN	10000977	VA	0207
KY	29891	VT	3401
MA	986	WY	2-1733
MD	12892		

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CONSULTANT:
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

DATE	REV. BY	NO.	DESCRIPTION / SUBMISSION
07/06/06	TMB	1	ADDENDUM #1 PWS, PWSP
08/28/06	TMB	2	ADDENDUM #2
11/16/06	TMB	3	PWS BULLETIN SHEET REVISIONS
12/20/06	TMB	4	PWS BULLETIN #3 REVISIONS

FOR CONSTRUCTION
4/20/07

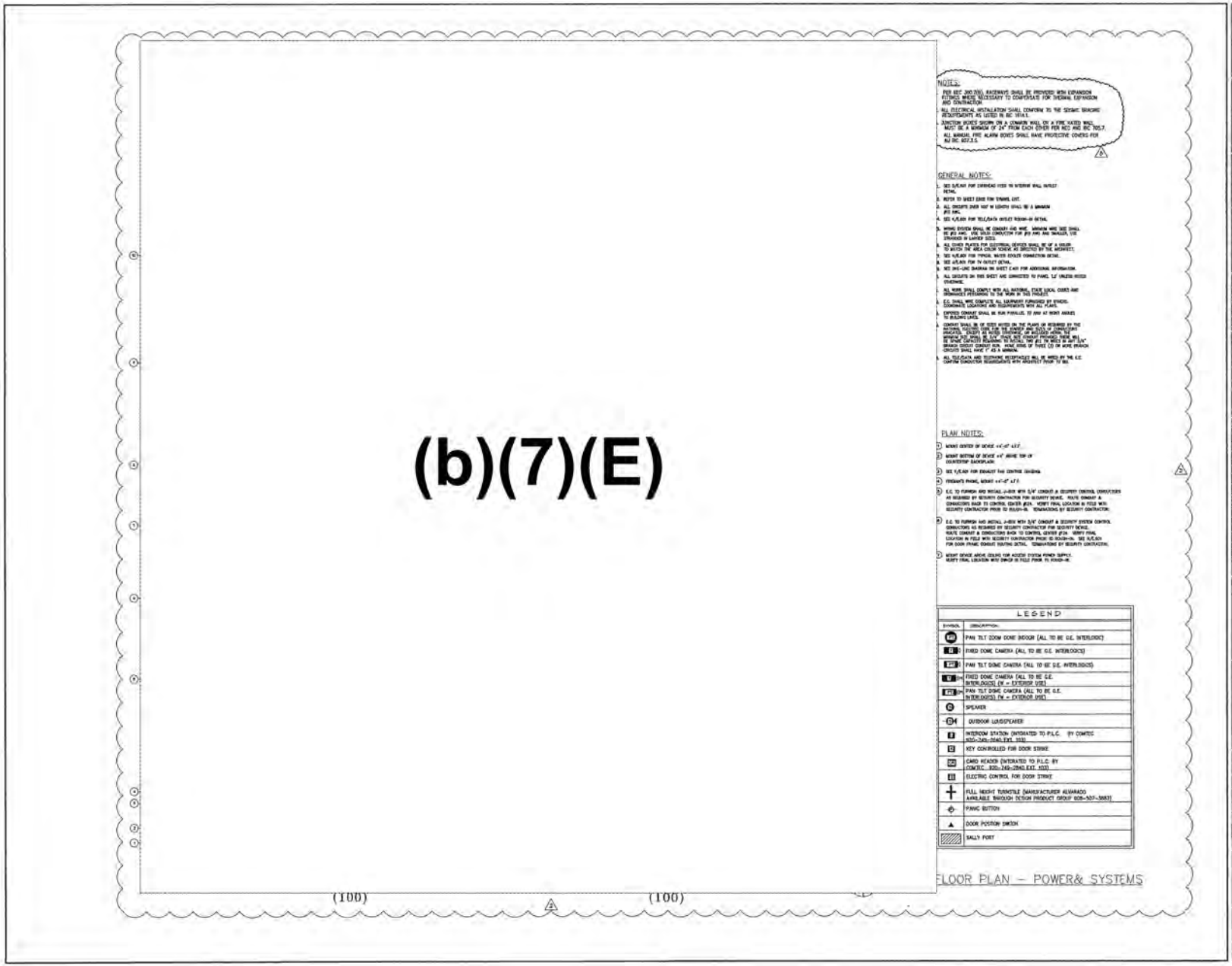
COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER
STATION, NEW JERSEY

DRAWN BY:	TMB
REVIEWED BY:	EEZ
PROJECT NUMBER:	05002
CONCEPTUAL SET	DATE:
PRELIMINARY SET	DATE:
90% SET	DATE:
PERMIT SET	DATE: 11-01-06
BIDDING SET	DATE:

FIRST FLOOR PLAN – POWER & SYSTEMS

DRAWING NO.
E.204



(b)(7)(E)

NOTES:

1. PER NEC 300.7(B), RACEWAYS SHALL BE PROVIDED WITH EXPANSION FITTINGS WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION.
2. ALL ELECTRICAL INSTALLATION SHALL CONFORM TO THE SEISMIC BRACING REQUIREMENTS AS LISTED IN EC 16141.
3. JUNCTION BOXES SHOWN ON A COMMON WALL OR A FIRE RATED WALL MUST BE A MINIMUM OF 24" FROM EACH OTHER PER NEC AND IEC 705.7
4. ALL BRANCH, FIRE ALARM BOXES SHALL HAVE PROTECTIVE COVERS PER NJ IEC 807.3.3.

GENERAL NOTES:

1. SEE E/E.601 FOR OVERHEAD FEED TO INTERIOR WALL OUTLET DETAIL.
2. REFER TO SHEET E.602 FOR SYMBOL LIST.
3. ALL CIRCUITS OVER 100' IN LENGTH SHALL BE A MINIMUM #10 AWG.
4. SEE E/E.601 FOR TELE/DATA OUTLET BOX/CONDUIT DETAIL.
5. WHERE SYSTEM SHALL BE CONDUIT AND WIRE. MINIMUM WIRE SIZE SHALL BE #12 AWG. USE SOLID CONDUCTOR FOR #10 AWG AND SMALLER, USE STRANDED IN LARGER SIZES.
6. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE ARCHITECT.
7. SEE E/E.601 FOR TYPICAL WATER COOLER CONNECTION DETAIL.
8. SEE E/E.601 FOR TV OUTLET DETAIL.
9. SEE ONE-LINE DIAGRAM ON SHEET E.601 FOR ADDITIONAL INFORMATION.
10. ALL CIRCUITS ON THIS SHEET ARE CONNECTED TO PANEL 'LP' UNLESS NOTED OTHERWISE.
11. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE, LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
12. E.C. SHALL NOT COMPLETE ALL EQUIPMENT PURCHASED BY OTHERS. COORDINATE LOCATIONS AND REQUIREMENTS WITH ALL PLANS.
13. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
14. CONDUIT SHALL BE OF SIZES NOTED ON THE PLANS OR REQUIRED BY THE NATIONAL ELECTRIC CODE FOR THE NUMBER AND SIZES OF CONDUCTORS INDICATED, WHICHEVER IS LARGER. CONDUIT SHALL BE A MINIMUM OF 3/4" TRADE SIZE. ALL BRANCH CIRCUIT CONDUIT RUNS SHALL BE SIZED FOR NOT LESS THAN 30% SPARE CAPACITY FOLLOWING TO INSTALL TWO #12 THWN WIRES IN ANY 3/4" BRANCH CIRCUIT CONDUIT RUN. HOME RUNS OF THREE (3) OR MORE BRANCH CIRCUITS SHALL HAVE 1" AS A MINIMUM.
15. ALL TELEVISION AND TELEPHONE RECEPTACLES WILL BE WIRED BY THE E.C. SYSTEM CONTRACTOR RESPONSIBLE WITH ARCHITECT PRIOR TO BID.

PLAN NOTES:

1. MOUNT BOTTOM OF DEVICE +4" ABOVE TOP OF COUNTERTOP BACKSPLASH.
2. MOUNT DOME ABOVE CEILING FOR ACCESS SYSTEM POWER SUPPLY. VERIFY FINAL LOCATION WITH OWNER IN FIELD PRIOR TO ROUGH-IN.
3. MOUNT CENTER OF DEVICE +4'-0" A.F.F.
4. PHYSICIAN'S PHONE, MOUNT +4'-0" A.F.F.
5. E.C. TO FURNISH AND INSTALL J-BOX WITH 3/4" CONDUIT & SECURITY CONTROL CONDUCTORS AS REQUIRED BY SECURITY CONTRACTOR FOR SECURITY DEVICE. ROUTE CONDUIT & CONDUCTORS BACK TO CONTROL CENTER (FOR VERIFY FINAL LOCATION IN FIELD WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN. TERMINATIONS BY SECURITY CONTRACTOR.
6. E.C. TO FURNISH AND INSTALL J-BOX WITH 3/4" CONDUIT & SECURITY SYSTEM CONTROL CONDUCTORS AS REQUIRED BY SECURITY CONTRACTOR FOR SECURITY DEVICE. ROUTE CONDUIT IN CONDUCTORS BACK TO CONTROL CENTER (FOR VERIFY FINAL LOCATION IN FIELD WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN. SEE E/E.601 FOR DOOR FRAME CONDUIT ROUTING DETAIL. TERMINATIONS BY SECURITY CONTRACTOR.
7. MOUNT DOME ABOVE CEILING FOR ACCESS SYSTEM POWER SUPPLY. VERIFY FINAL LOCATION WITH OWNER IN FIELD PRIOR TO ROUGH-IN.

LEGEND

SYMBOL	DESCRIPTION
PTZ	PAN TILT ZOOM DOME INDOOR (ALL TO BE G.E. INTERLOGIC)
FD	FIXED DOME CAMERA (ALL TO BE G.E. INTERLOGICS)
PTZ	PAN TILT DOME CAMERA (ALL TO BE G.E. INTERLOGICS)
FD EXT	FIXED DOME CAMERA (ALL TO BE G.E. INTERLOGICS) (EXT = EXTERIOR USE)
PTZ EXT	PAN TILT DOME CAMERA (ALL TO BE G.E. INTERLOGICS) (EXT = EXTERIOR USE)
S	SPEAKER
OS	OUTDOOR LOUDSPEAKER
I	INTERCOM STATION (INTEGRATED TO P.L.C. BY CONTEC. 570-748-2840 EXT. 1033)
K	KEY CONTROLLED FOR DOOR STRIKE
CR	CARD READER (INTEGRATED TO P.L.C. BY CONTEC. 570-748-2840 EXT. 1033)
E	ELECTRIC CONTROL FOR DOOR STRIKE
	FULL HEIGHT TURNSTILE (MANUFACTURER ALVARADO AVAILABLE THROUGH DESIGN PRODUCT GROUP 905-527-5851)
	PANIC BUTTON
	DOOR POSITION SWITCH
	SALLY PORT

THIRD FLOOR PLAN - POWER& SYSTEMS
SCALE: 1/8"=1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

DATE	REV BY	REV #	REVISIONS / SUBMISSION
		1	
		2	
4/20/07		3	

FOR CONSTRUCTION 4/20/07

COMMUNITY EDUCATION CENTERS

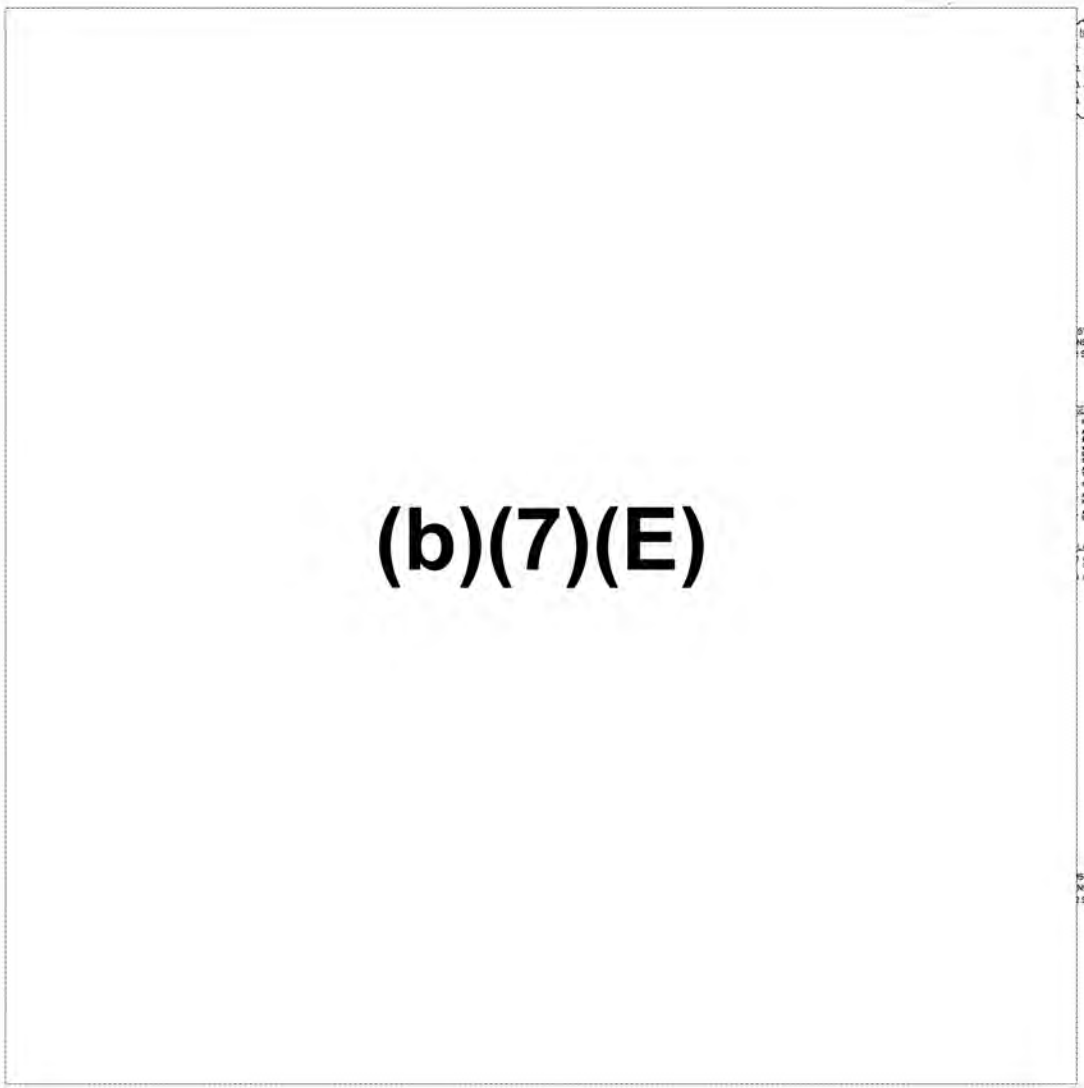
PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY	
REVIEWED BY	
PROJECT NUMBER	
SUBMITTED TO	DATE
PERMITS TO	DATE
BID TO	DATE
ISSUED TO	DATE 11-05-08
BIDDING TO	DATE

THIRD FLOOR PLAN - POWER & SYSTEMS

DRAWING NO.
E.206

(b)(7)(E)



NOTES:

1. PER NEC 300.7(B), RACEWAYS SHALL BE PROVIDED WITH EXPANSION FITTINGS WHERE NECESSARY TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION.
2. ALL ELECTRICAL INSTALLATION SHALL CONFORM TO THE SEISMIC BRACING REQUIREMENTS AS LISTED IN IBC 1616.5.
3. JUNCTION BOXES SHOWN ON A COMMON WALL OR A FIRE RATED WALL MUST BE A MINIMUM OF 24" FROM EACH OTHER PER NEC AND IBC 725.7.
4. ALL MANUAL FIRE ALARM BOXES SHALL HAVE PROTECTIVE COVERS PER NJ IBC 907.3.5.

6

STING BO
NSON ROOF
STORY)

ENERAL NOTES:

REFER TO SHEET E000 FOR SYMBOL LIST.

ALL CIRCUITS OVER 100' IN LENGTH SHALL BE A MINIMUM #10 AWG.

WIRING SYSTEM SHALL BE CONDUIT AND WIRE. MINIMUM WIRE SIZE SHALL BE #12 AWG. USE SOLID CONDUCTOR FOR #10 AWG AND SMALLER, USE STRANDED IN LARGER SIZES.

ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE WALL COLOR SCHEME AS SELECTED BY THE ARCHITECT.

SEE L/E400 FOR LIGHTING CONTACTOR WIRING DIAGRAM.

ALL CIRCUITS ON THIS SHEET ARE CONNECTED TO PANEL "ELA" UNLESS NOTED OTHERWISE.

ALL "E" & "D" FIXTURES ARE CONTROLLED BY CLG. SEE L/E400 FOR EXTERIOR LIGHT CONTROL DIAGRAM.

LAN NOTES:

MOUNT BOTTOM OF FIXTURE +4" ABOVE TOP OF DOOR FRAME TYP.

MOUNT FIXTURE +24'-0" A.F.F. BASIC

STING BO
NSON ROOF
STORY)

ROOF PLAN – LIGHTING
SCALE: 1/8"=1'-0"

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

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CT	8751	NY	031758
DE	00-0005168	OH	10767
FL	AR-15975	PA	RA-070410
ID	AR-981969	RD	6555
IL	001-012078	TX	15434
IN	10900073	VA	0201
KY	7975	VT	2433
MA	105	WY	C-7121
MD	10031		

CONSULTANT

DESIGN-AIRE ENGINEERING, INC.
Mechanical, Electrical, and Energy Engineering

REVISIONS

DATE	REV. BY	REV. #	REVISIONS / SUBMISSION
3/31/21	DMC	1	PER BUILDING DEPT. REVIEW

FOR CONSTRUCTION
4/20/21

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

LOCATION: NEW JERSEY

DRAWN BY	DMC
REVIEWED BY	ERZ
PROJECT NUMBER	20003
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-27-18
RECORD SET	DATE:

ROOF PLAN – LIGHTING

DRAWING NO.
E.301

(b)(7)(E)

ERAL NOTES:
F/L401 FOR TYPICAL ROOF PENETRATION DETAIL.
ED TO SHEET E003 FOR SYMBOL LIST.
CIRCUITS OVER 100' IN LENGTH SHALL BE A MINIMUM
AWG.
ONE-LINE DIAGRAM ON SHEET E.401 FOR ADDITIONAL
ORMATION.
INC SYSTEM SHALL BE EMT CONDUIT AND WIRE. MINIMUM WIRE SIZE SHALL
#12 AWG. USE SOLID CONDUCTOR FOR #10 AWG AND SMALLER. USE
RACES IN LARGER SIZES.

AN NOTES:
-#5, 1-#10GND, 3/4" EMT C.
-#10, 1-#10GND, 3/4" EMT C.
S TO FURNISH AND INSTALL J-BOX WITH 2/4" DATA/CONDUIT & SECURITY CONTROL CONDUCTORS
S REQUIRED BY SECURITY CONTRACTOR FOR SECURITY DEVICE. ROUTE CONDUIT &
DUCTORS BACK TO CONTROL CENTER @3A. VERIFY FINAL LOCATION IN FIELD WITH
SECURITY CONTRACTOR PRIOR TO ROUGH-IN. TERMINATIONS BY SECURITY CONTRACTOR.
S TO FURNISH AND INSTALL J-BOX WITH 3/4" EMT CONDUIT & SECURITY SYSTEM CONTROL
DUCTORS, AS REQUIRED BY SECURITY CONTRACTOR FOR SECURITY DEVICE.
ROUTE CONDUIT & CONDUCTORS BACK TO CONTROL CENTER @3A. VERIFY FINAL
LOCATION IN FIELD WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN. SEE A/E A01
AND DOOR FRAME CONDUIT ROUTING DETAIL. TERMINATIONS BY SECURITY CONTRACTOR.

ROOF PLAN - POWER
SCALE: 1/8" = 1'-0"

ZAMPOLIN & ASSOCIATES
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DESIGN-AIRE ENGINEERING, INC.

REVISIONS

FOR CONSTRUCTION
4/20/07

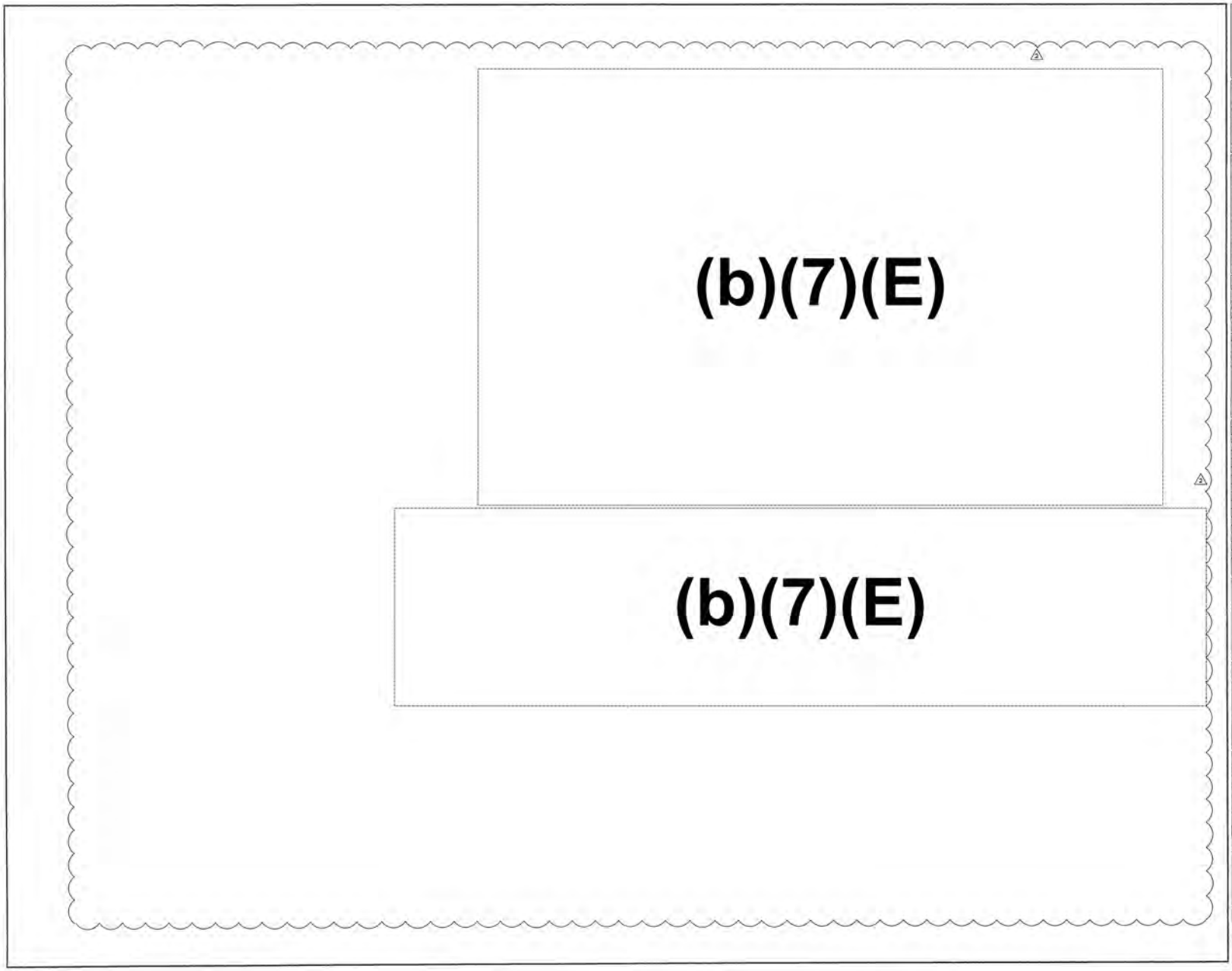
COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY: TMS
REVIEWED BY: RSZ
PROJECT NUMBER: 0602
SCHEMATIC SET: DATE:
PROGRESS SET: DATE:
BID SET: DATE:
PERMIT SET: DATE: 11-15-06
RECORD SET: DATE:

ROOF PLAN - POWER

DRAWING NO.
E.302



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ROBERT E. ZAMPOLIN, A.I.A.

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CT	878	NY	055745
DE	R1-0001988	OH	27347
FL	AR-12575	PA	RA-012341-R
ID	AR-984546	SC	6551
IL	001-21026	TX	15454
IN	01000271	VA	11371
KY	7975	VT	3433
MA	16	WY	C-7111
MD	10513		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

DATE	REV. BY	REV. #	REVISIONS / SUBDIVISION
		1	
		2	

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER
TRENTON, NEW JERSEY

DRAWN BY:	TMR
REVIEWED BY:	CEM
PROJECT NUMBER:	20002
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-21-06
RECORD SET	DATE:

ONE-LINE DIAGRAM

DRAWING NO.
E.401

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

SCHEMATIC SET	DATE
PROGRESS SET	DATE
90% SET	DATE
PERMIT SET	DATE: 11-01-06
BIDDING SET	DATE

ELECTRICAL SCHEDULES

DRAWING NO.
E.501

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

DESIGN-AIRE ENGINEERING, INC.

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

ALBERT M. "BO"
EDUCATION &
TREATMENT
CENTER

ELECTRICAL
SCHEDULES

E.502

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION
CENTERS

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

ELECTRICAL DETAILS

E.601

LIGHT FIXTURE SCHEDULE

SYMBOL	LOCATION	DESCRIPTION	MANUFACTURER	CATALOG #	LAMPS	REMARKS
	GENERAL / CORRIDOR, ROOMS	2'x4' RECESSED FLUORESCENT LIGHT FIXTURE W/ACRYLIC LENS (TYP) & 90°) FLANGE TYPE MOUNTING FOR HARD CEILINGS. BAKED WHITE ENAMEL FINISH				
	RESIDENT HOME BEDROOMS	2'x4' RECESSED FLUORESCENT LIGHT FIXTURE WET LOCATION, LENS AND FRAME SEAL HELDED STEEL HOUSING. TYPE 304 STAINLESS STEEL CHANNEL DOOR FRAME, TELEPHONE GASKETED ACRYLIC LENS, WHITE ENAMEL LIGHT FINISH.				
	GENERAL / CONFERENCE ROOMS	2'x2' RECESSED SOLID GRID SPINE FLUORESCENT LIGHT FIXTURE - ACRYLIC				
	CAFETERIA / MULTI-PURPOSE ROOM	HID (PEND.) / HORIZONTAL ACRYLIC LAMINAIRE				
	GENERAL / UTILITY ROOMS	1' x 4' FLUORESCENT VANDAL RESISTANT LIGHT FIXTURE W/ 1MM ACRYLIC ACRYLIC LENS (TYP & 90°) FLANGE TYPE MOUNTING FOR HARD CEILINGS. BAKED WHITE ENAMEL FINISH				
	GENERAL / UTILITY ROOMS	1' x 4' FLUORESCENT VANDAL RESISTANT LIGHT FIXTURE W/ 1MM ACRYLIC ACRYLIC LENS (TYP & 90°) FLANGE TYPE MOUNTING FOR HARD CEILINGS. BAKED WHITE ENAMEL FINISH				
	EXTERIOR	DC WIRED DECORATIVE OUTDOOR EMERGENCY LUMINAIRE				
	UTILITY ROOM	RECESSED INDUSTRIAL FLUORESCENT LIGHT FIXTURE				
	ROOF RECEPTACLE	LARGE OUTDOOR ROOFTOP LIGHT FIXTURE				
	ROOF RECEPTACLE	LARGE OUTDOOR ROOFTOP LIGHT FIXTURE				
	ELEVATOR MR	RELAY LAM MAINTENANCE PHONE				
	PARKING LOT	PARKING LOT POLE LIGHT				
	PARKING LOT	PARKING LOT POLE LIGHT				
	EXTERIOR	LARGE OUTDOOR ROOFTOP LIGHT FIXTURE				
	GENERAL	EMERGENCY EXIT LIGHTS				
	GENERAL	EMERGENCY EXIT LIGHTS				
	GENERAL	EMERGENCY EXIT LIGHTS				

ABBREVIATIONS

A OR AMP	AMPERES	EC	ELECTRICAL CONTRACTOR	M	METER	SCH	SCHEDULE
AC	ALTERNATING CURRENT	EDP	EMERGENCY DISTRIBUTION PANEL	MA	MILLIAMPERE	SEC	SECONDARY
AFF	ABOVE FINISHED FLOOR	EL	ELEVATION	MAG	MAGNETIC	SPEC	SPECIFICATION
AIC	AMPS INTERRUPTING CAPACITY	ELEC	ELECTRIC/ELECTRICAL	MC	MECHANICAL CONTRACTOR	SQ FT	SQUARE FEET
ALT	ALTERNATE	EMER	EMERGENCY	MCC	MOTOR CONTROL CENTER	SURF	SURFACE
ARCH	ARCHITECT	ENCL	ENCLOSURE	MECH	MECHANICAL	SW	SWITCH
ASSOC	ASSOCIATION	EQ	EQUIPMENT	MFR	MANUFACTURER	SWBD	SWITCHBOARD
ATS	AUTOMATIC TRANSFER SWITCH	EWC	ELECTRIC WATER COOLER	MSB	MAINBOARD	TCC	TEMPERATURE CONTROL CONTRACTOR
AUX	AUXILIARY	EXIST	EXISTING	MSP	MOTOR STARTER PANEL	TEL	TELEPHONE
BLDG	BUILDING	FA	FIRE ALARM	NC OR N/C	NORMALLY CLOSED	TRANS	TRANSFORMER
BOT	BOTTOM	FLA	FULL LOAD AMPS	NEC	NATIONAL ELECTRICAL CODE	TYP	TYPICAL
C	CONDUIT	FS	FUSES SWITCH	NEMA	NATIONAL ELECTRICAL MFRS ASSOC	V	VOLTS
CB	CIRCUIT BREAKER	GC	GENERAL CONTRACTOR	NEUT	NEUTRAL	VOL	VOLUME
CP	CONTROL PANEL	GEN	GENERATOR	NIC	NOT IN CONTRACT	W	WIRE
CIRC BRKR	CIRCUIT BREAKER	GFI	GROUND FAULT INTERRUPTOR	NL	NIGHT LIGHT	WP	WEATHER-PROOF
CL	CENTER LINE	GND OR G	GROUND (ELECTRICALLY	NF	NON FUSED		
COL	COLUMN	HOA	HAND-OFF-AUTOMATIC	NO OR N/O	NORMALLY OPEN		
COMB	COMBINATION	HP	HORSEPOWER	OC	ON CENTER		
CONC	CONCRETE	HVAC	HEATING, VENT, & AIR COND.	P	POLE		
CONN	CONNECTION	J	JUNCTION BOX	PB	PUSH BUTTON		
DC	DIRECT CURRENT	KVA	KILOVOLT AMPS	PL	PILOT LIGHT		
DET	DETECTOR	KW	KILOWATTS	PVC	POLYVINYL-CHLORIDE		
DISC	DISCONNECT	LP	LIGHTING PANEL	REC	RECESSED		
DIST	DISTRIBUTION	LTG	LIGHTING	RECP	RECEPTACLE		

ELECTRICAL SYMBOL LEGEND

POWER

- DUPLEX RECEPTACLE SPLIT WIRED
- RECEPTACLE SPECIAL, NEMA CONFIGURATION, COORDINATE WITH MANUFACTURERS RECOMMENDATION
- FLUSH FLOOR OUTLET
- RECEPTACLE, DUPLEX - AFCI
- RECEPTACLE, DUPLEX - DEDICATED
- RECEPTACLE, SINGLE
- RECEPTACLE, DUPLEX
- RECEPTACLE, GFCI
- RECEPTACLE, QUADPLEX
- RECEPTACLE, DUPLEX WEATHERPROOF
- RECEPTACLE, DUPLEX, EMERGENCY RCD TWIST LOCK
- RECEPTACLE/SWITCH COMBINATION
- DOORBELL PUSH BUTTON
- DOOR BELL CHIME
- TRANSFORMER, 120V TO LOV VOLTAGE
- SECURITY ALARM POINT DOOR SWITCH
- SECURITY DOOR LOCK RELEASE - ELECTRIC STRIKE
- SECURITY MOTION DETECTOR
- SECURITY ALARM BELL
- SECURITY TELEVISION CAMERA
- CLOCK OUTLET
- CLOCK OUTLET WITH CONTROL STATION
- TELEVISION OUTLET
- JUNCTION BOX 4 15/16" x 4 11/16" x 2 1/8" UNLESS NOTED OTHERWISE
- MDP — MAIN DISTRIBUTION OR POWER PANELBOARDS
- SURFACE MOUNTED PANELBOARDS
- FLUSH MOUNTED PANELBOARDS
- ELECTRICAL MOTOR CONNECTION - VERIFY HP, AND PHASE
- DISCONNECT SWITCH FOR MOTORS OVER 1/3HP
- MOTOR CONTROLLER WITH AUX CONTACTS HOA, PB, PILOT AND CONTROL TRANSFORMER

LIGHTS

- SURFACE MOUNTED OR RECESSED INCANDESCENT OR COMPACT FLUORESCENT FIXTURE
- WALL MOUNTED INCANDESCENT OR COMPACT FLUORESCENT FIXTURE
- SURFACE/RECESSED 1 x 4 FLUORESCENT LIGHT FIXTURE
- SURFACE/RECESSED 2 x 4 FLUORESCENT LIGHT FIXTURE
- EXIT LIGHT FIXTURE CEILING MOUNTED
- EXIT LIGHT FIXTURE WALL MOUNTED
- NIGHT LIGHT FIXTURE CONNECTED TO UNSWITCHED CIRCUIT
- BATTERY OPERATED EMERGENCY LIGHT - WALL MOUNTED
- POLE MOUNTED LIGHT FIXTURE - SINGLE HEAD
- SURFACE / RECESSED HID FIXTURE
- WALL MOUNTED HID FIXTURE
- BOLLARD LIGHT FIXTURE
- FLOOD LIGHT GROUND MOUNTED
- LIGHTING CONTROL PANEL
- LIGHTING CONTROL RELAY PANEL

SWITCHES

- S — SWITCH, SINGLE POLE
- S_3 — SWITCH, THREE-WAY
- S_4 — SWITCH, FOUR-WAY
- S_D — SWITCH, DIMMER
- S_{DS} — SWITCH, DOOR SECURITY
- S_K — SWITCH, KEYED
- S_P — SWITCH, PILOT LIGHT
- S_T — SWITCH, CONTROLLING FIXTURES MARKED WITH a
- ST — SWITCH, MANUAL TIMER
- S_{TT} — TT SWITCH FOR MOTORS 1/2HP OR SMALLER
- PUSH BUTTON CONTROL STATION
- PUSH BUTTON "UP-DOWN-DN"
- PANIC BUTTON
- MOTION DETECTOR

FIRE

- IONIZATION SMOKE
- THERMAL DETECTOR 135° FIXED
- PHOTO DETECTOR PHOTO ELECTRIC
- PULL STATION
- STROBE UNIT
- FIRE ALARM IONIZATION DUCT DETECTOR
- FIRE ALARM MAGNETIC DOOR HOLDER
- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM TAMPER SWITCH
- FIRE ALARM FLOW SWITCH
- HORN STROBE
- FIRE ALARM SPEAKER
- FIRE ALARM SPEAKER STROBE
- AUTOMATIC TRANSFER SWITCH
- REMOTE GENERATOR CONTROL/ALARM PANEL

COMMUNICATION

- TELEPHONE OUTLET BOX AND COVER PLATE
- TELEPHONE OUTLET BOX, AND COVER PLATE, PUBLIC
- TELEPHONE OUTLET FLOOR BOX WITH COVER PLATE
- TELEDATA OUTLET
- TELEDATA OUTLET FLOOR BOX WITH COVER PLATE
- DATA OUTLET
- SPEAKER, FLUSH CEILING MOUNTED
- SPEAKER, WALL MOUNTED
- SPEAKER HORN TYPE, WALL MOUNTED
- SOUND SYSTEM AMPLIFIER

NURSE CALL

- NURSE CALL, DUTY STATION
- NURSE CALL, STAFF EMERGENCY
- NURSE CALL, SATELLITE EQUIPMENT LAB
- NURSE CALL, SATELLITE POWER SUPPLY
- NURSE CALL, MASTER POWER SUPPLY
- NURSE CALL, POWER SUPPLY
- NURSE CALL, DOME LIGHT, ZONE LIGHT
- NURSE CALL, DOME LIGHT, SINGLE LAMP
- NURSE CALL, DOME LIGHT, DUAL LAMP
- NURSE CALL, DOME LIGHT, QUAD LAMP
- NURSE CALL, DOME LIGHT WITH COUPLER INTERFACE
- NURSE CALL, CENTRAL EQUIPMENT CABINET
- NURSE CALL, CODE BLUE BUTTON
- NURSE CALL, PATIENT STATION
- NURSE CALL, STAFF STATION
- NURSE CALL, CODE BLUE DOME LIGHT
- NURSE CALL, FOOT OPERATED CALL SWITCH

WIRE

- HOMERUN
- WIRING CONCEALED IN CEILING OR WALL
- WIRING CONCEALED UNDER OR IN FLOOR
- WIRING EMERGENCY
- A= GROUND B= NEUTRAL C= HOT
- WIRING TURNED UP
- WIRING TURNED DOWN
- WIREMOLD #PENDED NOTE DENOTES TYPE
- CABLE TRAY
- HEAT TRACE CABLE

ALL SYMBOLS MAY NOT BE USED

ZAMPOLIN & ASSOCIATES
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CT	6138	NY	023758
DE	10-0009360	OH	25967
FL	AR-15809	PA	RA-017460
GA	AR-16405	SC	6593
IL	001-20019	TX	19654
IN	10900371	VA	0221
KY	5985	VT	7435
MA	976	WI	C-7251
MD	10035		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

FOR CONSTRUCTION 4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" EDUCATION & TREATMENT CENTER

DESIGN	WB #7021
DRAWN BY	MA
REVIEWED BY	EEZ
PROJECT NUMBER	0602
SCHEMATIC SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-28-06
BUYERS SET	DATE:

ELECTRICAL SYMBOLS & ABBREVIATIONS

DRAWING NO. E.602

(b)(7)(E)

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

ELECTRICAL DETAILS

E.603

(b)(7)(E)

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS SCHEMATIC; EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AT THEIR EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND IN WALL WITH 1/2" ISOCO FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

I. ALL INVERTS, STATED OR NOT, NEW OR EXISTING SHALL BE CONFIRMED AND COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.

J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY NOTED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONARY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/4" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. ALSO, MAKE CONNECTIONS TO SERVICE PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXTERIO WORK. TRENCHING, BACK FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONNECTION TO STUBS ON SITE.

Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE PUNCHLIST. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DAMPENED (TO PREVENT LEAKING FLUIDS FROM REACHING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
ARCHITECTS
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WESTWOOD, N.J. 07675 F 201 358 1177

ROBERT E. ZAMPOLIN, A.I.A.

NJ	21551	PA	A-6785
AL	26941	FL	7789
CA	C 31924	ME	A-3436
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CT	6701	NY	072758
DE	59-0007982	OH	47367
FL	AR-12670	PA	RA-07981-S
ID	AR-16495	SC	9883
IL	001-61206	TX	19454
IN	40900777	VA	0227
KY	6984	VT	1493
MA	NR	WY	C-2761
MD	30503		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

DATE	REV. BY	REV. #	DESCRIPTION
11-16-06	AC	1	ADDENDA #1 SITE WORK
12-15-06	AC	2	ADDENDA #2 GEN. & STORM
4-19-07	AC	3	60 PER CLIENT COMMENTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

BOARD: NEW JERSEY

DRAWN BY:	AC
CHECKED BY:	TMV
PROJECT NUMBER:	0605
DESIGN SET:	DATE:
PROGRESS SET:	DATE:
BID SET:	DATE:
PERMIT SET:	DATE: 11-15-06
RECORD SET:	DATE:

UNDERSLAB FLOOR PLAN – PLUMBING SANITARY & STORM

DRAWING NO.
P.100

(b)(7)(E)

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, ARPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AT THEIR EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND IN WALL WITH 1/2" RIGID FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHENEVER POSSIBLE. PROVIDE CHROME ESCUTCHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

I. ALL INVERTS, STATED OR NOT, NEW OR EXISTING SHALL BE CONFIRMED AND COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.

J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY NOTED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONARY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/8" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. ALSO, MAKE CONNECTIONS TO SERVICE PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXTERIOR WORK, TRENCHING, BACK FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONNECTION TO STUBS ON SITE.

Q. THE PLUMBING SUBCONTRACTOR SHALL TILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE PUNCHLIST. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DARKENED (TO PREVENT LEAKING FLUIDS FROM READING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
ARCHITECTS
107 PRISTINE AVE
WESTWOOD, NJ 07675
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ROBERT E. ZAMPOLIN, A.I.A.

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DE	ID-0007688	OH	30547
FL	AR-13921	PA	RA-019511-R
ID	AR-16988	RI	4529
IL	062-031319	TX	15404
IN	10000777	VA	0201
KY	9989	VT	5403
MA	938	WY	C-733
MD	18933		

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CONSULTANT
DESIGN-AIRE ENGINEERING, INC.
Mechanical, Electrical and Energy Engineering

REVISIONS

DATE	REV. BY	REV. #	REVISION / SUBMISSION
11-28-06	AC	1	ADDENDA #1 SCHOOL BOARD
4-19-07	AC	2	AS PER CLIENT COMMENTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER
TRENTON, NEW JERSEY

DRAWN BY:	JJC
REVIEWED BY:	REP
PROJECT NUMBER:	0603
SUBMITTED TO:	DATE:
PROCESSED TO:	DATE:
AS TO:	DATE:
PERMIT TO:	DATE: 11-28-06
RECEIVED AT:	DATE:

FIRST FLOOR PLAN — PLUMBING SANITARY & STORM

DRAWING NO.
P.101

(b)(7)(E)

SECOND FLOOR PLAN – PLUMBING SANITARY & STORM

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AT THEIR EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND IN WALL WITH 1/2" ISOD FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME, ESCUTHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

I. ALL INVERTS, STATED OR NOT, NEW OR EXISTING SHALL BE CONFIRMED AND COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.

J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY NOTED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONARY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/8" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. ALSO, MAKE CONNECTIONS TO SERVICES PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXTERIO WORK, TRENCHING, BACK FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONNECTION TO STUBS ON SITE.

Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE PURCHASE. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DIAPERED (TO PREVENT LEAKING FLUIDS FROM REACHING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

DATE	REV BY	REV #	REVISION / DESCRIPTION
01-26-07	AC	1	ADDED JR SCHOOL BOILER
4-19-07	AC	2	ID PER CODE COMMENTS

FOR CONSTRUCTION 4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

PROJECT NO. NEW JERSEY

DRAWN BY: AC
CHECKED BY: DRB
PROJECT MANAGER: DRB
SCHEMATIC SET DATE:
PERMIT SET DATE:
AS-BUILT DATE:
PERMIT SET DATE: 11-05-06
BIDDING SET DATE:

SECOND FLOOR PLAN – PLUMBING SANITARY & STORM

DRAWING NO. P.102

(b)(7)(E)

THIRD FLOOR PLAN – PLUMBING SANITARY & STORM
SCALE: 1/4"=1'-0"

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AT THEIR EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND AT WALL WITH 1/2" RIGID FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

I. ALL INVERTS, STATED OR NOT, NEW OR EXISTING SHALL BE CONFIRMED AND COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.

J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY NOTED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONARY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/8" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. THIS SHALL MAKE CONNECTIONS TO SERVICE PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXISTING WORK, TRENCHING, SAND FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONNECTION TO STUBS OR SIZE.

Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE PUNCHLIST. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE SANITIZED (TO PREVENT LEAKING FLUIDS FROM REACHING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

DATE	REV. BY	REV.#	REVISIONS / SUBMISSION
4-15-07	AS	A	AS PER CITY COMMENTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY: AS
REVIEWED BY: CHK
PROJECT MANAGER: PMGR
SUBMITTED SET: DATE:
PROGRESS SET: DATE:
AS SET: DATE:
PERMIT SET: DATE: 11-01-06
RECORD SET: DATE:

THIRD FLOOR PLAN – PLUMBING SANITARY & STORM

DRAWING NO.
P.103

(b)(7)(E)

ROOF PLAN – PLUMBING
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AT THEIR EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND IN WALL WITH 1/2" RIGID FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

I. ALL INVERTS, STATED OR NOT, NEW OR EXISTING SHALL BE CONFIRMED AND COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.

J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY MIXED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONARY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/8" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. ALSO, MAKE CONNECTIONS TO SERVICE PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXTERIOR WORK, TRENCHING, BACK FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONNECTION TO STUBS ON SITE.

Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE FURNISHES. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DIAPERED (TO PREVENT LEAKING FLUIDS FROM REACHING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
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DE	ID-0007968	OH	27567
FL	AR-15015	PA	RA-017164-R
ID	AR-184568	RI	6553
IL	001-031170	TX	15434
IN	10100171	VA	0121
KY	16615	VT	2455
MA	108	WY	C-7133
MD	17033		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.
Mechanical, Electrical, and Energy Engineering

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" EDUCATION & TREATMENT CENTER

DRAWN BY:	JJ
SUBMITTED BY:	EMA
PROJECT NUMBER:	0602
CONCEPTUAL SET	DATE:
PROGRESS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-09-06
FINISH SET	DATE:

ROOF PLAN – PLUMBING

DRAWING NO.
P.104

(b)(7)(E)

FIRST FLOOR PLAN – PLUMBING DOMESTIC WATER & GAS

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS DIAGRAMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AT THEIR EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND BY WALL WITH 1/2" INCH FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

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J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY NOTED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONRY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO LOUVERS, AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/8" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. ALSO, MAKE CONNECTIONS TO SERVICE PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXTERIO WORK, TRENCHING, BACK FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONNECTION TO STUBS ON SITE.

Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF GUCK, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE PUNCHLIST. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DIAPERED (TO PREVENT LEAKING FLUIDS FROM REACHING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

DATE	REV. BY	REV. #	DESCRIPTION / SUBMISSION
9-18-08	AG	1	ADDENDA #1
9-24-07	AG	10	CITY EDC SUBMIT

FOR CONSTRUCTION 4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY:	AG
REVISED BY:	GM
PROJECT NUMBER:	0622
CONCEPTUAL SET	DATE:
PERMITTED SET	DATE:
BID SET	DATE:
FINAL SET	DATE: 11-12-08
RECORD SET	DATE:

FIRST FLOOR PLAN – PLUMBING DOMESTIC WATER & GAS

DRAWING NO. P.201

(b)(7)(E)

SECOND FLOOR PLAN – PLUMBING DOMESTIC WATER & GAS
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AT THEIR EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES' WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND IN WALL WITH 1/2" MUDD FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

I. ALL INVERTS, STATED OR NOT, NEW OR EXISTING SHALL BE CONFIRMED AND COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.

J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY NOTED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONARY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/8" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. ALSO, MAKE CONNECTIONS TO SERVICE PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXTERIO WORK, TRENCHING, SEACH FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONSCION TO STUBS ON SITE.

Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE PUNCHLIST. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DAMPERED (TO PREVENT LEAKING FLUIDS FROM READING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
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ROBERT E. ZAMPOLIN, A.I.A.

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ID	AR-98388	SC	21855
IL	001-031019	TX	19434
IN	10000171	VA	13371
KY	31695	VT	3402
MA	105	WY	C-7151
MD	21033		

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STRUCTURAL
DESIGN - AIRE ENGINEERING, INC.

DATE	REV. BY	REV. #	REVISIONS / SUSPENSION
11-15-07	AZ	1	ADDENDA #1 SHEET REVISIONS
4-18-07	AZ	2	AS PER CLIENT COMMENTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

LOCATION: NEW JERSEY

DRAWN BY:	AZ
REVIEWED BY:	MH
PROJECT MANAGER:	PERO
SUBMITTED BY:	DATE:
PERMITS BY:	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-15-07
RECORD SET	DATE:

SECOND FLOOR PLAN – PLUMBING DOMESTIC WATE & GAS

DRAWING NO.
P.202

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

B. PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT PADS, EXISTING CONDITIONS, ARCHITECTURAL DRAWINGS AND SHOP DRAWINGS PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE THE WORK AS REQUIRED TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES WORK.

C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SUSPENDED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND IN WALL WITH 1/2" THICK FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

G. UNLESS OTHERWISE NOTED ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTHEON AT EACH PENETRATION OF A FINISHED SURFACE.

H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

I. ALL INVERTS, STATED OR NOT, NEW OR EXISTING SHALL BE CONFIRMED AND COORDINATED IN THE FIELD. VERIFY EXISTING INVERTS PRIOR TO STARTING WORK.

J. ALL FIXTURES SHALL HAVE SHUT-OFF STOP VALVES IN AN ACCESSIBLE LOCATION. PIPING BEYOND THE STOP VALVES IN EXPOSED OCCUPIED SPACES SHALL BE CHROME-PLATED. ANY NOTED SHUT-OFF VALVES ARE IN ADDITION TO THIS REQUIREMENT.

K. ALL WALL AND SLAB PENETRATIONS OF MASONARY OR CONCRETE CONSTRUCTION SHALL BE SLEEVED.

L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

N. SANITARY WASTE AND STORM PIPING LOCATED BELOW THE FLOOR SLAB SHALL BE PITCHED 1/8" PER FOOT AND COORDINATED WITH FOOTINGS, UNLESS NOTED OTHERWISE.

O. THE PLUMBING SUBCONTRACTOR'S SCOPE OF WORK INCLUDES ALL WORK WITHIN BUILDING AND 5'-0" OUTSIDE OF BUILDING UNLESS OTHERWISE NOTED. ALSO, MAKE CONNECTIONS TO SERVICE PROVIDED BY SITE WORK CONTRACTOR. REFER TO SITE WORK UTILITY CIVIL ENGINEERING DOCUMENTS FOR EXISTING WORK, TRENCHING, BACK FILLING, ETC.

P. THE PLUMBING SUBCONTRACTOR SHALL VERIFY UTILITY LOCATIONS AT SITE AND SHALL MAKE CONNECTOR TO STUBS ON SITE.

Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. UNCURED CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS, UP UNTIL THE PUNCHLIST. THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DIAPERED (TO PREVENT LEAKING FLUIDS FROM REACHING THE FLOOR) AND USE NON-MARKING TIRES.

(b)(7)(E)

THIRD FLOOR PLAN – PLUMBING DOMESTIC WATER & GAS

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

DESIGN – AIRE ENGINEERING, INC.

DATE	FOR BY	REV. #	REVISIONS / SUBSTANCES
11-28-06	AZ	1	ADDENDA #1 (PUBLIC BIDS)
4-19-07	AZ	2	AS PER CLIENT COMMENTS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

DRAWN BY	AZ
REVIEWED BY	DEA
PROJECT NUMBER	2005
LIBRARIAN SET	DATE:
PERMITS SET	DATE:
BID SET	DATE:
PERMIT SET	DATE: 11-01-06
HISTORIC SET	DATE:

THIRD FLOOR PLAN – PLUMBING DOMESTIC WATER & GAS

DRAWING NO.
P.203

GENERAL NOTES:

A. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL MECHANICAL AND PLUMBING CODES AND REGULATIONS, NFPA AND FUEL GAS CODES. CONTRACTOR TO BE LICENSED IN THE STATE OF NEW JERSEY.

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C. ALL PIPING SHALL BE CAPPED DURING CONSTRUCTION TO PREVENT ENTRY OF FOREIGN MATERIAL.

D. PROVIDE BLOCKING FOR ALL PLUMBING ROUGH-IN. COPPER PIPE SOLDERED TO METAL STUDS WILL NOT BE ACCEPTED.

E. PROVIDE PLASTIC ISOLATION SEPARATORS FOR ALL COPPER PIPING RUNNING THRU METAL STUDS. INSULATE PIPING BETWEEN STUDS AND IN WALL WITH 1/2" RIGID FIBERGLASS PIPE INSULATION.

F. PROVIDE SHOCK ABSORBERS AT EACH GROUP OF FIXTURES. SIZE PER MANUFACTURER'S REQUIREMENTS.

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H. PLUMBING UTILITY PIPING SHALL NOT BE RUN ABOVE ELECTRICAL GEAR OR IN THE SERVICE SPACE REQUIRED BY THE NATIONAL ELECTRIC CODE.

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L. ALL APPLICABLE ITEMS SHALL BE ADA COMPLIANT INCLUDING EQUIPMENT TYPE, MOUNTING HEIGHTS, ETC.

M. ALL PIPING SHALL BE COORDINATED WITH OUTSIDE AIR INTAKES TO PROVIDE 10'-0" CLEARANCE IN ALL DIRECTIONS FROM VENTS THRU ROOF TO OUTSIDE AIR INTAKES.

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Q. THE PLUMBING SUBCONTRACTOR SHALL FILL FLOOR DRAINS WITH WATER UPON COMPLETION OF WORK AND TESTING.

R. ONCE THE CONCRETE FLOOR SLAB IS POURED, IT MUST BE KEPT CLEAN, FREE OF DUST, DIRT, PAINTS, STAINS AND TIRE MARKS. OF LAYS, THE PERSONNEL, THERE SHALL BE NO STORING OF MATERIALS ON CONCRETE IN AREAS TO RECEIVE THE CONCRETE FINISH TREATMENT. ALL LIFTS TO BE DAMPENED (TO PREVENT LEAKING FLUIDS FROM REACHING THE FLOOR) AND USE NON-MARKING TIRES.

ZAMPOLIN & ASSOCIATES
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GA	AR-004495	SC	8983
IL	062-23115	TN	5434
IN	10000171	VA	3427
KY	9525	VT	2433
MA	105	WV	C-703
MD	10761		

CONSULTANT
DESIGN-AIRE ENGINEERING, INC.

REVISIONS

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT
ALBERT M. "BO" EDUCATION & TREATMENT CENTER

BORDEN TOWN NEW JERSEY

DRAWN BY	AJ
REVIEWED BY	RMZ
PROJECT NUMBER	2005
SUBMITTED SET	04.20.07
PERMITTED SET	04.20.07
BID SET	04.20.07
PERMIT SET	04.20.07 11-21-07
RECORD SET	04.20.07

PLUMBING SANITARY WASTE & VENT ISOMETRIC

DRAWING NO. P.501

(b)(7)(E)

(b)(7)(E)

GAS HOT WATER BOILER SCHEDULE

MARK NO.	EQUIPMENT DESCRIPTION	NATURAL GAS		BOILER HP	BOILER GPM/AIR @60T RISE	ELECTRICAL DATA			WEIGHT (LBS.)	MANUFACTURER	MODEL	REMARKS
		GAS INPUT (MBH)	GAS OUTPUT (MBH)			VOLTS / PH.	MCA	MOCP				
B-1	GAS FIRED BOILER	1500	1425	36	1700	120/1	15.5	(2) 15	1445	LOCHINVAR	WH1500	1
B-2	GAS FIRED BOILER	1500	1455	36	1700	120/1	15.5	(2) 15	1495	LOCHINVAR	WH1500	1

REMARKS:
1. PROVIDE WITH 4" HOUSEKEEPING PAD.

PUMP SCHEDULE

MARK NO.	EQUIPMENT DESCRIPTION	PUMP DATA			MOTOR DATA		MANUFACTURER	MODEL	REMARKS
		GPM	HEAD (FT.)	S. DIT.	WATTS/HP	VOLTS/PH			
SHWR-1	DOMESTIC HOT WATER RE-CIRCULATION PUMP	8	15	–	1/4 HP	120/1	ARMSTRONG	ARMSTRONG 1060-SS	1
SHWR-2	DOMESTIC HOT WATER RE-CIRCULATION PUMP	8	15	–	1/4 HP	120/1	ARMSTRONG	ARMSTRONG 1060-SS	1

REMARKS:
1. ALL BRONZE CONSTRUCTION.

HOT WATER STORAGE TANK SCHEDULE

MARK NO.	EQUIPMENT DESCRIPTION	STORAGE CAPACITY (GALLONS)	HEIGHT (INCHES)	DIAMETER (INCHES)	WEIGHT (LBS.)	MANUFACTURER	MODEL	REMARKS
ST-1	DOMESTIC HOT WATER STORAGE TANK	750	104	52	6596	LOCHINVAR	RSA0752	1
ST-2	DOMESTIC HOT WATER STORAGE TANK	750	104	52	6596	LOCHINVAR	RSA0752	1

REMARKS:
1. VERTICAL TANK, ASME RATED, GLASS LINED, 2" INSULATED TANK & MANWAY.

PLUMBING FIXTURE SCHEDULE

MARK NO.	EQUIPMENT DESCRIPTION	DCW SIZE	DHW SIZE	WASTE SIZE	VENT SIZE	MOUNTING HEIGHT	SPECIFICATIONS
P-1	WATER CLOSET – FLOOR OUTLET	1"	–	3"	2"	14"	VITREOUS CHINA, 1.6 GPF LOW CONSUMPTION, ELONGATED FRONT RIM, SIPHON JET ACTION, FLOOR MOUNTED FLUSH VALVE TOILET WITH 1-1/2" BACK SPUD AND 4-1/8" BACK OUTLET ROUGH-IN LIKE ZURN Z5630 WITH Z6000AV-WS1 AQUAVANTAGE "AV" LOW CONSUMPTION EXPOSED FLUSH VALVE AND Z6000SS-EL ELONGATED, STANDARD WHITE, OPEN FRONT TOILET SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE.
P-1A	WATER CLOSET – FLOOR OUTLET (ADA)	1"	–	3"	2"	17"	VITREOUS CHINA, 1.6 GPF LOW CONSUMPTION, ELONGATE FRONT RIM, SIPHON JET ACTION, 16-3/4" RIM HEIGHT, ADA COMPLIANT, FLOOR MOUNTED FLUSH VALVE TOILET WITH 1-1/2" BACK SPUD AND 4-1/8" BACK OUTLET ROUGH-IN LIKE ZURN Z5630 WITH Z6000AV-WS1 AQUAVANTAGE "AV" LOW CONSUMPTION EXPOSED FLUSH VALVE AND Z6000SS-EL ELONGATED, STANDARD WHITE, OPEN FRONT TOILET SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE.
P-2	URINAL – FLOOR OUTLET	3/4"	–	2"	2"	24"	3/4" TOP SPUD, VITREOUS CHINA, 1.0 GPF LOW CONSUMPTION WALL HUNG URINAL WITH CONCEALED WALL HANGER BRACKETS LIKE ZURN Z5750 WITH AQUAVANTAGE AV ZURN Z6003AV-WS1 1.0 GPF LOW CONSUMPTION EXPOSED URINAL FLUSH VALVE AND ZURN Z5978-STR URINAL DOME STRAINER.
P-2A	URINAL – FLOOR OUTLET (ADA)	3/4"	–	2"	2"	17"	3/4" TOP SPUD, VITREOUS CHINA, 1.0 GPF LOW CONSUMPTION WALL HUNG URINAL WITH CONCEALED WALL HANGER BRACKETS LIKE ZURN Z5750 WITH AQUAVANTAGE AV ZURN Z6003AV-WS1 1.0 GPF LOW CONSUMPTION EXPOSED URINAL FLUSH VALVE AND ZURN Z5978-STR URINAL DOME STRAINER.
P-3	LAVATORY TRIM – SELF METERING (DUEL TEMP.)	1/2"	1/2"	2"	2"	–	POLISHED CHROME-PLATED CAST BRASS FAUCET BODY WITH INTEGRAL SHANKS, SLOW-CLOSING METERING CARTRIDGES, A 4" LONG INTEGRAL CAST SPOUT, AND VANDAL-RESISTANT ADA COMPLIANT COLOR-CODED METAL HANDLES. EASY ADJUSTABLE CYCLE TIME, PRESET TO 10 SECONDS AT 80 PSI. UNIT IS FURNISHED WITH A WATER-CONSERVING AERATOR WHICH REDUCES FLOW TO 1.0 GPM. MOUNTING HARDWARE, 1/2" COUPLING NUTS FOR STANDARD LAVATORY RISERS AND FIXTURE ASSEMBLIES LIKE ZURN AQUASPEC Z8956SS WITH FOLLOWING ZURN ACCESSORIES Z8743-MC GRID STRAINER, Z8700 P-TRAP, Z8800 STOP WITH FLEXIBLE SUPPLIES, & Z8946-1-RT ADA TRAP, STOP, & SUPPLY PROTECTORS.
P-4	MOP SINK – 24"x36"	1/2"	1/2"	3"	2"	–	24x36x10 MOP SERVICE BASIN. MOLDED HIGH DENSITY COMPOSITE BASIN WITH AND INTEGRALLY MOLDED, SELF-DRAINING MOP SHELF, FNC DRAIN BODY, STAINLESS STEEL DOME STRAINER/LINT BASKET, AND 3" GASKETED OUTLET CONNECTION LIKE ZURN Z1998-SS WITH STAINLESS STEEL BUMPER GUARD, HOSE AND HOSE BRACKET, MOP HANGER, AND STAINLESS STEEL WALL GUARDS. TOP OF WALL GUARDS SHALL BE 24" ABOVE TOP LIP OF BASIN. WITH CHROME-PLATED SERVICE FAUCET, COMPLETE WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK, FOUR-ARM HOT AND COLD HANDLES AND 3/4" HOSE THREAD ON SPOUT. WATER INLETS ARE FOR 1/2" PIPE AND ARE ECCENTRIC ON AN 8" CENTERLINE.
P-5	WATER COOLER – ADA (BI-LEVEL & VANDAL)	1/2"	–	2"	2"	27" CLEAR (LOWER UNIT)	BI-LEVEL UNIT, WALL HUNG, UL AND CSA LISTED, LEAD-FREE WATERWAYS STAINLESS STEEL TOP, HIGH EFFICIENCY COOLING FANS AND MOTOR WELDED HEAVY DUTY FRAME, ADA COMPLIANT UNIT, ELKAY VRDQTLSBRC
P-6	SHOWER PANEL FRONT ACCESS – SECURITY	1/2"	1/2"	–	–	78" TO HEAD OUTLET	UNITS SHALL BE CONSTRUCTED OF HEAVY GAUGE TYPE 304 STAINLESS STEEL WITH EXPOSED SURFACES TO HAVE A #4 POLISHED SATIN FINISH. STAINLESS STEEL PANEL AND MOUNTING FRAME WITH RECESSED SOAP DISH, BRADLEY "SH" FIXED DIRECTION, SEWAGE SERVICE SHOWERHEAD, AND BRADLEY ASTM VALVE WITH 2.5 GPM FLOW CONTROL LIKE BRADLEY SMP5950-FPM
P-6A	SHOWER PANEL FRONT ACCESS – SECURITY (ADA)	1/2"	1/2"	–	–	72" TO HEAD OUTLET	UNITS SHALL BE CONSTRUCTED OF HEAVY GAUGE TYPE 304 STAINLESS STEEL WITH EXPOSED SURFACES TO HAVE A #4 POLISHED SATIN FINISH. STAINLESS STEEL PANEL AND MOUNTING FRAME WITH RECESSED SOAP DISH, BRADLEY "SH" FIXED DIRECTION, SEWAGE SERVICE SHOWERHEAD, HOSE ASSEMBLY WITH VACUUM BREAKER AND HOOK, AND BRADLEY ASTM VALVE WITH 2.5 GPM FLOW CONTROL LIKE BRADLEY SMP5950-FPM.
P-7	WASHING MACHINE OUTLET BOX	1/2"	1/2"	3"	2"	–	RIGHT DRAIN GALVANIZED WASHING MACHINE OUTLET BOX WITH HAMMER ARRESTERS VALVES LIKE GUY GRAY WB200HATM
FD-1	FLOOR DRAIN	–	–	SEE DRAWING	–	–	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR, TYPE 'B' STRAINER TRAP PRIMER CONNECTION, 1 – 3" EXTENSION ADAPTER, VANDAL PROOF DOMING LIKE ZURN ZN-415-P-VP-S
SD-1	SHOWER DRAIN	–	–	SEE DRAWING	–	–	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR, TYPE 'B' STRAINER TRAP PRIMER CONNECTION, 1 – 3" EXTENSION ADAPTER, VANDAL PROOF DOMING LIKE ZURN ZN-415-P-VP-S
RD-1	ROOF DRAIN	–	–	SEE DRAWING	–	–	15" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/DRAWEL GUARD AND LOW SILHOUETTE POLY-DOME LIKE ZURN Z-100 ROOF DRAIN

ZAMPOLIN & ASSOCIATES
ARCHITECTS

ROBERT E. ZAMPOLIN, A.I.A.

DESIGN-AIRE ENGINEERING, INC.

REVISIONS			
DATE	REV. BY	REV. #	REVISIONS / ADDITIONS
11-15-06	AC	1	ADDENDA #1 PERMIT
12-13-06	AC	2	ADDENDA #2 GAS PERMIT

FOR CONSTRUCTION
4/20/07

COMMUNITY EDUCATION CENTERS

PROJECT:
ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER

TRUSTEE: NEW JERSEY

DRAWN BY:	AJC
CHECKED BY:	TEDP
PROJECT NUMBER:	0602
SCHEMATIC SET:	DATE:
PROGRESS SET:	DATE:
BID SET:	DATE:
PERMIT SET:	DATE: 11-15-06
RECORD SET:	DATE:

PLUMBING SCHEDULES & DETAILS

SHEET NO. P.601

ALBERT M. "BO" ROBINSON
EDUCATION & TREATMENT CENTER

FIRE PROTECTION NOTES AND SPECIFICATIONS

1. GENERAL

1.1 REQUIREMENTS

A. The sprinkler contractor shall be licensed, authorized installer of sprinkler systems and shall have a minimum of five years experience in the installation of sprinkler systems.

B. Before submitting his bid, the sprinkler contractor shall fully familiarize himself with all architectural drawings of the proposed building. Contractor shall perform this prior to submitting his proposal. Submission of a proposal shall be construed as evidence that such an examination has been made, and later claims will not be recognized for extra labor, equipment or materials required because of difficulties encountered which could have been foreseen had such an examination been made.

C. Upon review of sprinkler drawings, prior to submitting his proposal, the sprinkler contractor shall inform the architect and/or engineer of any discrepancies or request clarification in writing, if necessary, concerning the intent of the plans and specifications to provide a complete sprinkler installation. Later claims will not be recognized for extra labor, equipment or materials should such procedure not be followed.

D. The scheduling of the sprinkler work shall be coordinated with the building owner, the other contractors and client.

1.2 WORK INCLUDED

A. Work shall include all sprinkler work furnished and revised. All work shall comply with the requirements of IBC 2000 (New Jersey Edition) and NFPA 13 (1999 Edition) as well as state building code and local fire marshal requirements.

B. Sprinkler head layout shall be based on the approximated locations indicated on these preliminary plans. The sprinkler contractor shall coordinate his work with the existing conditions and the work of all other contractors. The contractor shall notify the engineer in writing of any conflicts between trades before installation of sprinkler system.

C. Summary of Sprinkler work shall be as follows:

i. Installation of automatic sprinkler system in the new building known as "Albert M. "Bo" Robinson Education & Treatment Center" , as detailed.

D. These drawings are diagrammatic and indicate the general location of work. The engineer reserves the right to change the location of heads, valves, nozzles, apparatus, etc. to a reasonable extent at the building conditions may dictate prior to their installation without extra cost to the owner. Any dimensions not shown shall be obtained from contractor field survey. For exact locations, mounting heights, etc., all dimensions shall be field verified.

E. The building owner/occupant shall remain responsible for heat in required area's to prevent freezing in the enclosed space.

F. The chosen contractor must verify all drain terminations. Assurance must be made that no damage could occur to building/contents when drains discharge.

1.3 SHOP DRAWINGS AND DATA

A. The chosen contractor shall submit for approval, fully coordinated shop drawings sealed by a licensed professional engineer. The shop drawings shall include but not limited to include the following:

i. Pipe and fittings
ii. Sprinkler heads
iii. Hangers and supports
iv. Sprinkler and piping layout
v. Hydraulic calculations
vi. Equipment / manufacturer cut sheets
vii. Standpipe layout

1 B. A water flow test was performed on December 19, 2005 with a reported static pressure of 70 psi reduced to a residual pressure of 59 psi while flowing 1,100 gpm. An estimated flow of 2,492 gpm at 20 psi can be provided by the public water system.

C. Sprinkler system is to be designed in accordance with NFPA 13 (1999 Edition as follows:

i. Wet Pipe: Dorm Rooms; Gymnasium; Lecture Hall; Dining Room Seating Areas or equiv. - (Light Hazard)
2 ii. Wet Pipe: Storage Rooms; Kitchen Service Areas - (OH-1).

D. Standpipe sytem to be in accordance with (BC 2000 (NJ Edition) Section 905.

1.4 BUILDING DEPARTMENT FILING, PERMITS AND CERTIFICATES

A. The sprinkler contractor shall file all required drawings and specifications with the authority having jurisdiction and be responsible for obtaining final approval.

B. Arrange for inspections and tests of any and all parts of the work as required by authorities having jurisdiction and pay all charges for same.

2. MATERIALS

2.1 GENERAL

A. The sprinkler system shall be complete with all pipe fittings, valves, drainage system and valves, sprinkler heads, hangers and supports also miscellaneous work items such as signs as required, valve tags, etc. and all other related equipment, apparatus and material items necessary for complete satisfactory operating and approved type system.

B. All pipe fittings, hangers, supports, sprinklers heads, etc. shall conform to the requirements of the authorities having jurisdiction and NFPA 13 requirements as to type of materials, arrangements, sizes and installation.

2.2 SPRINKLER PIPING

A. Piping for sprinklers systems shall be welded or seamless steel pipe in accordance with ASTM A120 or ASTM A795 and designed for a working pressure of 175 psi.

B. All pipe to be steel, with black cast/malleable iron fittings with joints as per NFPA. Steel pipe shall be minimum schedule 10 wall thickness for pressure up to 300# when joined by welding or rolled grove connection.

C. Pipe shall be as per the following schedule: Line Piping - Schedule 40 Standard Wall (1 – 2 in.); X-Main & Riser Piping – Schedule 10 Thin wall (2.5 – 8 in.). All dimensions shown are center to center, but must be verified in the field for coordination with other building appurtenances.

2.3 SPRINKLER HEADS

A. All sprinkler heads installed to be quick response type. Heads shall be UL listed as follows:

LOCATION	TYPE	FINISH	MANUFACTURER	MODEL
Drop Ceiling Dorm Rooms, Counsel Rooms Offices, Corridors, Lecture Hall, Small storage rooms, etc.	Rec- Pend	White	Reliable or Equiv	GFR or equiv
Open Ceiling Gymnasium	Upright	Bronze	Reliable or Equiv	GFR or equiv

2.4 ALARMS

A. Wiring, alarm bells, and any further supervision are by others or as indicated in agreed terms by the installing contractor. Tamper switches will be provided on all valves.

B. Elevator must have a sprinkler head at the bottom of the elevator hoist way. Further, a coordinated shunt trip configuration pursuant to the NJ Uniform Construction Code and ASME A17.1 will be required. Per NFPA 13, sprinklers are not required at tops of noncombustible elevator shafts when the elevator car meets ASME A17.1.

3. INSTALLATION

3.1 CUTTING AND PATCHING

A. Do all cutting necessary for the installation of sprinkler work. Accurately lay out work for which cutting is required, so as to avoid unnecessary large openings. Cutting of beams, joists, floors or walls of the building will not be permitted except after receiving approval of architect.

3.2 SEISMIC PROTECTION

A. Seismic protection for fire protection systems shall be in accordance with NFPA 13.5 – 5.4.3.

3.3 INSERTS, HANGERS, ETC

A. All sprinkler piping shall be substantially supported and shall comply with the standards of NFPA 13 for the installation of sprinkler systems and as required by local and state codes.

B. Hangers and their components shall be ferrous. Hangers shall be adjustable, flat iron type or clevis type.

C. Sprinkler piping or hangers shall be substantially supported from the building structure which must support the added load of the water filled pipe plus a minimum of 250 lbs. applied at point of hanging.

D. Sprinkler piping of hangers shall not be used to support non-system components.

E. Sprinkler piping shall be supported independently of the ceiling sheathing.

F. When sprinkler piping is installed below ductwork, piping shall be substantially supported from the building structure, not from ductwork.

G. The maximum distance between hangers shall not exceed 12 feet for 1 " and 1 ¼ " sizes and 15 ft. for sizes 1-1/2 " and larger.

3.4 ESCUTCHEONS

A. Provide escutcheons on all exposed piping passing through walls, partitions, floors and ceilings. Escutcheons shall be held in place by internal tension or set screw.

3.5 INSPECTIONS AND TESTING

A. The sprinkler system shall be inspected and tested in accordance with NFPA 13 and requirements of local and state building codes.

B. All flushing and testing operations shall be in accordance with NFPA 13.

C. The sprinkler system shall be subjected to a hydrostatic pressure test for a period of two hours at a pressure of at least 200 psi or 50 psi in excess of the maximum pressure to be maintained when the maximum pressure in the system is in excess of 150 psi as per NFPA 13.

3.6 GUARANTEE

A. Guarantee for a period of one (1) year from the date of acceptance by the owner. All materials, apparatus and workmanship whether furnished by this contractor or his subcontractors. Replace or repair in a manner approved by the architect and/or engineer, without any cost to the owner, any part or parts of the work which may prove defective or unsatisfactory within the period of the guarantee.

FOR CONTRUCTION
4/20/07

REVISION	DESCRIPTION
1	FDC TO BE KNOX STORZ CAP MODEL 3080 , 4" HAIS ANSHORZED ALUMINUM
2	ADDED SPRINKLER HEADS TO SHOWERS RELOCATED FDC AT SUBCODE REQUEST
3	ADDED STANDPIPE SYSTEM AT SUBCODE REQUEST REVISED NOTES AND ADDED STANDPIPE IN THREE STAIRWELLS

TECHNICAL FIRE SERVICES, INC.
Fire Protection Design Engineering, Testing and Consulting Services

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PROFESSIONAL REVIEW FOR FIRE PROTECTION DESIGN ONLY

PATRICK J. EGAN
PROFESSIONAL ENGINEER
License No. 30703

REVISIONS NO.	DATE
7	4/19/07
8	5/12/07
9	5/14/07

ALBERT M. "BO" ROBINSON EDUCATION & TREATMENT CENTER
375 ENTERPRISE AVE.
TRENTON, NEW JERSEY

BLOCK: 211A LOT: 11

DATE: MARCH 14, 2007	HEADS THIS SHEET: --	SCALE: NOTED	DRAWING NO: FP 1 of 5
DRAWN BY: TB	APPROVED BY: PJE	TYPE: FIRE PROTECTION	

(b)(7)(E)

AUTOMATIC SPRINKLER SYSTEM DESIGNED IN ACCORDANCE WITH NFPA 13 AND 2000 IBC (NEW JERSEY ADDITION). THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND CANNOT BE COPIED AND/OR REPRODUCED WITHOUT THE EXPRESSED WRITTEN CONSENT AND PERMISSION OF TECHNICAL FIRE SERVICES, INC.

(FREE STANDING UL/FM APPROVED) NOTE: FIRE DEPARTMENT CONNECTION TO BE OUTSIDE OF FENCE

FIRST FLOOR FIRE PROTECTION PLAN

1/8 in. = 1 ft.

LOT: 11

DATE: MARCH 14, 2007	HEADS THIS SHEET: 226	SCALE: NOTED	DRAWING NO: FP 2 of 5
DRAWN BY: TB	APPROVED BY: PJE	TYPE: FIRE PROTECTION	

(b)(7)(E)

SECOND FLOOR FIRE PROTECTION PLAN

1/8 in. = 1 ft.

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REVISIONS	
NO.	DATE
7	1/15/07
8	3/12/07
9	3/14/07

ALBERT M. "BO" ROBINSON
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TRENTON, NEW JERSEY

BLOCK: 211A LOT: 11

DATE: MARCH 14, 2007	SHEETS THIS SHEET: 206	SCALE: NOTED	DRAWING NO: FP 3 of 5
DRAWN BY: TB	APPROVED BY: PJE	TYPE: FIRE PROTECTION	

(b)(7)(E)

THIRD FLOOR FIRE PROTECTION PLAN

1/8 in. = 1 ft.

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REVISIONS	
NO.	DATE
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9	5/14/07

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DATE: MARCH 14, 2007	HEADS THIS SHEET: 156	SCALE: NOTED	DRAWING NO: FP 4 of 5
DRAWN BY: TH	APPROVED BY: PJE	TYPE: FIRE PROTECTION	

(b)(7)(E)

ROOF (TOP OF STAIRWELL)
FIRE PROTECTION PLAN
1/8 in. = 1 ft.

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FOR CONTRUCTION
4/20/07

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PROFESSIONAL REVIEW FOR FIRE PROTECTION DESIGN ONLY
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REVISIONS	
NO.	DATE
7	3/15/07
8	3/12/07
9	3/14/07

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DATE: MARCH 14, 2007	HEADS THIS SHEET: 7	SCALE: NOTED	DRAWING NO: FP 5 of 5
DRAWN BY: TH	APPROVED BY: PJE	TYPE: FIRE PROTECTION	

APPENDIX E: ADMINISTRATIVE RECORD INDEX

Environmental Assessment - Contract Award for Comprehensive Detention Services - Newark, New Jersey Area of Responsibility Albert M. "Bo" Robinson Center - Trenton, New Jersey

Document Name/Title	Author	To	Date	Document Description	Record #
Consulting Agency Correspondence, U.S. Army Corps of Engineers	(b)(6),(b)(7)(C), Senior Vice President, WSP	U.S. Army Corps of Engineers, New York Regulatory District	July 11, 2024	Correspondence confirming the absence of wetlands and waters of the U.S. within the Albert M. "Bo" Robinson Center property.	1
Consulting Agency Correspondence, U.S. Fish and Wildlife Service	(b)(6),(b)(7)(C), Senior Vice President, WSP	(b)(6),(b)(7)(C), Field Office Supervisor, U.S. Fish and Wildlife Service, NJ Ecological Services Field Office	July 11, 2024	Correspondence seeking concurrence on findings regarding threatened and endangered species within/near the Albert M. "Bo" Robinson Center property.	2
Consulting Agency Correspondence, NJ Department of Environmental Protection	(b)(6),(b)(7)(C), Senior Vice President, WSP	(b)(6),(b)(7)(C), P.G., Director NJ Department of Environmental Protection, Office of Permit and Project Navigation, Environmental Review Unit	July 11, 2024	Correspondence seeking concurrence on the absence of wetlands and waters of the U.S. and threatened and endangered species habitats within/near the Albert M. "Bo" Robinson Center property.	3
Consulting Agency Correspondence, U.S. Fish and Wildlife Service	(b)(6),(b)(7)(C) Endangered Species Program/Conservation Planning Assistance U.S. Fish and Wildlife Service, NJ Ecological Services Field Office	(b)(6),(b)(7)(C), Senior Vice President, WSP	July 15, 2024	No Effect letter from U.S. Fish and Wildlife Service concerning endangered species affecting the Albert M. "Bo" Robinson Center property.	4
Environmental Assessment with Appendices - Proposal to Award a Contract for Operation and Management of the Albert M. "Bo" Robinson Center – Trenton, New Jersey	(b)(6),(b)(7)(C), Senior Vice President, WSP	(b)(6),(b)(7)(C), Managing Member, 375 Enterprise Avenue LLC	July 16, 2024	Environmental Assessment regarding proposal to award a contract for comprehensive detention services as required by ICE's Enforcement and Removal Operations field office in Newark, New Jersey in compliance with National Environmental Policy Act	5