

ARMORY EGRESS

BRIEFING PACKAGE

VICINITY MAP



PROJECT DESCRIPTION

WE ARE PERFORMING A FEASIBILITY STUDY FOR THE SEATTLE CENTER ARMORY BUILDING EMERGENCY POWER AND RENEWABLES PROJECT. THE PROJECT IS INTENDED TO REPLACE AN AGING GENERATOR, PROVIDE PHOTOVOLTAIC PANELS ON THE ROOF AND A BATTERY STORAGE SYSTEM.

CURRENTLY THERE ARE TWO OPTIONS, THE PREFERRED OPTION, AND THE ALTERNATE OPTION, IF THE PREFERRED OPTION IS UNFEASIBLE. THE PREFERRED OPTION LOCATES THE GENERATOR AND BATTERY STORAGE BELOW THE EXISTING PATIO ON THE WEST SIDE OF THE BUILDING. THE ALTERNATE OPTION LOCATES THE BATTERY STORAGE BELOW THE PATIO AND THE GENERATOR IN AN UNDERGROUND VAULT AT THE NW CORNER OF THE BUILDING. ADDITIONALLY THIS OPTION WOULD REQUIRE A SECOND UNDERGROUND VAULT IN THIS AREA FOR A DIESEL STORAGE TANK.

FOR BOTH OPTIONS, THE GENERATOR, BATTERY STORAGE AND DIESEL TANK REQUIRE VENT PIPES THAT EITHER HAVE TO DISCHARGE 30' AWAY FROM THE BUILDING AND 10' ABOVE GRADE OR THAT HAVE TO RUN UP THE SIDE OF THE BUILDING ABOVE THE ROOFLINE. THE PIPES WOULD BE ~6" DIAMETER.

THE PATIO WOULD ALSO BE EXTENDED AND PARTIALLY OR COMPLETELY REBUILT FOR BOTH OPTIONS.

THE BATTERY STORAGE ENCLOSURE WILL NEED AN ACCESS HATCH IN ALL OPTIONS FOR REMOVAL AND REPLACEMENT OF EQUIPMENT.

EXACT ACCESS TO THE VAULTS AND UNDER PATIO ENCLOSURES HAS NOT BEEN REFINED BUT MAY NECESSATATE SOME ADJUSTMENT IN DIMENSIONS OF THE SPACES. FINAL EQUIPMENT SPECIFICATIONS MAY ALSO REQUIRE ADJUSTMENT OF ENCLOSURE AND VAULT DIMENSIONS.

PROJECT TEAM

PROPERTY OWNER & FINANCIALLY RESPONSIBLE PARTY:

SEATTLE CENTER
305 HARRISON STREET
SEATTLE, WA 98109
206-684-7347

CONTACT PERSON:

JEFF REED, CAPITAL PROJECTS COORDINATOR
206-255-9746
JEFF.REED@SEATTLE.GOV

PRIME CONSULTANT / ELECTRICAL ENGINEER

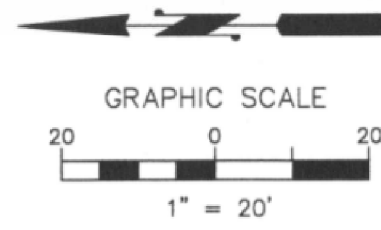
P2S ENG
VAIBHAV PRASAD
480-406-3523
VAIBHAV.PRASAD@P2SINC.COM

ARCHITECT

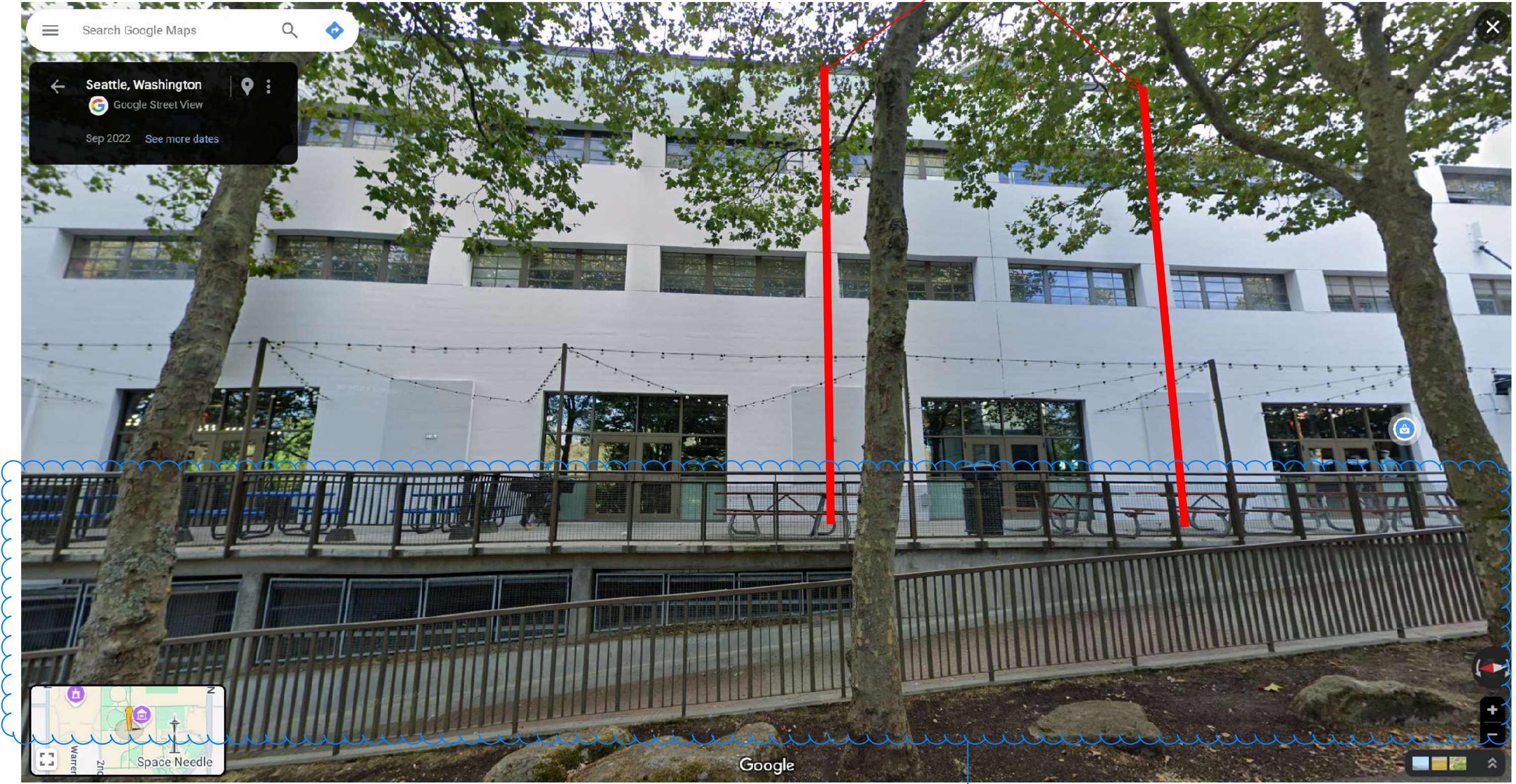
HINGE STUDIO LLC
KATE CUDNEY, PRINCIPAL ARCHITECT
KATE@HINGESTUDIO.NET
ILVA WILSON, PROJECT MANAGER
ILVA@HINGESTUDIO.NET
206-620-1717

DRAWING INDEX

- A0 COVER SHEET
- A1 OPTION 1 FLOOR PLAN
- A2 OPTION 1 WEST SECTION / ELEVATION
- A3 OPTION 1 VIEW FROM THIRD AVENUE
- A4 OPTION 2 FLOOR PLAN
- A5 OPTION 2 WEST SECTION / ELEVATION
- A6 OPTION 2 VIEW FROM THIRD AVENUE
- A7 OPTION 2 VIEW FROM HARRISON STREET
- A8 OPTION 3 FLOOR PLAN
- A9 OPTION 3 ROOF PLAN
- A10 OPTION 3 VIEWS OF NORTHEAST SIDE OF ARMORY
- A11 ROOF PLAN - PHOTOVOLTAIC PANEL LAYOUT



Potential pipe locations



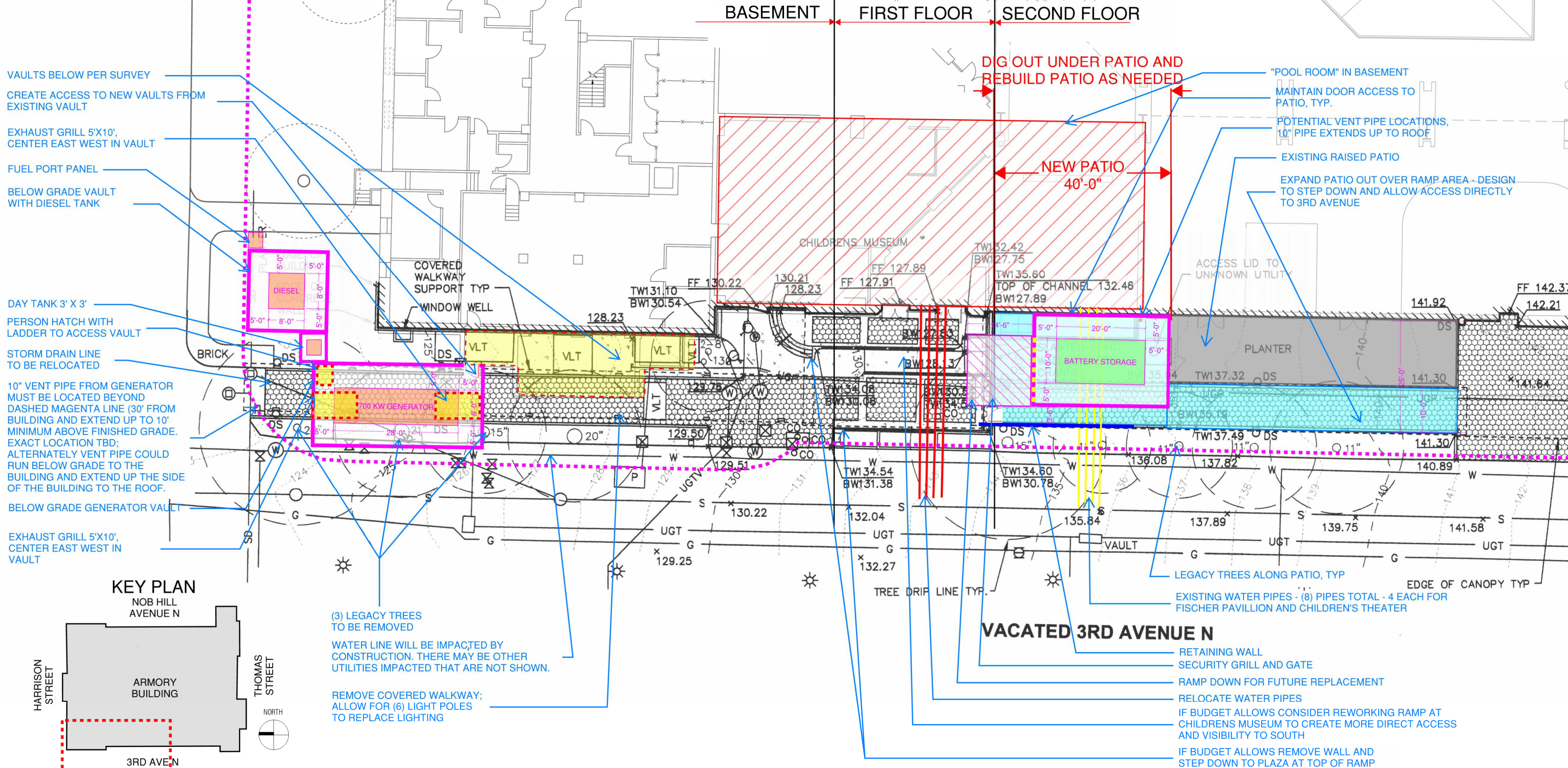
NOTE DECK AND RAMP
AREA WOULD BE REBUILT

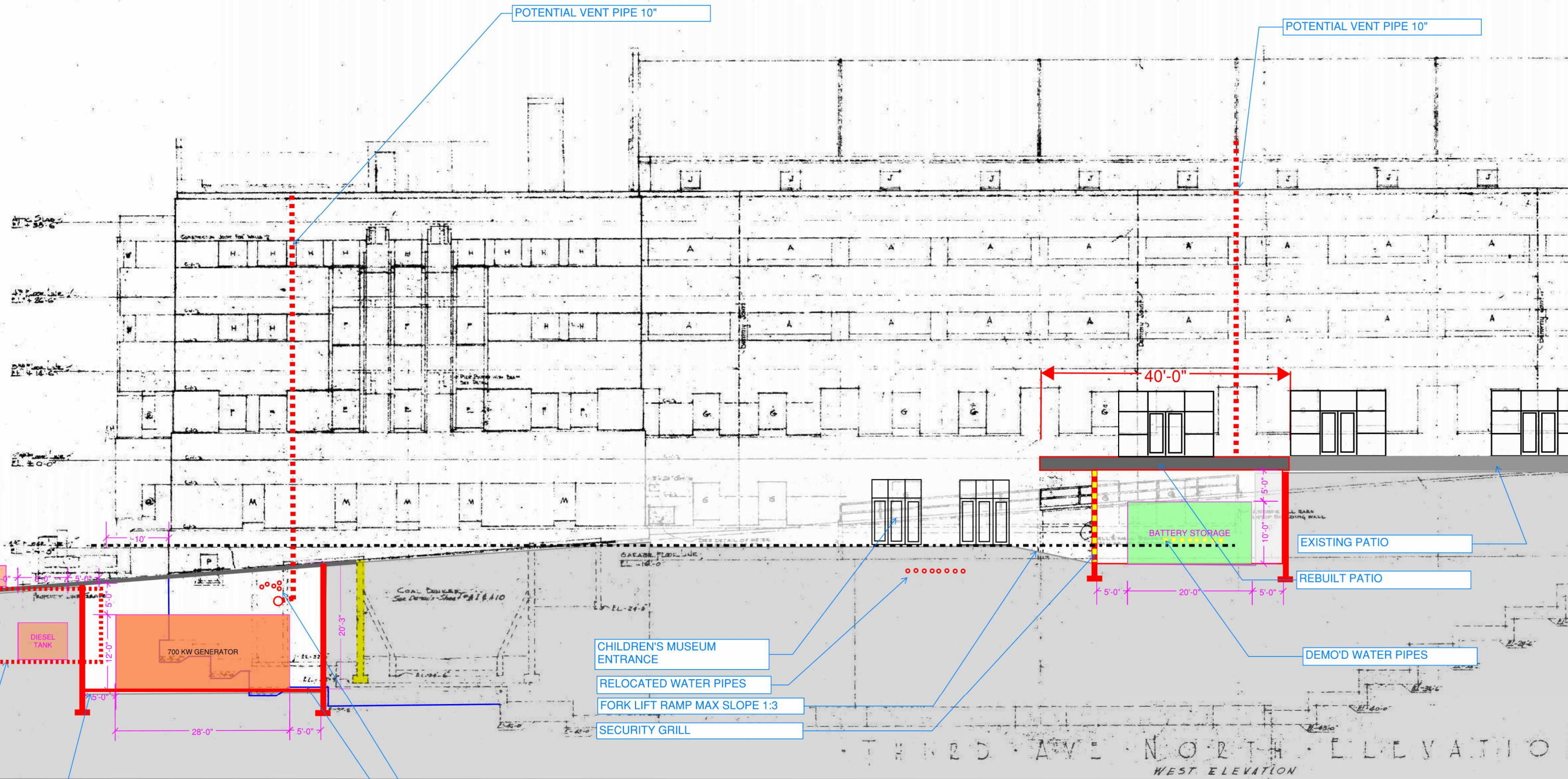
OPTION 1
VIEW FROM THIRD AVENUE
11/06/2024

A3

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FUEL PORT BEYOND

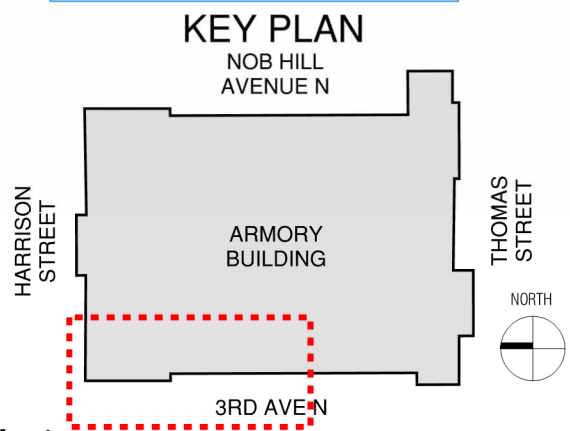
DIESEL TANK VAULT BEYOND

NOTE DUE TO THE LOW ELEVATION OF THE VAULT A PUMP WILL BE NEEDED TO DRAIN THE VAULT

APPROXIMATE LOCATION OF CONDUITS TO BE RELOCATED
LINE OF BUILDING FOUNDATION BEYOND VAULT, CARE WILL NEED TO BE TAKEN TO KEEP FROM IMPACTING EXISTING FOUNDATION

CHILDREN'S MUSEUM ENTRANCE
RELOCATED WATER PIPES
FORK LIFT RAMP MAX SLOPE 1:3
SECURITY GRILL

EXISTING PATIO
REBUILT PATIO
DEMO'D WATER PIPES



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OPTION 2
WEST SECTION / ELEVATION
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A5



10" VENT PIPE LOCATION
EXTENDING UP TO ROOF

REMOVE THREE LEGACY
TREES

COVERED WALKWAY TO BE
REMOVED, LIGHTING WOULD
NEED TO BE ADDED TO PATH

APPROXIMATE
UNDERGROUND DIESEL TANK
VAULT, BEYOND

APPROXIMATELY 30' OUT
FROM BUILDING

APPROXIMATE
UNDERGROUND VAULT
LOCATION

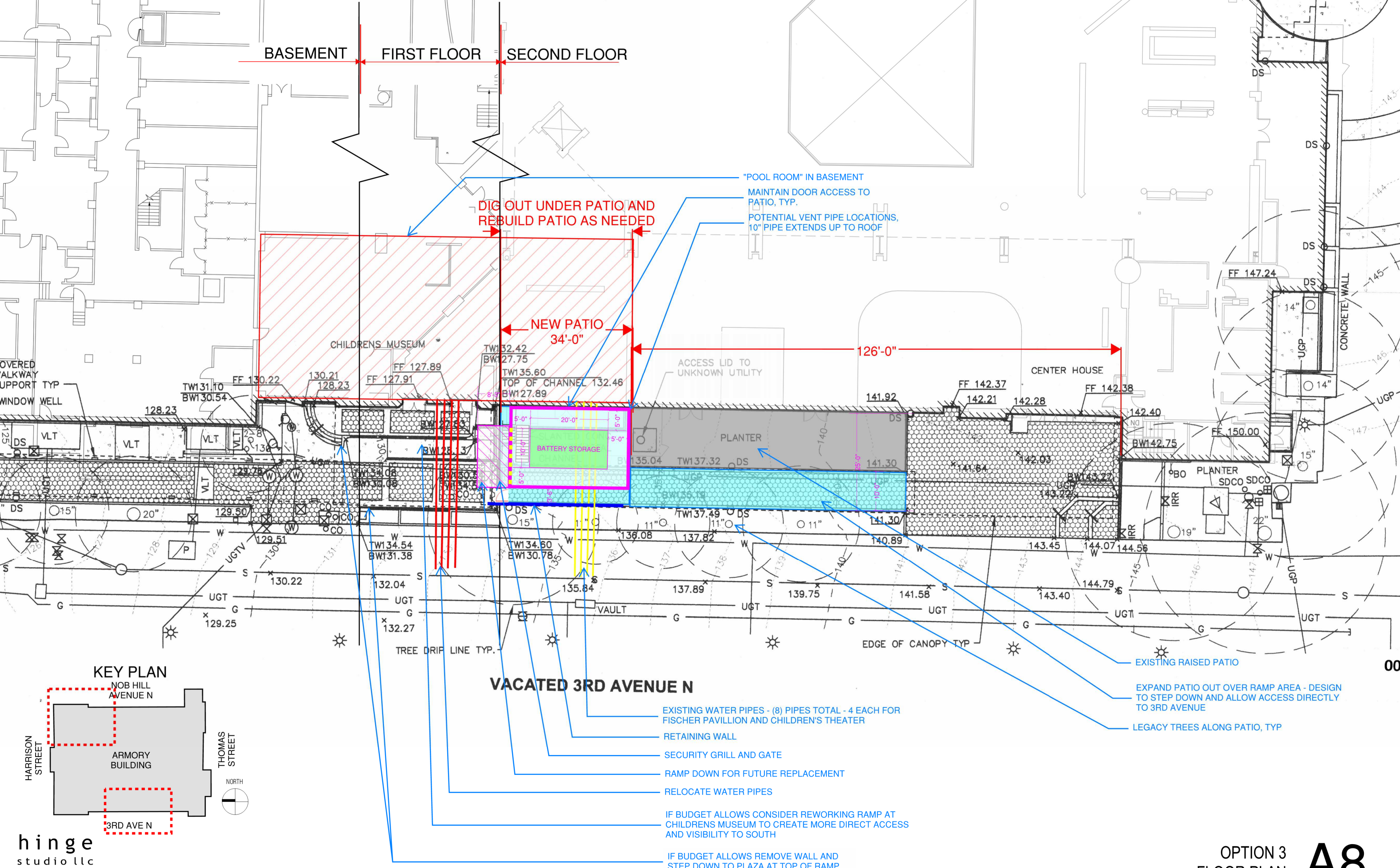


FUEL PORT

FULE TANK BELOW GRADE

DEMO COVERED WALKWAY

GENERATOR VAULT BELOW GRADE



BASEMENT FIRST FLOOR SECOND FLOOR

DIG OUT UNDER PATIO AND REBUILD PATIO AS NEEDED

NEW PATIO 34'-0"

"POOL ROOM" IN BASEMENT
MAINTAIN DOOR ACCESS TO PATIO, TYP.
POTENTIAL VENT PIPE LOCATIONS, 10" PIPE EXTENDS UP TO ROOF

ACCESS LID TO UNKNOWN UTILITY

CENTER HOUSE

BATTERY STORAGE

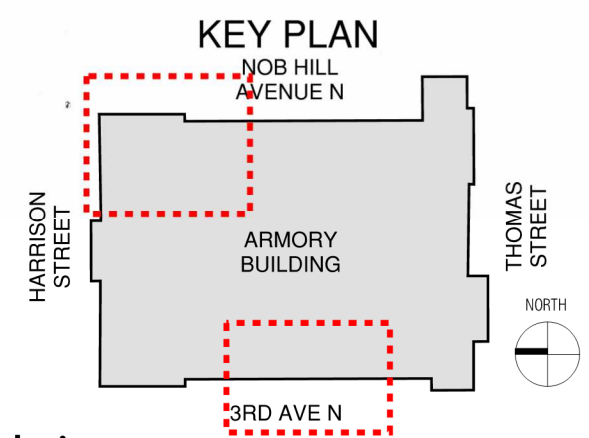
PLANTER

PLANTER

VACATED 3RD AVENUE N

- EXISTING WATER PIPES - (8) PIPES TOTAL - 4 EACH FOR FISCHER PAVILLION AND CHILDREN'S THEATER
- RETAINING WALL
- SECURITY GRILL AND GATE
- RAMP DOWN FOR FUTURE REPLACEMENT
- RELOCATE WATER PIPES
- IF BUDGET ALLOWS CONSIDER REWORKING RAMP AT CHILDRENS MUSEUM TO CREATE MORE DIRECT ACCESS AND VISIBILITY TO SOUTH
- IF BUDGET ALLOWS REMOVE WALL AND STEP DOWN TO PLAZA AT TOP OF RAMP

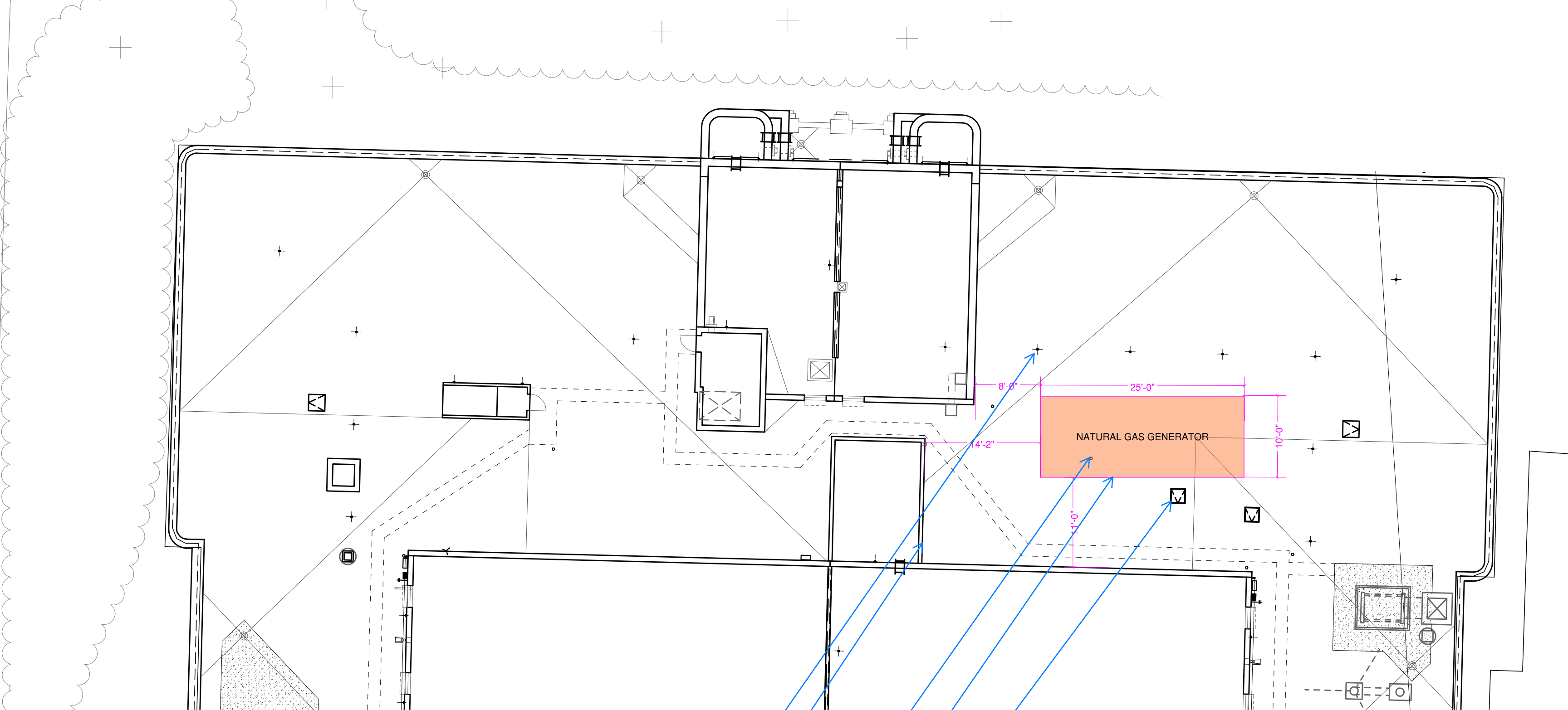
- EXISTING RAISED PATIO
- EXPAND PATIO OUT OVER RAMP AREA - DESIGN TO STEP DOWN AND ALLOW ACCESS DIRECTLY TO 3RD AVENUE
- LEGACY TREES ALONG PATIO, TYP



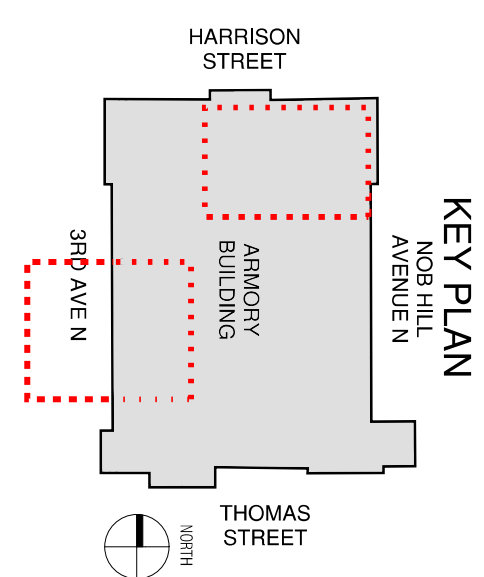
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OPTION 3
FLOOR PLAN
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A8



- EXHAUST MUSHROOM CAPS TYP
- MAINTAIN 10' MIN CLEAR FROM EXISTING LOUVERS
- RELOCATE PLUMBING VENT AS NEEDED
- NATURAL GAS GENERATOR CABINET ON CURB
- EXISTING ROOF HATCH TO REMAIN

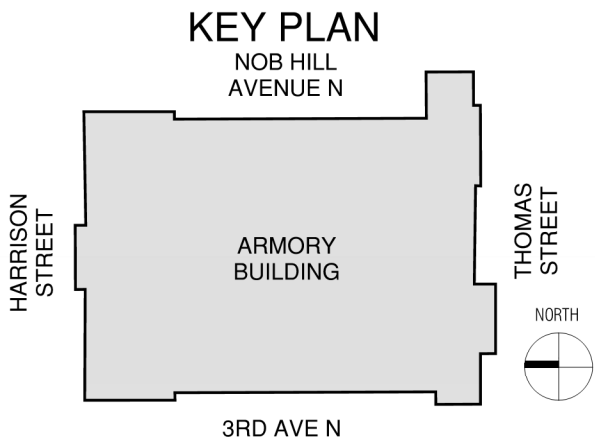




VIEW FROM TOP OF THE PLAZA ON WEST
SIDE OF THE MUSEUM OF POP CULTURE



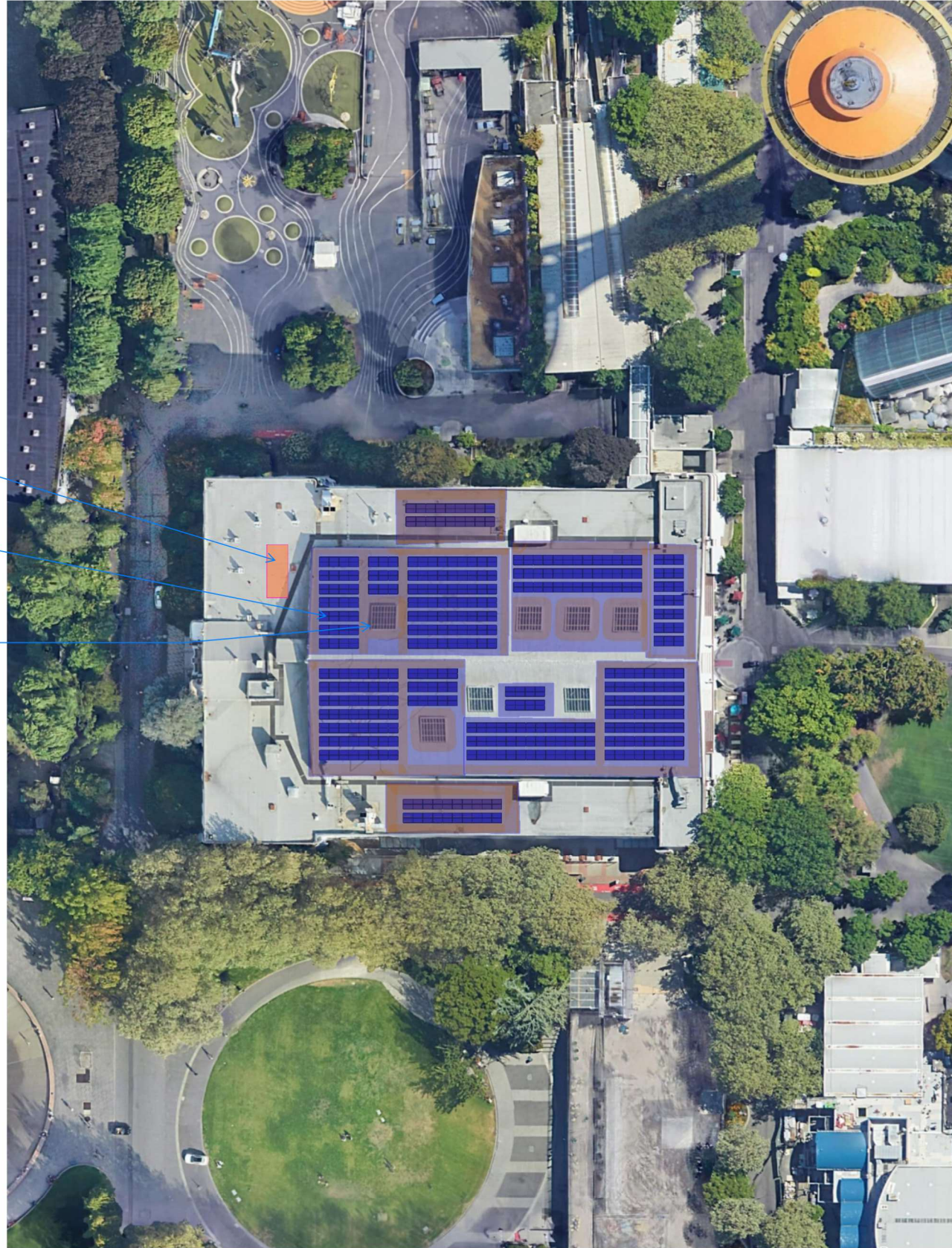
VIEW FROM HARRISON STREET



OPTION 3 NATURAL GAS GENERATOR

PHOTOVOLTAIC ARRAY TYP.
ALIGN PANELS WITH ROOF
ANGLE AND TOP OF
ADJACENT SKYLIGHTS

EXISTING SKYLIGHTS, TYP



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ROOF PLAN
PHOTOVOLTAIC PANEL LAYOUT
10/25/2024

A11