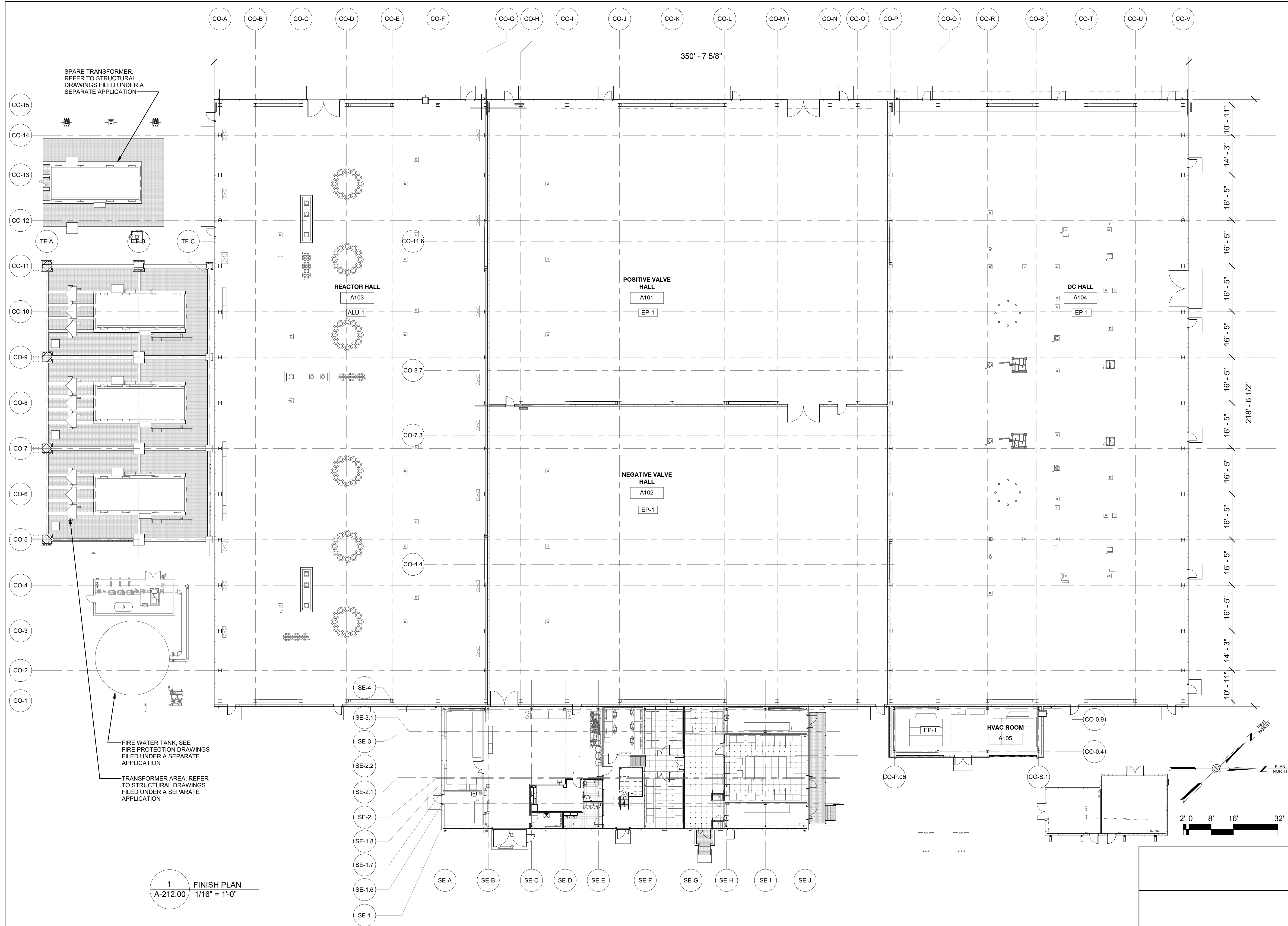
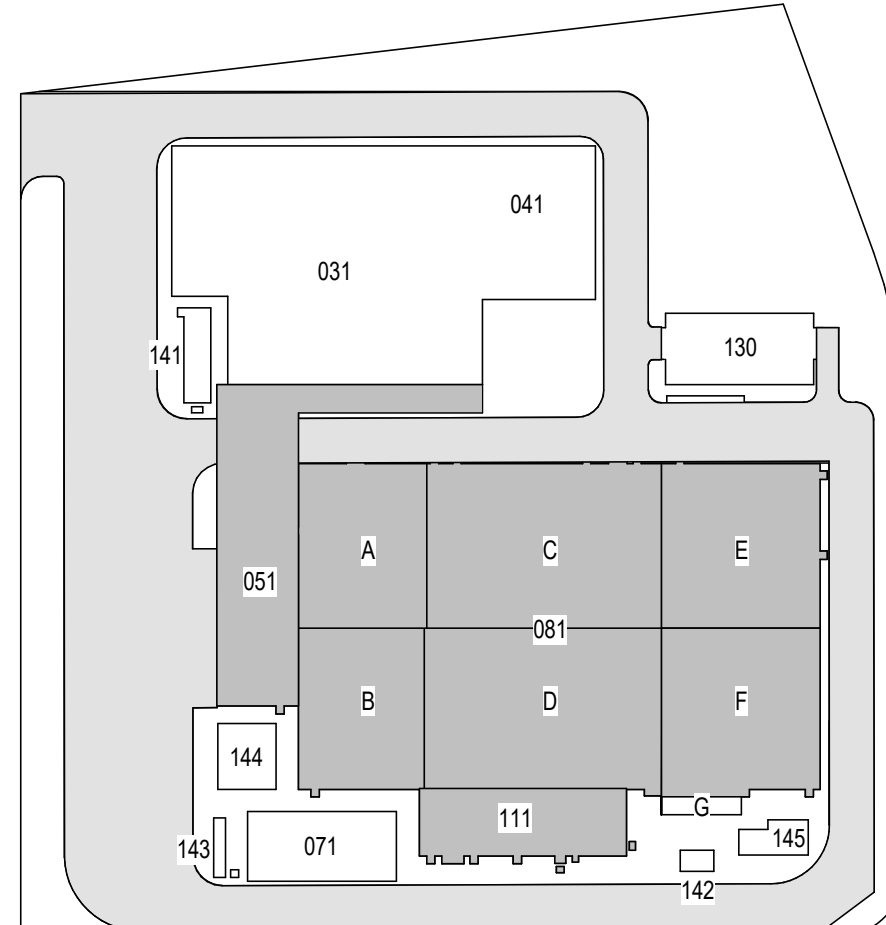


12/8/2022 2:36:21 PM



NOTE:
REFER TO A704 FOR FINISH SCHEDULE

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KEY PLAN
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Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

CHPE
Champlain Hudson
Power Express

**Astoria HVDC
Converter Station**

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**CONVERTER AND SERVICE
BUILDING OVERALL
FINISH PLAN**

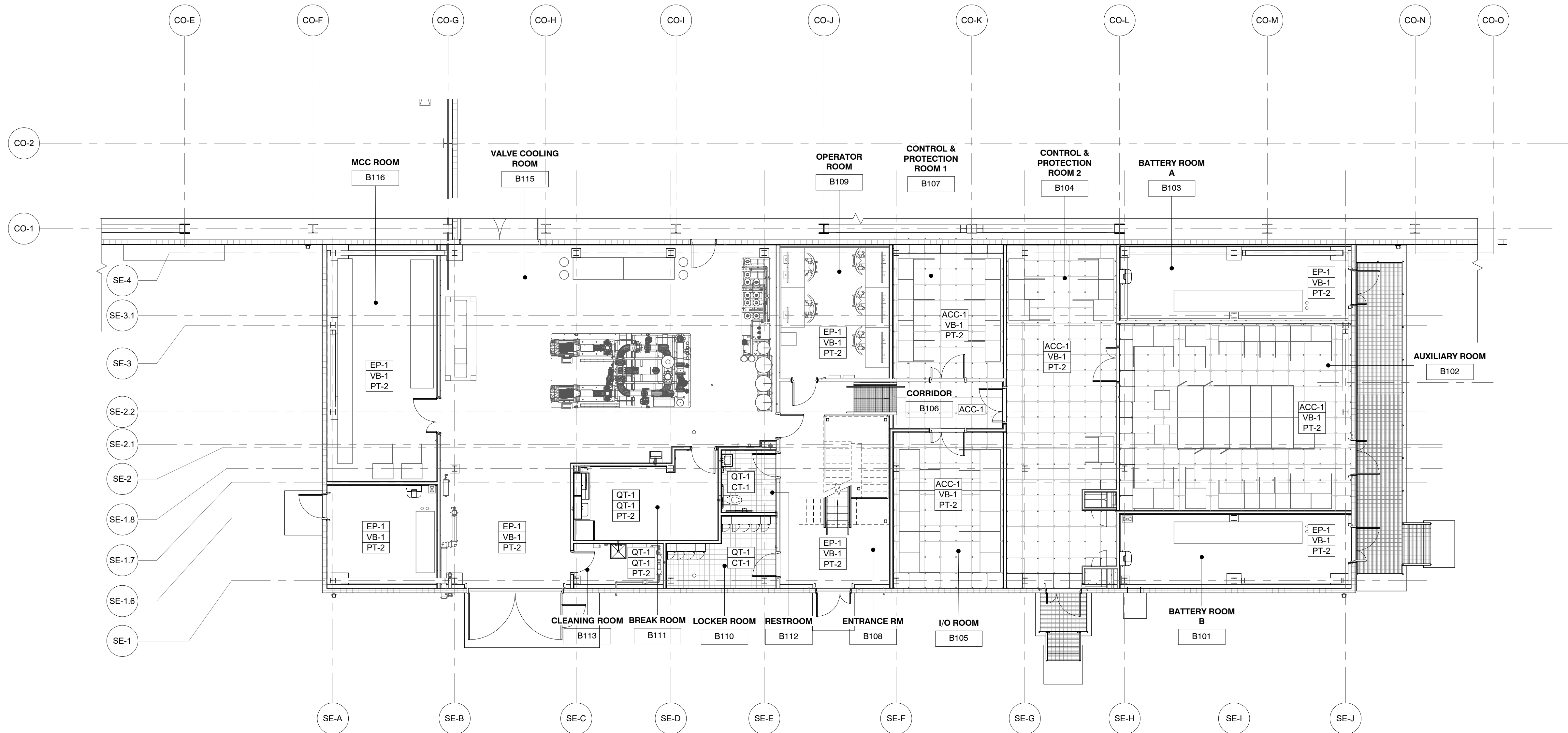


DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO

A-163.00

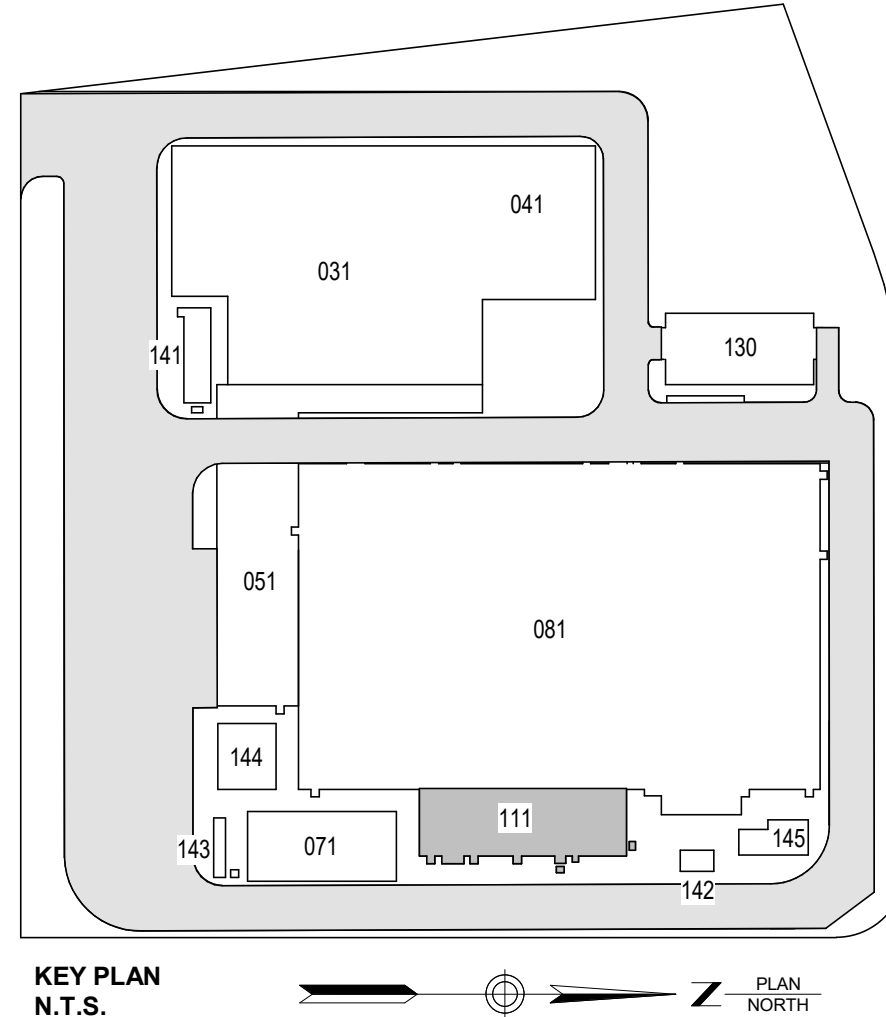
CADD FILE NO
Astoria-HVDC-CHPE
Astoria-CHPE-111-ZZ-M3-A-001.rvt

1 SERVICE BUILDING FIRST FLOOR FINISH PLAN
A-212.00 1/8" = 1'-0"



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B	FINAL SUBMISSION	RAC	ZH	12/12/2022
A	INTERIM SUBMISSION	RAC	ZH	09/13/2022

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901 Main Campus Drive
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Champlain Hudson
Power Express

**Astoria HVDC
Converter Station**

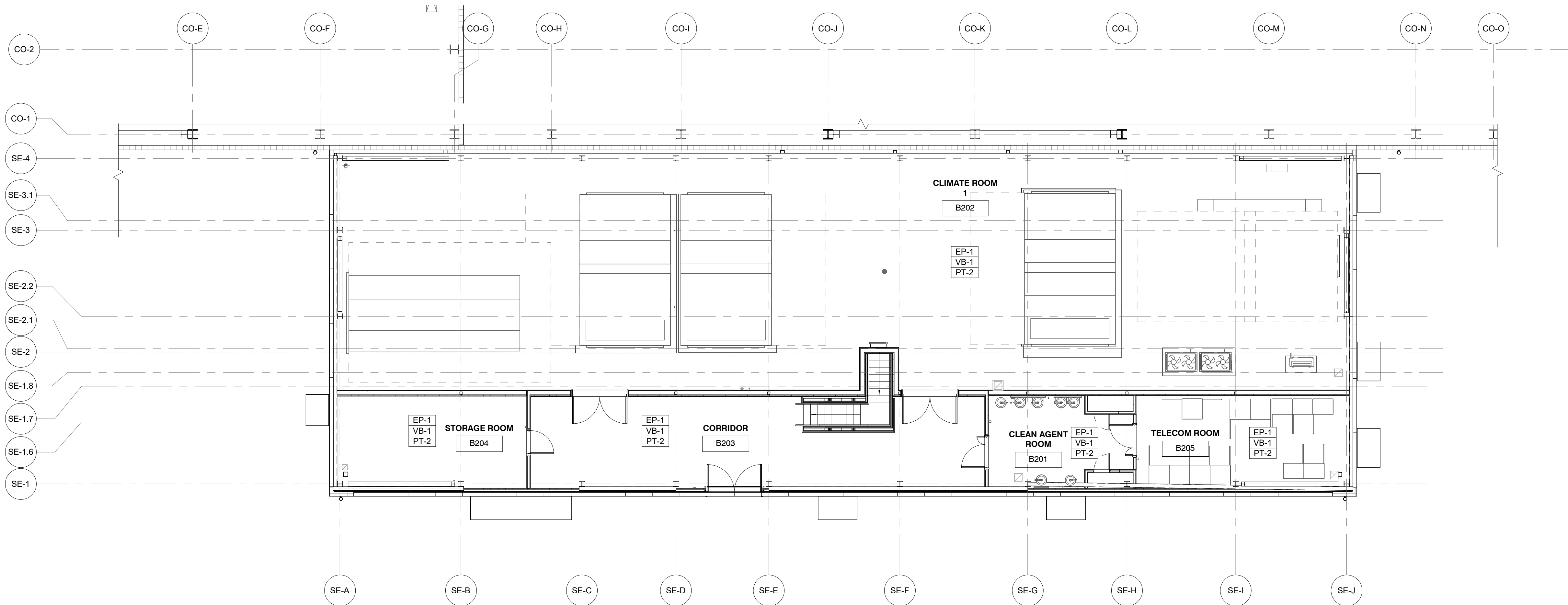
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**SERVICE BUILDING FIRST
FLOOR FINISH PLAN**

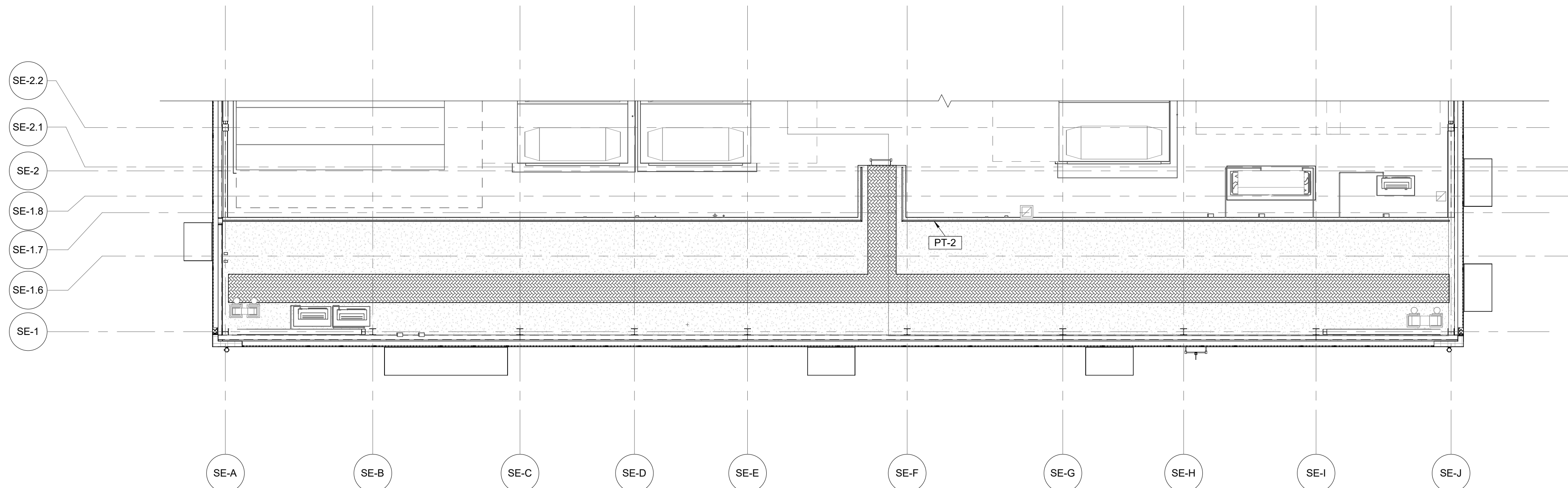


DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-164.00
CADD FILE NO
AstoriaHVDC-CHPE
AstoriaCHPE-111-22-M3-A-001.rvt

12/12/2022 1:29:24 PM



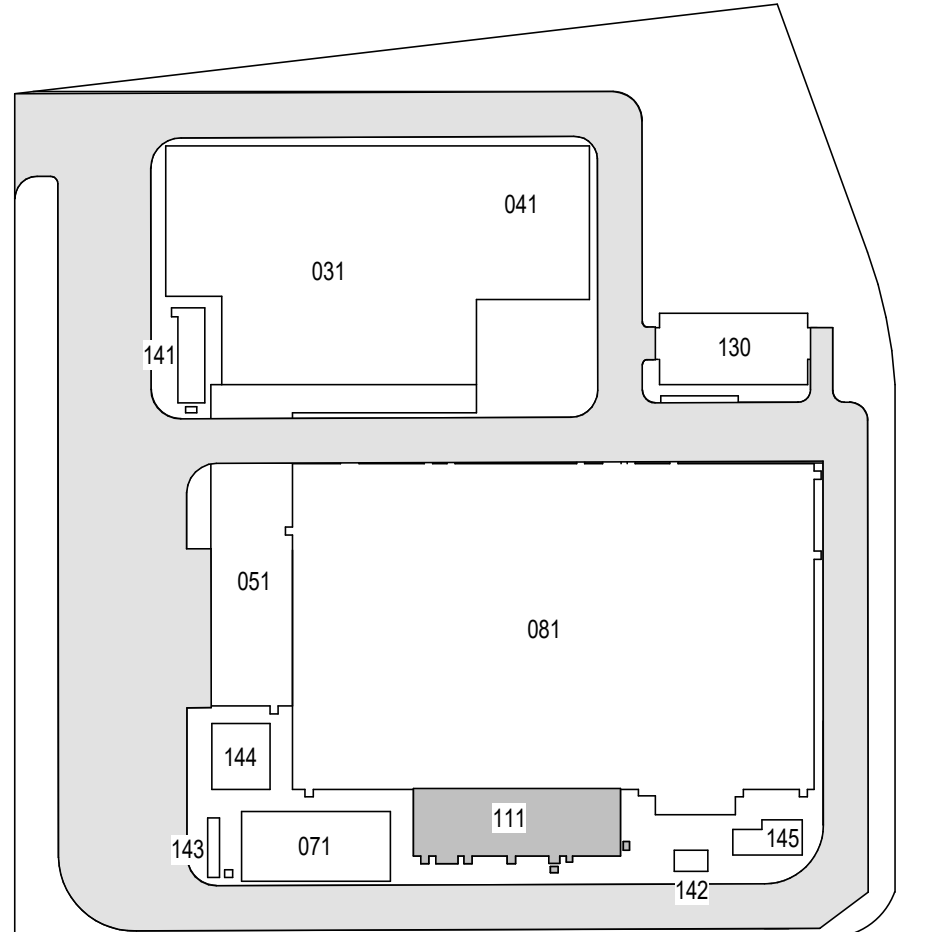
1 SERVICE BUILDING SECOND FLOOR FINISH PLAN
A-212.00 1/8" = 1'-0"



3 BUILDING PLATFORM FINISH PLAN
A-212.00 1/8" = 1'-0"

NOTE:
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A	INTERIM SUBMISSION	RAC	ZH	09/13/2022

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Woodcliff Lake, NJ 07677

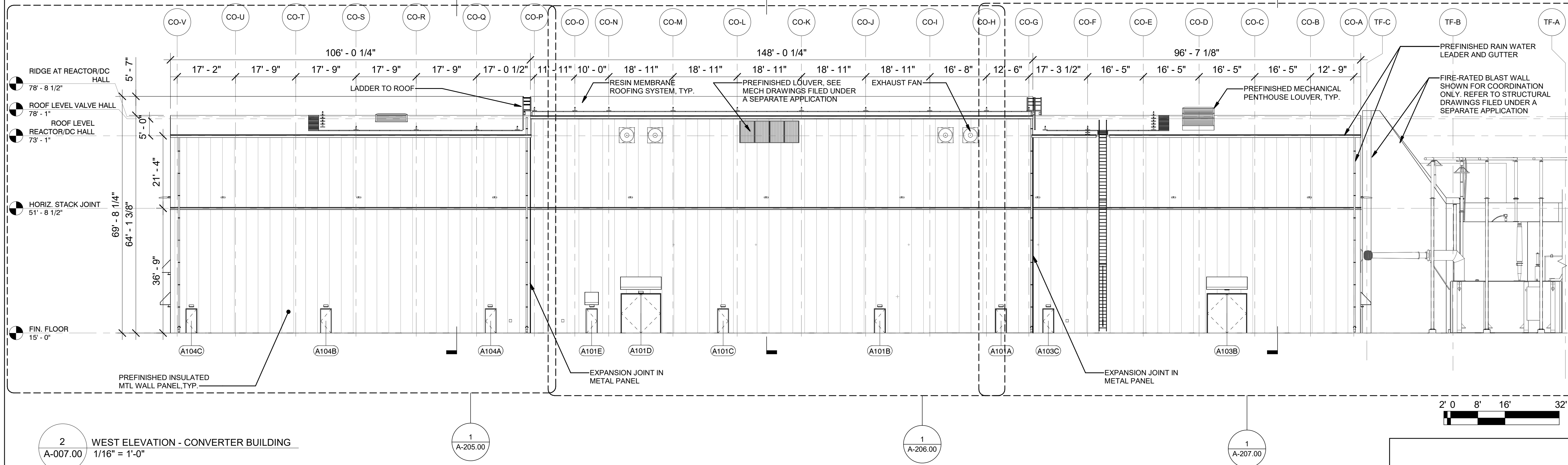
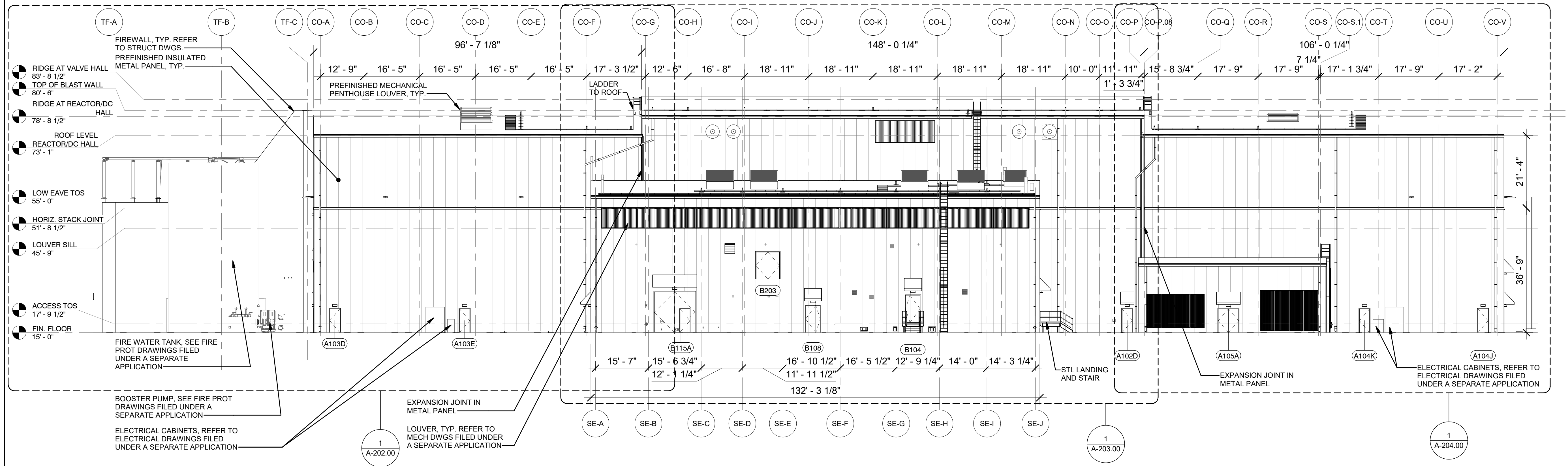
Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT
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Power Express
**Astoria HVDC
Converter Station**
31-45 20th Avenue, Astoria, Queens NY 11105
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**SERVICE BUILDING
SECOND FLOOR &
PLATFORM FINISH PLAN**



DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-165.00
CADD FILE NO
Astoria-HVDC-CHPE
Astoria-CHPE-111-ZZ-M3-A-001.rvt



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Kiewit
470 Chestnut Ridge Rd # 2,
Woodcliff Lake, NJ 07677

Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

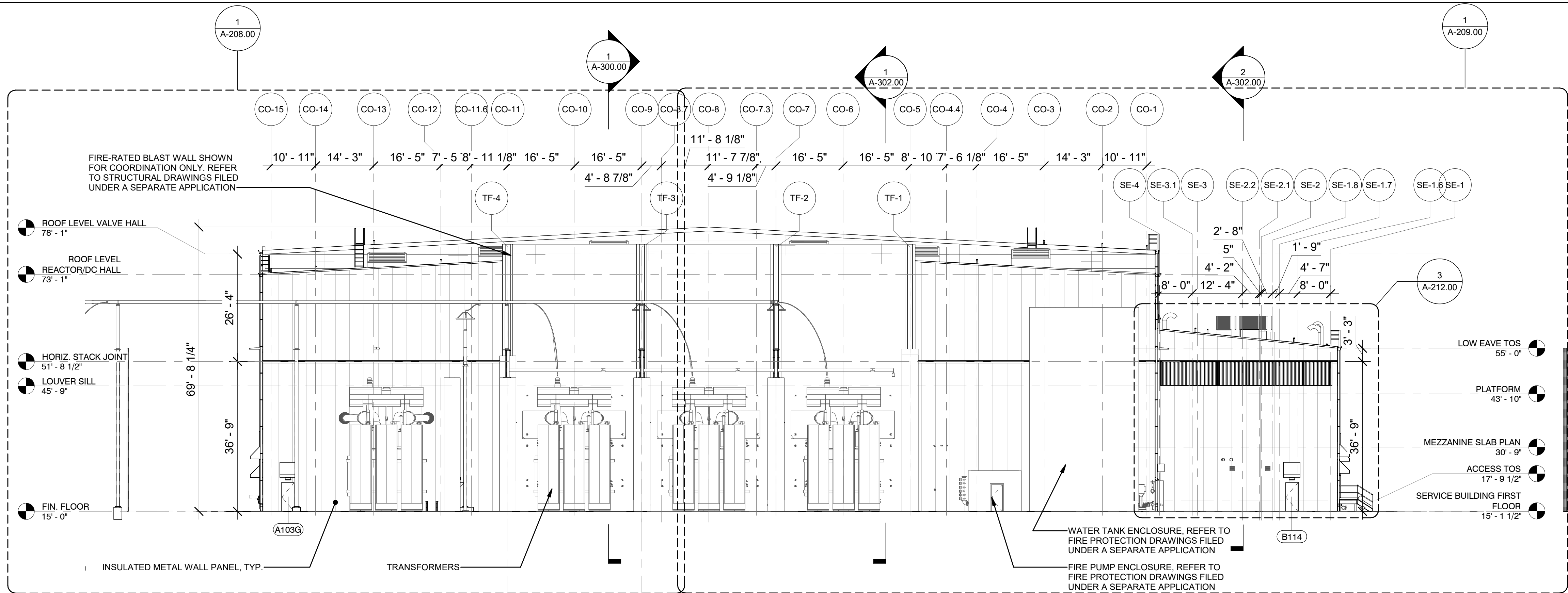
CHPE
Champlain Hudson
Power Express

Astoria HVDC Converter Station
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

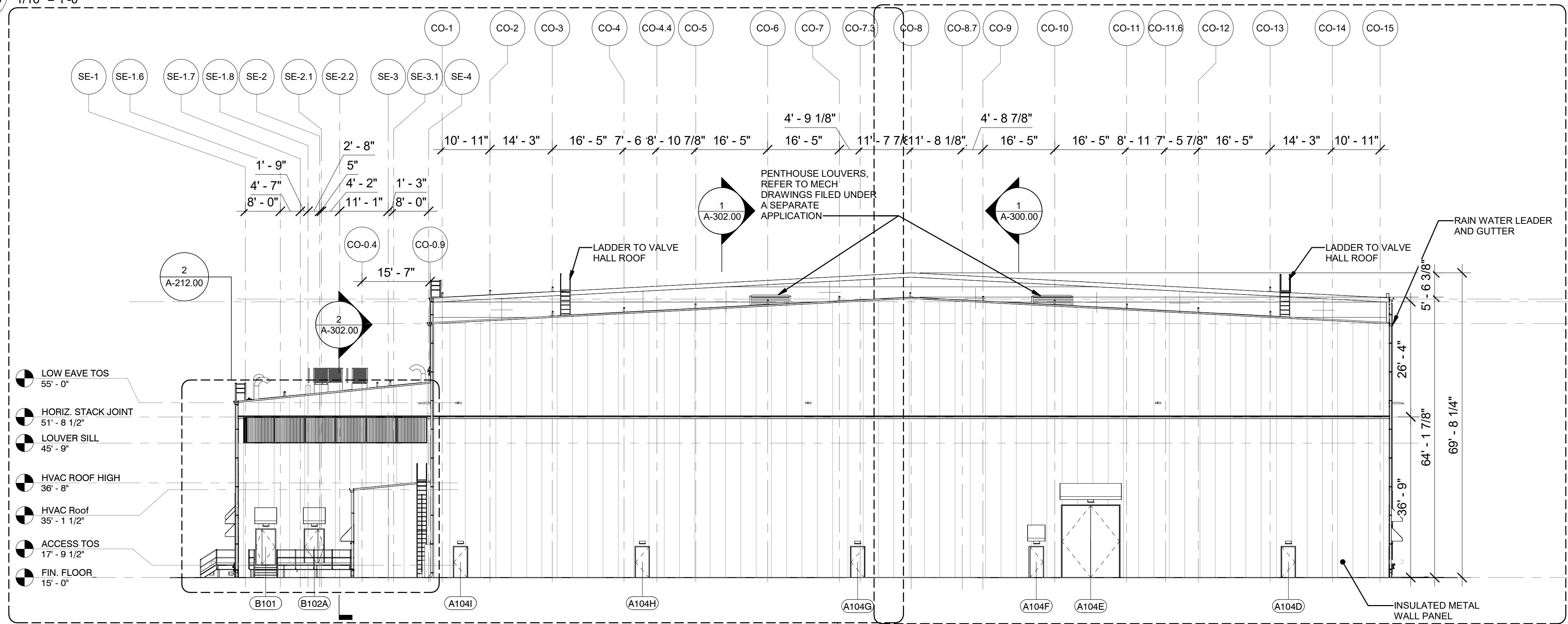
CONVERTER BLDG.
OVERALL ELEVATIONS 1

REGISTERED ARCHITECT
SUZANNE SOWINSKI
STATE OF NEW YORK
026049

DATE: 12/12/22
PROJECT NO: 105121
DRAWING BY: Author
CHECKED BY: Designer
DRAWING NO: **A-200.00**
CADD FILE NO:
Astoria CHA-KE-111-ZZ-M3-A-001.rvt



1 SOUTH ELEVATION - CONVERTER BUILDING
1/16" = 1'-0"



2 NORTH ELEVATION - CONVERTER BUILDING
1/16" = 1'-0"

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REV	DESCRIPTION	RAC	ZH	DATE
0	FINAL SUBMISSION			12/12/2022

Kiewit
470 Chestnut Ridge Rd # 2,
Woodcliff Lake, NJ 07677

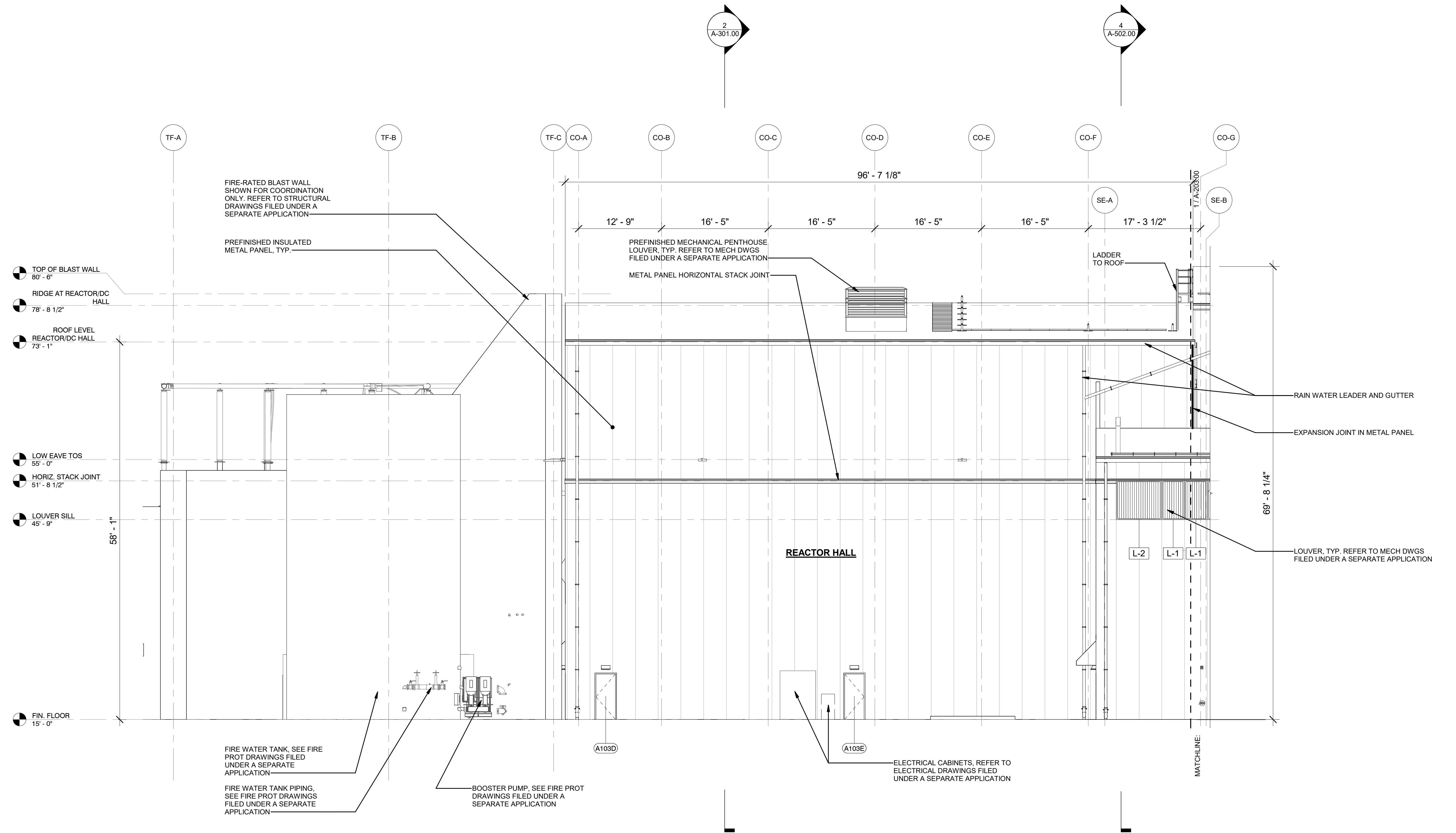
Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT
CHPE
Champlain Hudson
Power Express
**Astoria HVDC
Converter Station**
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
OVERALL ELEVATIONS 2

REGISTERED ARCHITECT
STATE OF NEW YORK
DATE 12/12/22
PROJECT NO 105121
DRAWING BY Author
CHECKED BY Designer
DRAWING NO
A-201.00
CADD FILE NO
Astoria CHA-KE-111-ZZ-M3-A-001.rvt

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Woodcliff Lake, NJ 07677

Hitachi Energy

901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

CHPE
Champlain Hudson
Power Express

Astoria HVDC
Converter Station

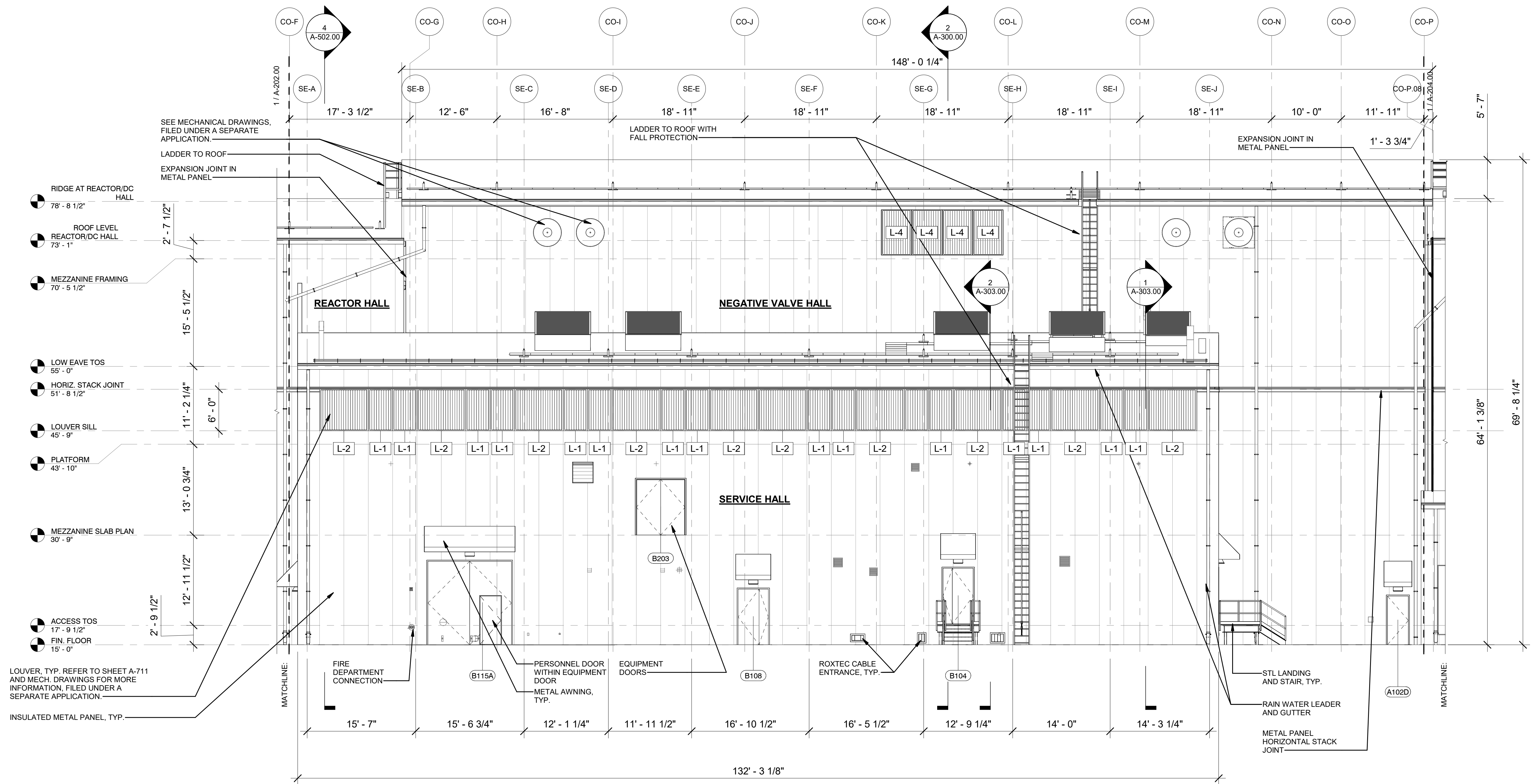
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
ENLARGED ELEVATIONS 1



DATE	12/12/22
PROJECT NO	105121
DRAWING BY	R. COLES
CHECKED BY	Z. HARR
DRAWING NO	A-202.00
CADD FILE NO	AstoriaHVDC-CHPE
AstoriaHVDC-CHPE	AstoriaHVDC-CHPE

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1	EAST ELEVATION 2 - CONVERTER BUILDING
A-200.00	1/8" = 1'-0"

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0	FINAL SUBMISSION	RAC	ZH	12/12/2022	
REV	DESCRIPTION	DRW BY	CHK BY	DATE	

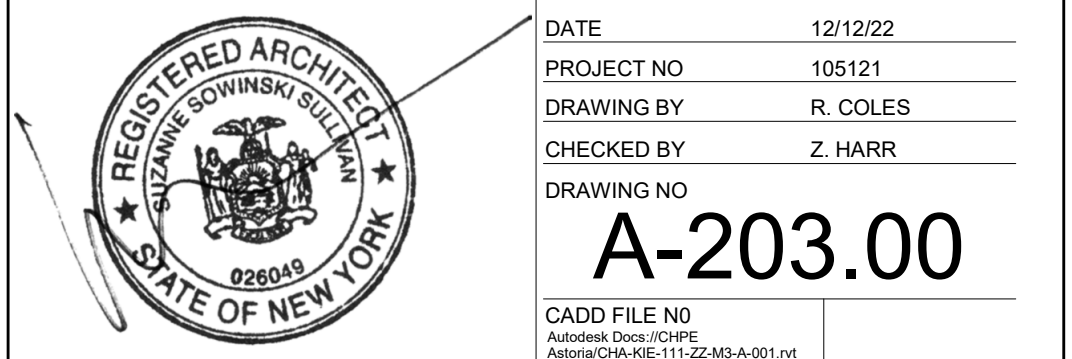
 <p>Kiewit</p> <p>470 Chestnut Ridge Rd # 2, Woodcliff Lake, NJ 07677</p>	 <p>Hitachi Energy</p> <p>901 Main Campus Drive Raleigh, North Carolina 27606</p>
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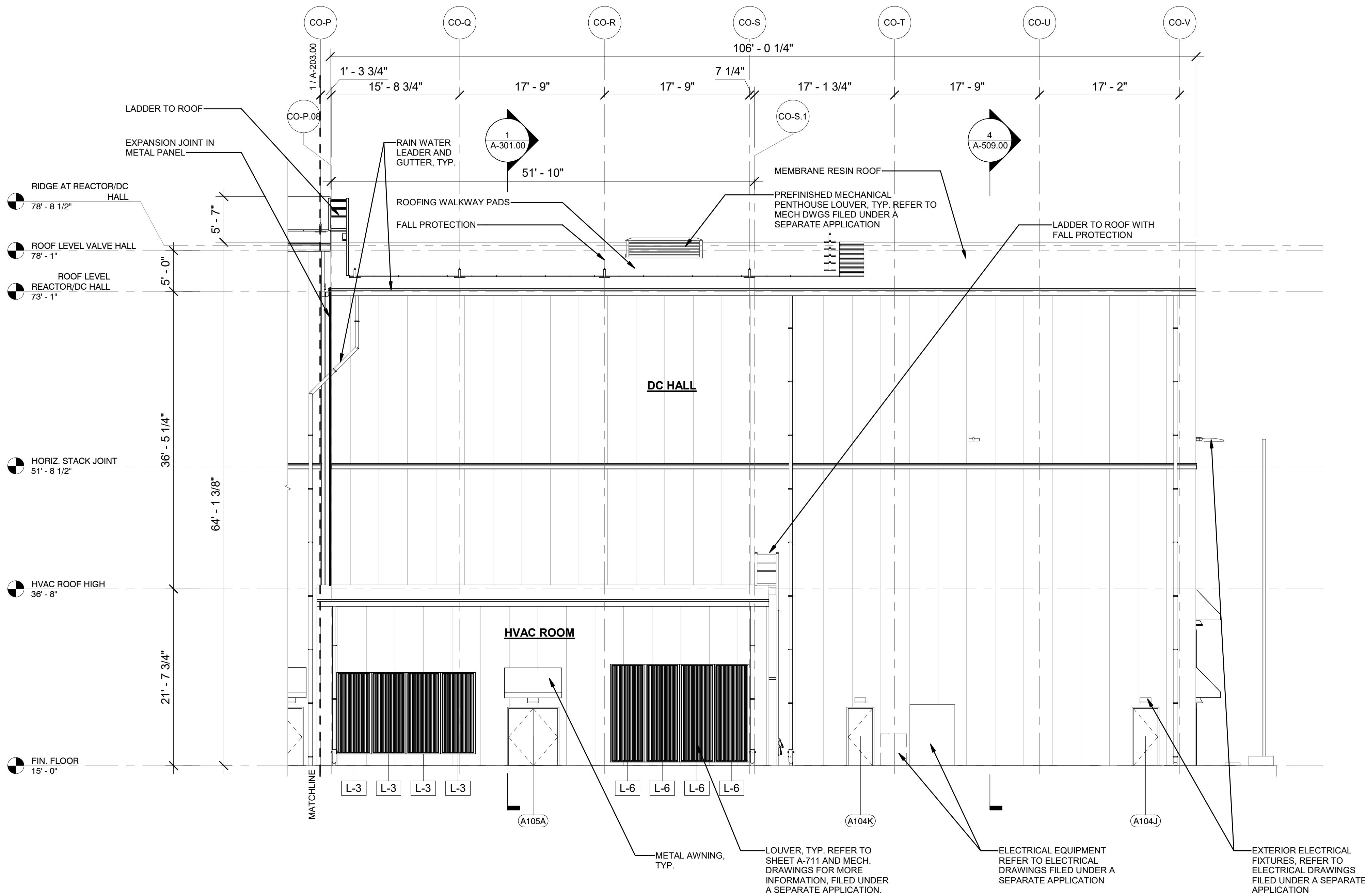
PROJECT 

Astoria HVDC Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**CONVERTER BLDG.
ENLARGED ELEVATIONS 2**





1 EAST ELEVATION 3 - CONVERTER BUILDING
A-200.00 1/8" = 1'-0"



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REV	DESCRIPTION	RAC DRW BY	ZH CHK BY	DATE
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Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

CHPE
Champlain Hudson
Power Express

Astoria HVDC
Converter Station

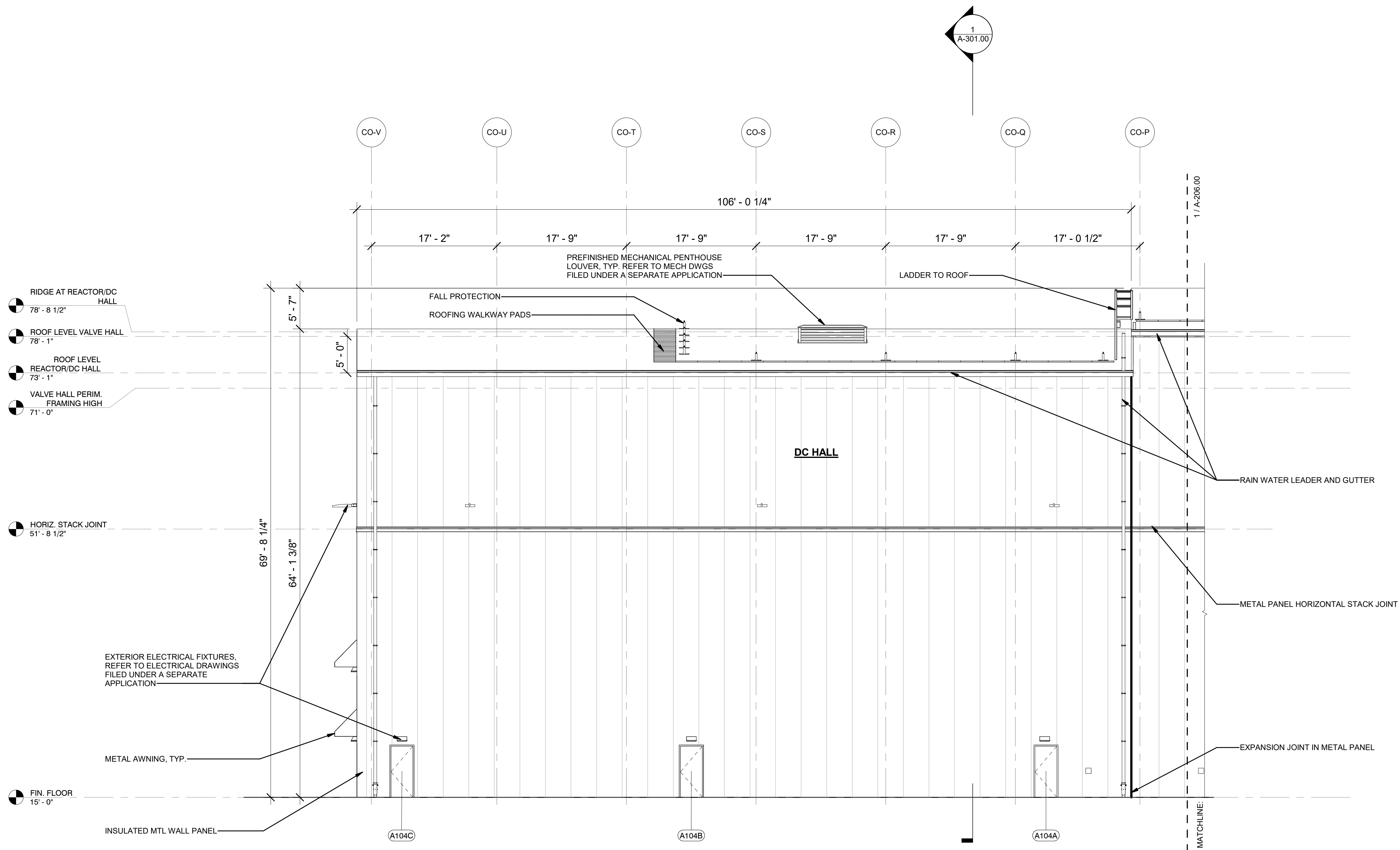
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
ENLARGED ELEVATIONS 3



DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-204.00
CADD FILE NO
Astoria-HVDC-CHPE
Astoria-CHPE-111-ZZ-M3-A-001.rvt

12/8/2022 10:58:35 AM



1
A-103.00 WEST 1 ELEVATION 1 - CONVERTER BUILDING
1/8" = 1'-0"



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0	FINAL SUBMISSION			

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Woodcliff Lake, NJ 07677

Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

CHPE
Champlain Hudson
Power Express

Astoria HVDC
Converter Station

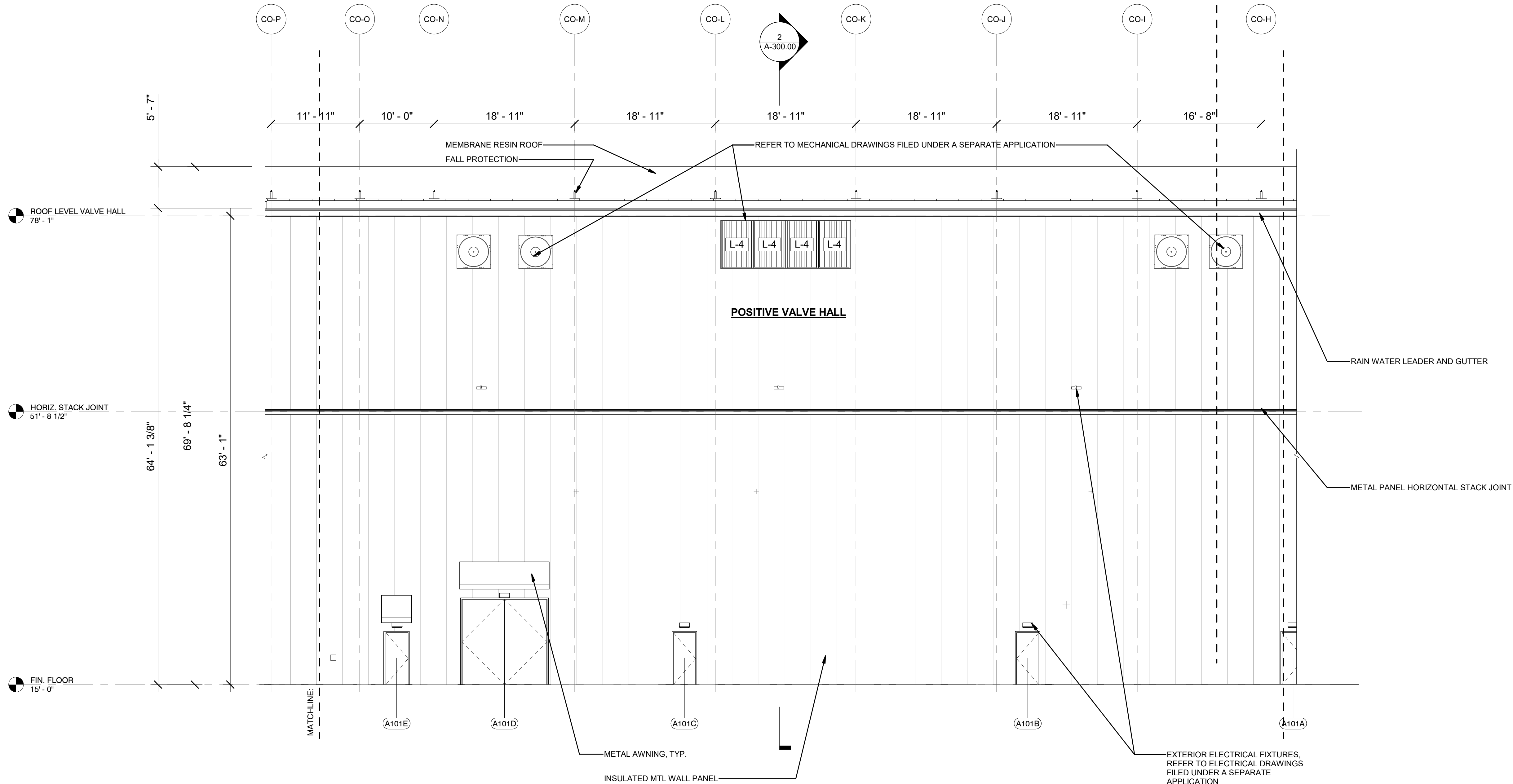
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
ENLARGED ELEVATIONS 4



DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-205.00
CADD FILE NO
AstoriaHVDC-CPPE
AstoriaCHPE-111-ZZ-M3-A-001.rvt

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1	WEST 2 ELEVATION 2 - CONVERTER BUILDING
A-103.00	1/8" = 1'-0"



70 7th Avenue
SUITE 1604
New York, NY 10001



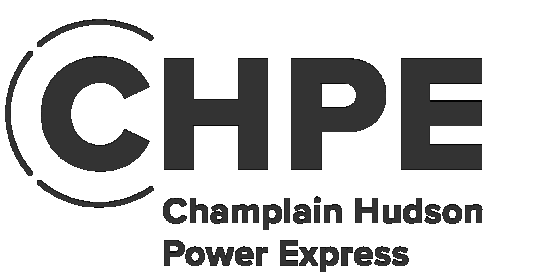
5 Mohawk Avenue
parta, NJ 07871

0	FINAL SUBMISSION					RAC	ZH	12/12/2022	
REV	DESCRIPTION					DRW BY	CHK BY	DATE	



901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT



Astoria HVDC Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**CONVERTER BLDG.
ENLARGED ELEVATIONS 5**



DATE	12/12/22
PROJECT NO	105121
DRAWING BY	R. COLES
CHECKED BY	Z. HARR
DRAWING NO	
A-206.00	
CADD FILE NO	
Autodesk Civil 3D Aerial/C&A-XIE-111-ZZ-M3-A-001.rvt	

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REV	DESCRIPTION	DRW BY	CHK BY	DATE

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Woodcliff Lake, NJ 07677

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901 Main Campus Drive
Raleigh, North Carolina 27606

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Power Express

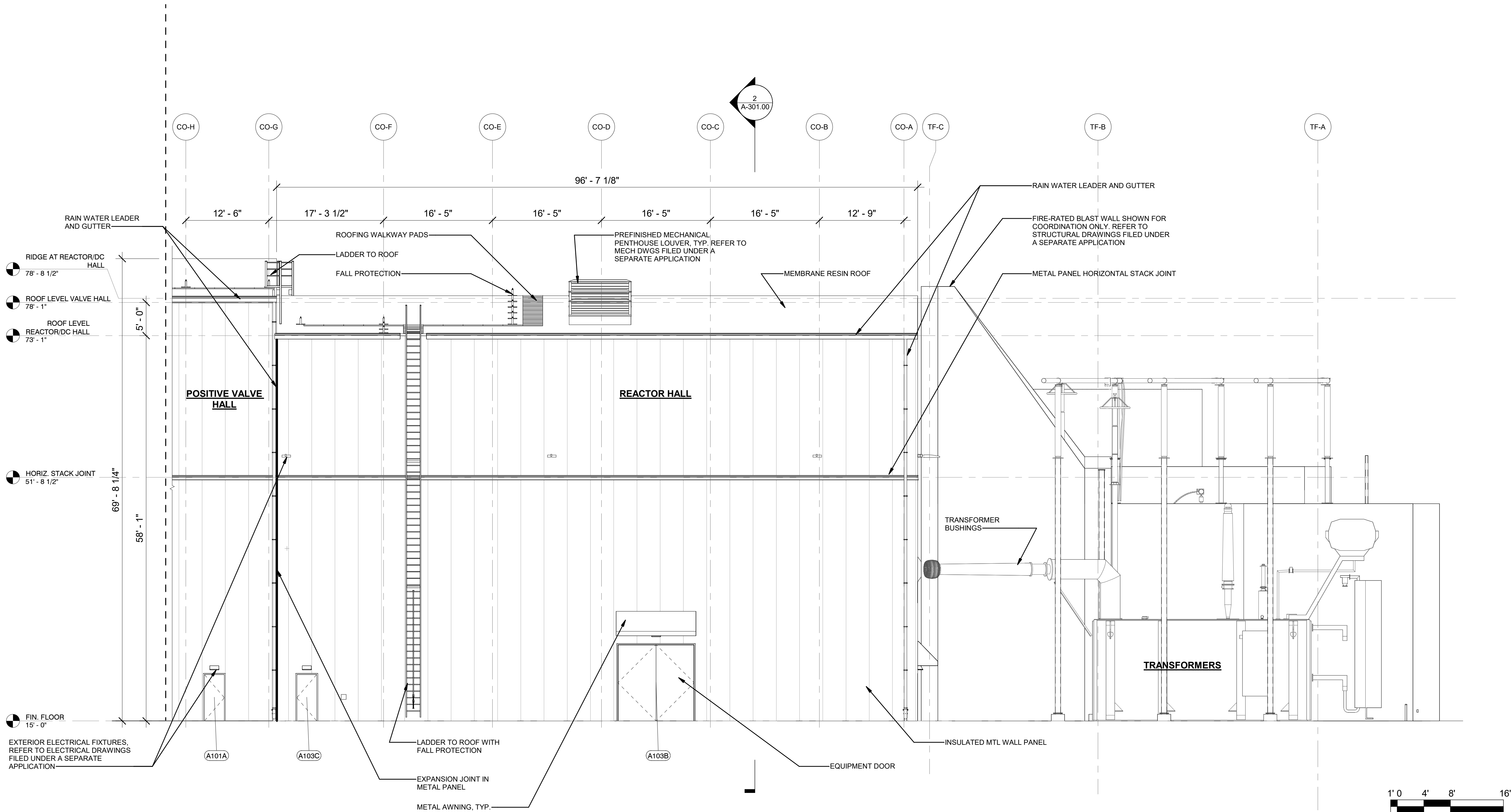
Astoria HVDC
Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
ENLARGED ELEVATIONS 6



DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-207.00
CADD FILE NO
Astoria Converter Station
Astoria Converter Station



1 WEST ELEVATION 3 - CONVERTER BUILDING
A-103.00 1/8" = 1'-0"

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Woodcliff Lake, NJ 07677

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Raleigh, North Carolina 27606

PROJECT

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Power Express

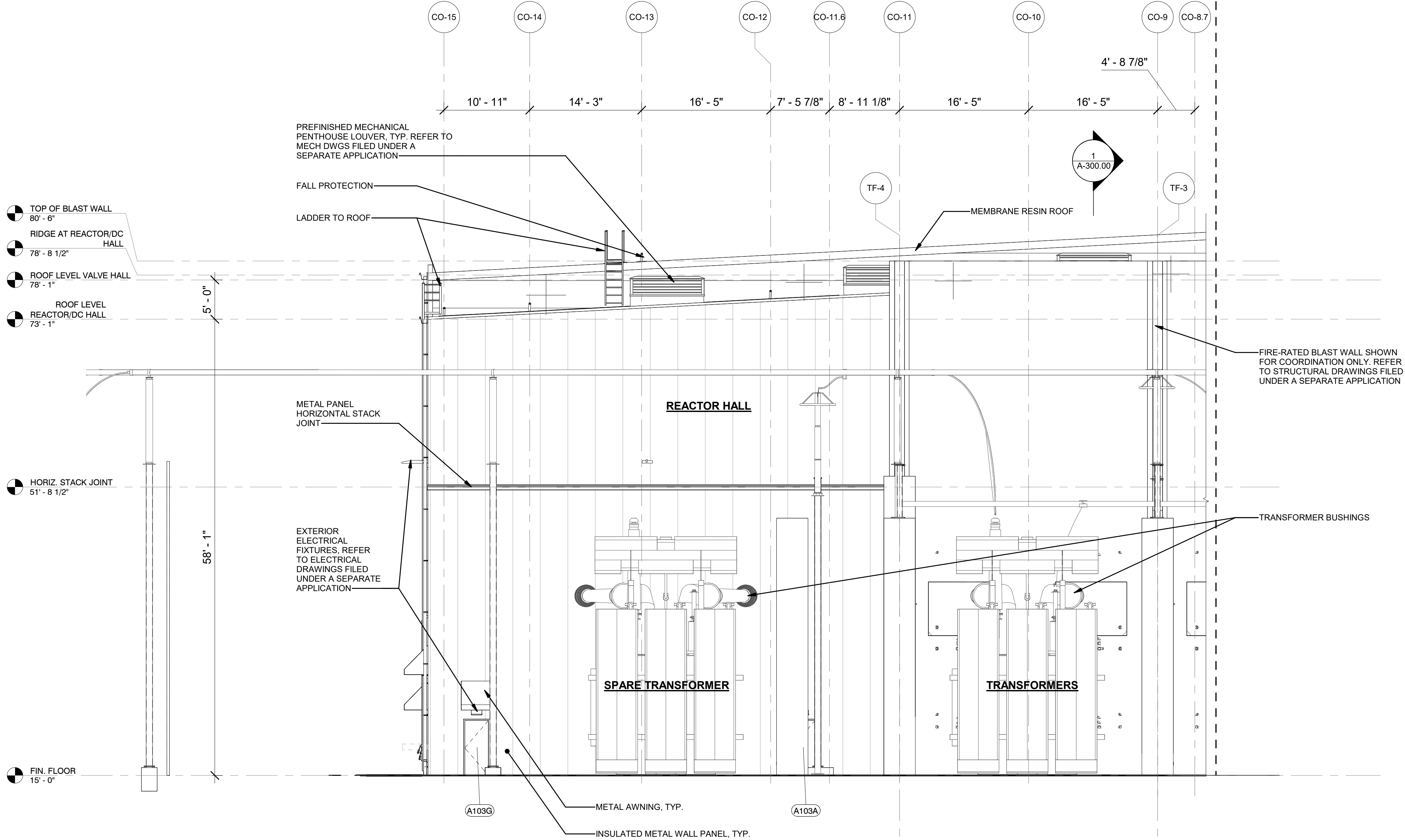
**Astoria HVDC
Converter Station**

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**CONVERTER BLDG.
ENLARGED ELEVATIONS 7**



DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-208.00
CADD FILE NO
AstoriaHVDC-CHPE
AstoriaCHV-KIE-111-ZZ-M3-A-001.rvt



1 SOUTH ELEVATION 1 - CONVERTER BUILDING
A-007.00 1/8" = 1'-0"

1' 0 4' 8' 16'

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A	INTERIM SUBMISSION	RAC	ZH	09/13/2022

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Champlain Hudson
Power Express

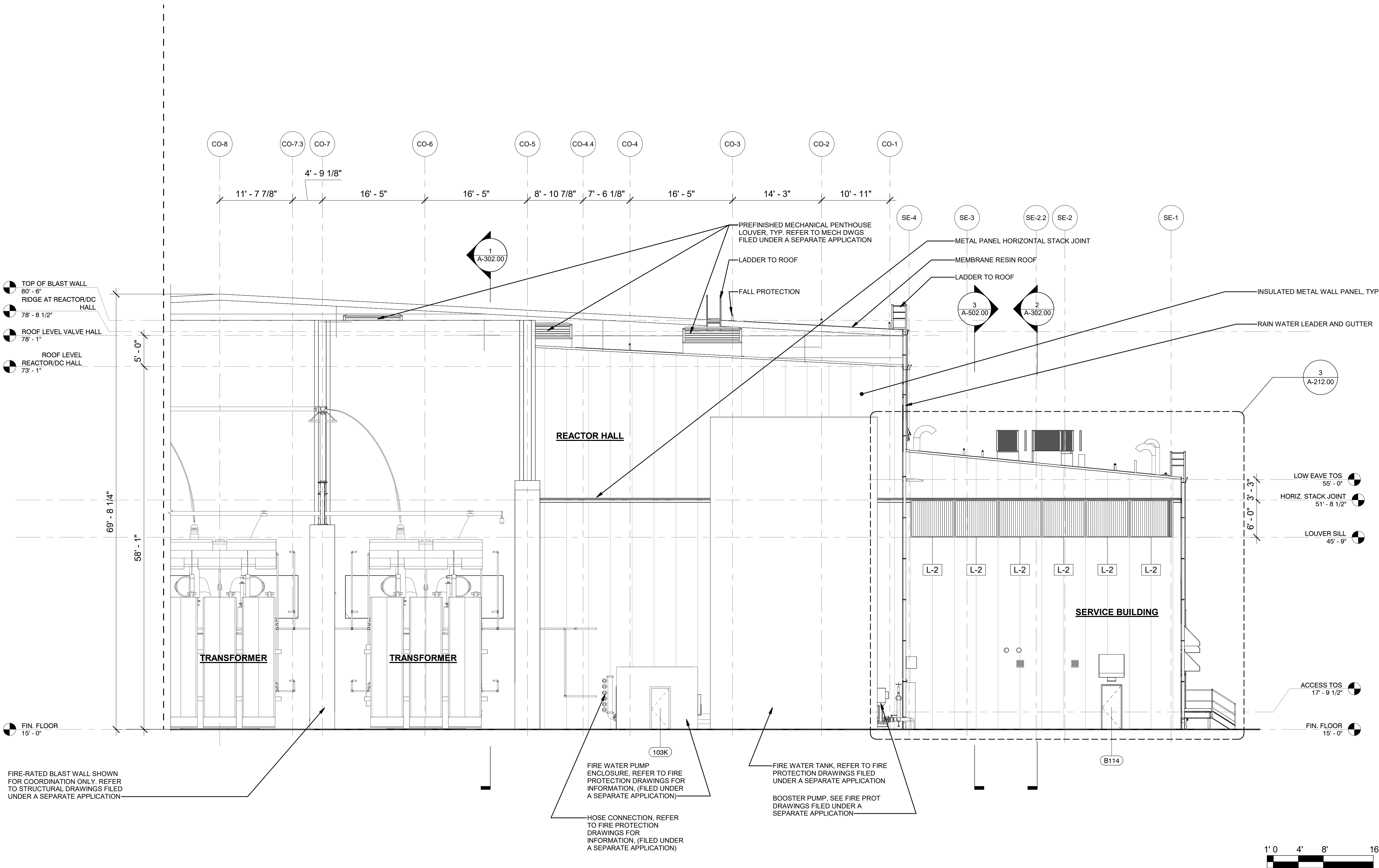
Astoria HVDC
Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
ENLARGED ELEVATIONS 8



DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-209.00
CADD FILE NO
Astoria Converter Station
Astoria Converter Station



1 SOUTH ELEVATION 2 - CONVERTER BUILDING
A-201.00 1/8" = 1'-0"

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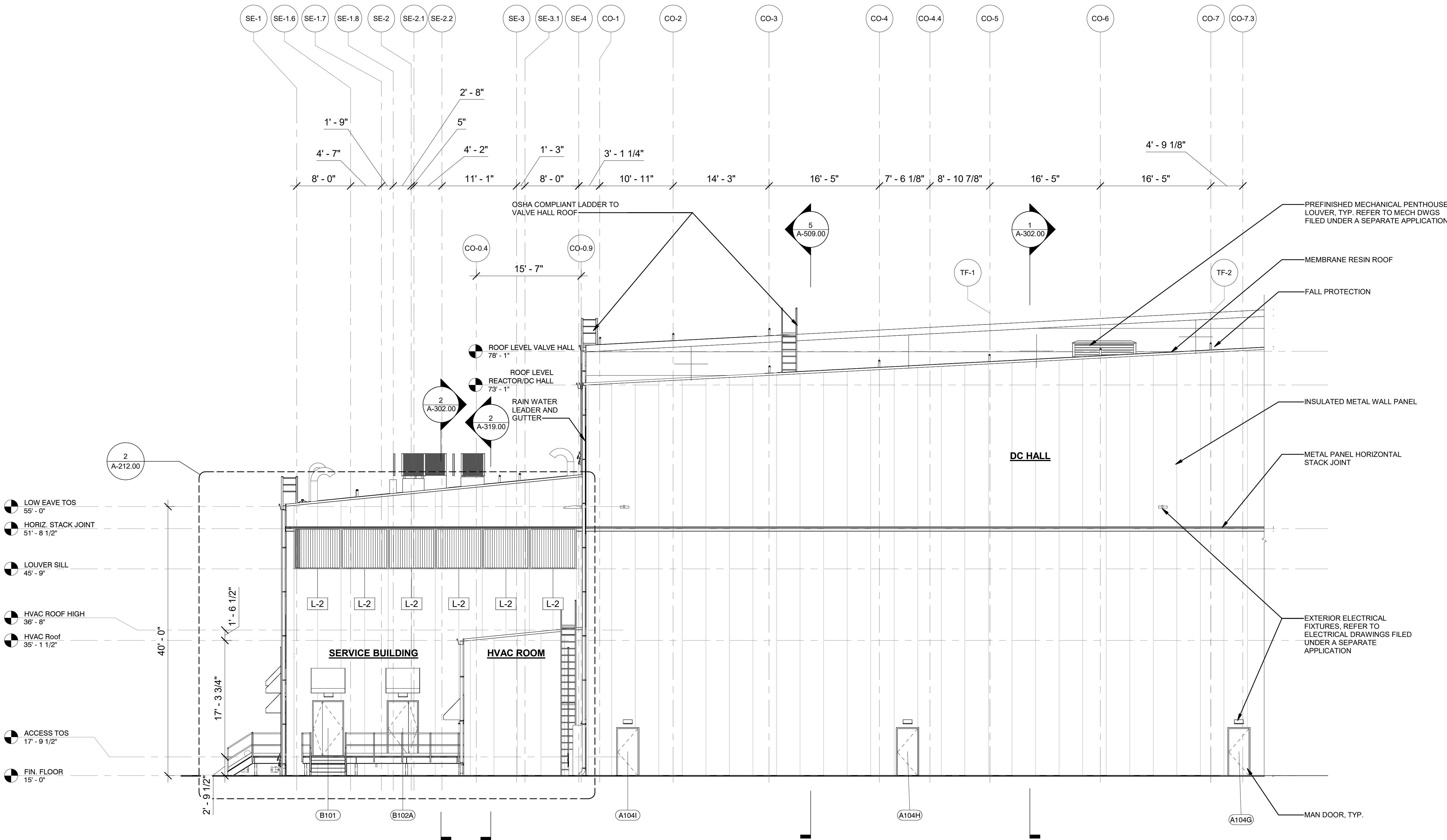
Astoria HVDC
Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
ENLARGED ELEVATIONS 9



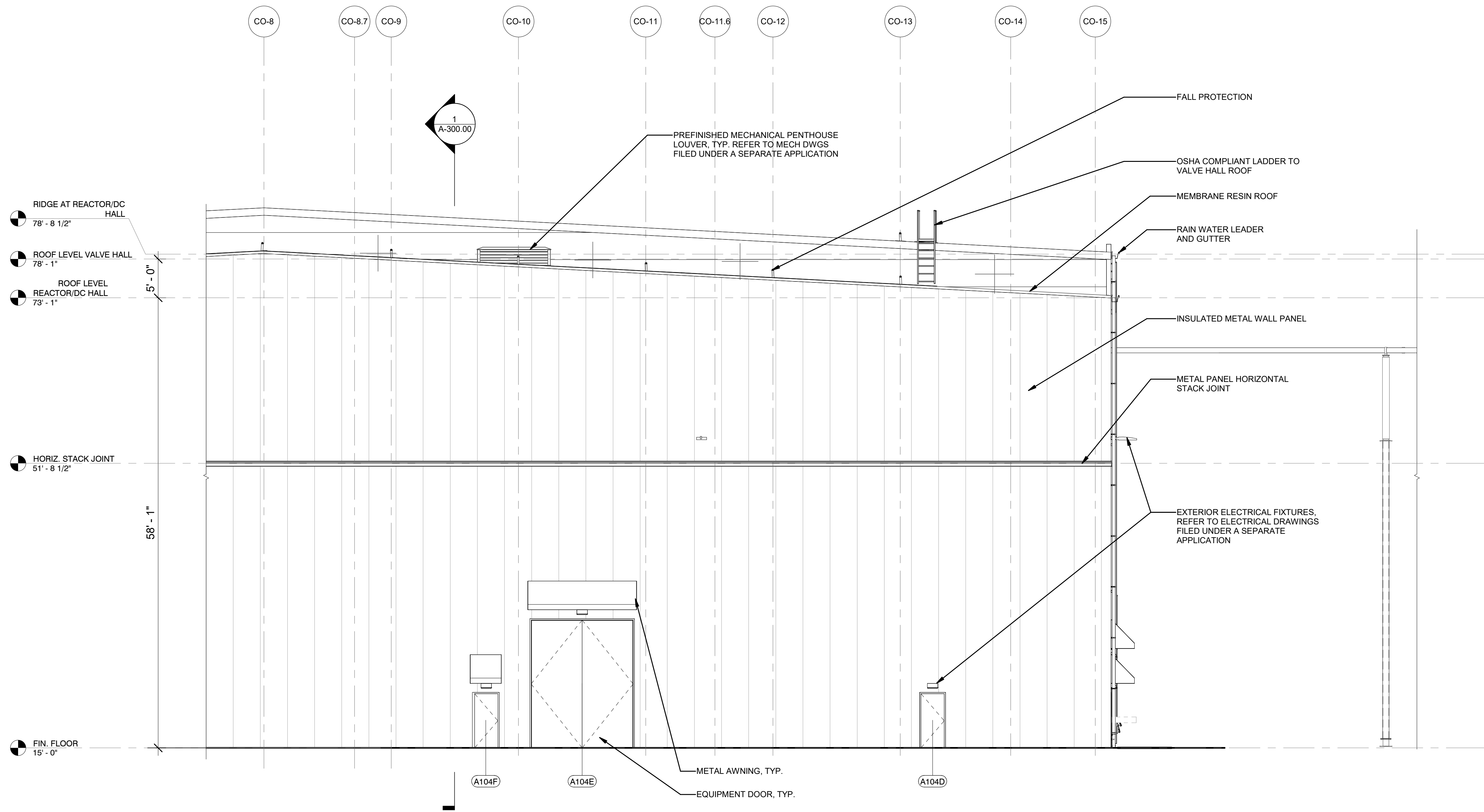
DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-210.00
CADD FILE NO
Astoria/CHA-KIE-111-ZZ-M3-A-001.rvt



2 NORTH ELEVATION 1 - CONVERTER BUILDING
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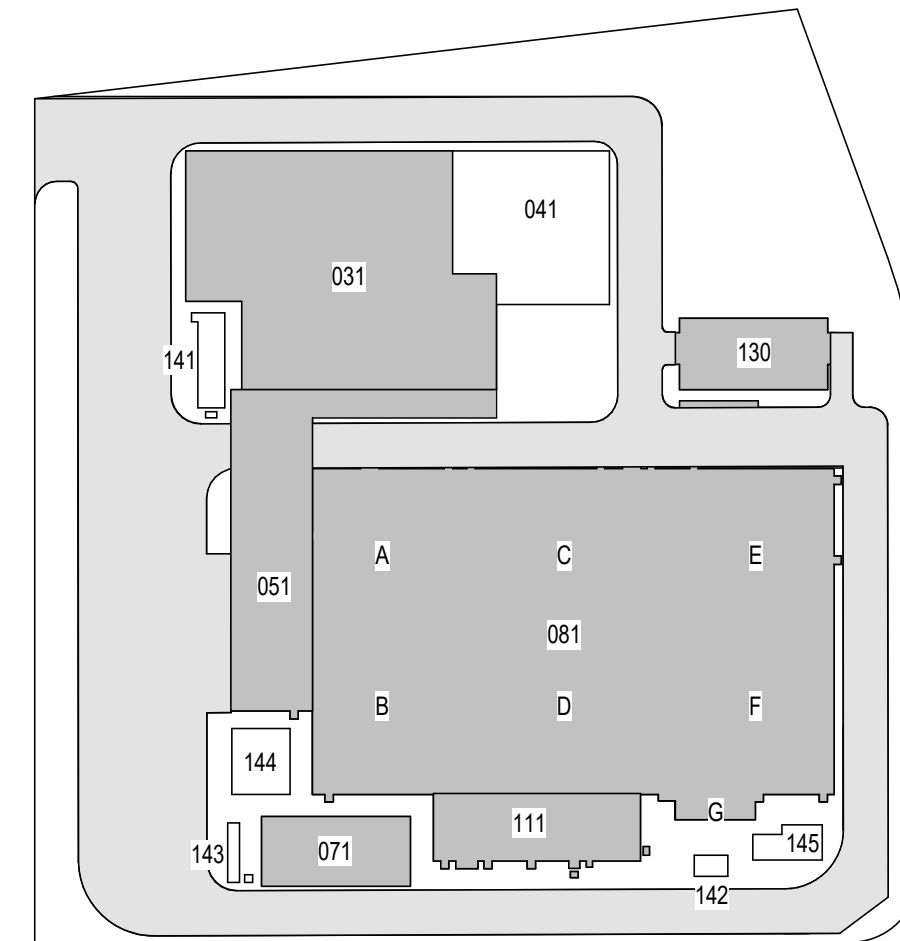
1' 0 4' 8' 16'

12/8/2022 11:02:15 AM



1 NORTH ELEVATION 2 - CONVERTER BUILDING
A-201.00 1/8" = 1'-0"

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KEY PLAN
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PROJECT

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**Astoria HVDC
Converter Station**

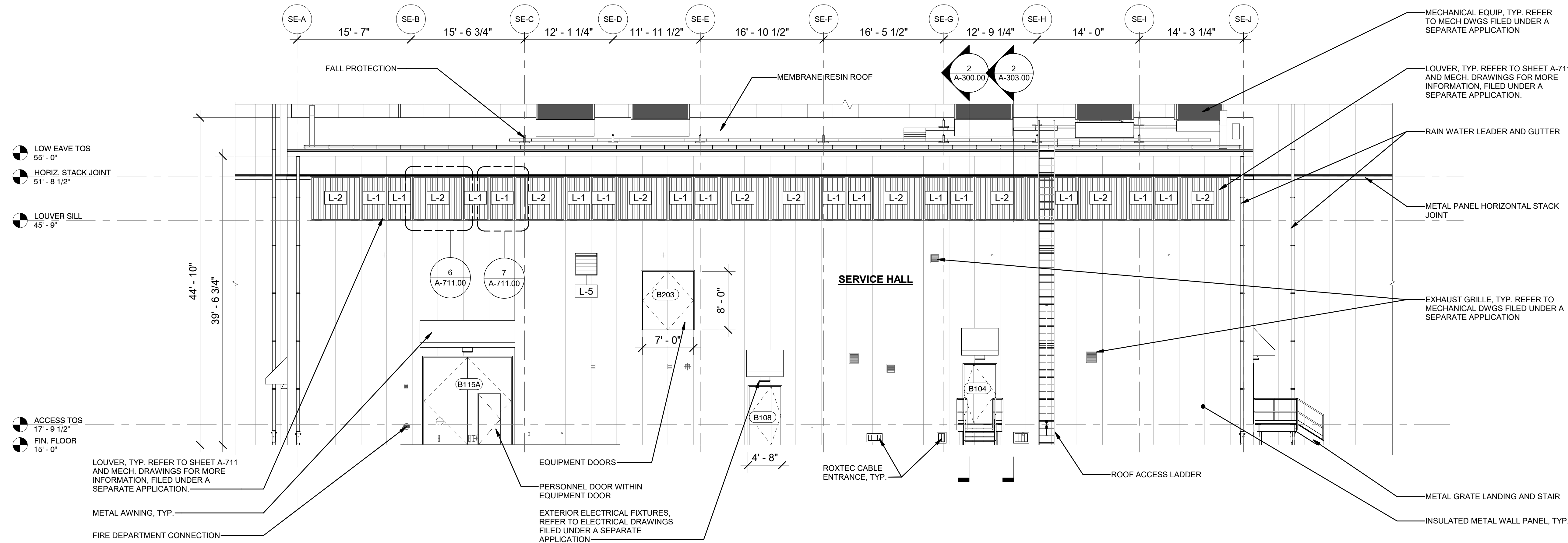
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**CONVERTER BLDG.
ENLARGED ELEVATIONS
10**

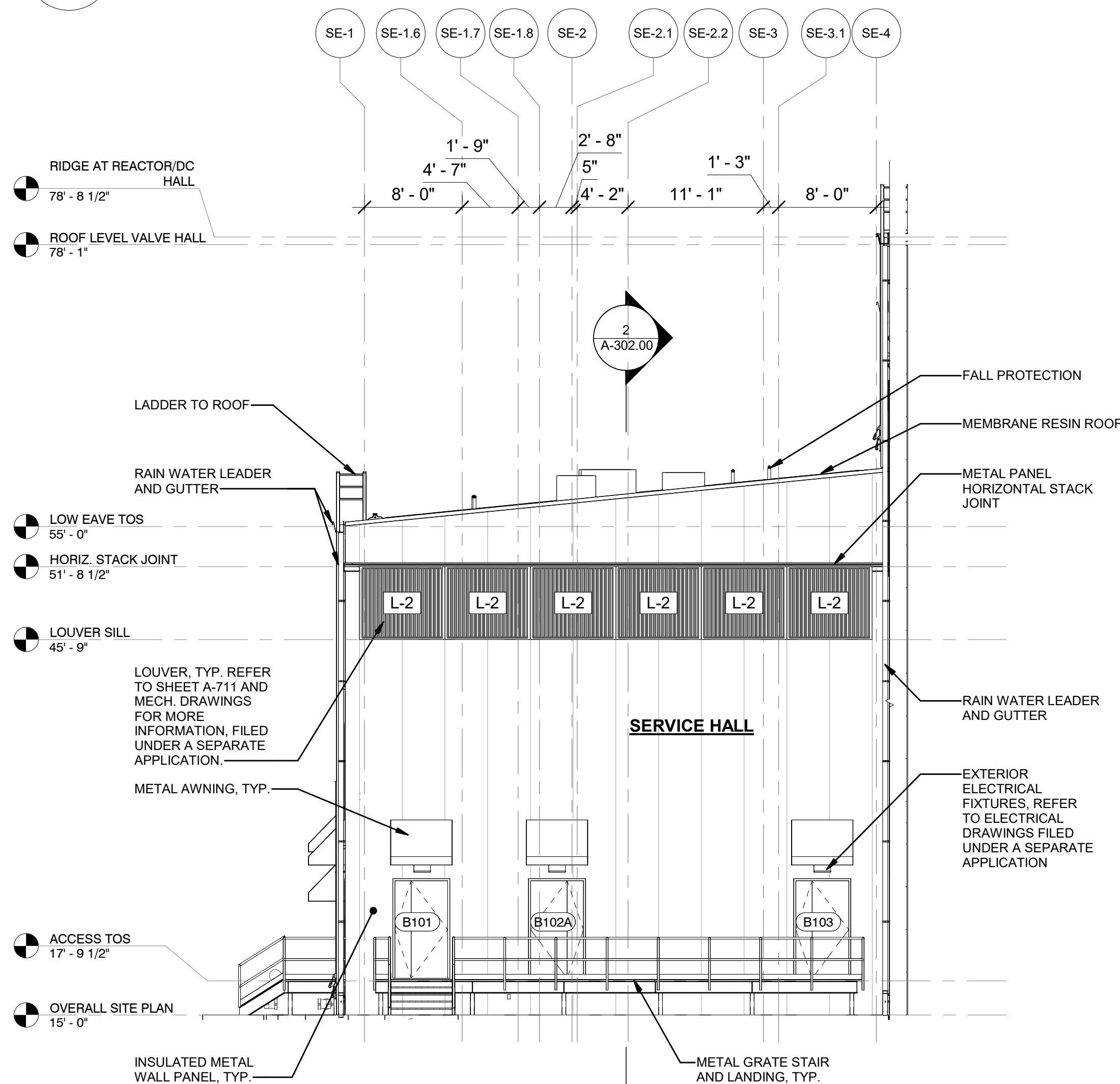


DATE 12/12/22
PROJECT NO 105121
DRAWING BY Author
CHECKED BY Designer
DRAWING NO
A-211.00
CADD FILE NO
Astoria Converter Station
Astoria Converter Station 11-22-M3-A-001.rvt

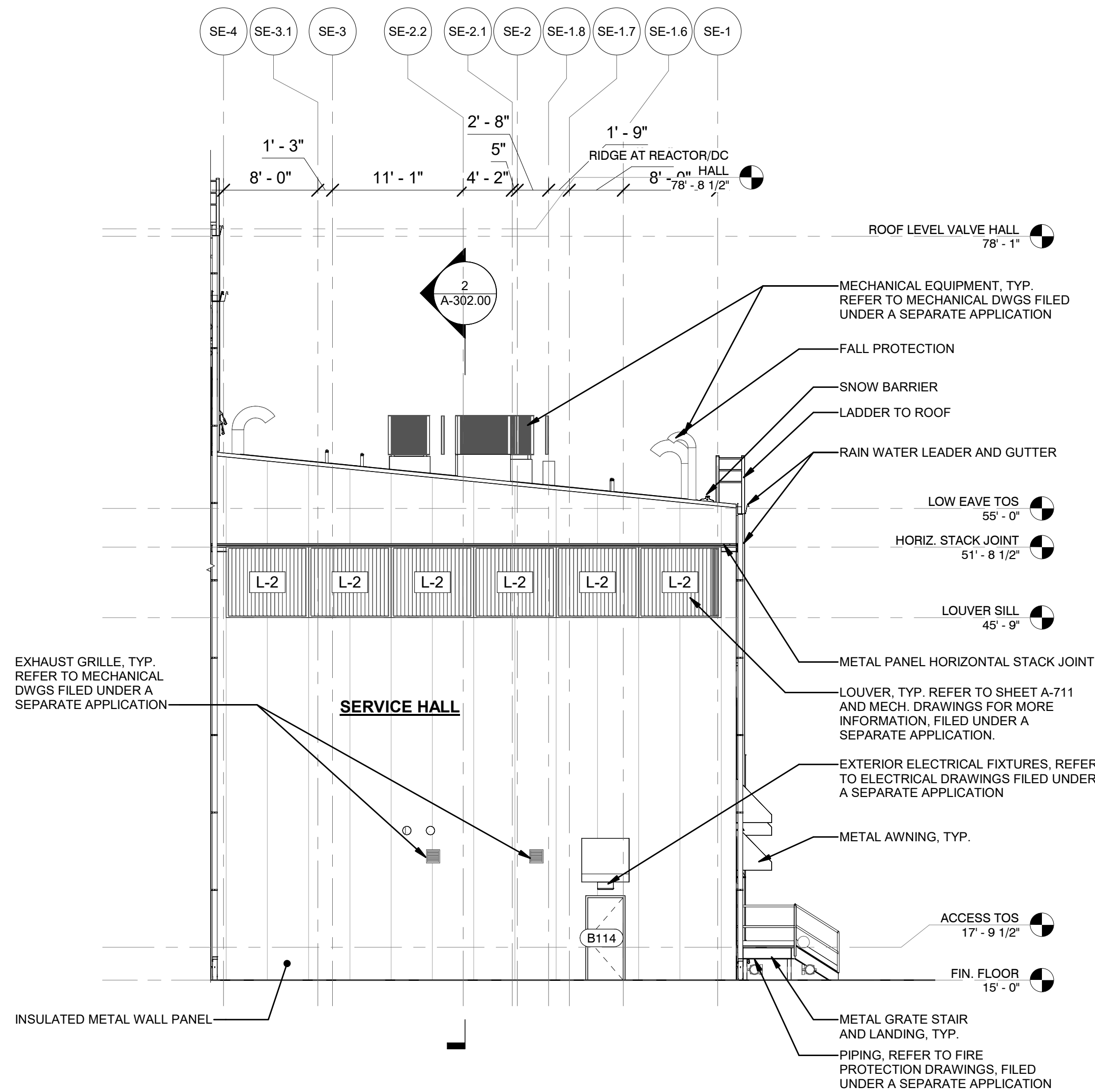
12/8/2022 11:04:45 AM



1 EAST ELEVATION - SERVICE BUILDING
1/8" = 1'-0"



2 NORTH ELEVATION - SERVICE BUILDING
1/8" = 1'-0"



3 SOUTH ELEVATION - SERVICE BUILDING
1/8" = 1'-0"



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REV	DESCRIPTION	RAC	ZH	DATE
0	FINAL SUBMISSION			12/12/2022

Kiewit
470 Chestnut Ridge Rd # 2,
Woodcliff Lake, NJ 07677

Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT
CHPE
Champlain Hudson
Power Express
Astoria HVDC Converter Station
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

SERVICE BLDG.
ELEVATIONS 1

REGISTERED ARCHITECT
STATE OF NEW YORK
DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-212.00
CADD FILE NO
Astoria-HVDC-CHPE
Astoria-CHPE-111-22-M3-A-001.rvt

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PROJECT

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Power Express

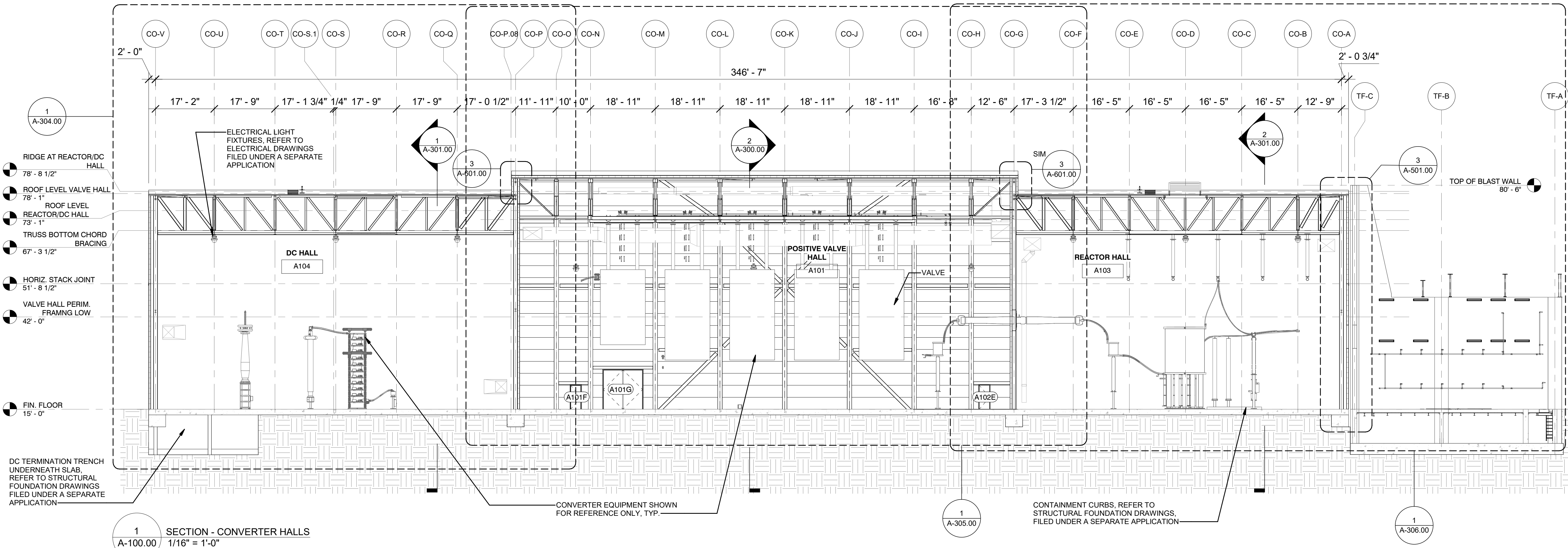
**Astoria HVDC
Converter Station**

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

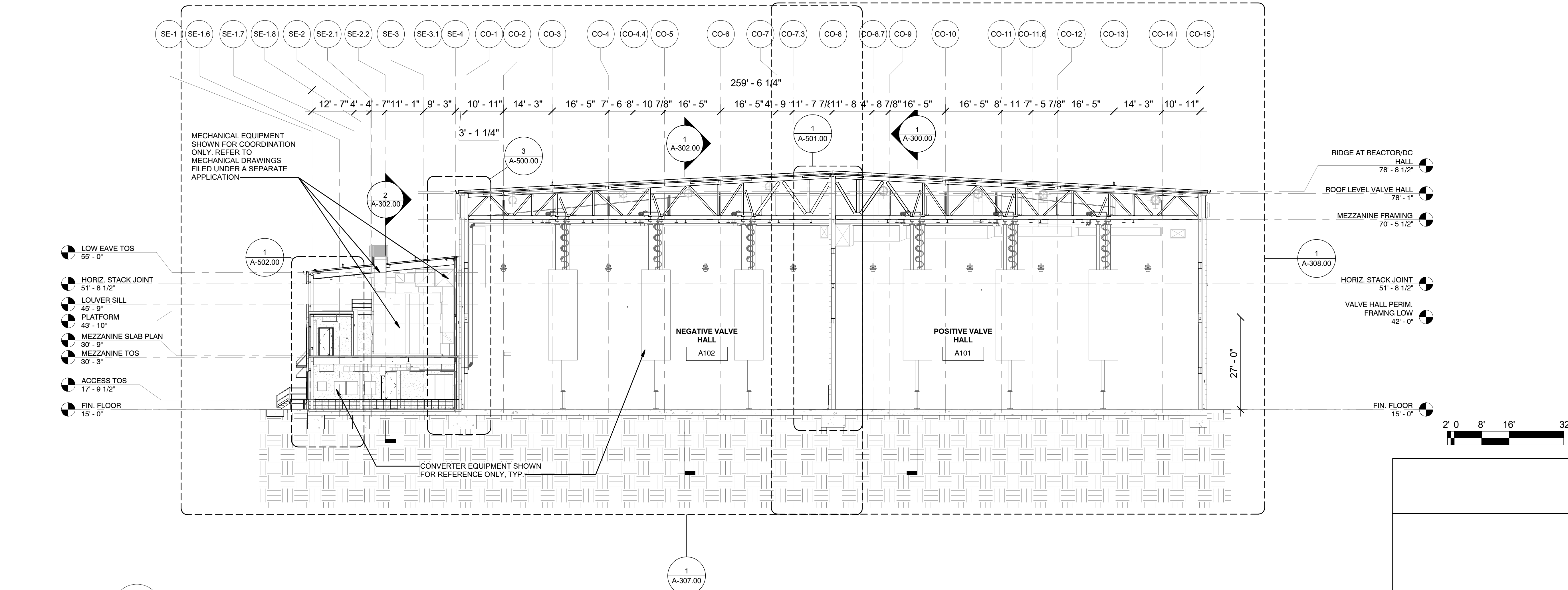
**CONVERTER BUILDING
SECTIONS 1**



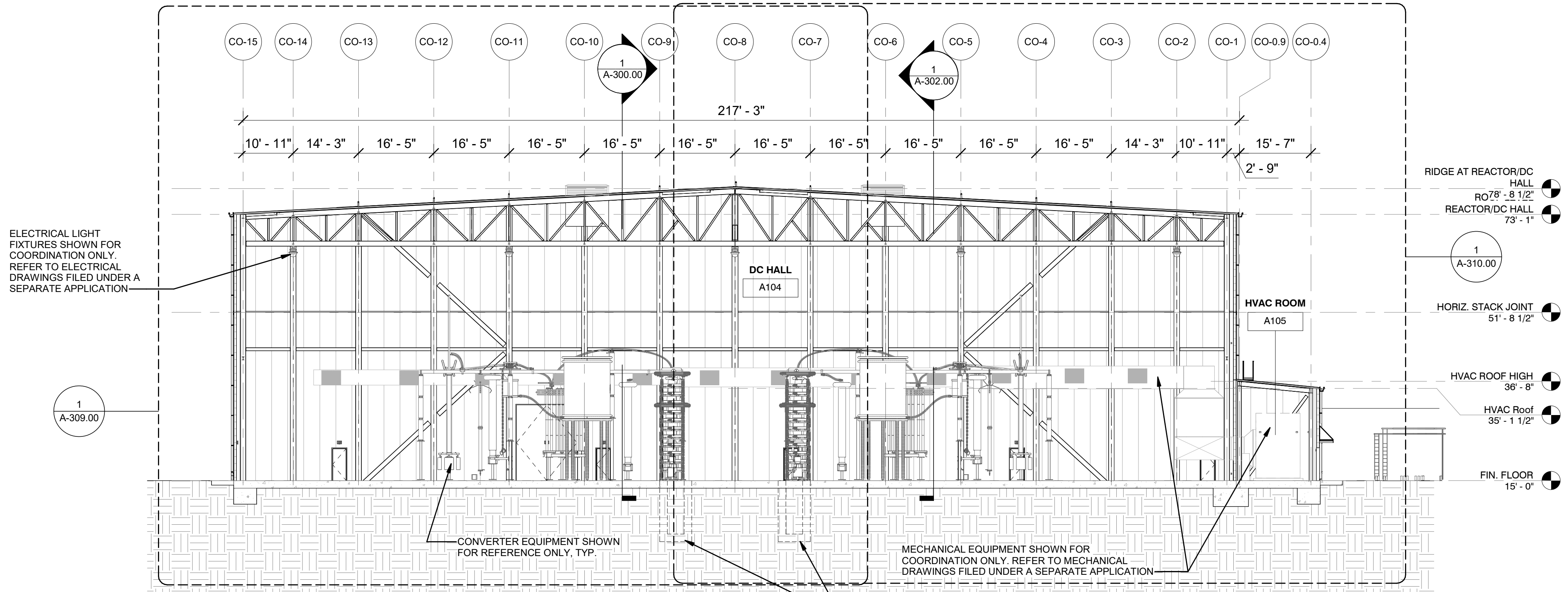
DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-300.00
CADD FILE NO
Astoria CHA-KE-111-ZZ-M3-A-001.rvt



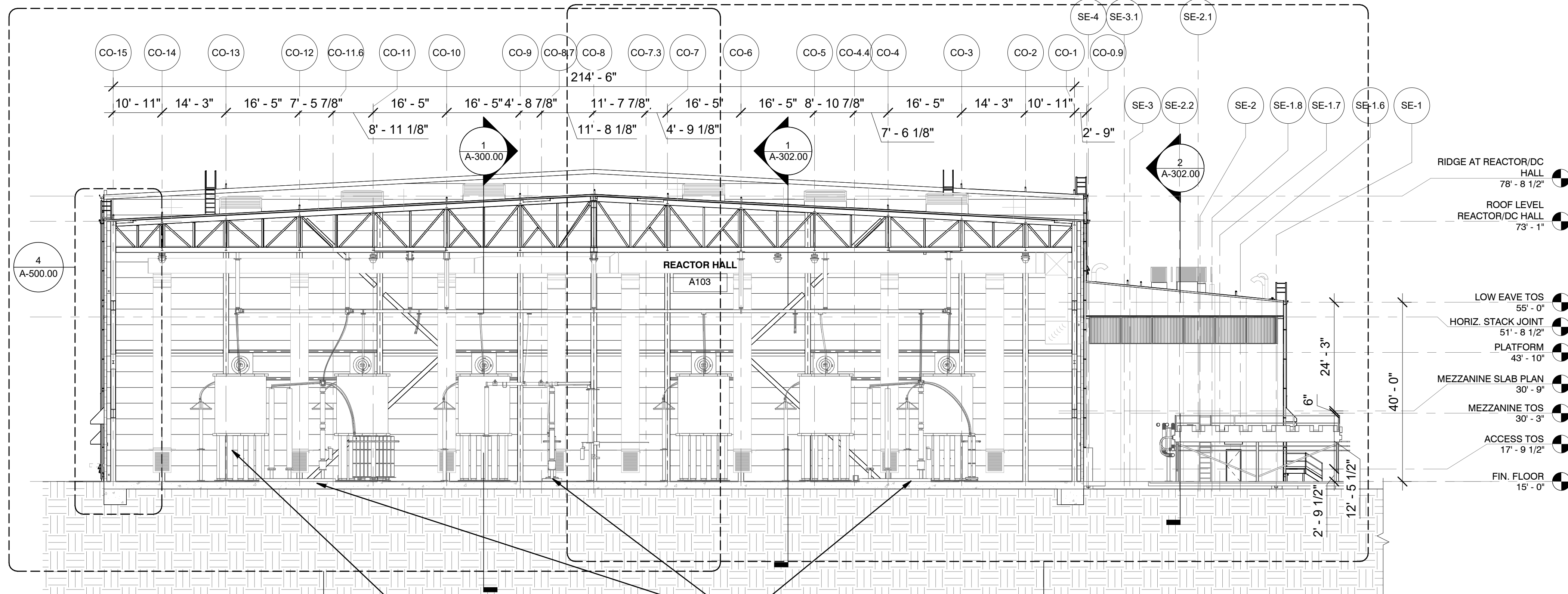
1 SECTION - CONVERTER HALLS
A-100.00 1/16" = 1'-0"



2 SECTION - VALVE HALLS & SERVICE BLDG
A-100.00 1/16" = 1'-0"



1 SECTION - DC HALL
1/16" = 1'-0"



2 SECTION - REACTOR HALL
1/16" = 1'-0"

1 A-311.00

1 A-312.00

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REV	DESCRIPTION	DRW BY	CHK BY	DATE
B	FINAL SUBMISSION	RAC	ZH	12/12/2022
A	INTERIM SUBMISSION	RAC	ZH	09/13/2022

Kiewit 470 Chestnut Ridge Rd # 2,
Woodcliff Lake, NJ 07677

Hitachi Energy 901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

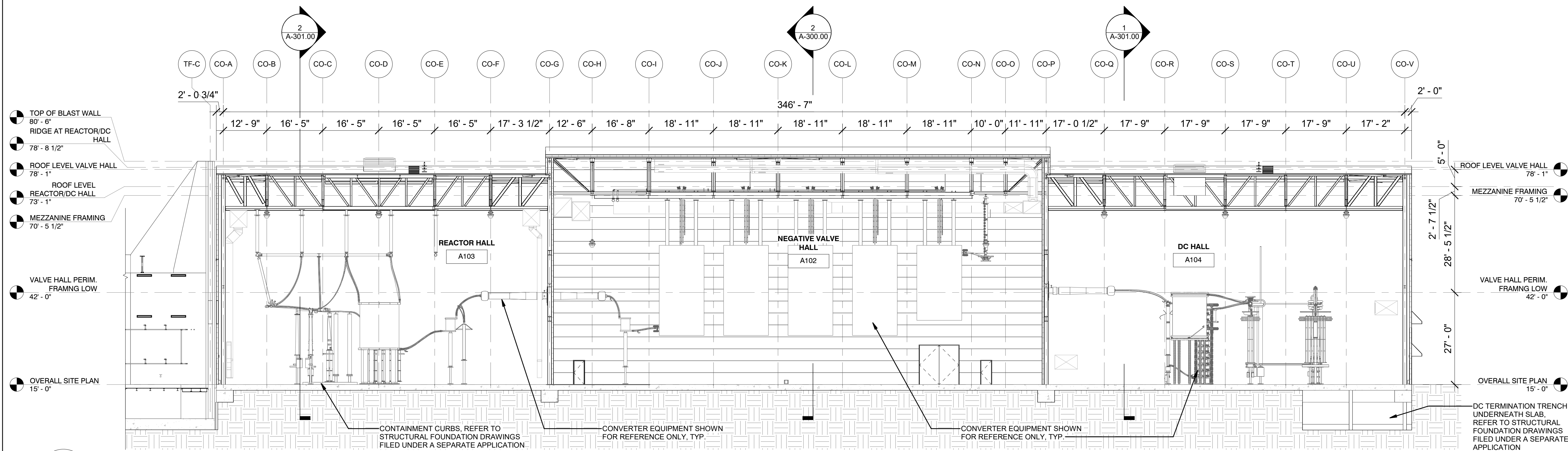
CHPE
Champlain Hudson
Power Express

Astoria HVDC
Converter Station
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

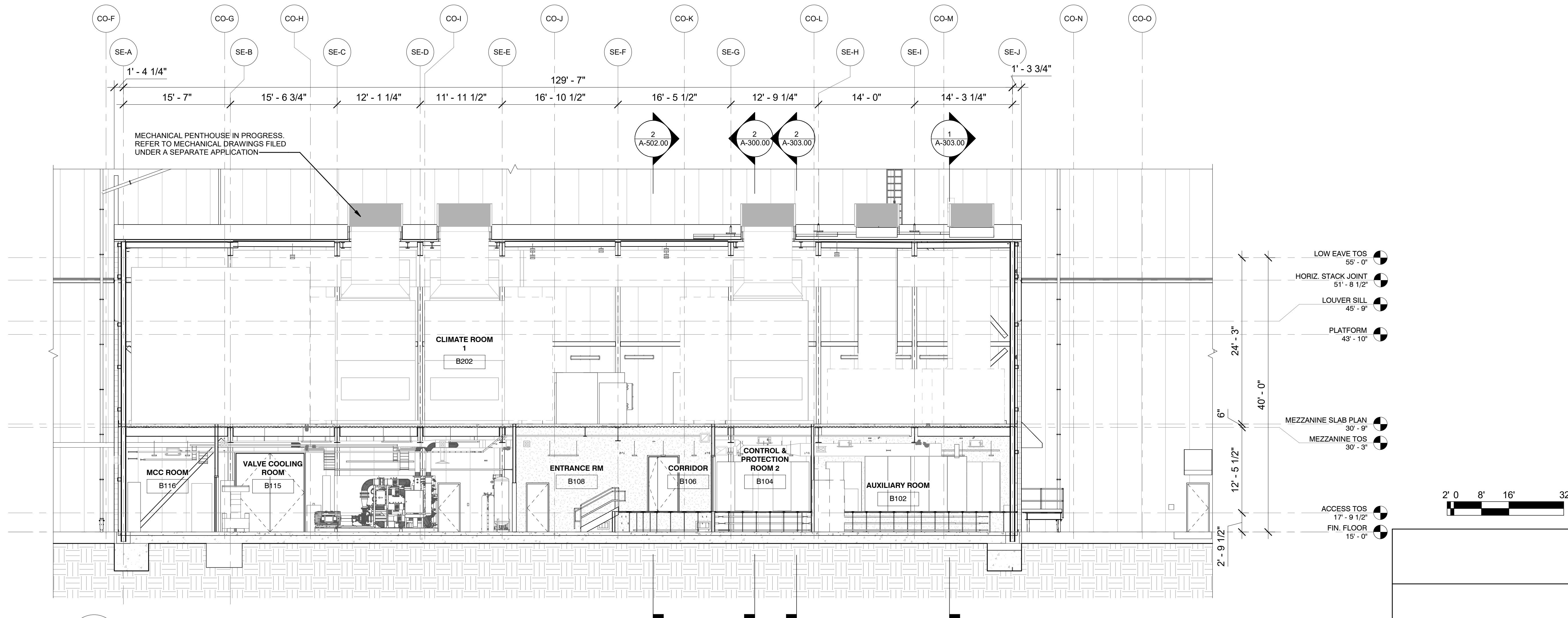
CONVERTER BUILDING
SECTIONS 2

REGISTERED ARCHITECT
SOWINSKI SULLIVAN
STATE OF NEW YORK
026049

DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-301.00
CADD FILE NO
Astoria CHA-KE-111-ZZ-M3-A-001.rvt



1 SECTION - ALL HALLS 2
A-100.00 1/16" = 1'-0"



2 SECTION - SERVICE BUILDING 2
A-100.00 1/8" = 1'-0"

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Hitachi Energy
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PROJECT

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Power Express

Astoria HVDC Converter Station

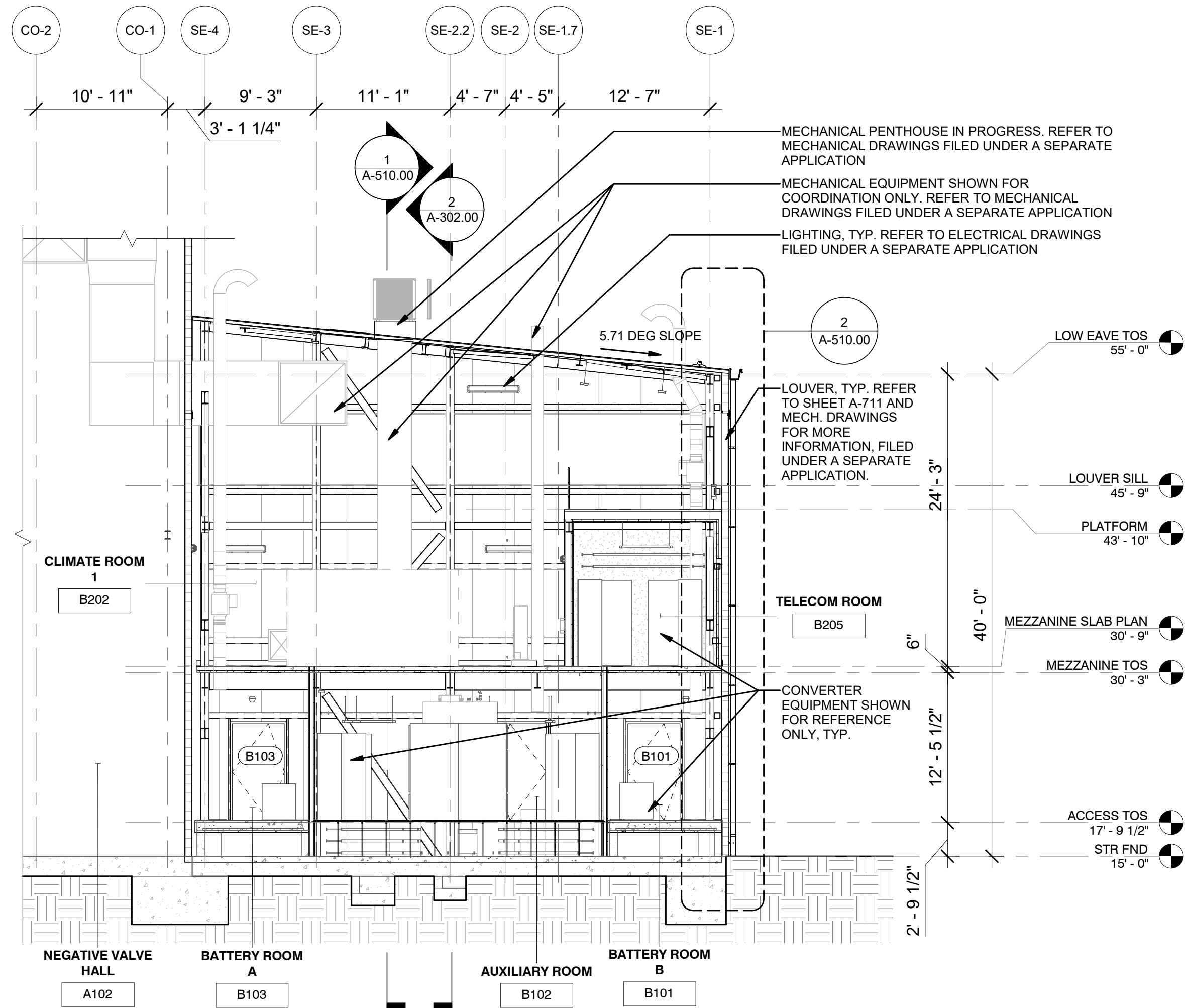
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BUILDING SECTIONS 3

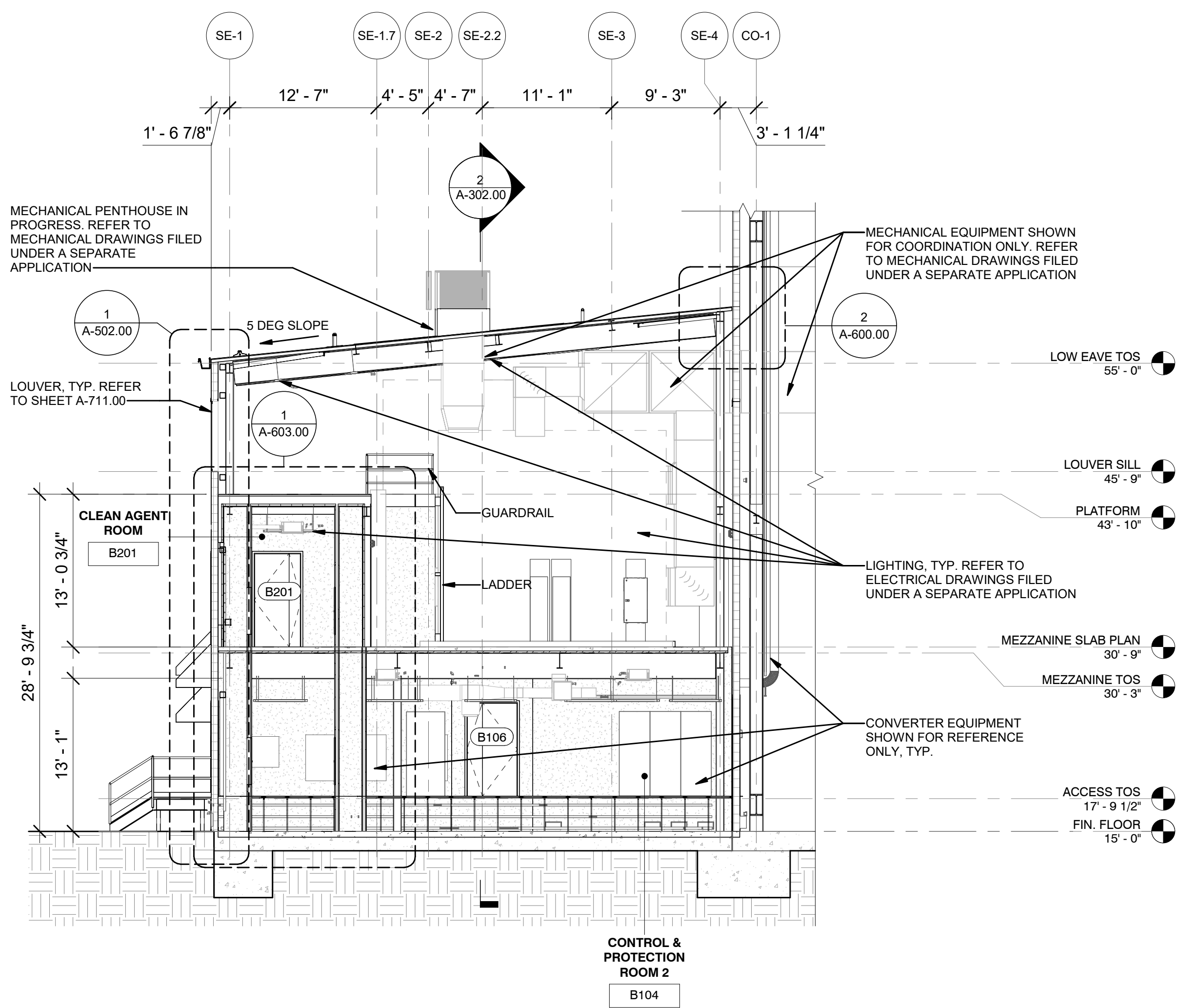


DATE 12/12/22
PROJECT NO 105121
DRAWING BY R. COLES
CHECKED BY Z. HARR
DRAWING NO
A-302.00
CADD FILE NO
Astoria-HVDC-CHPE
Astoria-CHV-KIE-111-ZZ-M3-A-001.rvt

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1 SECTION - SERVICE BUILDING 1
A-100.00 1/8" = 1'-0"



2 SECTION - SERVICE BUILDING 3
A-100.00 1/8" = 1'-0"



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PROJECT

CHPE
Champlain Hudson
Power Express

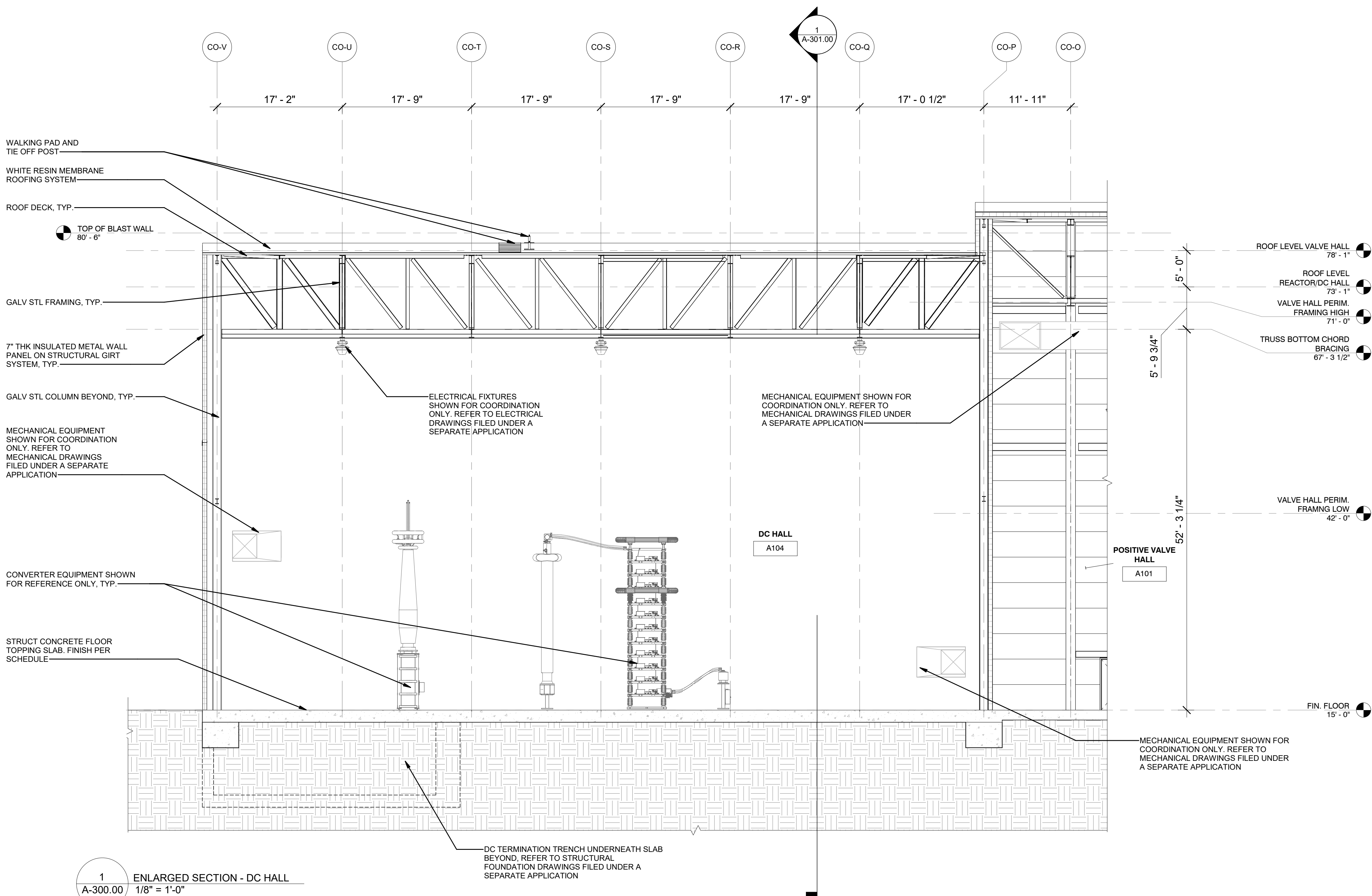
**Astoria HVDC
Converter Station**

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**SERVICE BUILDING
SECTIONS**



DATE 12/12/22
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A-303.00
CADD FILE NO
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1
A-300.00
ENLARGED SECTION - DC HALL
1/8" = 1'-0"

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**CONVERTER BLDG. DC
HALL ENLARGED SECTION**



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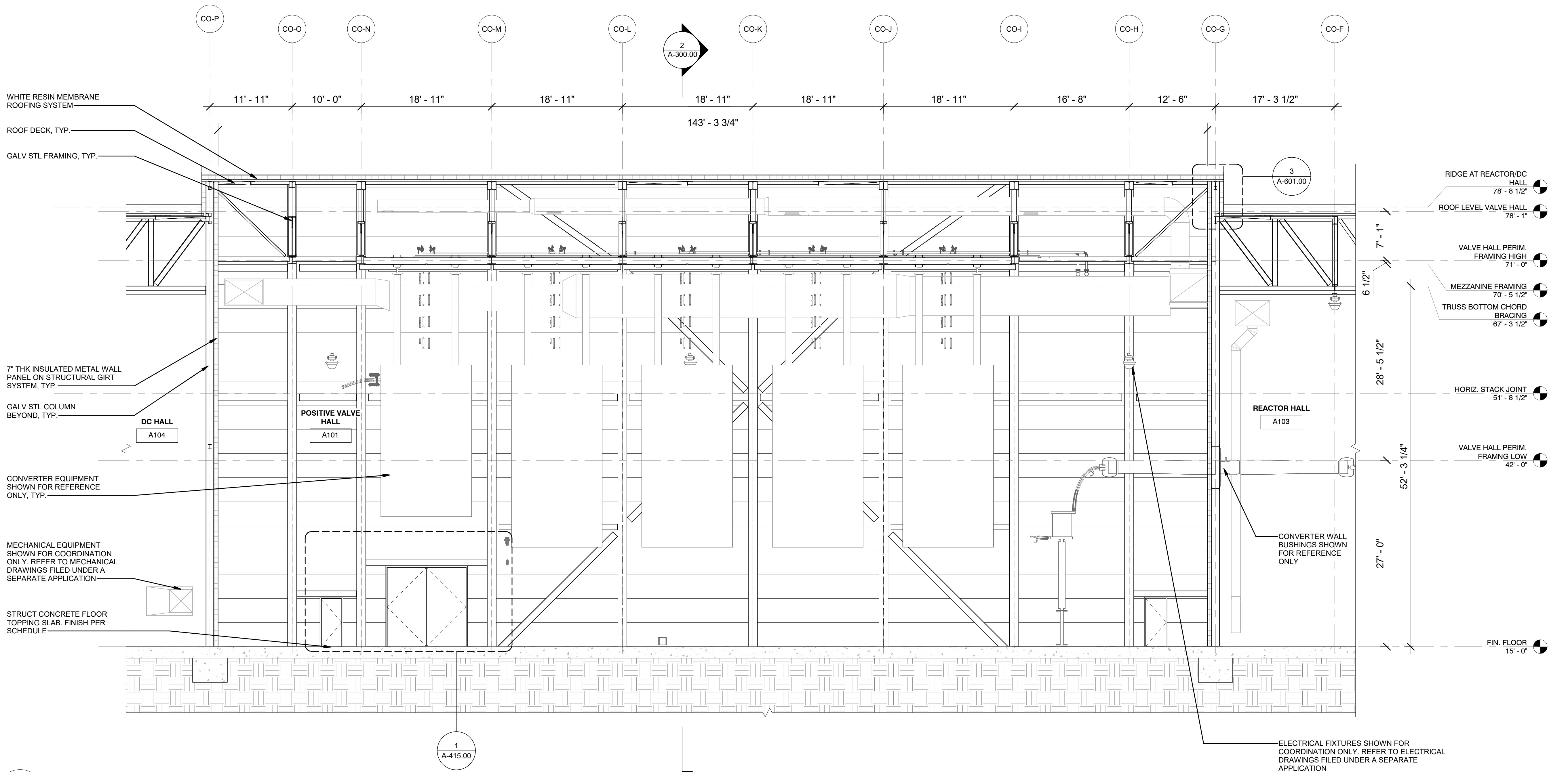
Astoria HVDC
Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG. VALVE
HALL ENLARGED SECTION



DATE 12/12/22
PROJECT NO 105121
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A-305.00
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REV	DESCRIPTION	DRW BY	CHK BY	DATE

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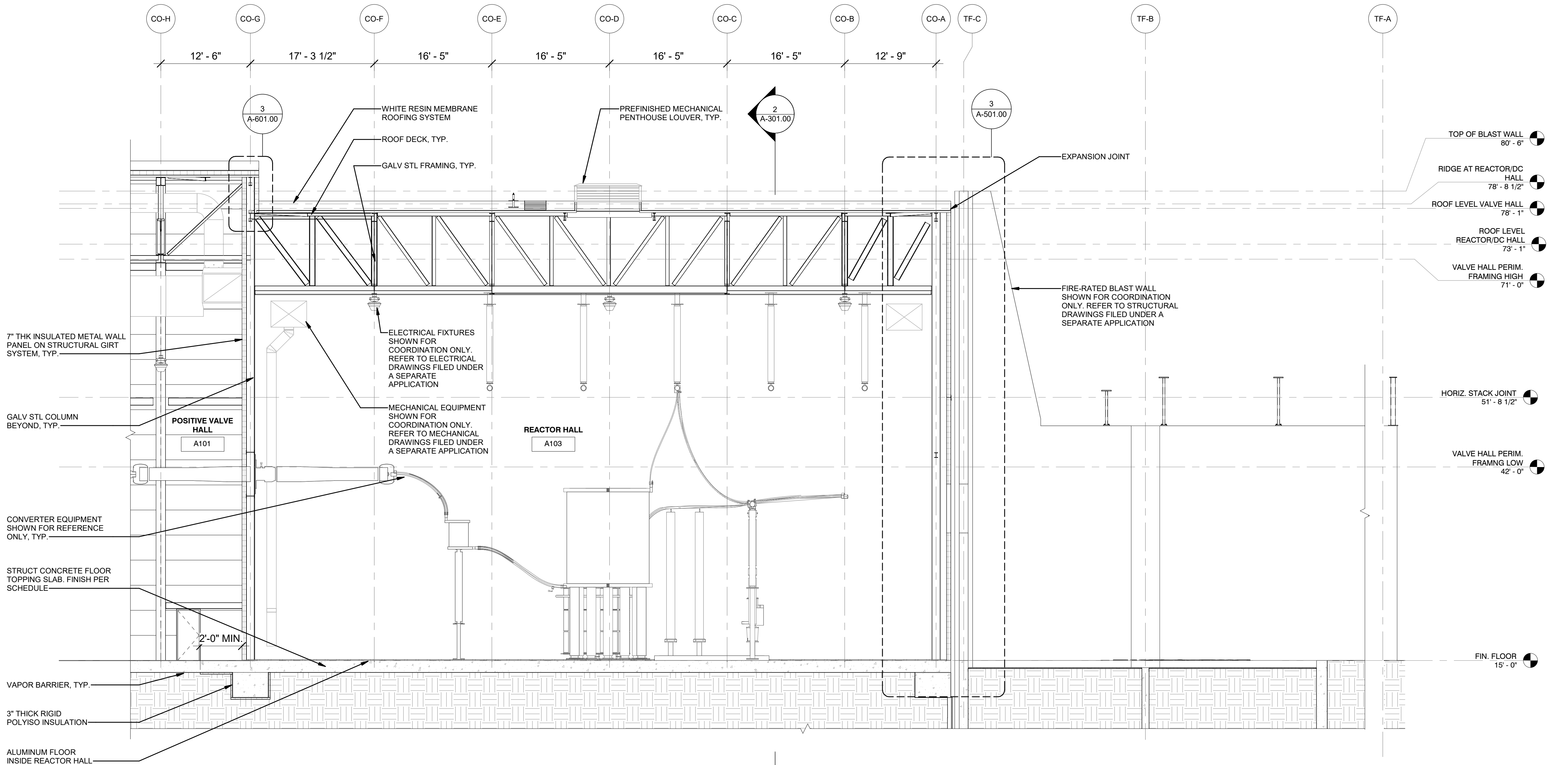
Astoria HVDC
Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG.
REACTOR HALL
ENLARGED SECTION



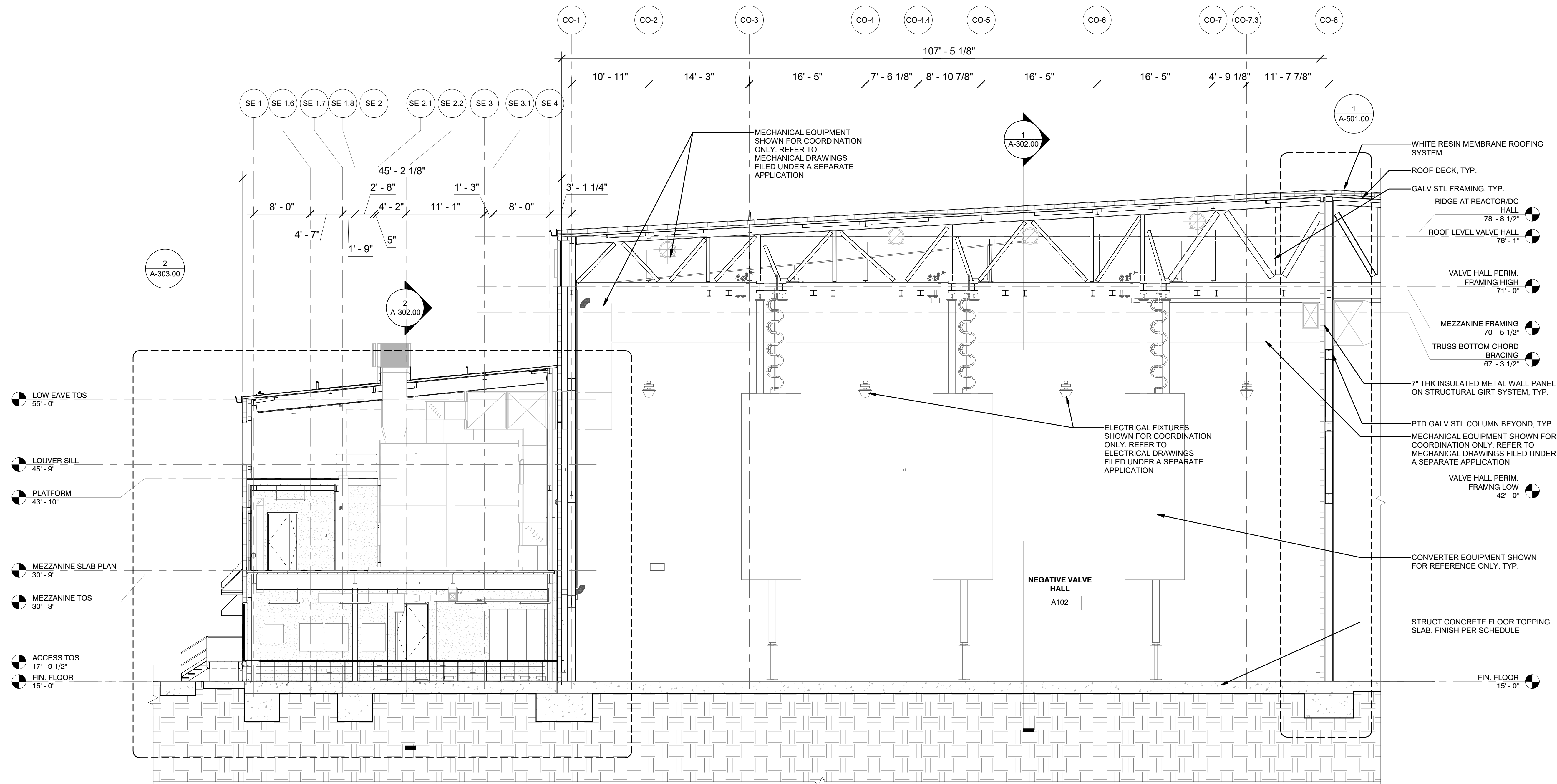
DATE 12/12/22
PROJECT NO 105121
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DRAWING NO
A-306.00
CADD FILE NO
Astoria-HVDC-CHPE
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1 SECTION - REACTOR HALL.
1/8" = 1'-0"

1' 0 4' 8' 16'

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REFER TO ELECTRICAL
DRAWINGS FOR MORE
INFORMATION, TYP.

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REV	DESCRIPTION	DRW BY	CHK BY	DATE



PROJECT



Astoria HVDC Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

CONVERTER BLDG. VALVE HALL AND SERVICE BLDG. ENLARGED SECTION



DATE	12/12/22
PROJECT NO	105121
DRAWING BY	Author
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DRAWING NO A-307.00	
CADD FILE N° Autoria/Diseño: H-P-E Astoriza/CMA-CXE: 111-ZZ-M3-A-001-rt	

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REV	DESCRIPTION	DRW BY	CHK BY	DATE
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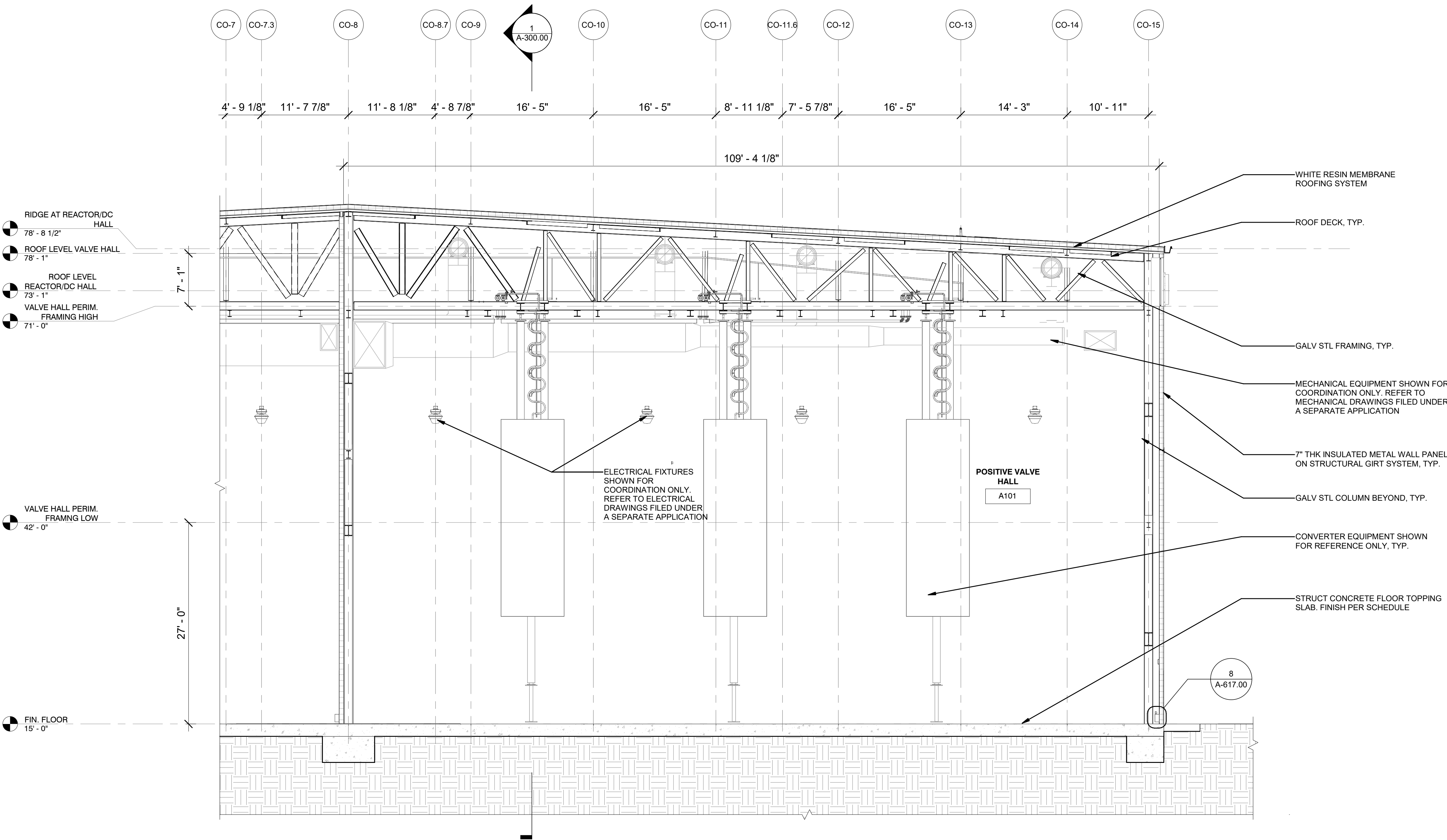
**Astoria HVDC
Converter Station**

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**CONVERTER BLDG. VALVE
HALL 1 ENLARGED
SECTION**



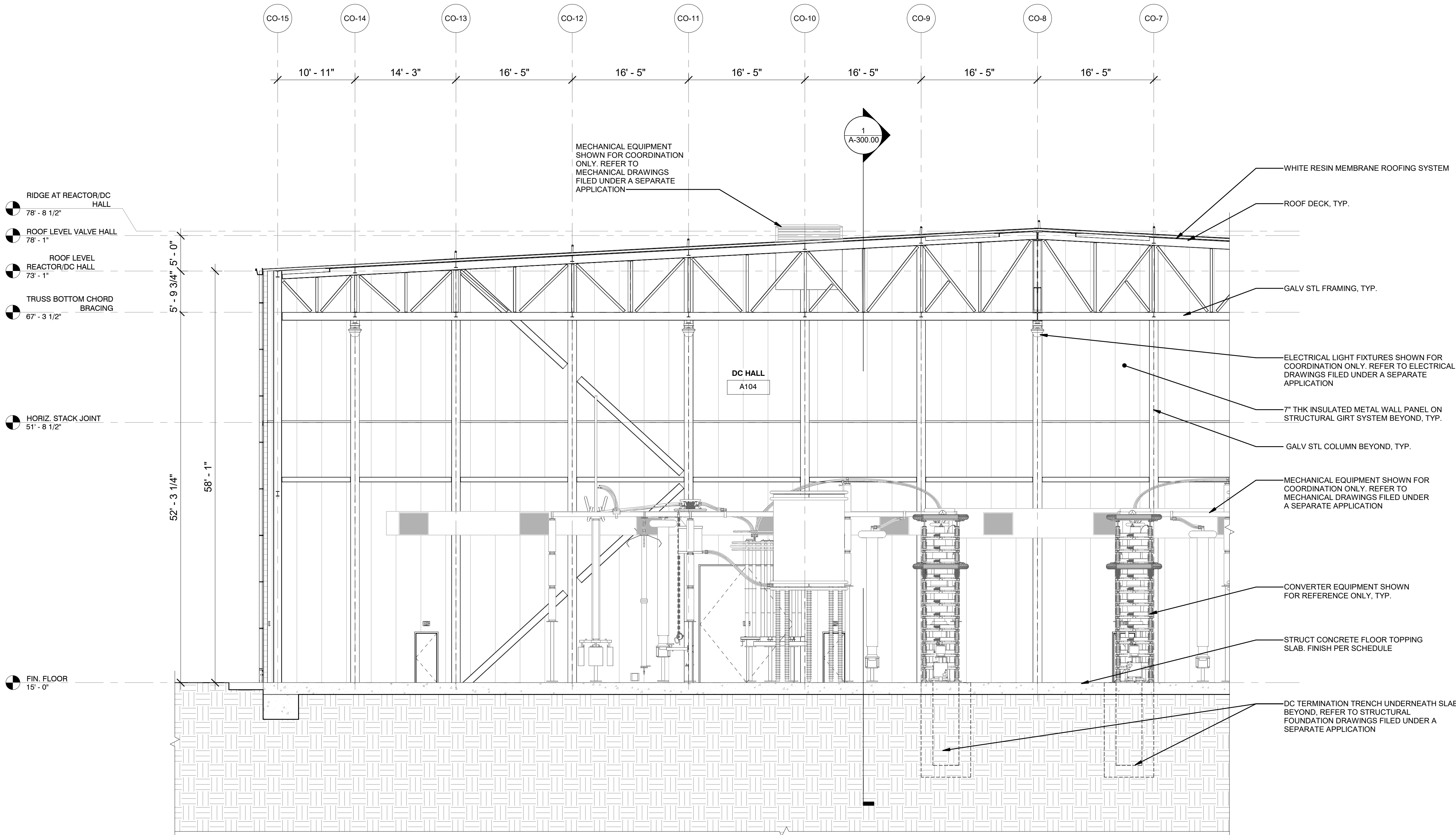
DATE 12/12/22
PROJECT NO 105121
DRAWING BY Author
CHECKED BY Designer
DRAWING NO
A-308.00
CADD FILE NO
AstoriaHVDC-CHPE
AstoriaCHPE-111-22-M3-A-001.rvt



1' 0 4' 8' 16'

1 ENLARGED SECTION - VALVE HALL 1
A-300.00 1/8" = 1'-0"

ISSUED FOR PERMIT



1
A-301.00

ENLARGED SECTION - DC HALL 3
1/8" = 1'-0"

1' 0 4' 8' 16'

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**CONVERTER BUILDING
ENLARGED SECTIONS DC
HALL**



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PROJECT NO 105121
DRAWING BY Author
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DRAWING NO
A-309.00
CADD FILE NO
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