New York City Department of Correction

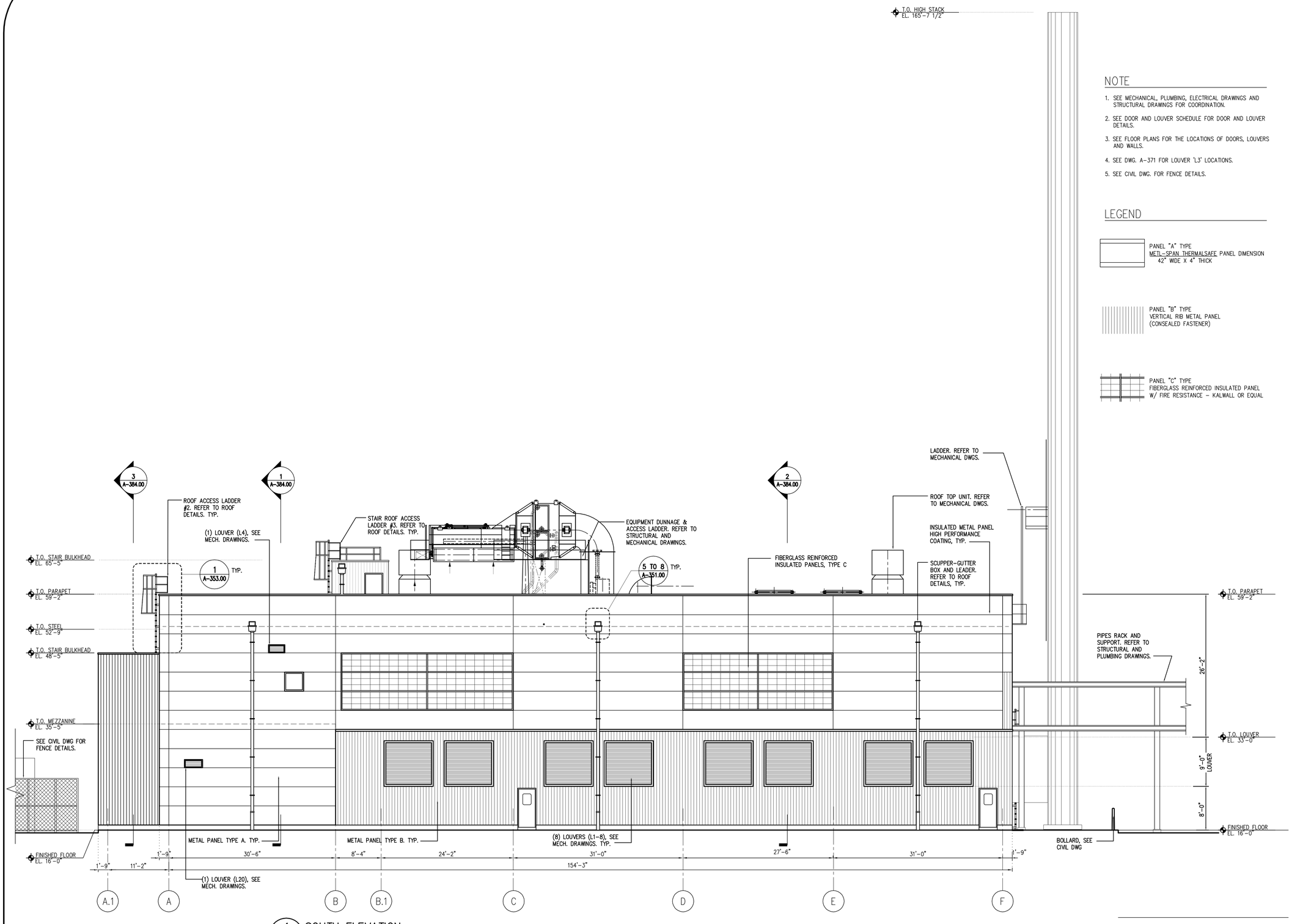
Rikers Island Energy Infrastructure Upgrade

PROJECT ENGINEERING PACKAGE

Michael R. Bloomberg
Mayor

Dora B. Schriro
Commissioner

Printed on paper containing 30% post-consumer material



1 SOUTH ELEVATION
A-370.00 SCALE : 1/8"=1'-0"

GRAPHIC SCALE: 1/8" = 1'-0"
0' 5' 10' 15' 20' 25' 30'

ISSUE FOR DOB

NOTE

1. SEE MECHANICAL, PLUMBING, ELECTRICAL DRAWINGS AND STRUCTURAL DRAWINGS FOR COORDINATION.
2. SEE DOOR AND LOUVER SCHEDULE FOR DOOR AND LOUVER DETAILS.
3. SEE FLOOR PLANS FOR THE LOCATIONS OF DOORS, LOUVERS AND WALLS.
4. SEE DWG. A-371 FOR LOUVER 'L3' LOCATIONS.
5. SEE CIVIL DWG. FOR FENCE DETAILS.

LEGEND

PANEL "A" TYPE
METL-SPAN THERMALSAFE PANEL DIMENSION
42" WIDE X 4" THICK

PANEL "B" TYPE
VERTICAL RIB METAL PANEL
(CONSEALED FASTENER)

PANEL "C" TYPE
FIBERGLASS REINFORCED INSULATED PANEL
W/ FIRE RESISTANCE - KALWALL OR EQUAL

New York Power Authority

AECOM

20 Exchange Place, New York NY 10005

NEW YORK CITY
DEPARTMENT OF CORRECTION

REVISIONS

NO.	DATE	DESCRIPTION	BY	APPD.
	07/01/11	ISSUE FOR DOB		

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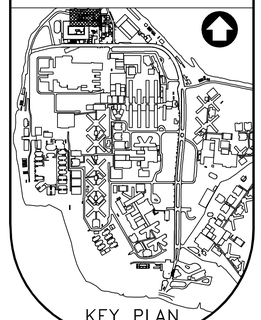


KEY PLAN

RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

ARCHITECTURAL

GAS TURBINE BUILDING
SOUTH ELEVATION

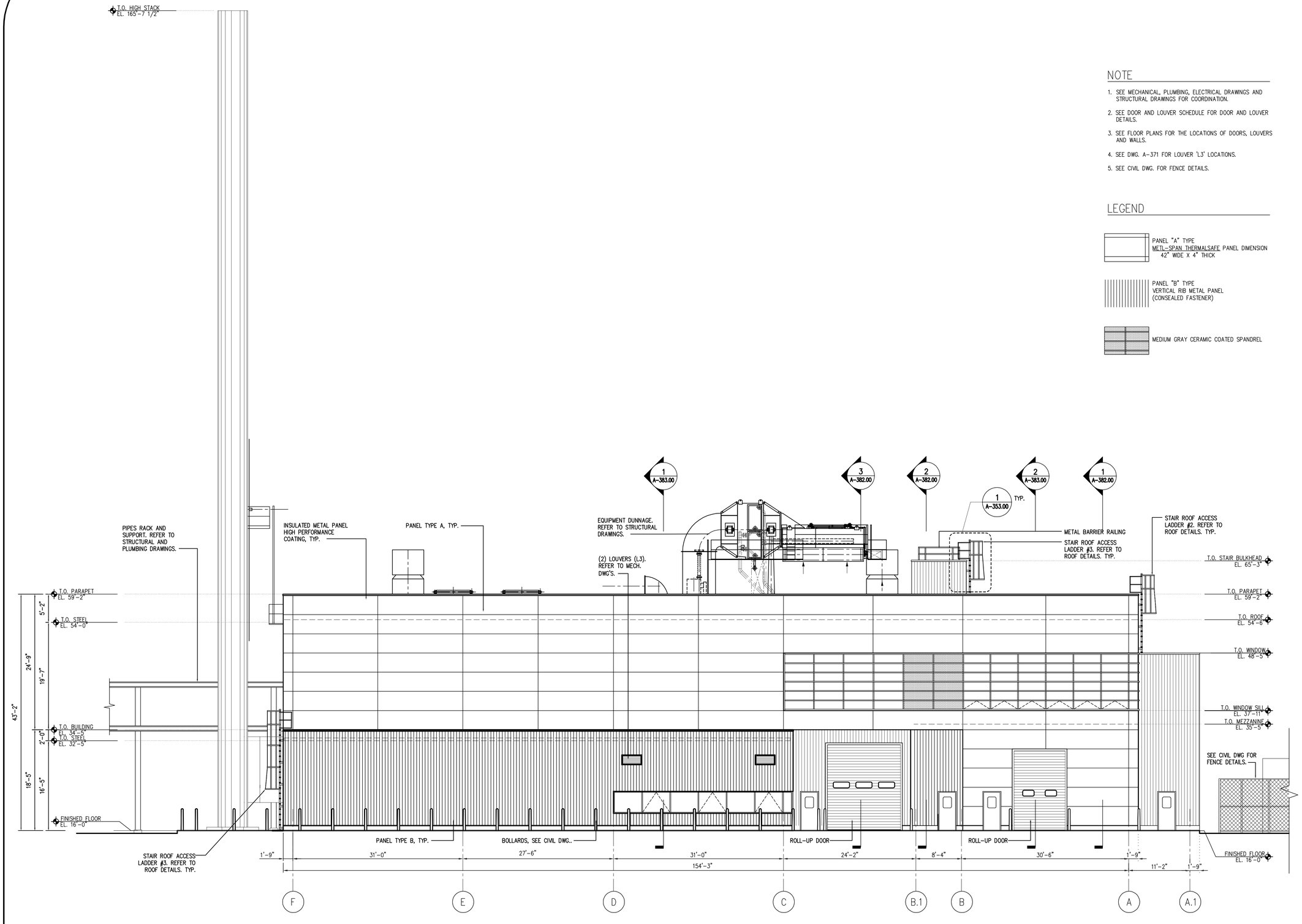
PROJECT MANAGER:	M.GILLESPIE	SCALE:	1/8"=1'-0"
DESIGNED BY:	A.IONESCU	DATE:	
DRAWN BY:	C.S.	AECOM PROJECT NO.	60020717
CHECKED BY:			

FILE LOCATION: G:\60020717 RIKERS ISLAND\RIKERS ISO\001 CADD\ARCH\SHEET

DRAWING NO.

A-370.00

SHEETS NO. 77 OF 265



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LEGEND

PANEL "A" TYPE
METL-SPAN THERMALSAFE PANEL DIMENSION
42" WIDE X 4" THICK

PANEL "B" TYPE
VERTICAL RIB METAL PANEL
(CONSEALED FASTENER)

MEDIUM GRAY CERAMIC COATED SPANDREL

1 / A-371.00 NORTH ELEVATION
SCALE : 1/8"=1'-0"

GRAPHIC SCALE: 1/8" = 1'-0"
0' 5' 10' 15' 20' 25' 30'

ISSUE FOR DOB

New York Power Authority

AECOM

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NEW YORK CITY
DEPARTMENT OF CORRECTION

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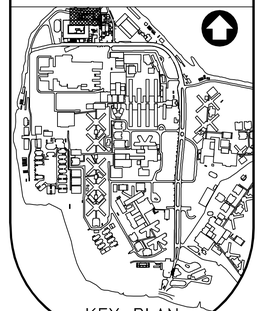


KEY PLAN

RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

ARCHITECTURAL

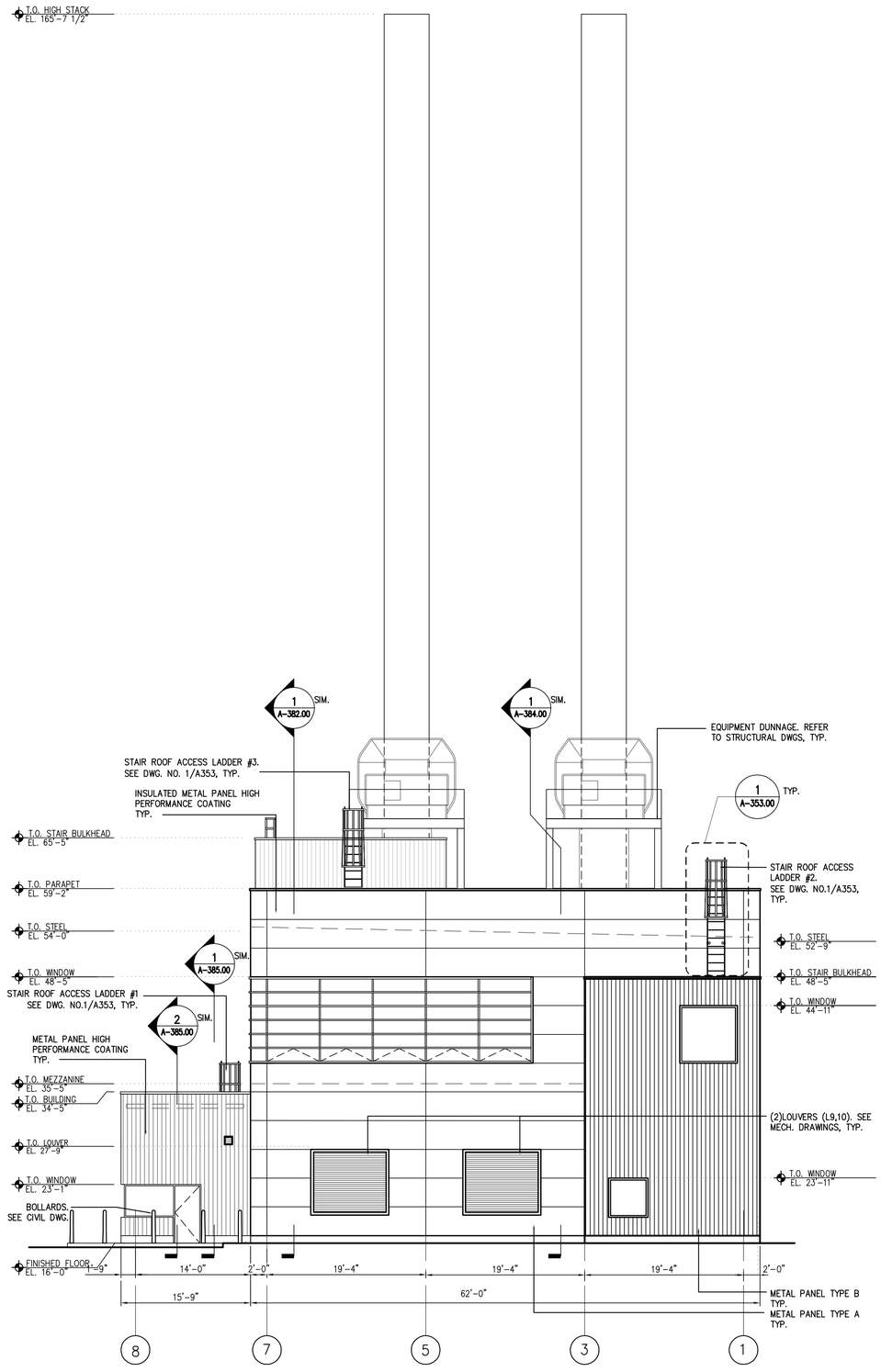
GAS TURBINE BULDING
NORTH ELEVATION

PROJECT MANAGER:	M.GILLESPIE	SCALE:	1/8"=1'-0"
DESIGNED BY:	A.IONESCU	DATE:	
DRAWN BY:	C.S.	AECOM PROJECT NO.	60020717
CHECKED BY:			

FILE LOCATION: G:\60020717 RIKERS ISLAND\RIKERS ISO\001 CADD\ARCH\SHEET

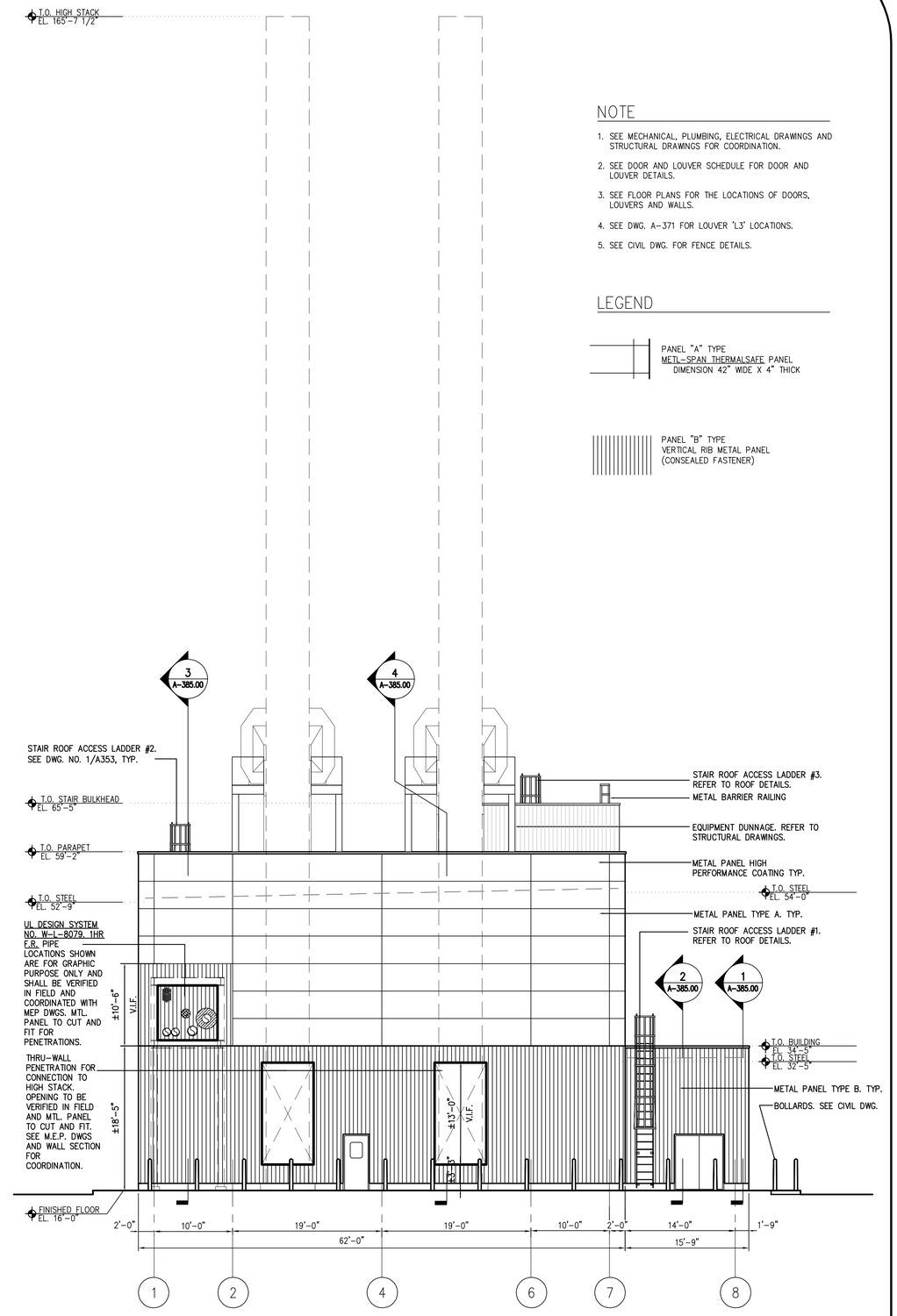
DRAWING NO.

A-371.00



1 A-372.00 WEST ELEVATION

SCALE : 1/8"=1'-0"



2 A-372.00 EAST ELEVATION

SCALE : 1/8"=1'-0"

GRAPHIC SCALE: 1/8" = 1'-0"

0' 5' 10' 15' 20' 25' 30'

ISSUE FOR DOB

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DIMENSION 42" WIDE X 4" THICK

PANEL "B" TYPE
VERTICAL RIB METAL PANEL
(CONSEALED FASTENER)

New York Power Authority

AECOM

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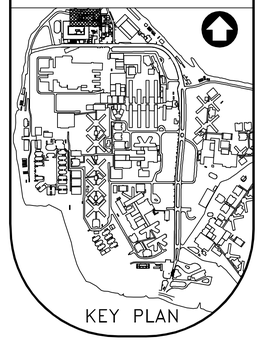


KEY PLAN

RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

ARCHITECTURAL

GAS TURBINE BUILDING
EAST & WEST
ELEVATIONS

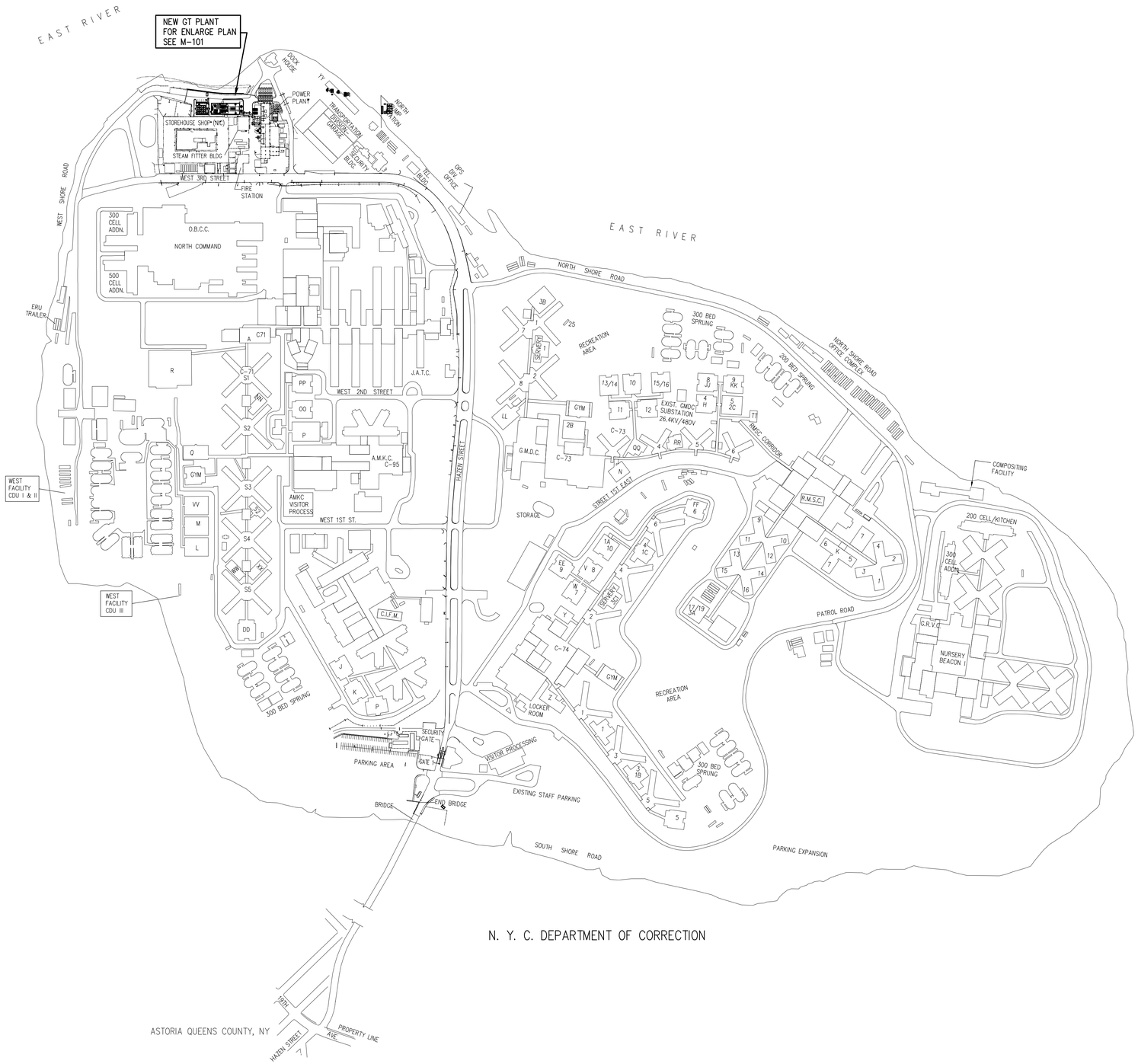
PROJECT MANAGER: M.GILLESPIE	SCALE: 1/8"=1'-0"
DESIGNED BY: A.IONESCU	DATE:
DRAWN BY: C.S.	AECOM PROJECT NO.
CHECKED BY:	60020717

FILE LOCATION: Q:\60020717 RIKERS ISLAND\RIKERS ISO\001 CADD\ARCH\SHEET

DRAWING NO.

A-372.00

SHEETS NO. 79 OF 265



N. Y. C. DEPARTMENT OF CORRECTION

0' 300' 600' 900' 1200'

GRAPHIC SCALE

ISSUE FOR DOB

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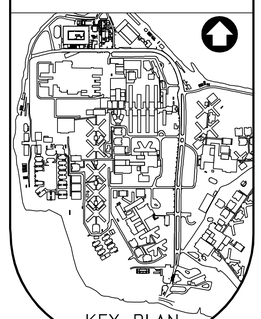


KEY PLAN

RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

MECHANICAL

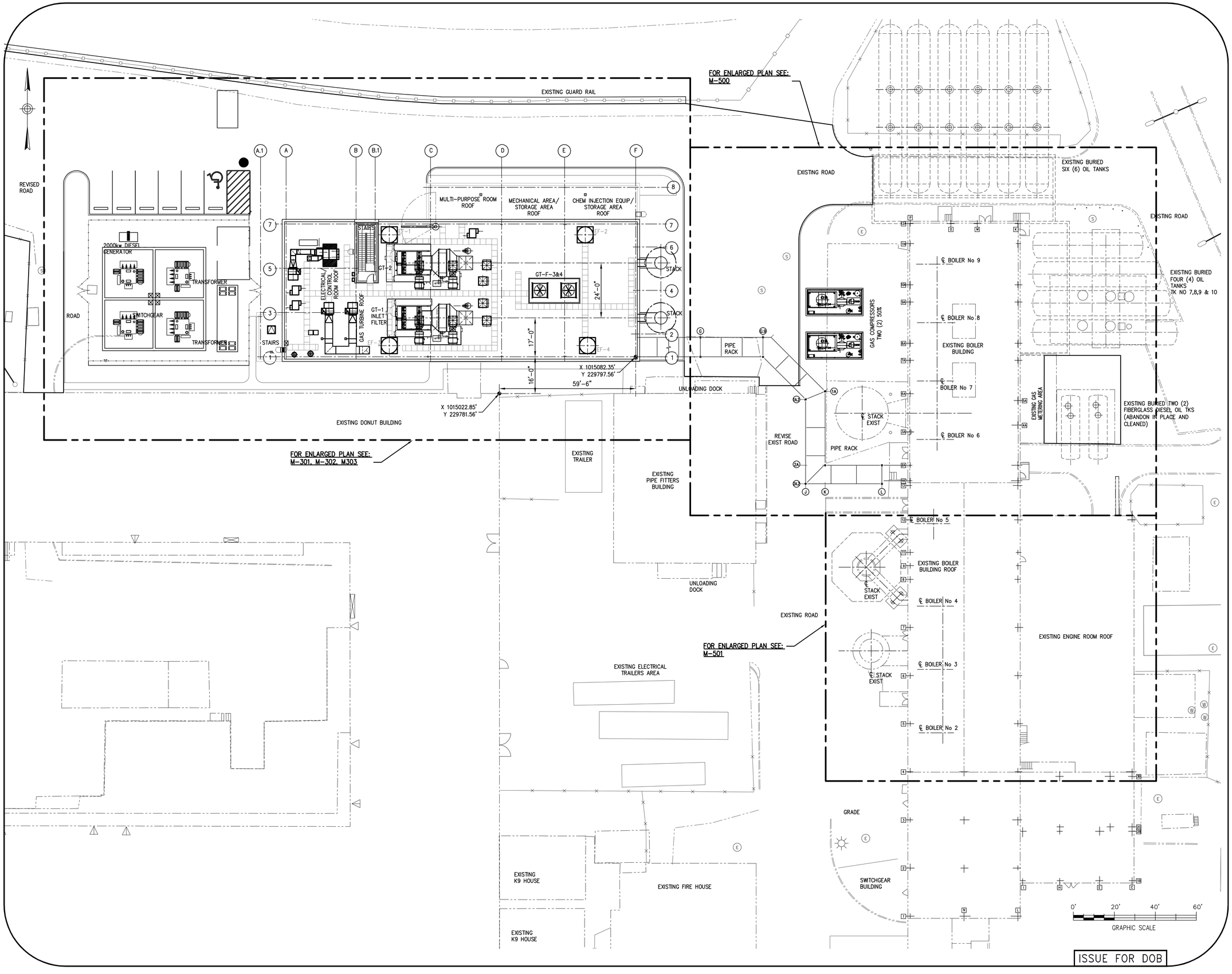
PLOT PLAN

PROJECT MANAGER:	M.GILLESPIE	SCALE:	1" = 300'
DESIGNED BY:	JS ZAFFOS	DATE:	12/12/2008
DRAWN BY:	JS ZAFFOS	AECOM PROJECT NO.	60020717
CHECKED BY:	P. YALLOURIS		
FILE LOCATION:	G:\60020717 RIKERS ISLAND\RIKERS ISL\001 CADD\MECH\SHEET		

DRAWING NO.

M-100.00

SHEETS NO. 111 OF 265



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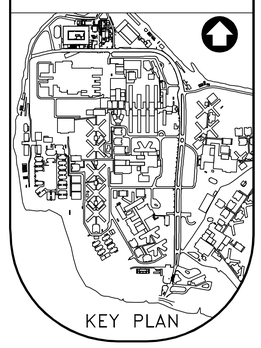


RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

MECHANICAL

ENLARGED PLOT PLAN
NORTH SIDE

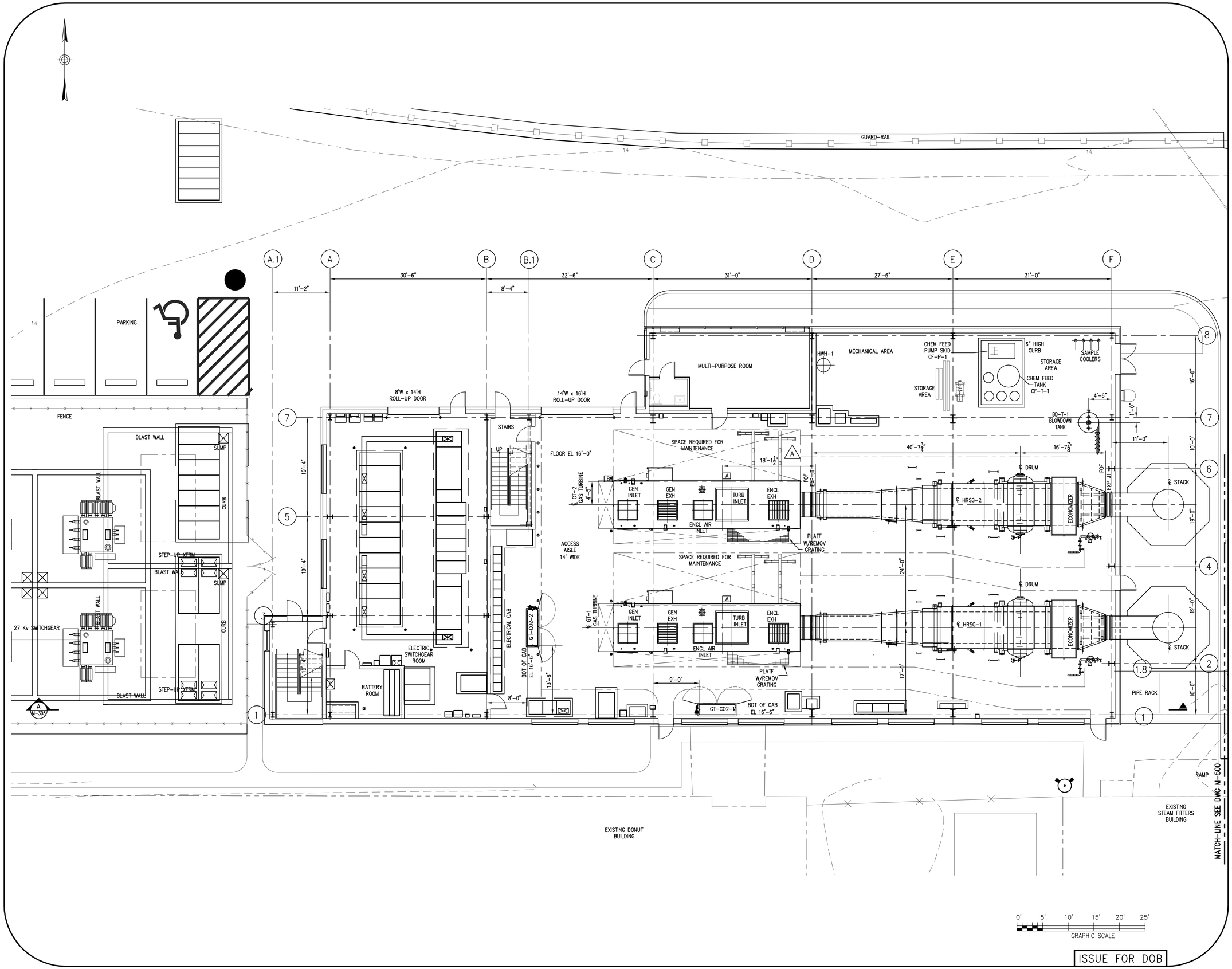
PROJECT MANAGER:	M.GILLESPIE	SCALE:	1"=20'
DESIGNED BY:	JS ZAFFOS	DATE:	12/12/2008
DRAWN BY:	JS ZAFFOS	AECOM PROJECT NO.	60020717
CHECKED BY:	P YALLOURIS		

FILE LOCATION: G:\60020717 RIKERS ISLAND\RIKERS ISL\001 CADD\MECH\SHEET

DRAWING NO.

M-101.00

SHEETS NO. 112 OF 265



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KEY PLAN

RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

MECHANICAL

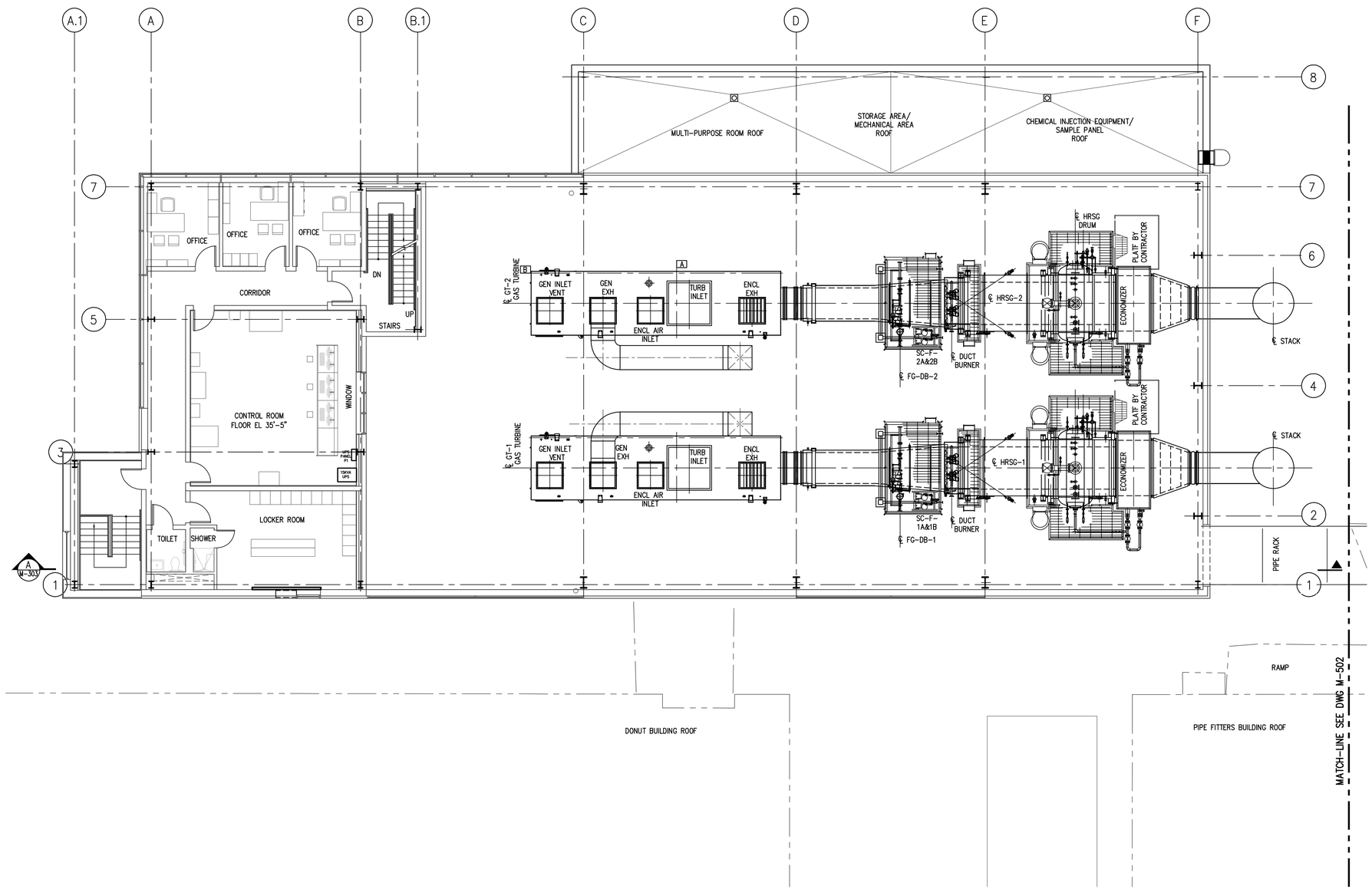
GENERAL ARRANGEMENT
GAS TURBINE BLUILDING
GROUND FLR PLAN EL 16'-0"

PROJECT MANAGER:	M.GILLESPIE	SCALE:	1/8"=1'-0"
DESIGNED BY:	JS ZAFFOS	DATE:	12/12/2008
DRAWN BY:	JS ZAFFOS	AECOM PROJECT NO.	60020717
CHECKED BY:	P YALLOURIS		
FILE LOCATION:	G:\60020717 RIKERS ISLAND\RIKERS ISO\001 CADD\MECH\SHEET		

DRAWING NO.

M-300.00

SHEETS NO. 113 OF 265



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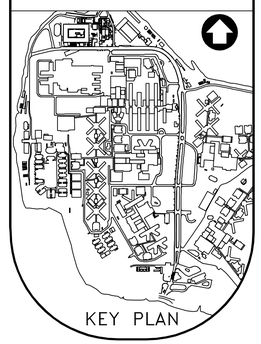


RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

MECHANICAL

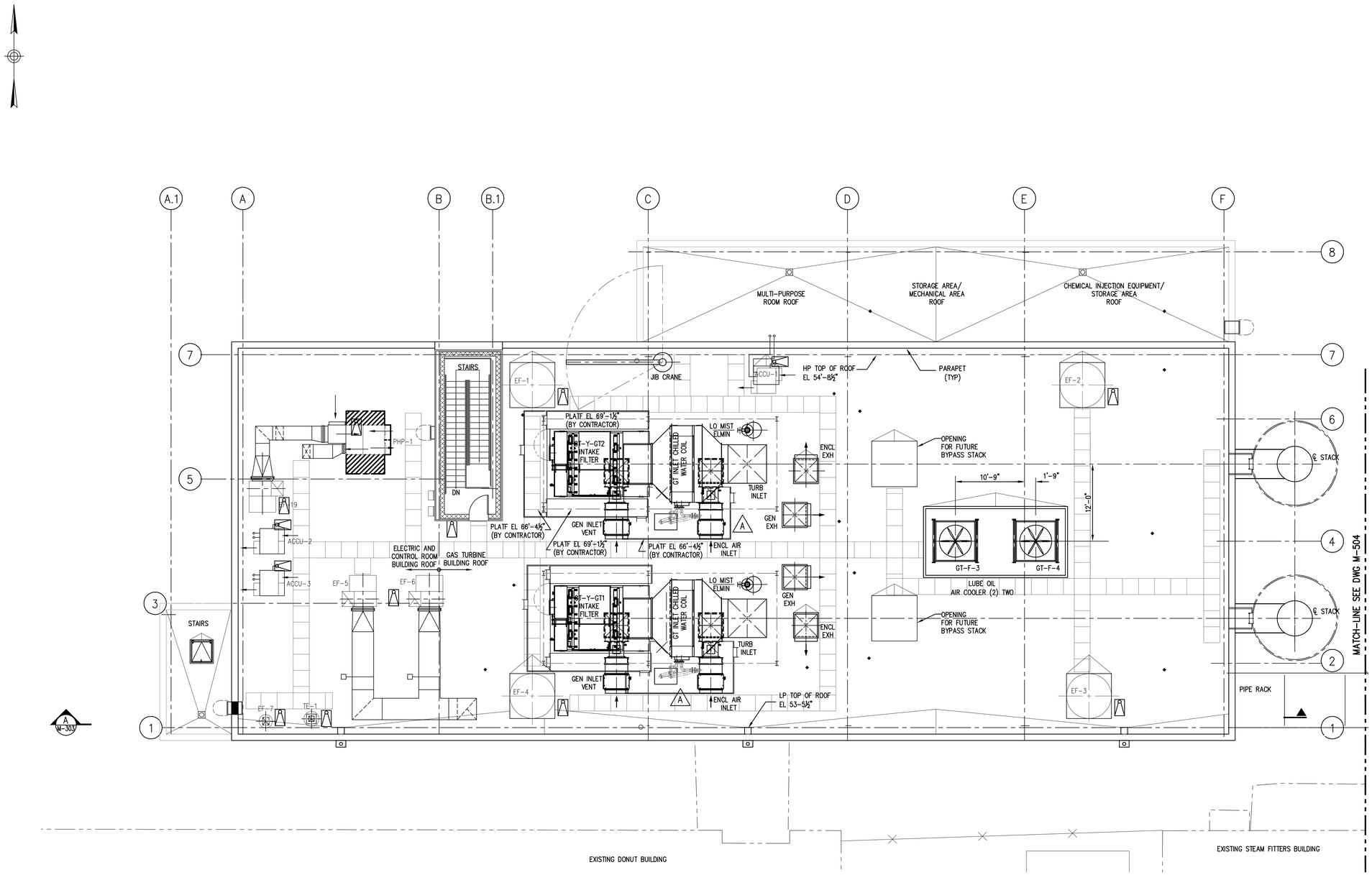
GENERAL ARRANGEMENT
GAS TURBINE BUILDING
MEZZ FLR PLAN EL 35'-5"

PROJECT MANAGER:	M.GILLESPIE	SCALE:	1/8"=1'-0"
DESIGNED BY:	JS ZAFFOS	DATE:	12/12/2008
DRAWN BY:	JS ZAFFOS	AECOM PROJECT NO.	60020717
CHECKED BY:	P YALLOURIS		
FILE LOCATION:	Q:\60020717 RIKERS ISLAND\RIKERS ISO\001 CADD\MECH\SHEET		

DRAWING NO.

M-301.00

SHEETS NO. 114 OF 265



0' 5' 10' 15' 20' 25'
GRAPHIC SCALE

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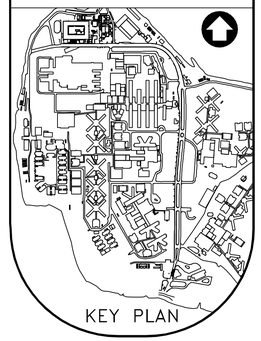


RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

MECHANICAL

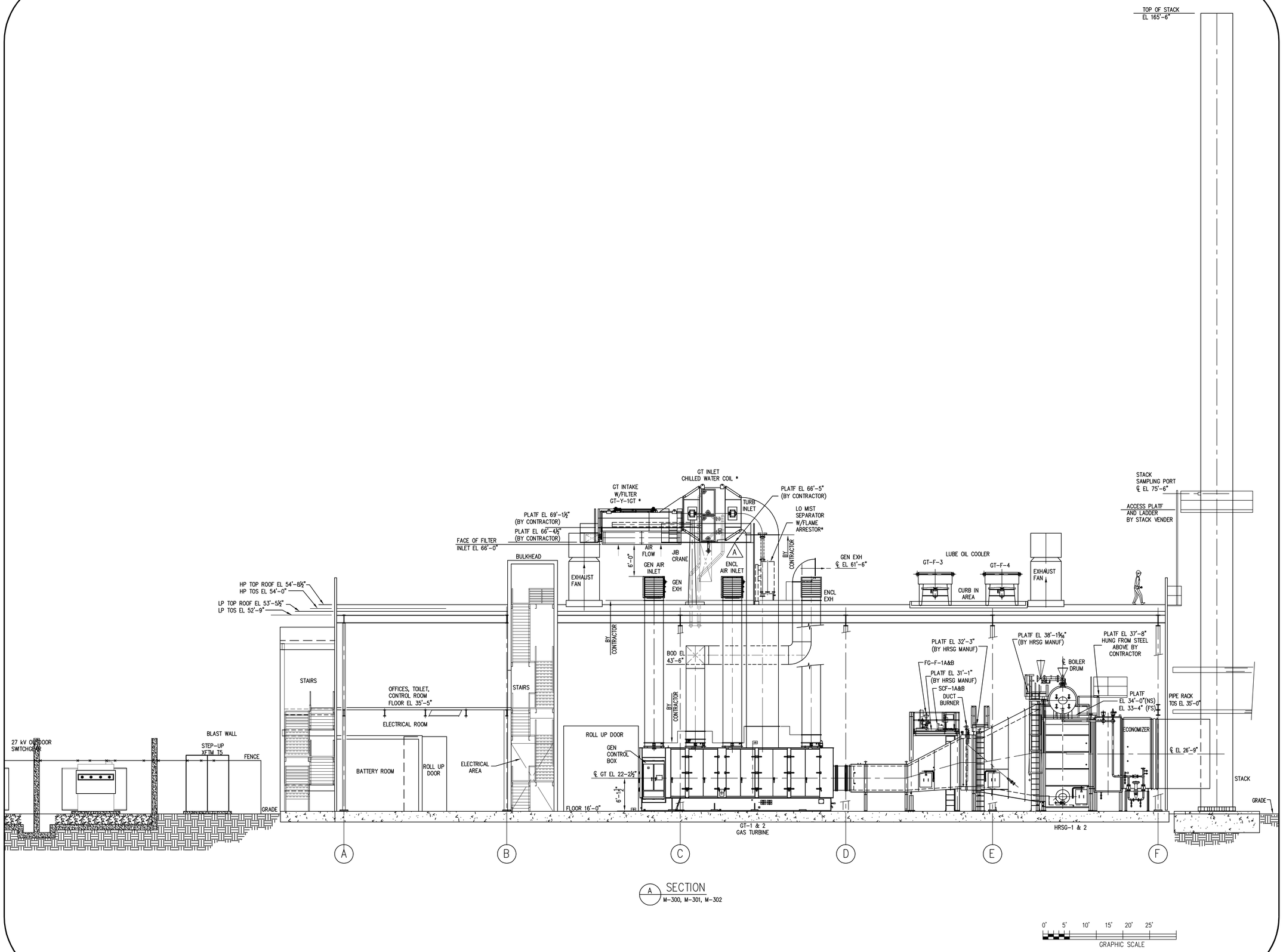
GENERAL ARRANGEMENT
GAS TURBINE BUILDING
ROOF PLAN EL 53'-11"

PROJECT MANAGER:	M.GILLESPIE	SCALE:	1/8"=1'-0"
DESIGNED BY:	JS ZAFFOS	DATE:	12/12/2008
DRAWN BY:	JS ZAFFOS	AECOM PROJECT NO.	60020717
CHECKED BY:	P YALLOURIS		
FILE LOCATION:	G:\60020717 RIKERS ISLAND\RIKERS ISO\001 CADD\MECH\SHEET		

DRAWING NO.

M-302.00

SHEETS NO. 115 OF 265



A SECTION
M-300, M-301, M-302

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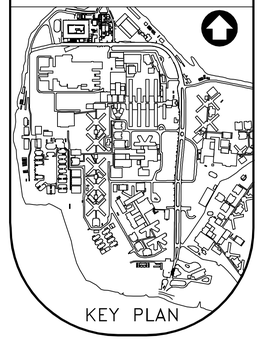

RIKERS ISLAND

17-25 HAZEN STREET
E. ELMHURST N.Y. 11370

COGENERATION PLANT

MECHANICAL

GENERAL ARRANGEMENT
GAS TURBINE BUILDING
SECTION A-A

PROJECT MANAGER:	M.GILLESPIE	SCALE:	1/8"=1'-0"
DESIGNED BY:	JS ZAFFOS	DATE:	12/12/2008
DRAWN BY:	JS ZAFFOS	AECOM PROJECT NO.	60020717
CHECKED BY:	P YALLOURIS		

FILE LOCATION: G:\60020717 RIKERS ISLAND\RIKERS ISL\001 CADD\MECH\SHEET

DRAWING NO.

M-303.00

SHEETS NO. 116 OF 265