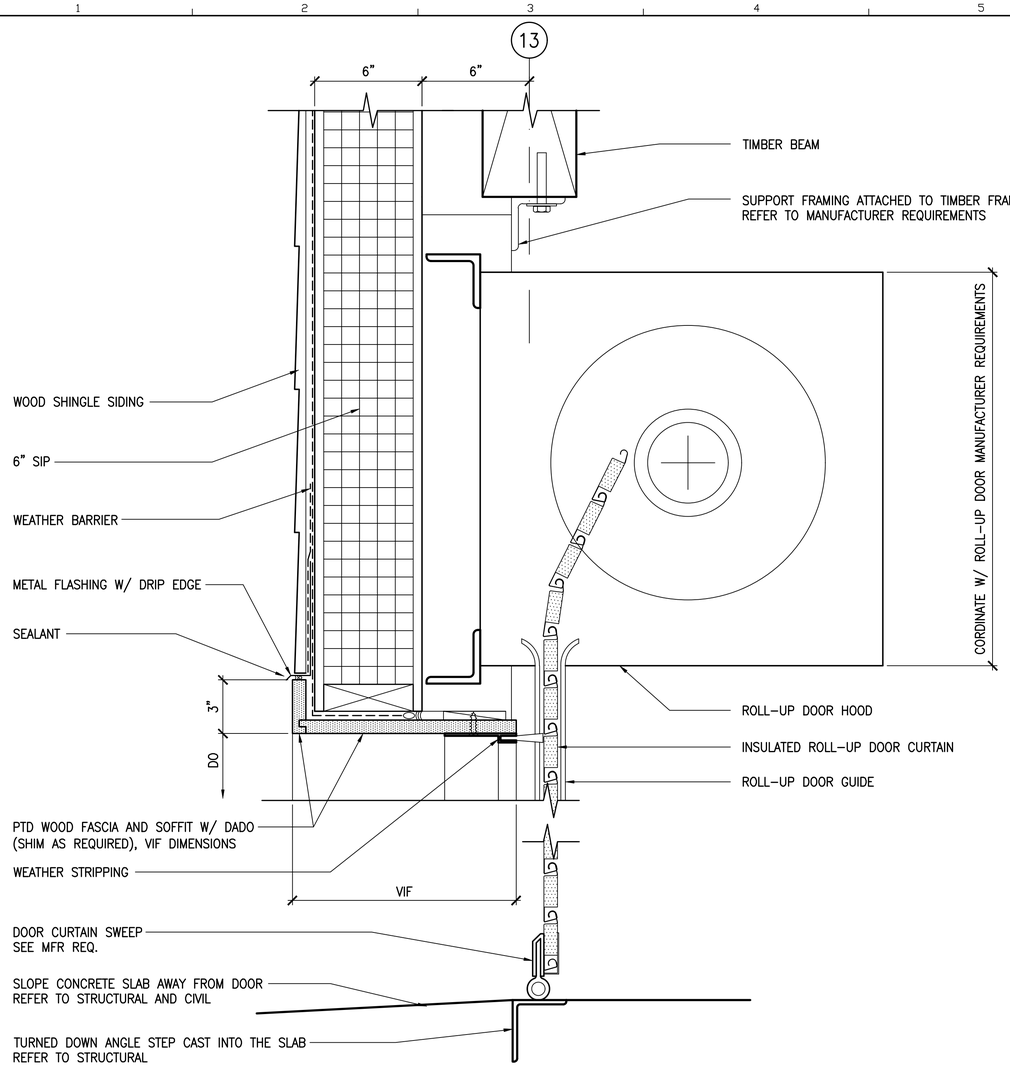
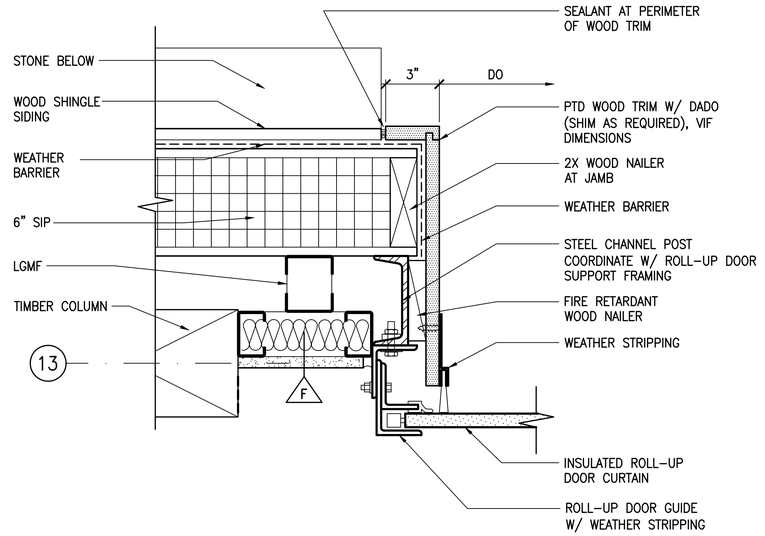
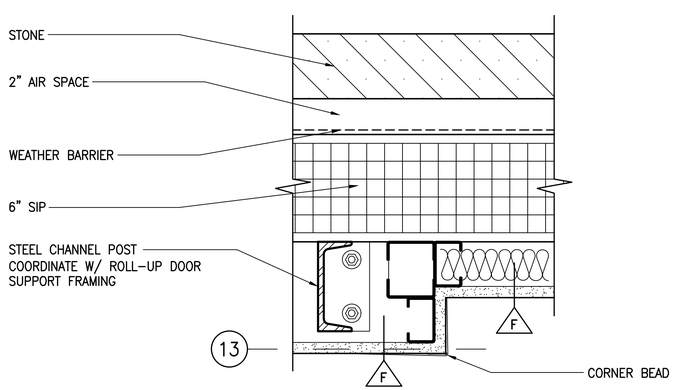


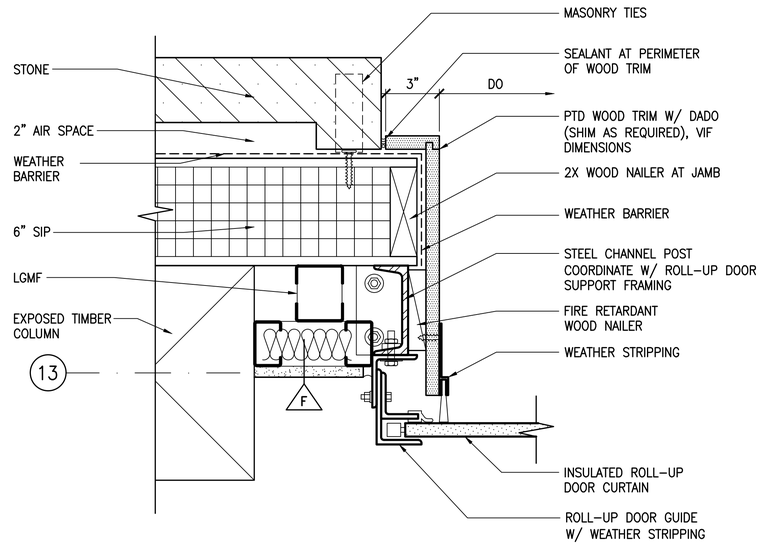
2 ROLL-UP DOOR HEAD / THRESHOLD DETAIL
3"=1'-0"



1 ROLL-UP DOOR JAMB DETAIL
3"=1'-0"



3 ROLL-UP DOOR JAMB TRANSITION DETAIL
3"=1'-0"



4 ROLL-UP DOOR JAMB DETAIL AT STONE
3"=1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

LICENSED ARCHITECT
KAYLA MICHELLE WENGER
No. 5292
STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIC. NUMBER	ARC5292
DATE	JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

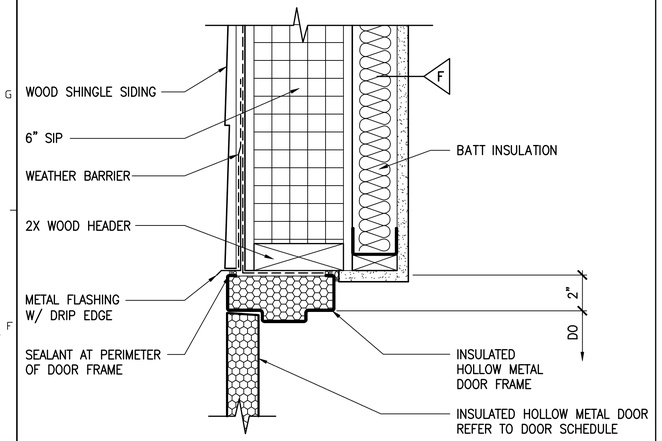
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

DOOR DETAILS II

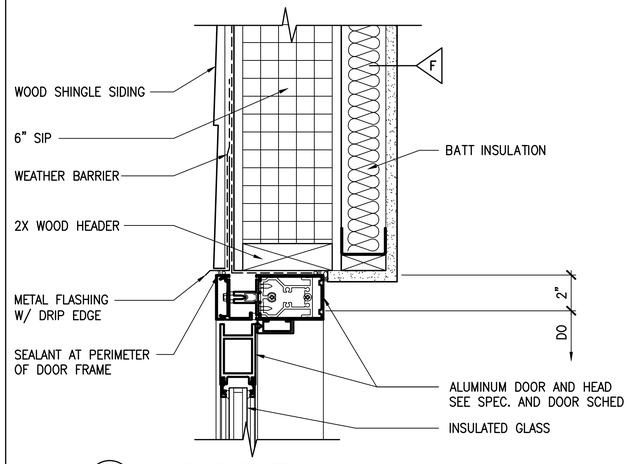
SHEET NUMBER
A805

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

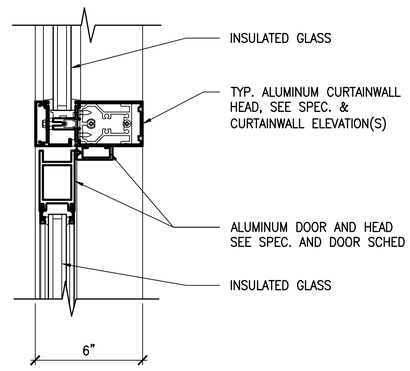
\\na.aecomnet.com\lfs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001_MaineDOT_Acadia_Gateway\900_CAD_GIS\910_CAD\Sheet\A805.dwg Jan 17, 2022 - 3:36pm



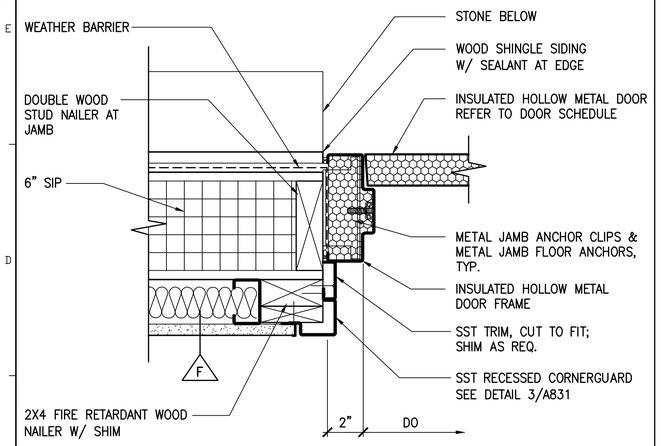
3 DOOR HEAD DETAIL
3"=1'-0"



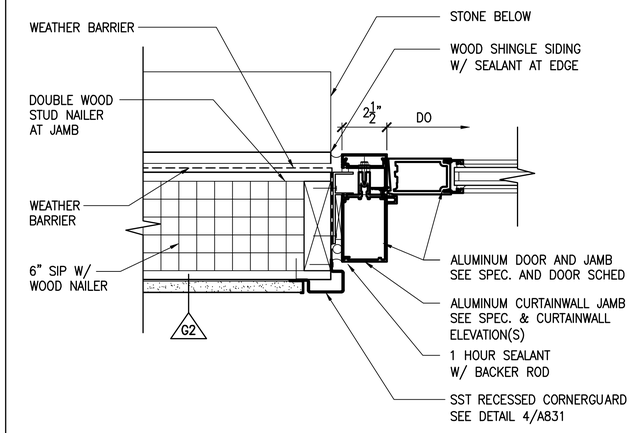
2 DOOR HEAD DETAIL
3"=1'-0"



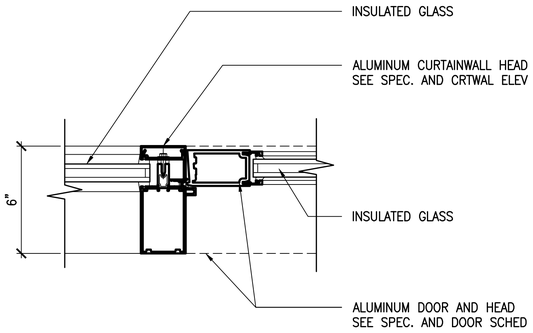
1 CURTAINWALL DOOR HEAD DETAIL
3"=1'-0"



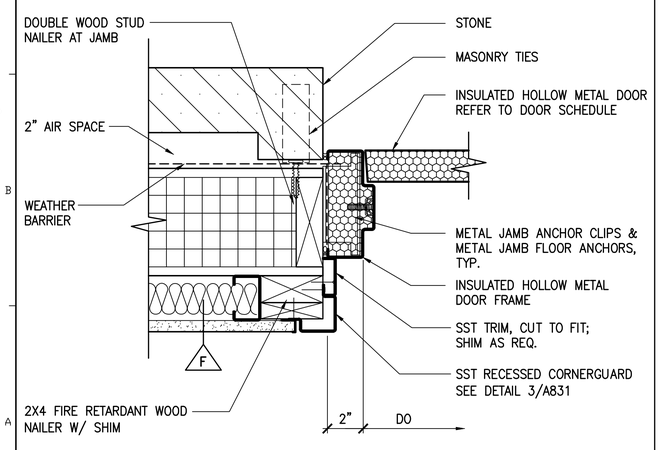
6 DOOR JAMB DETAIL
3"=1'-0"



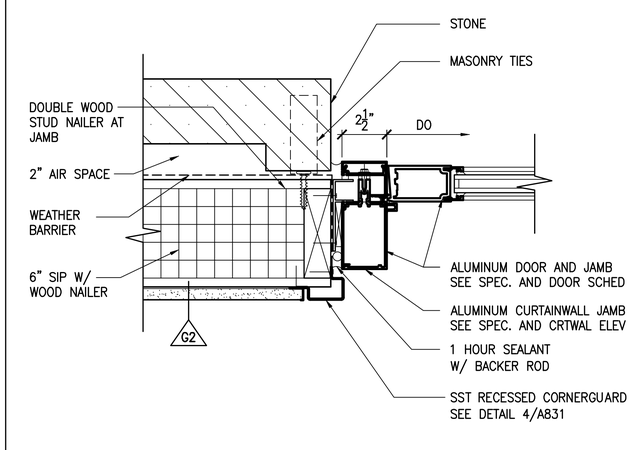
5 DOOR JAMB DETAIL
3"=1'-0"



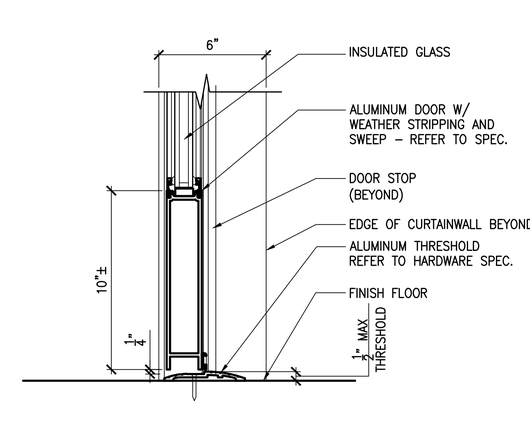
4 CURTAINWALL DOOR JAMB DETAIL
3"=1'-0"



9 DOOR JAMB DETAIL AT STONE
3"=1'-0"



8 DOOR JAMB DETAIL AT STONE
3"=1'-0"



7 THRESHOLD AT ALUMINUM DOOR DETAIL
3"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGER
No. 5292
STATE OF MAINE

INFORMATION	
PROJECT PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

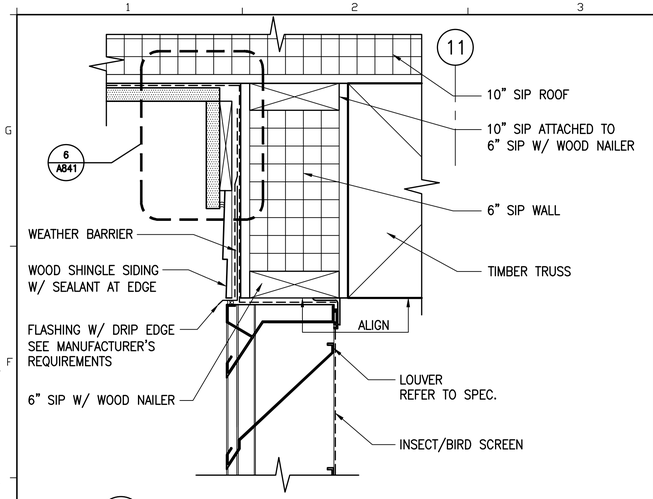
SIGNATURE
ARCH. LIN. NUMBER ARC5292
DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

DOOR DETAILS III

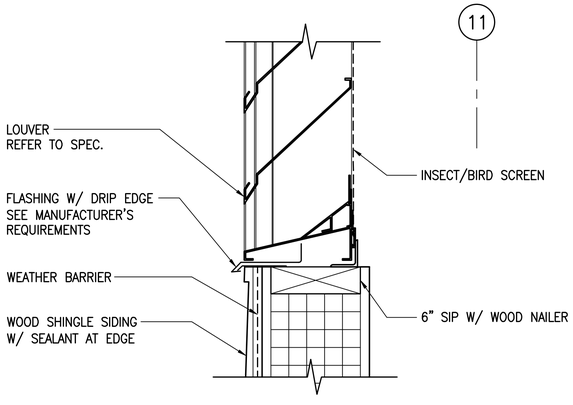
SHEET NUMBER
A806

\\na.aecomnet.com\lfs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001_MaineDOT_Acadia_Gateway\900_CAD_GIS\910_CAD\Sheet\A806.dwg Jan 17, 2022 - 3:36pm

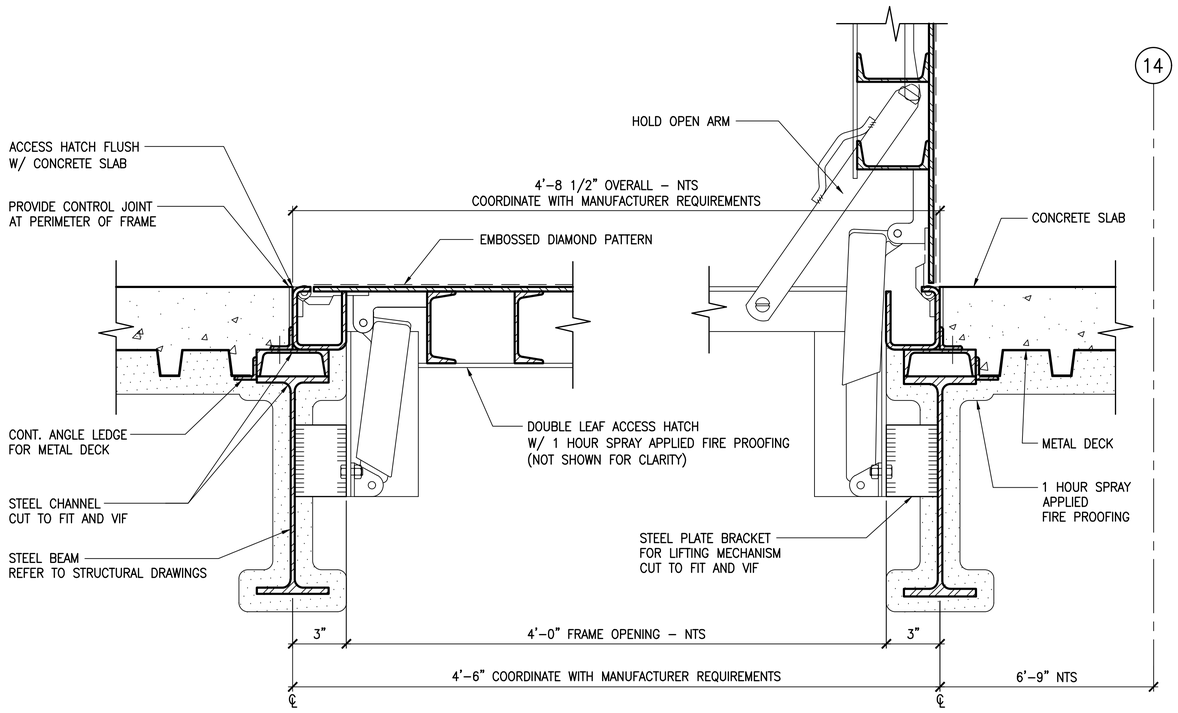


3 LOUVER HEAD DETAIL
3"=1'-0"

4 NOT USED
3"=1'-0"

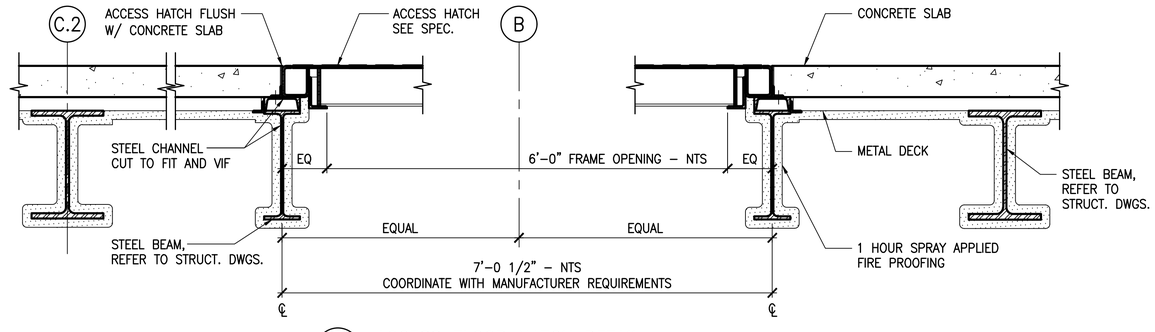


5 LOUVER SILL DETAIL – JAMB SIMILAR
3"=1'-0"



1 ACCESS FLOOR HATCH DETAIL
3"=1'-0"

REFER TO STRUCTURAL DRAWINGS



2 ACCESS FLOOR HATCH DETAIL
1 1/2"=1'-0"

REFER TO STRUCTURAL DRAWINGS

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO:	NA
WIN NO:	017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIN. NUMBER	ARC5292
DATE	JANUARY 17, 2022

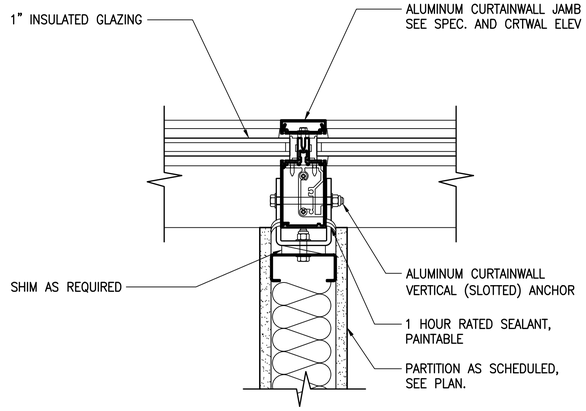
PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

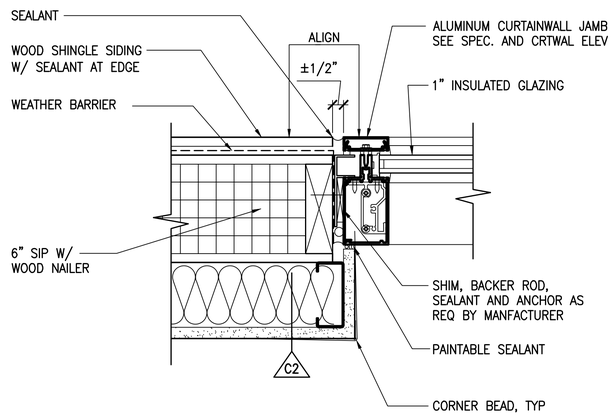
LOUVER AND HATCH DETAILS

SHEET NUMBER
A807

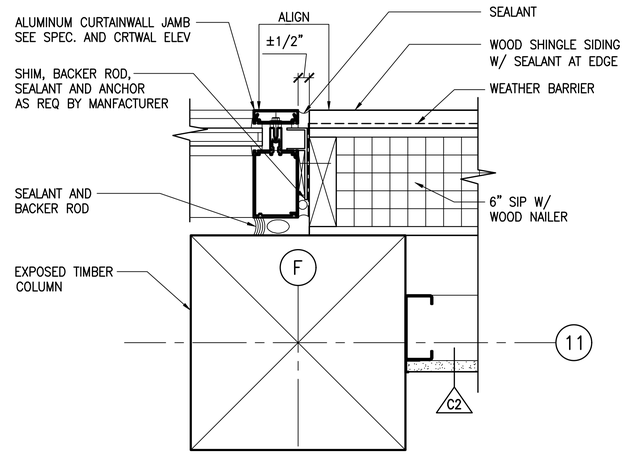
\\na.aecomnet.com\fs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001_MaineDOT_Acadia_Gateway\900_CAD_GIS\910_CAD\Sheet\A807.dwg Jan 17, 2022 - 3:37pm



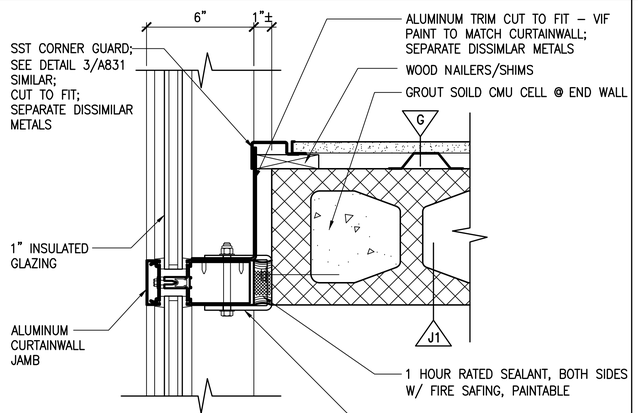
3 CURTAINWALL JAMB DETAIL
3"=1'-0"



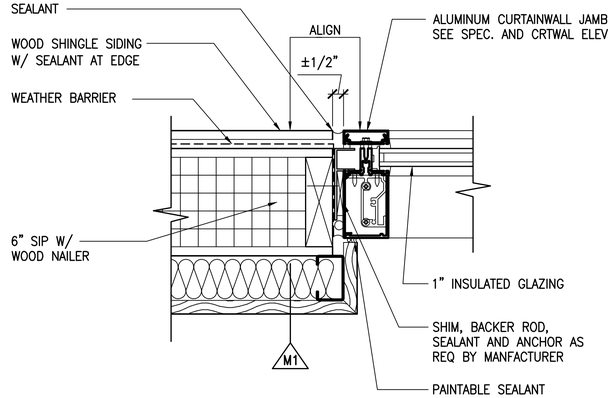
2 CURTAINWALL JAMB DETAIL
3"=1'-0"



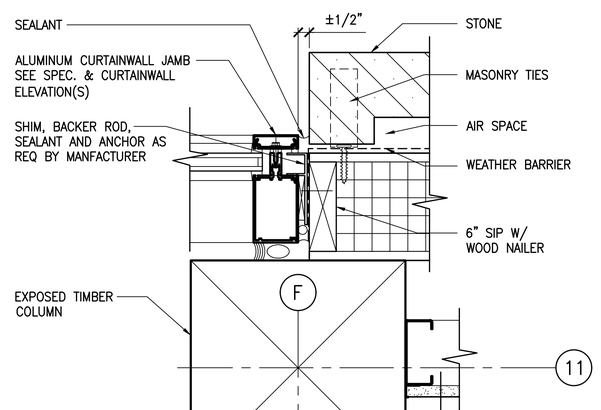
1 CURTAINWALL JAMB DETAIL
3"=1'-0"



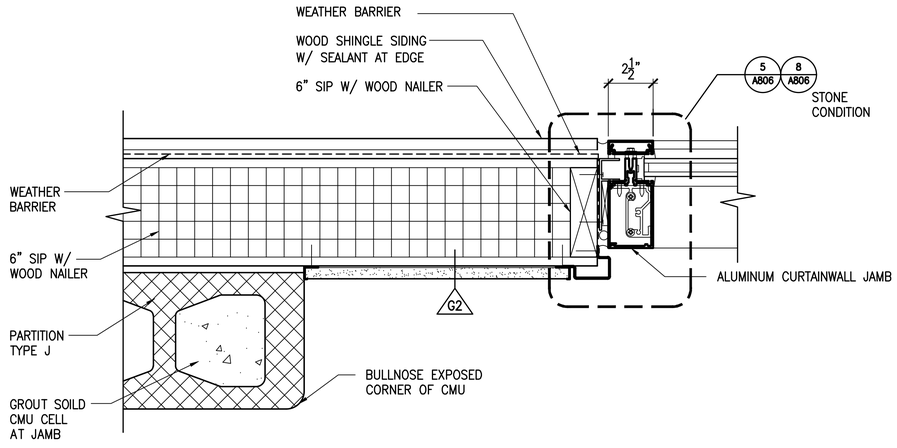
6 CURTAINWALL JAMB DETAIL
3"=1'-0"



5 CURTAINWALL JAMB DETAIL
3"=1'-0"



4 CURTAINWALL JAMB DETAIL
3"=1'-0"



7 CURTAINWALL JAMB DETAIL
3"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

INFORMATION			
PROJECT		SIGNATURE	
PROGRAM	-		
PROJECT MANAGER	-	AECOM	
DESIGNER	-	ARCH. LIN. NUMBER	ARC5292
CONSULTANT	-		
PROJECT RESIDENT	-	DATE	JANUARY 17, 2022
CONTRACTOR	-		
PROJECT COMPLETION DATE	-		

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLAN DETAILS I

SHEET NUMBER
A810

Jan 17, 2022 - 3:37pm
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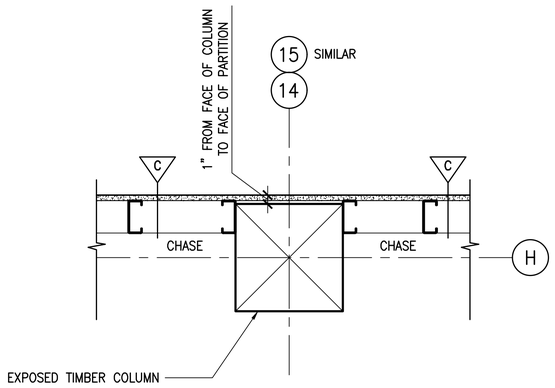
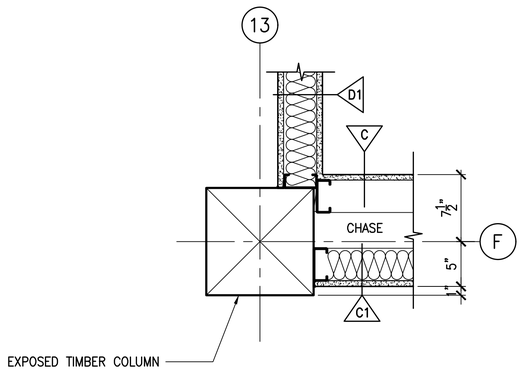
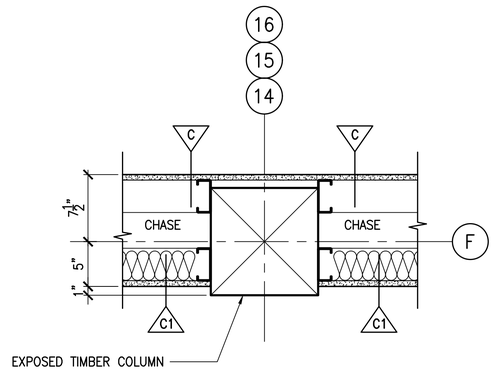


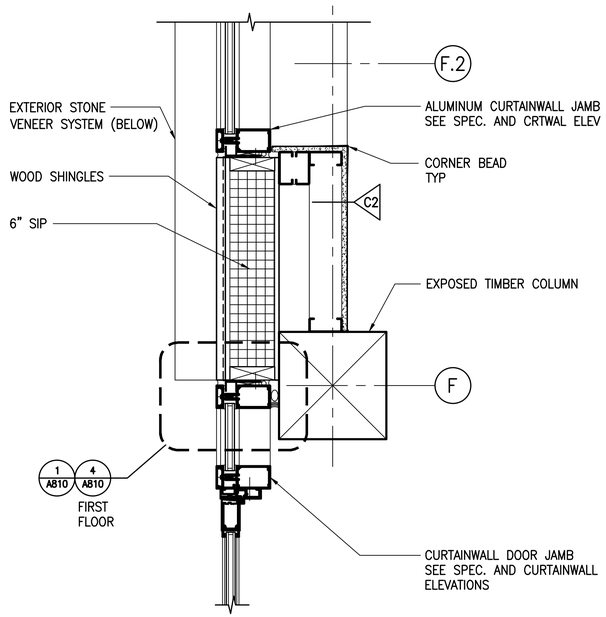
3 PLAN DETAIL
1 1/2"=1'-0"



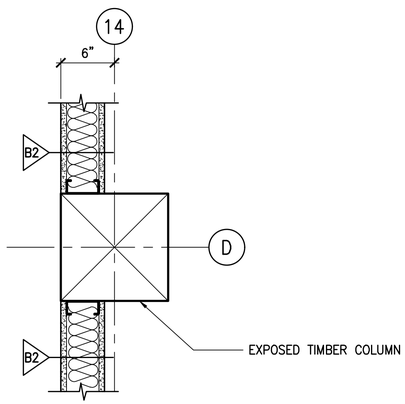
2 PLAN DETAIL
1 1/2"=1'-0"



1 PLAN DETAIL
1 1/2"=1'-0"

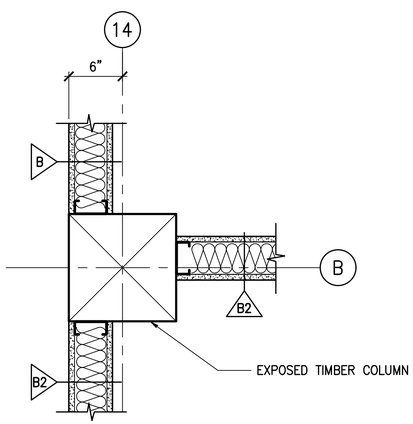


6 PLAN DETAIL
1 1/2"=1'-0"

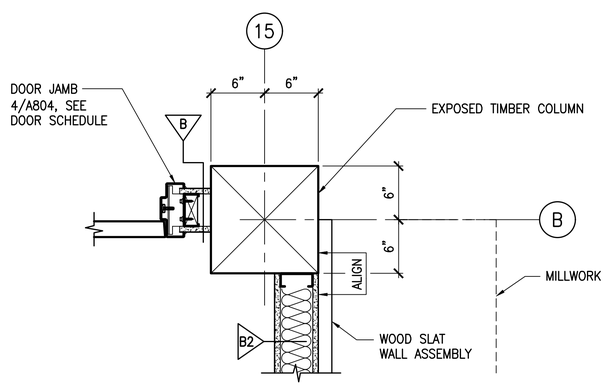


5 PLAN DETAIL
1 1/2"=1'-0"

4 NOT USED
1 1/2"=1'-0"



8 PLAN DETAIL
1 1/2"=1'-0"



7 PLAN DETAIL
1 1/2"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

SIGNATURE

ARCH. LIC. NUMBER
ARC5292

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLAN DETAILS II

SHEET NUMBER
A811

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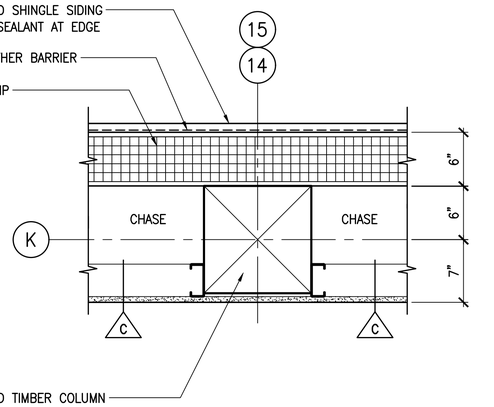
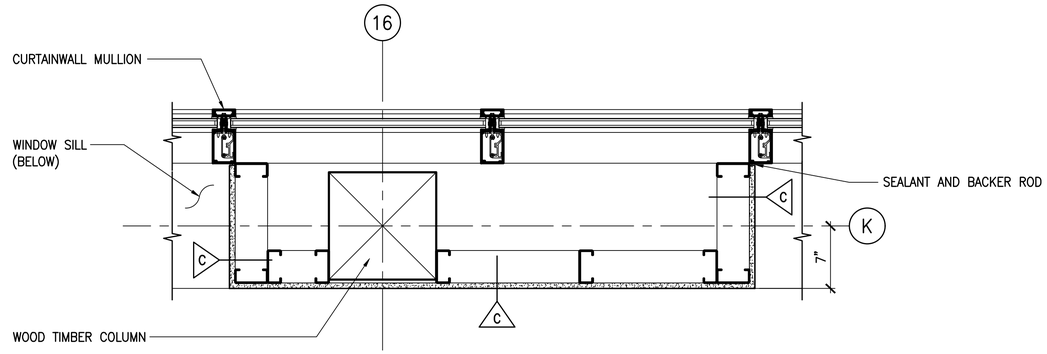
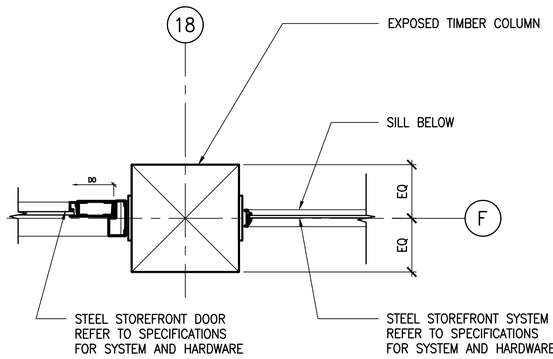


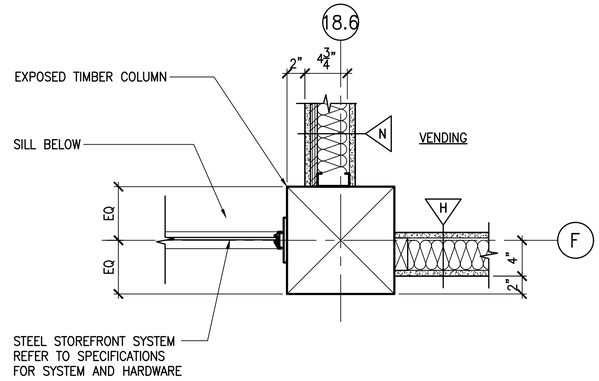
2 PLAN DETAIL
1 1/2"=1'-0"



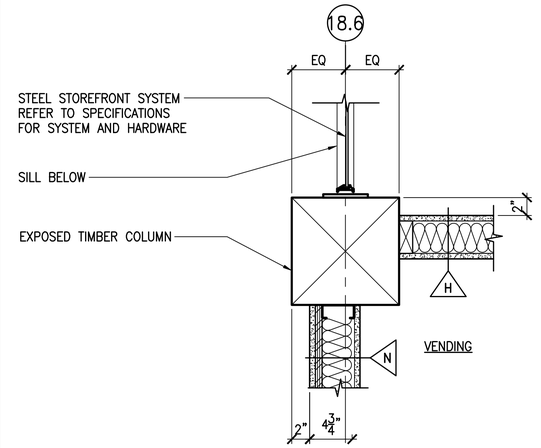
1 PLAN DETAIL
1 1/2"=1'-0"



5 PLAN DETAIL
1 1/2"=1'-0"



4 PLAN DETAIL
1 1/2"=1'-0"



3 PLAN DETAIL
1 1/2"=1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

SIGNATURE

ARCH. LIC. NUMBER
ARC5292

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

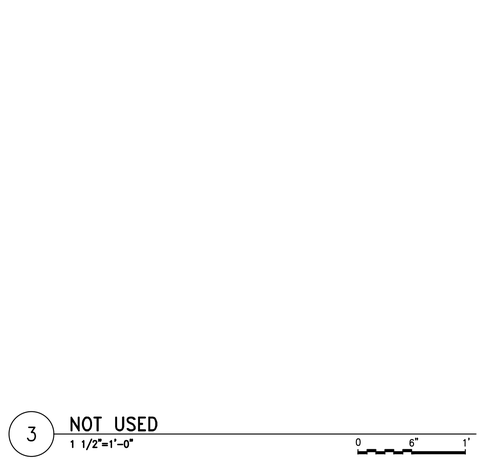
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

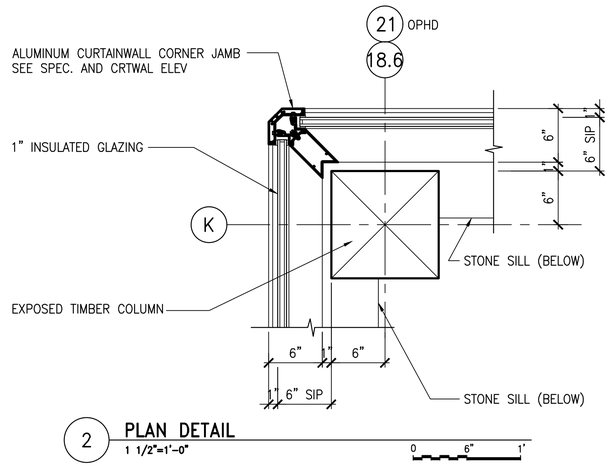
PLAN DETAILS III

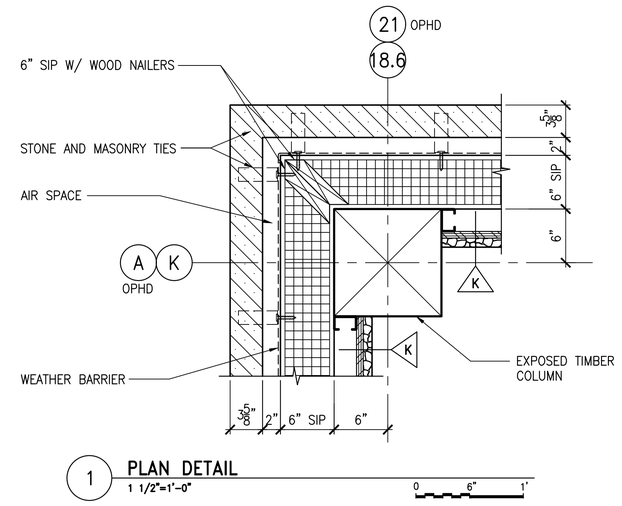
SHEET NUMBER
A812

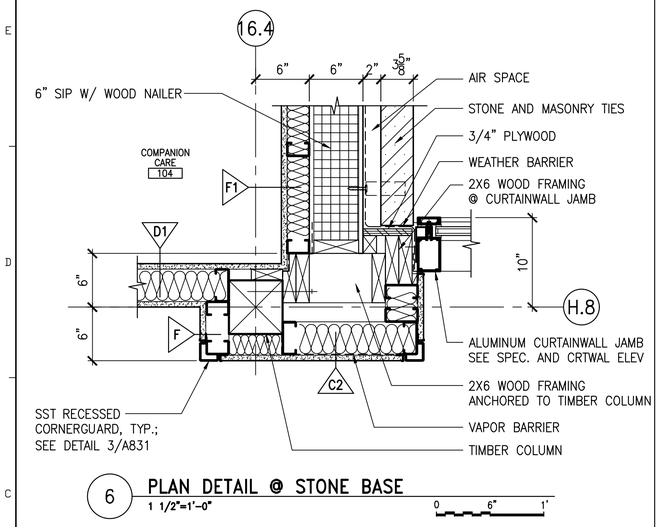
AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

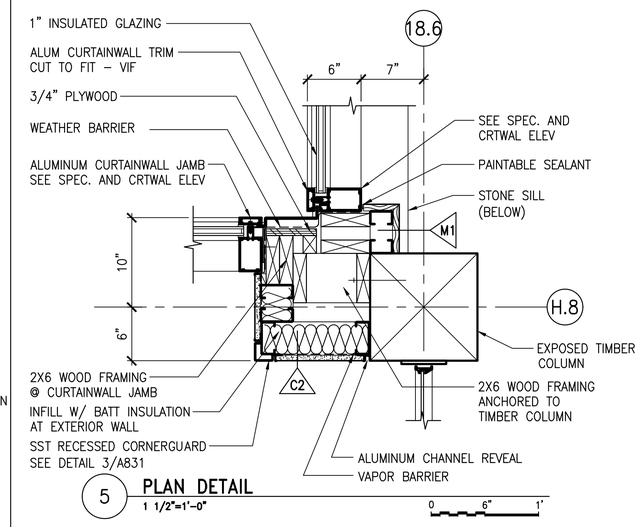
\\na.aecomnet.com\lfs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001_MaineDOT_Acadia_Gateway\900_CAD_GIS\910_CAD\Sheet\A812.dwg Jan 17, 2022 - 3:38pm

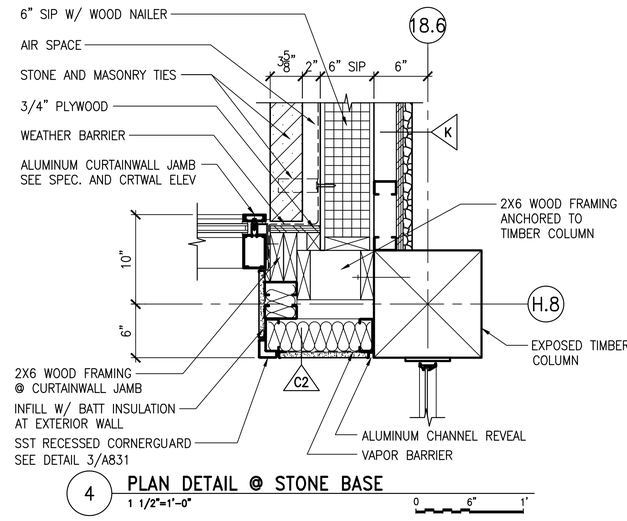


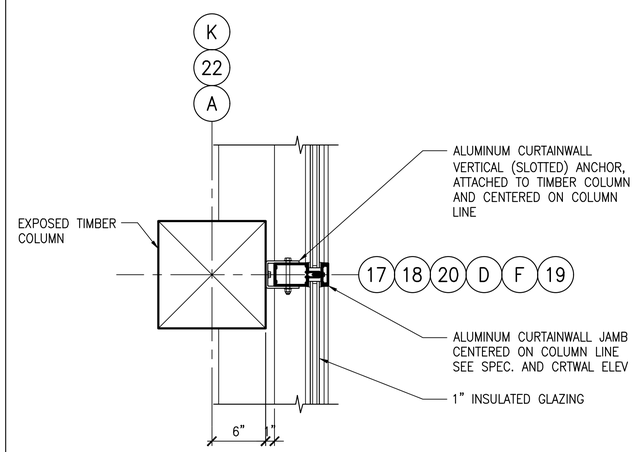


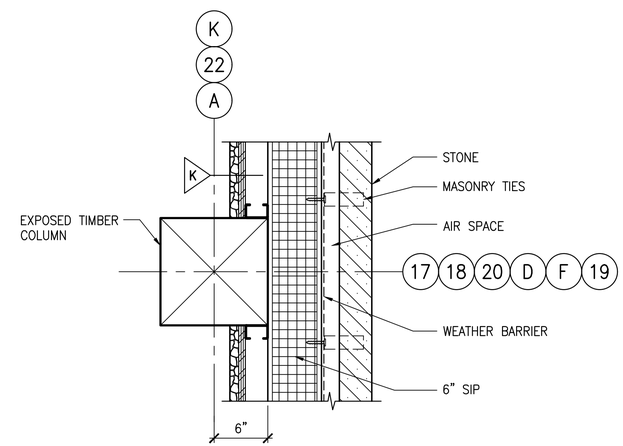












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1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler

INFORMATION	
SIGNATURE	
ARCH. LIN. NUMBER	ARC5292
DATE	JANUARY 17, 2022

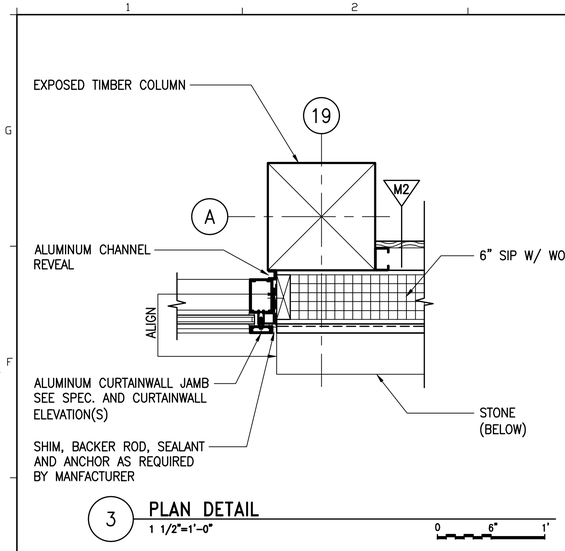
PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

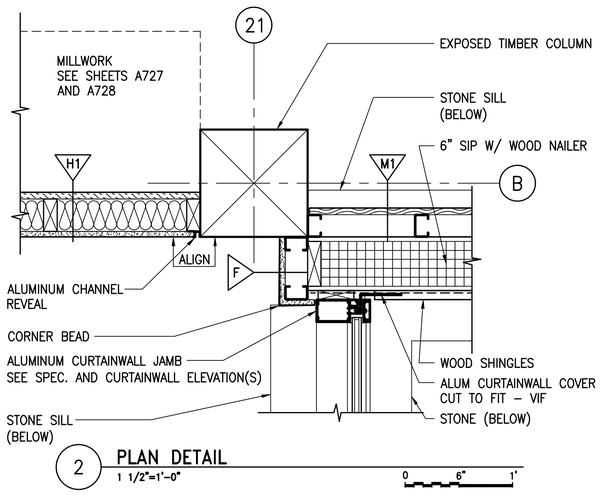
PLAN DETAILS IV

SHEET NUMBER
A813

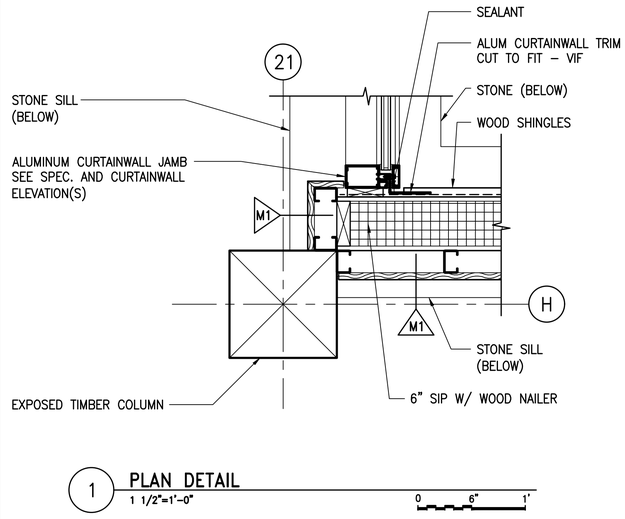
\\na.aecomnet.com\lfs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001_MaineDOT_Acadia_Gateway\900_CAD_GIS\910_CAD\Sheet\A813.dwg Jan 17, 2022 - 4:32pm



3 PLAN DETAIL
1 1/2"=1'-0"



2 PLAN DETAIL
1 1/2"=1'-0"



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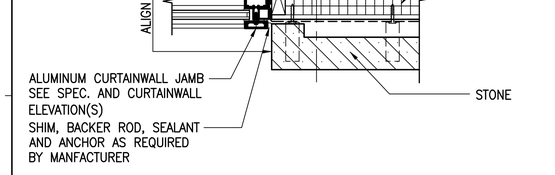

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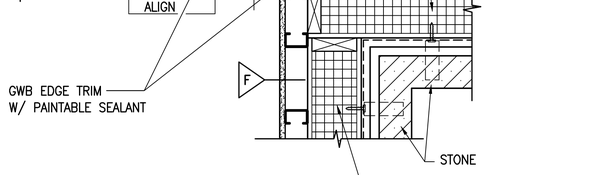
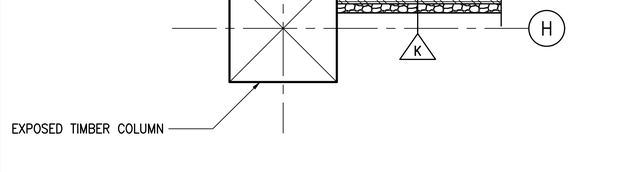
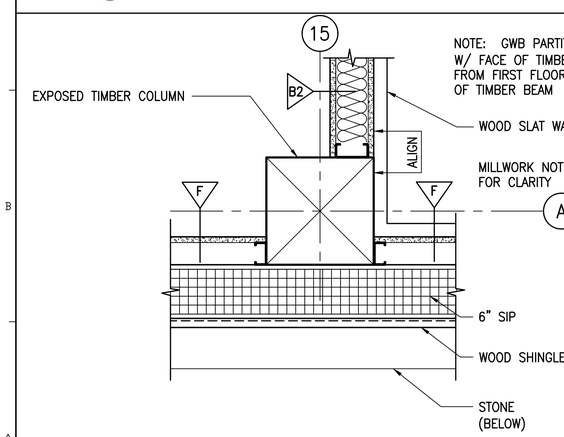
1 1/2"=1'-0"



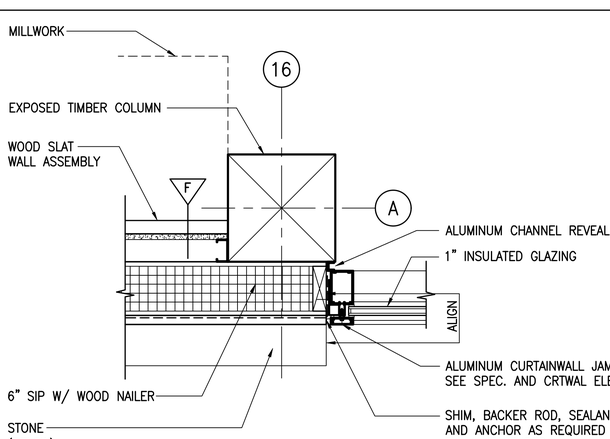
5 PLAN DETAIL @ STONE
1 1/2"=1'-0"



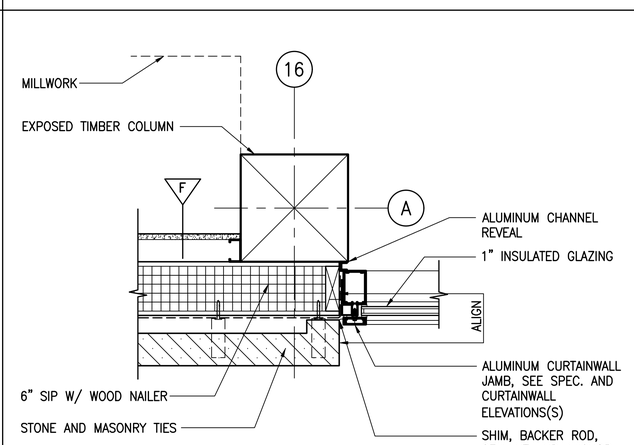
4 PLAN DETAIL
1 1/2"=1'-0"



9 PLAN DETAIL
1 1/2"=1'-0"



8 PLAN DETAIL
1 1/2"=1'-0"



7 PLAN DETAIL
1 1/2"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT KAYLA MICHELLE WENGLER No. 5292 STATE OF MAINE

Kayla Wengler

INFORMATION		
PROJECT	PROGRAM	–
	PROJECT MANAGER	–
	DESIGNER	AECOM
	CONSULTANT	–
	PROJECT RESIDENT	–
	CONTRACTOR	–
	PROJECT COMPLETION DATE	–

SIGNATURE
ARCH. LIC. NUMBER ARC5292
DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLAN DETAILS V

SHEET NUMBER
A814

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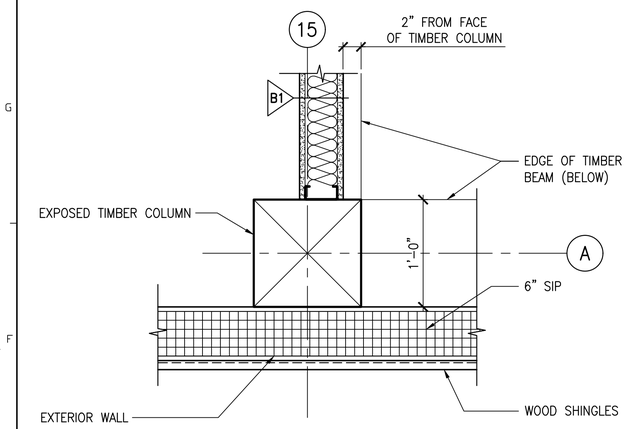
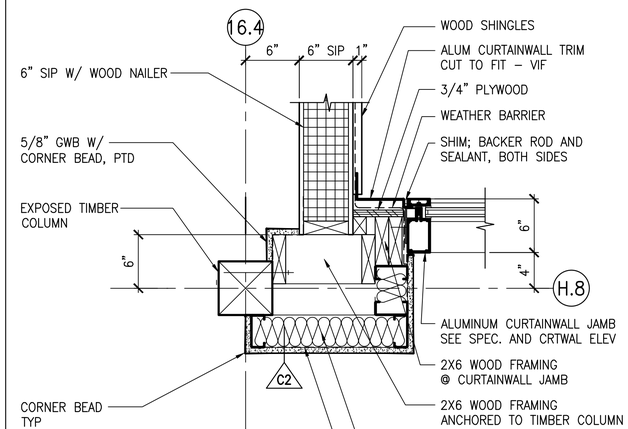
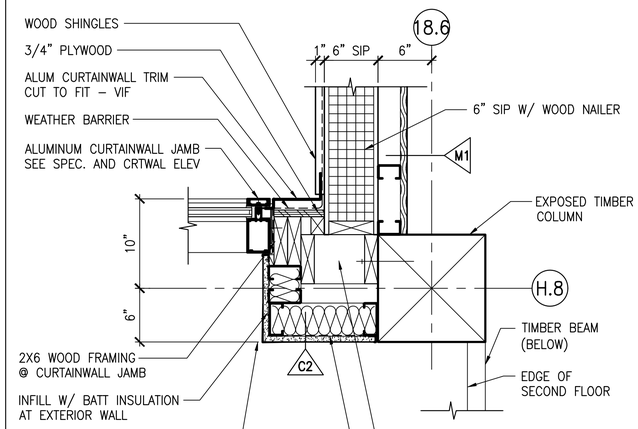


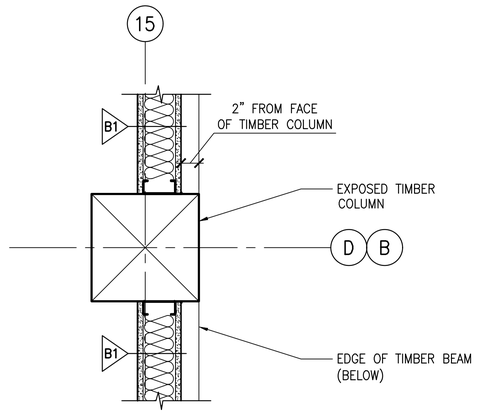
3 **PLAN DETAIL**
1 1/2"=1'-0"



2 **PLAN DETAIL**
1 1/2"=1'-0"



1 **PLAN DETAIL**
1 1/2"=1'-0"



4 **PLAN DETAIL**
1 1/2"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
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617.723.1700
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler
SIGNATURE

ARCH. LIN. NUMBER
ARC5292

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLAN DETAILS VI

SHEET NUMBER
A815

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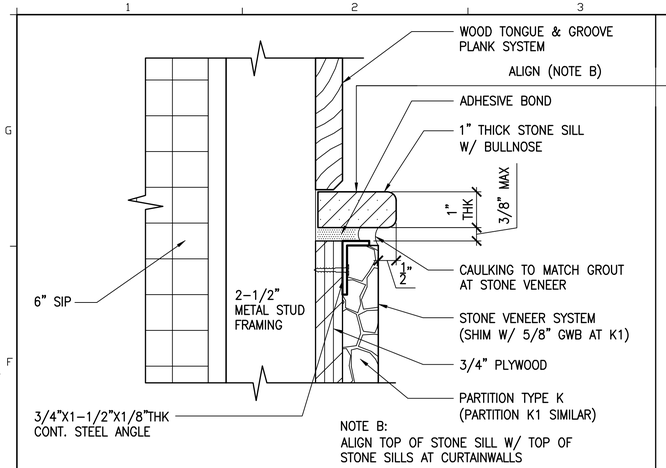
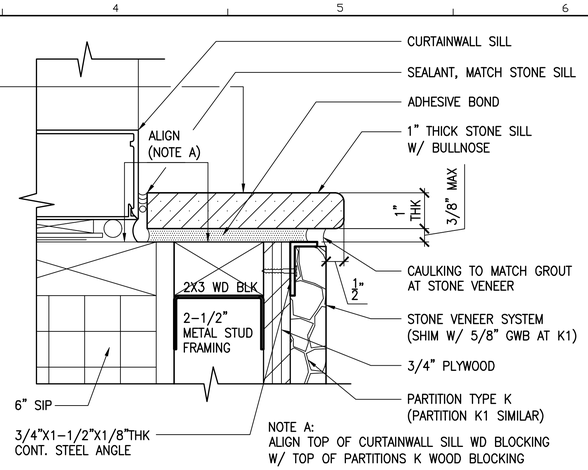
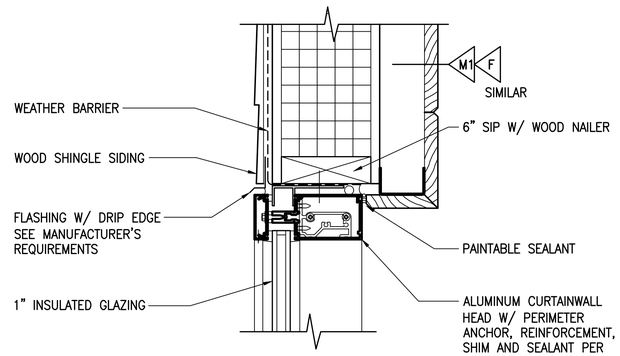


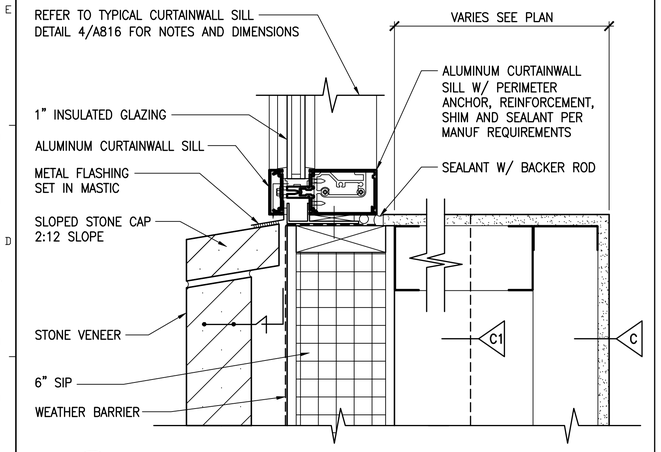
3 WALL STONE SILL DETAIL
6"=1'-0"



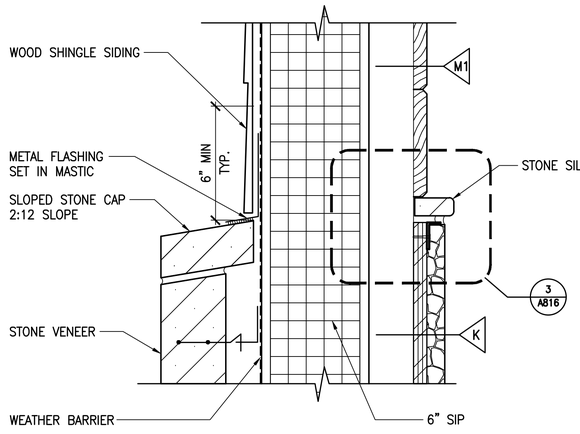
2 CURTAINWALL STONE SILL DETAIL
6"=1'-0"



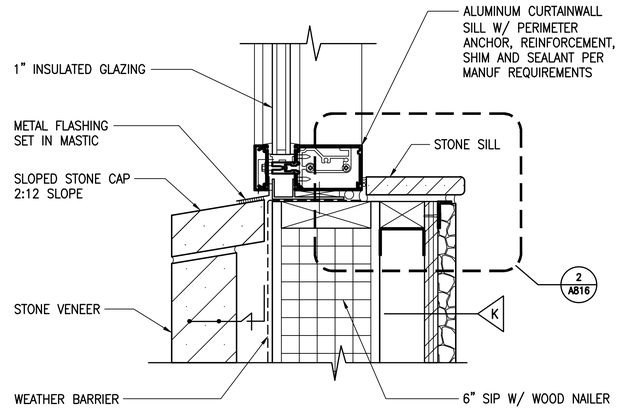
1 CURTAINWALL HEAD DETAIL
3"=1'-0"



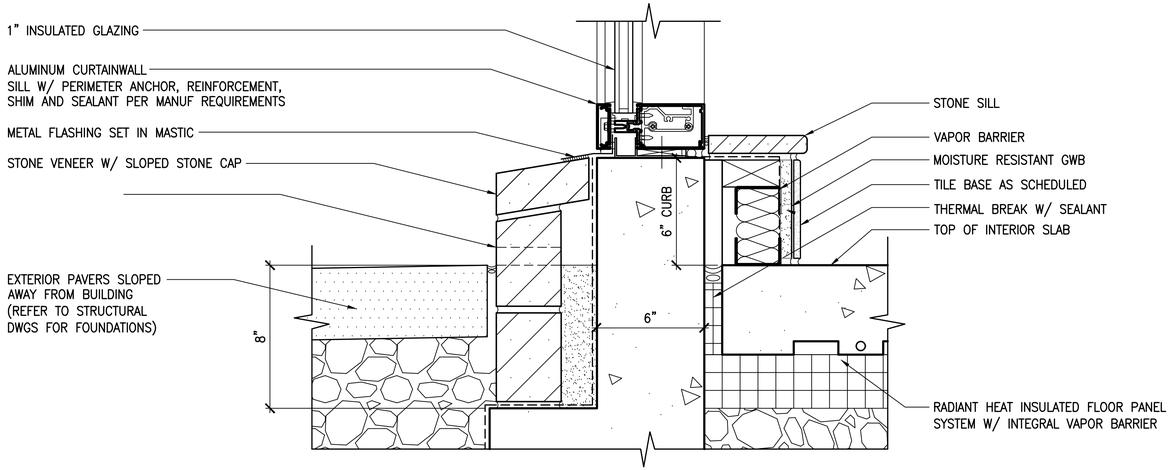
6 CURTAINWALL SILL DETAIL AT ELEVATION 4/A823
3"=1'-0"



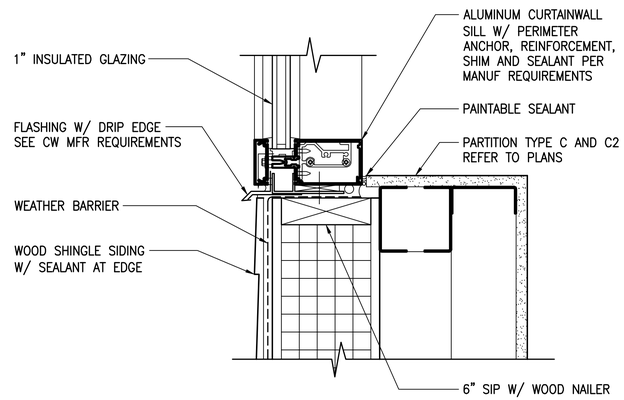
5 WALL SILL DETAIL – OPEN AREA
3"=1'-0"



4 TYPICAL CURTAINWALL SILL DETAIL
3"=1'-0"



8 TYPICAL CURTAINWALL SILL DETAIL AT GRADE
3"=1'-0"



7 CURTAINWALL SILL DETAIL AT DORMER
3"=1'-0" JAMB SIMILAR

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1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT KAYLA MICHELLE WENGLER No. 5292 STATE OF MAINE

Kayla Wengler

INFORMATION		
PROJECT		
PROGRAM	–	–
PROJECT MANAGER	–	–
DESIGNER	AECOM	–
CONSULTANT	–	–
PROJECT RESIDENT	–	–
CONTRACTOR	–	–
PROJECT COMPLETION DATE	–	–

SIGNATURE
ARCH. LIN. NUMBER ARC5292
DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

SECTION DETAILS I

SHEET NUMBER
A816

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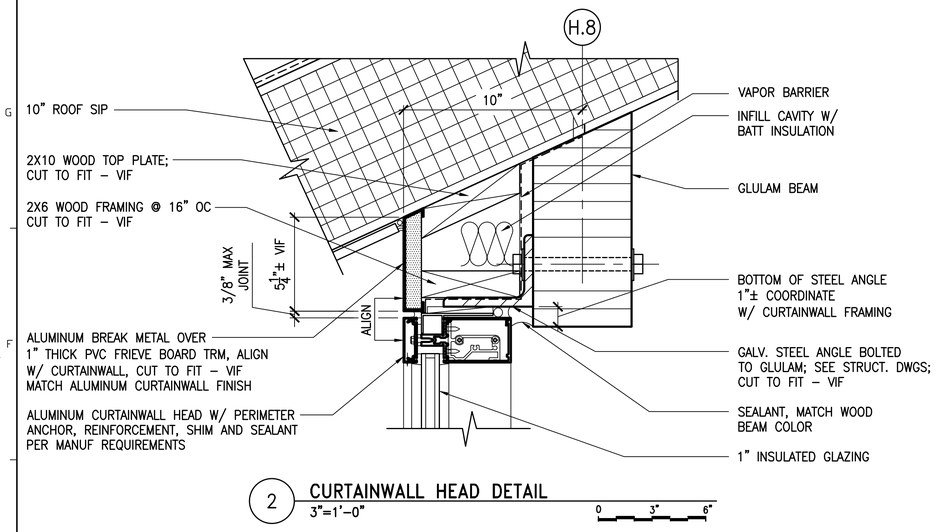
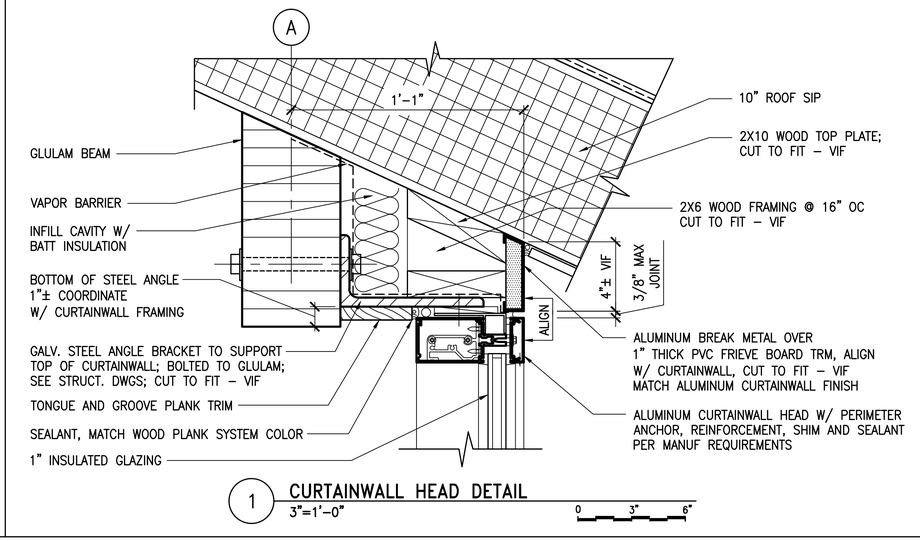
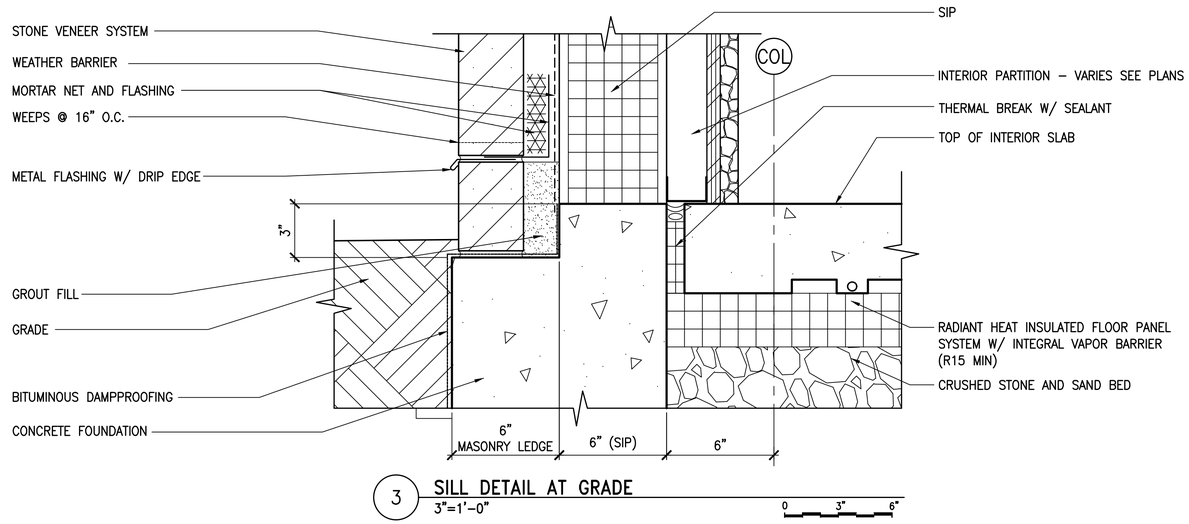


2 CURTAINWALL HEAD DETAIL
3"=1'-0"



1 CURTAINWALL HEAD DETAIL
3"=1'-0"



3 SILL DETAIL AT GRADE
3"=1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE		
FED PIN NO: NA		
WIN NO: 017163.02 & 017163.03		

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIN. NUMBER	ARC5292
DATE	JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

SECTION DETAILS II

SHEET NUMBER
A817

AECOM
1 FEDERAL STREET, 8TH FLOOR
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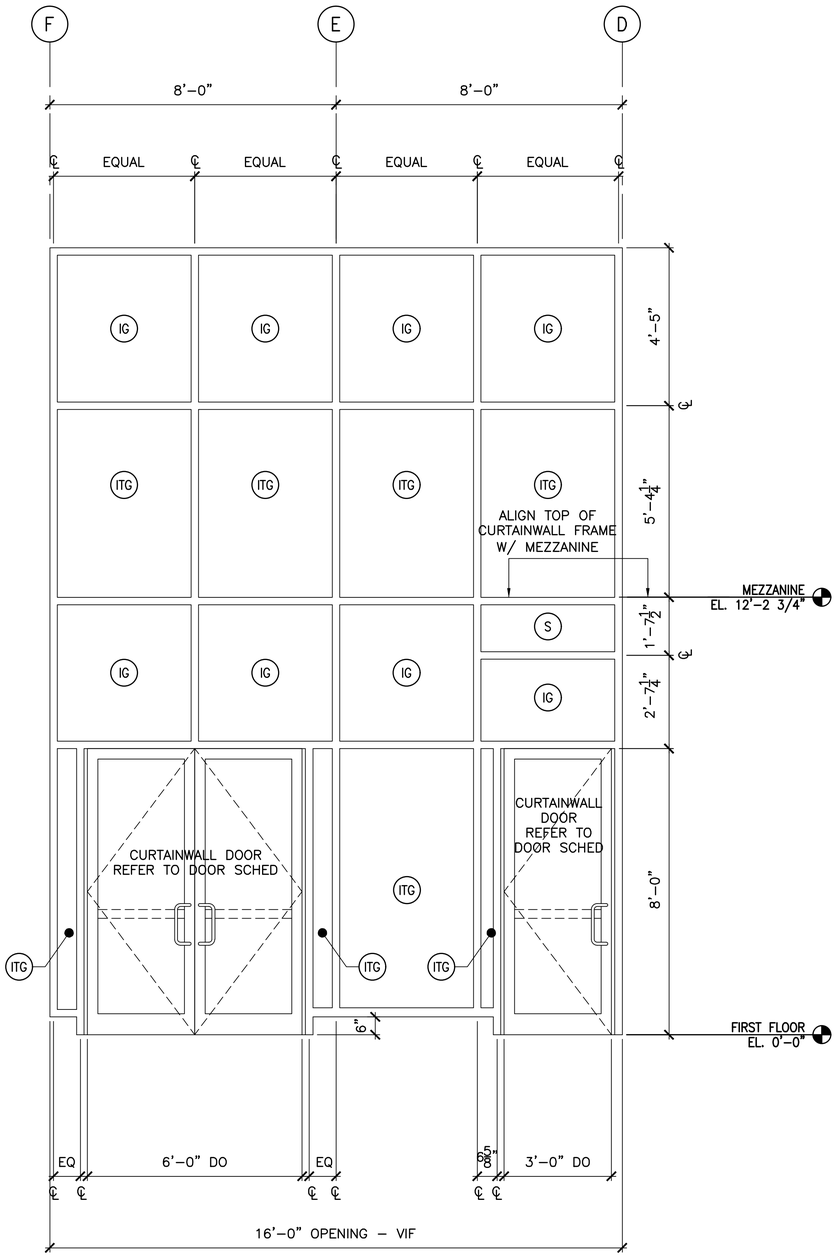
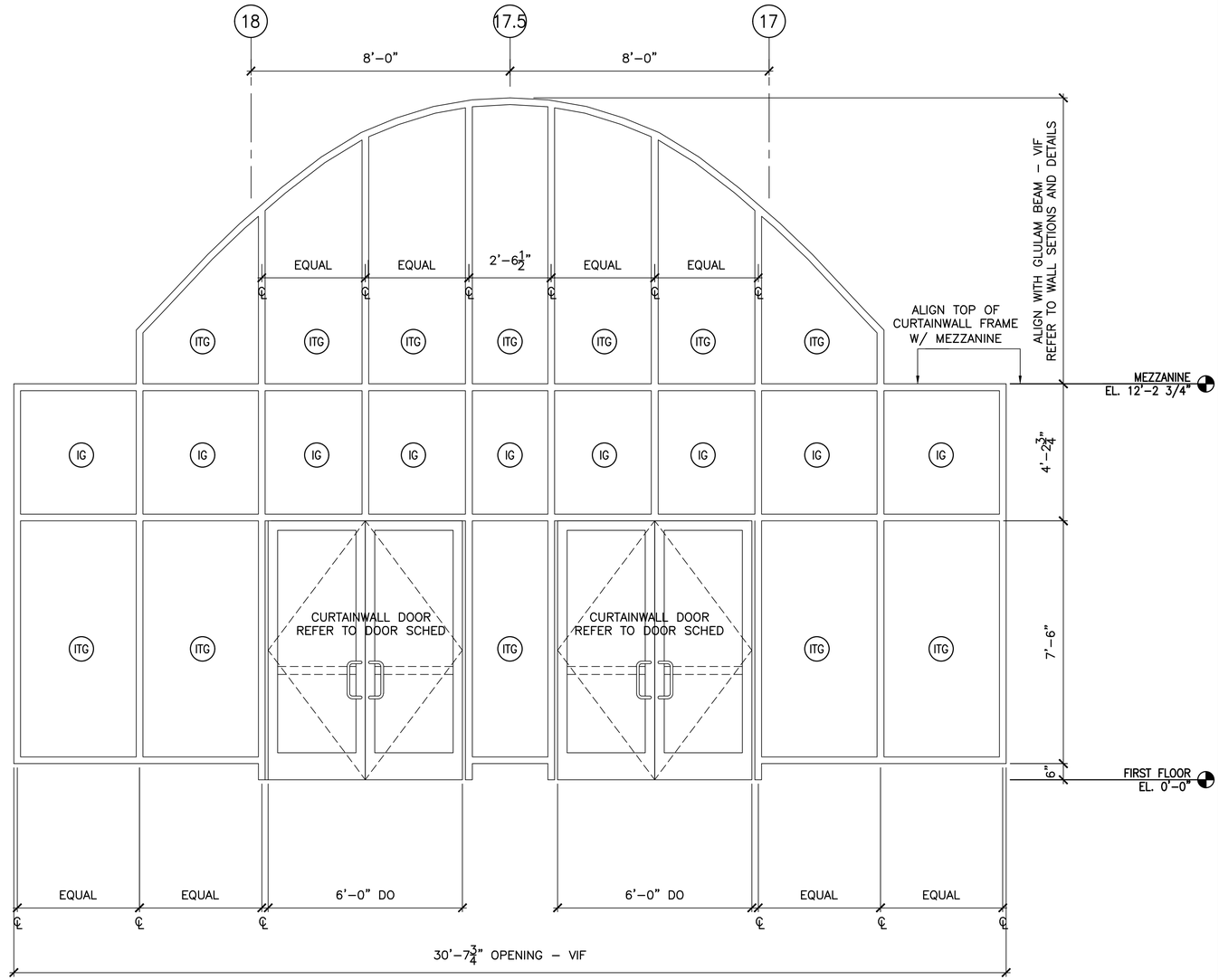


2 CURTAINWALL ELEVATION (1/A302)
1/2"=1'–0"



1 CURTAINWALL ELEVATION (1/A301)
1/2"=1'–0"

GLAZING LEGEND	
IG	1" INSULATED GLASS
ITG	1" INSULATED TEMPERED GLASS
S	1" INSULATED SPANDREL GLASS
MTL	CURTAINWALL METAL PANEL

CURTAINWALL NOTES:

1. REFER TO SPECIFICATIONS FOR GLAZING THICKNESS.
2. REFER TO SPECIFICATIONS FOR GLAZING REQUIREMENTS PER CONDITION.
3. REFER TO CURTAINWALL MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT KAYLA MICHELLE WENGER No. 5292 STATE OF MAINE

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

SIGNATURE

ARCH. LIC. NUMBER ARC5292

DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

CURTAINWALL ELEVATIONS I

SHEET NUMBER
A820

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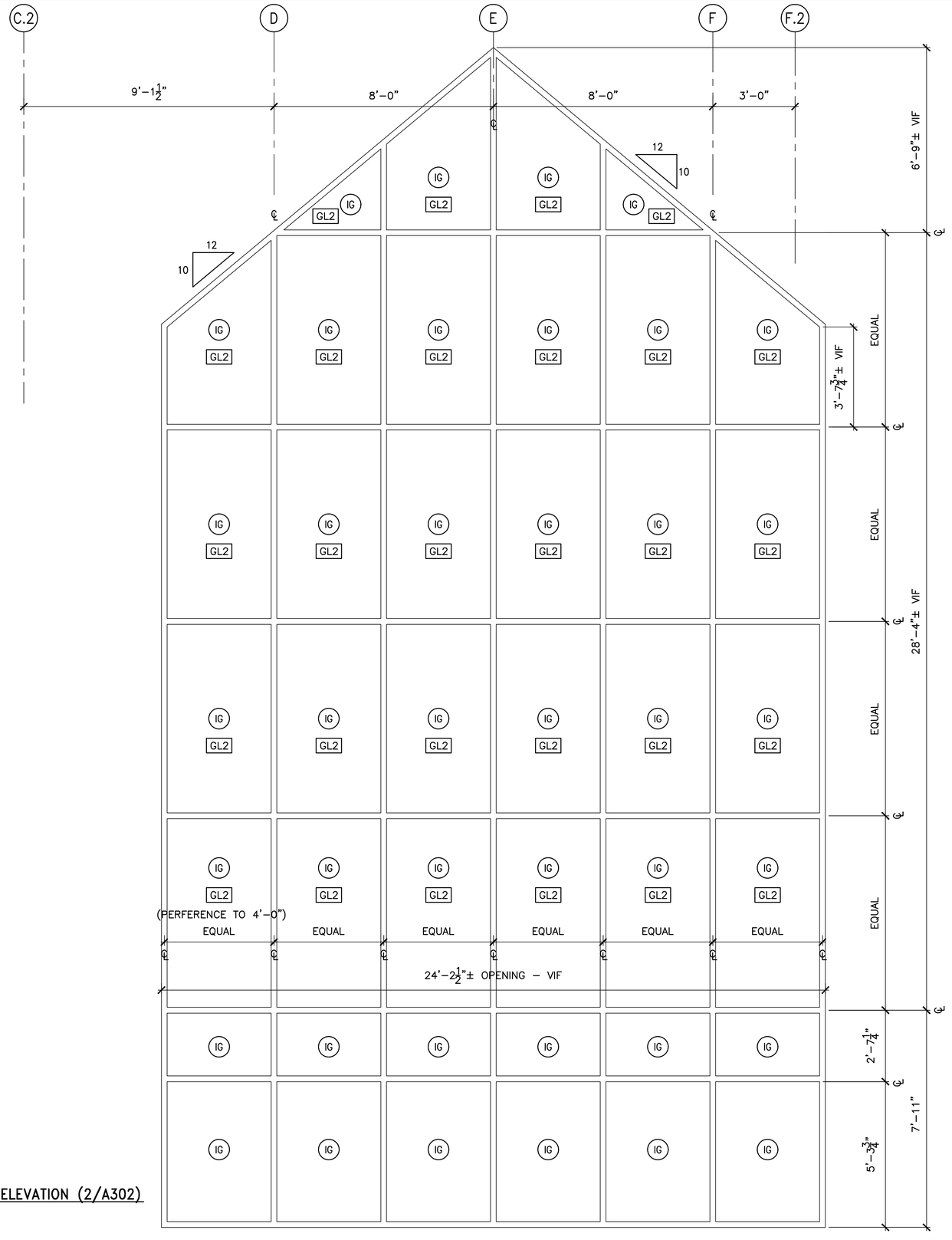
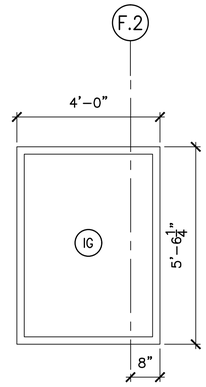


1 CURTAINWALL ELEVATION (2/A302)
1/2"=1'-0"



2 CURTAINWALL ELEVATION (1/A302)
1/2"=1'-0"

GLAZING LEGEND	
IG	1" INSULATED GLASS
ITG	1" INSULATED TEMPERED GLASS

CURTAINWALL NOTES:

1. REFER TO SPECIFICATIONS FOR GLAZING THICKNESS.
2. REFER TO SPECIFICATIONS FOR GLAZING REQUIREMENTS PER CONDITION.
3. REFER TO CURTAINWALL MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.
4. ALL INSULATED GLASS TYPE GL1 U.O.N.

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1 FEDERAL STREET, 8TH FLOOR
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617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

LICENSED ARCHITECT KAYLA MICHELLE WENGLER No. 5292 STATE OF MAINE

Kayla Wengler
SIGNATURE

ARCH. LIN. NUMBER ARC5292

DATE JANUARY 17, 2022

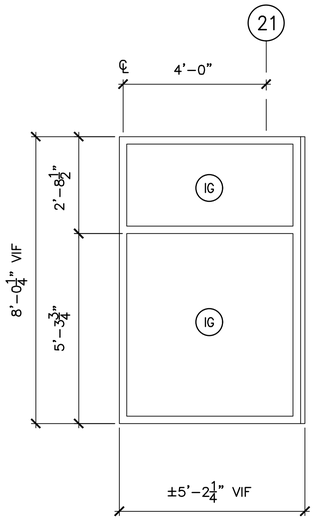
PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

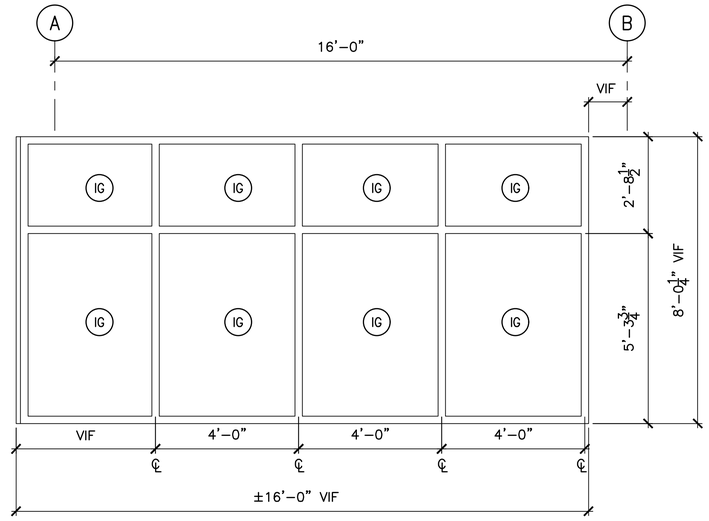
CURTAINWALL ELEVATIONS II

SHEET NUMBER
A821

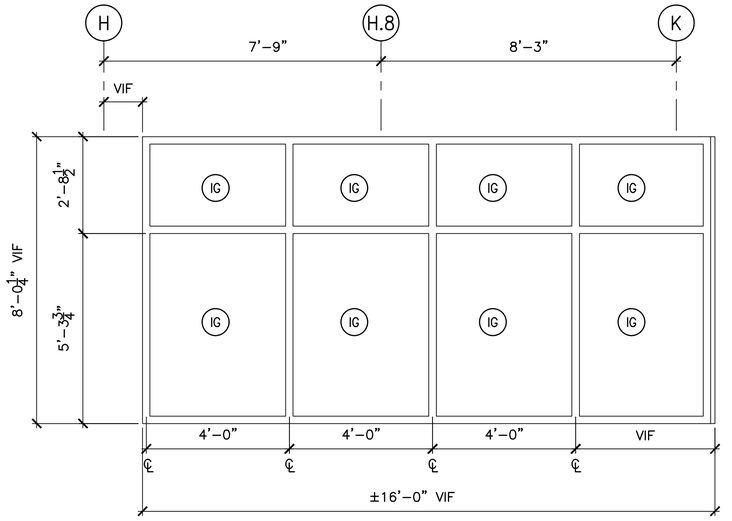
\\na.aecomnet.com\lfs\AMER\Boston-USBDS01\DCS\Projects\TRN\60653001_MaineDOT_Acadia_Gateway\900_CAD_GIS\910_CAD\Sheet\A821.dwg Jan 17, 2022 - 3:41pm



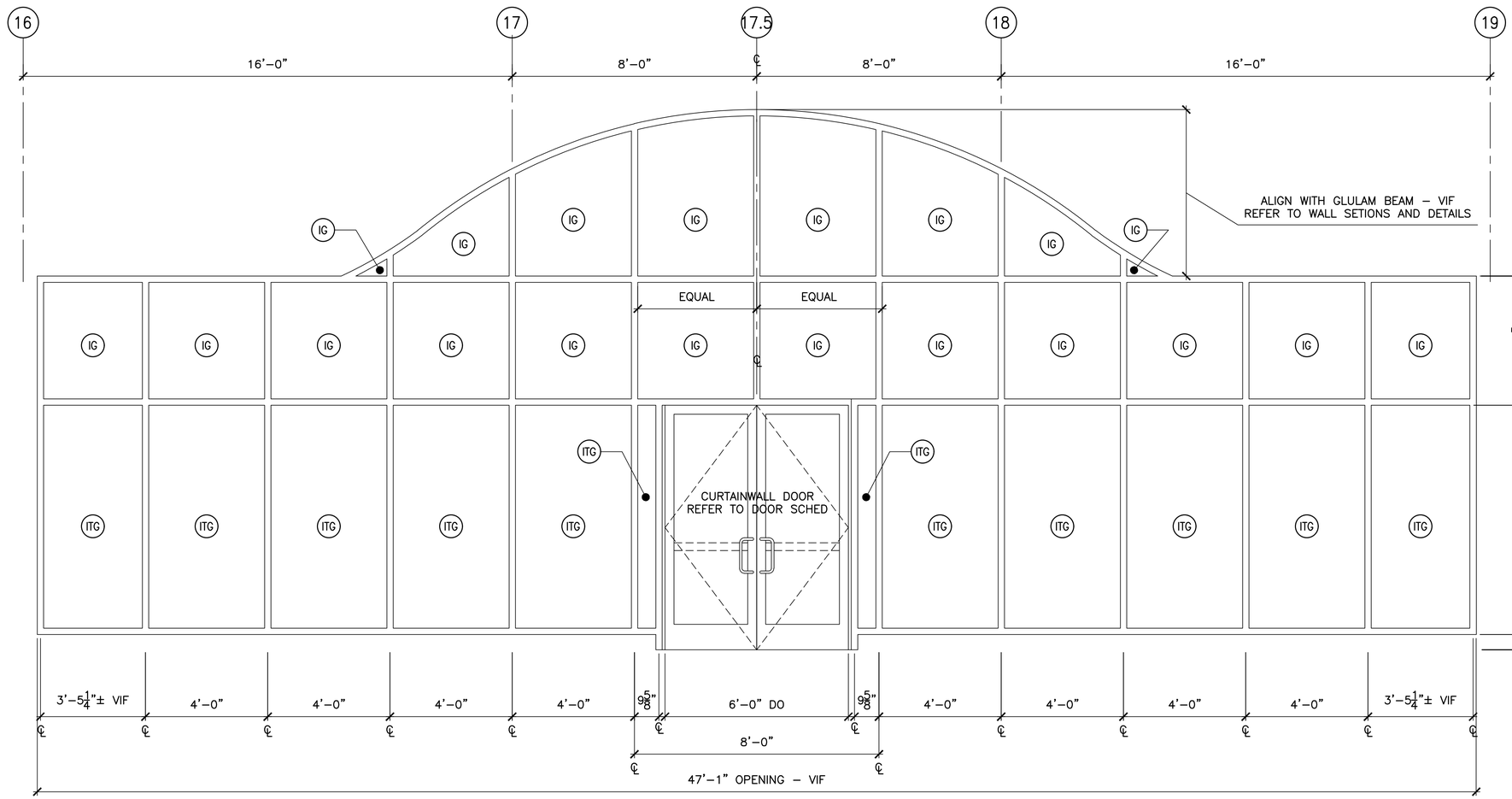
3 CURTAINWALL ELEVATION (2/A301)
1/2"=1'–0"



2 CURTAINWALL ELEVATION (2/A302)
1/2"=1'–0"



1 CURTAINWALL ELEVATION (2/A302)
1/2"=1'–0"



4 CURTAINWALL ELEVATION (2/A301)
1/2"=1'–0"

GLAZING LEGEND	
IG	1" INSULATED GLASS
ITG	1" INSULATED TEMPERED GLASS
S	1" INSULATED SPANDREL GLASS
MTL	CURTAINWALL METAL PANEL

CURTAINWALL NOTES:

1. REFER TO SPECIFICATIONS FOR GLAZING THICKNESS.
2. REFER TO SPECIFICATIONS FOR GLAZING REQUIREMENTS PER CONDITION.
3. REFER TO CURTAINWALL MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

SIGNATURE

ARCH. LIN. NUMBER ARC5292

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

CURTAINWALL ELEVATIONS III

SHEET NUMBER
A822

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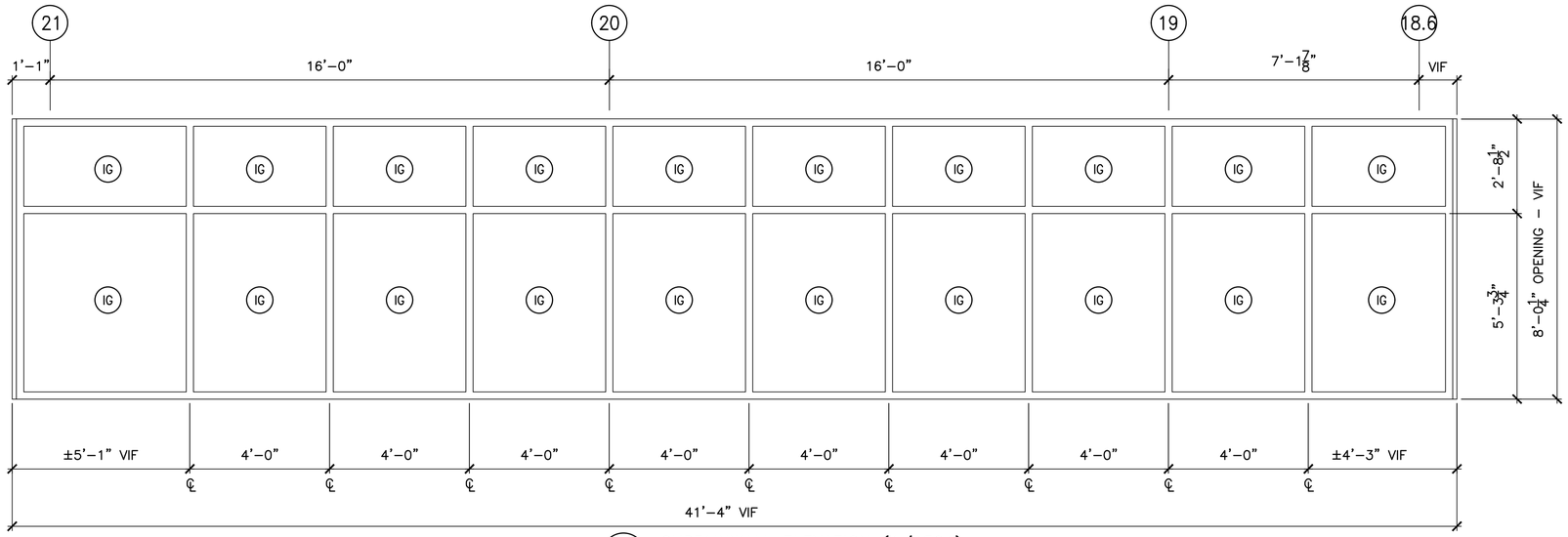
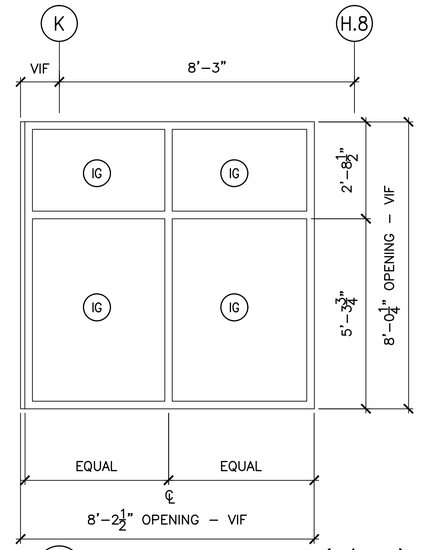


1 CURTAINWALL ELEVATION (1/A301)
1/2"=1'-0"

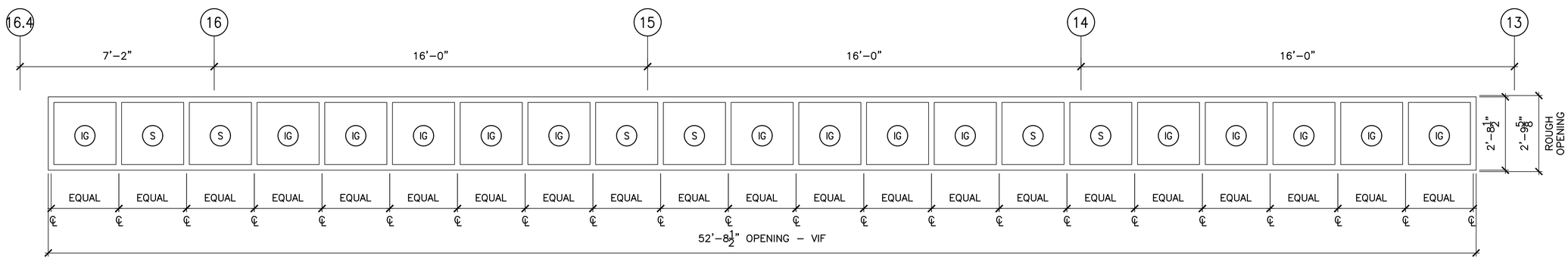


2 CURTAINWALL ELEVATION (1/A301)
1/2"=1'-0"

GLAZING LEGEND	
IG	1" INSULATED GLASS
ITG	1" INSULATED TEMPERED GLASS
S	1" INSULATED SPANDREL GLASS
MTL	CURTAINWALL METAL PANEL

CURTAINWALL NOTES:

1. REFER TO SPECIFICATIONS FOR GLAZING THICKNESS.
2. REFER TO SPECIFICATIONS FOR GLAZING REQUIREMENTS PER CONDITION.
3. REFER TO CURTAINWALL MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.



4 CURTAINWALL ELEVATION (1/A301)
1/2"=1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO:	NA
WIN NO:	017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIC. NUMBER	ARC5292
DATE	JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

CURTAINWALL ELEVATIONS IV

SHEET NUMBER
A823

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
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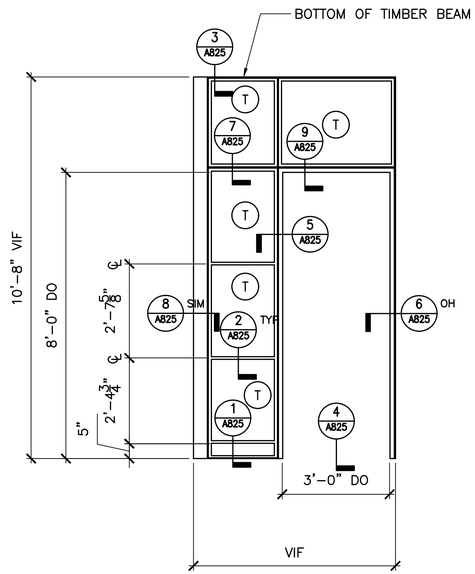
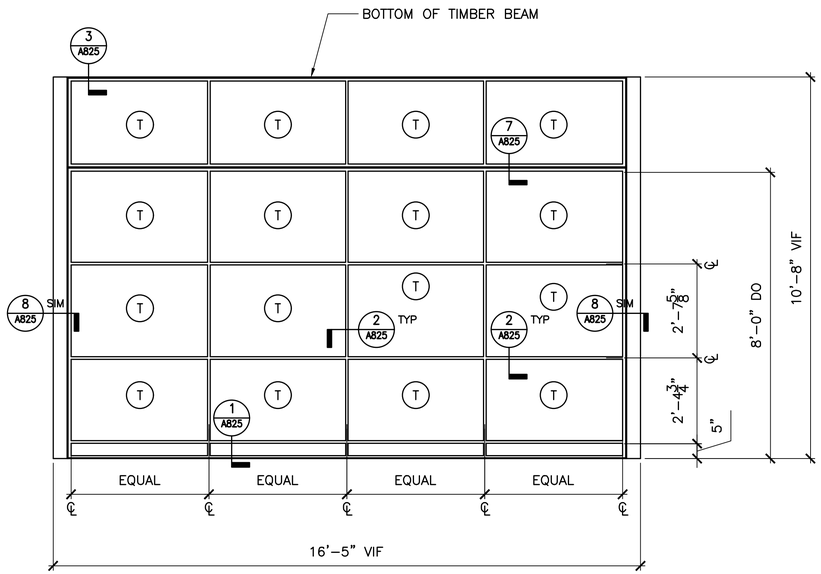
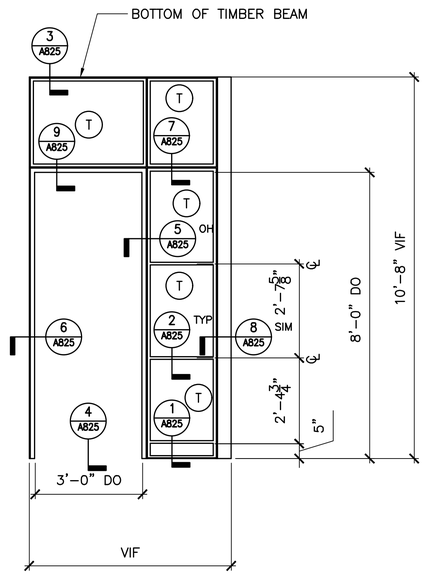


1 STOREFRONT ELEVATION (1/A312)
1/2"=1'-0"



2 STOREFRONT ELEVATION (4/A714)
1/2"=1'-0"

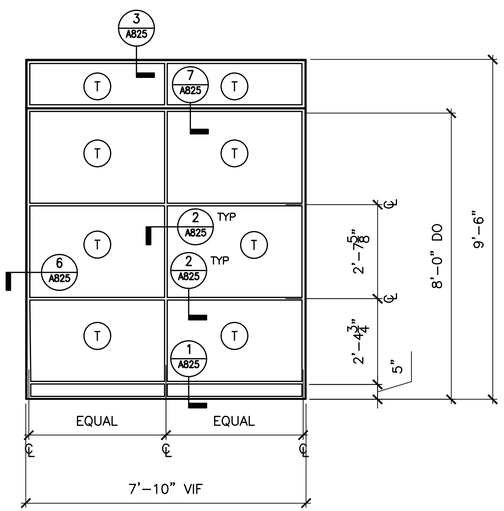


3 STOREFRONT ELEVATION (2/A311)
1/2"=1'-0"

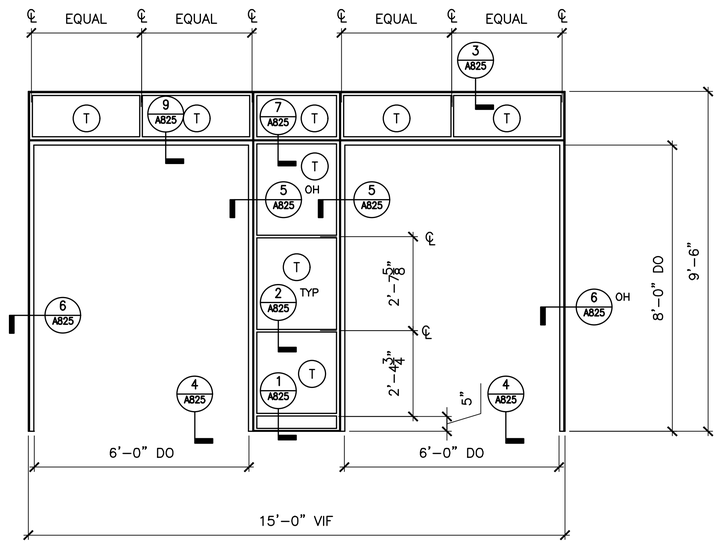
GLAZING LEGEND	
T	1/2" TEMPERED GLASS

STOREFRONT NOTES:

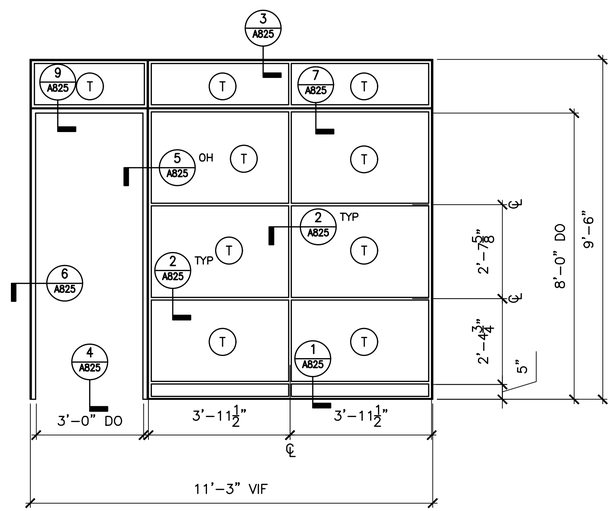
1. REFER TO SPECIFICATIONS FOR GLAZING THICKNESS.
2. REFER TO SPECIFICATIONS FOR GLAZING REQUIREMENTS PER CONDITION.
3. REFER TO CSTOREFRONT MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.



4 STOREFRONT ELEVATION (3/A714)
1/2"=1'-0"



5 STOREFRONT ELEVATION (3/A714)
1/2"=1'-0"



6 STOREFRONT ELEVATION (2/A714)
1/2"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler
SIGNATURE

ARCH. LIN. NUMBER ARC5292

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STEEL STOREFRONT ELEVATIONS

SHEET NUMBER
A824

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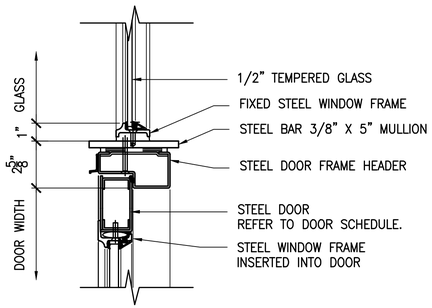
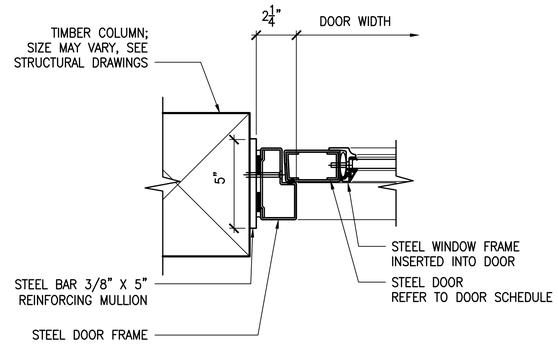
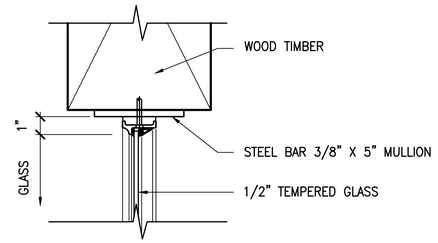


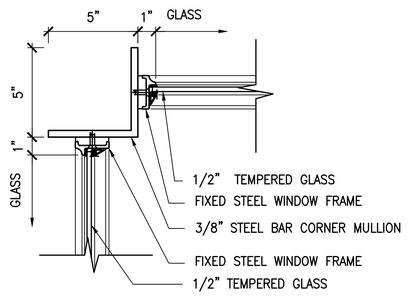
9 DOOR HEAD @ TRANSOM
3"=1'-0" 0 2" 4"



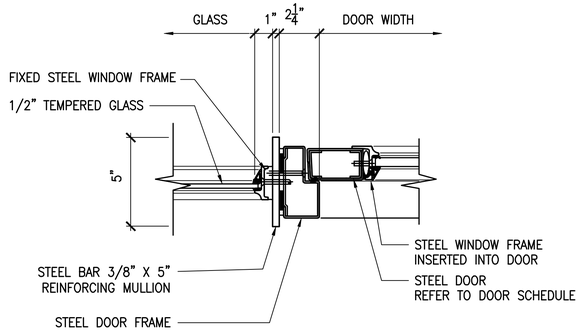
6 DOOR JAMB W/ TIMBER COLUMN DETAIL
3"=1'-0" 0 2" 4"



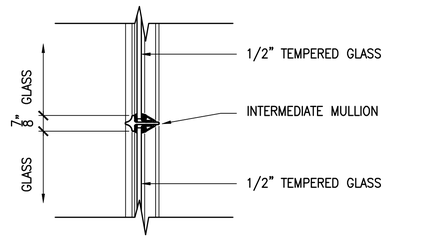
3 HEAD DETAIL
3"=1'-0" 0 2" 4"



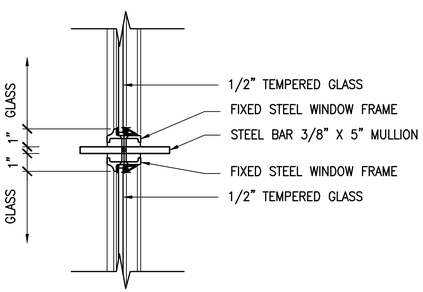
8 PLAN DETAIL @ MULLION CORNER
3"=1'-0" 0 2" 4"



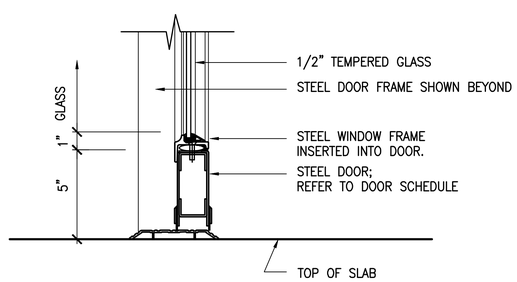
5 DOOR JAMB W/ SIDE LITE DETAIL
3"=1'-0" 0 2" 4"



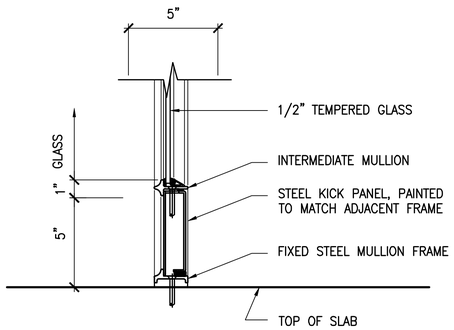
2 HORIZONTAL MULLION DETAIL; VERTICAL SIM.
3"=1'-0" 0 2" 4"



7 HORIZONTAL BAR MULLION @ TRANSOM
3"=1'-0" 0 2" 4"



4 DOOR THRESHOLD DETAIL
3"=1'-0" 0 2" 4"



1 SILL DETAIL
3"=1'-0" 0 2" 4"

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO:	NA
WIN NO:	017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

SIGNATURE
ARCH. LIC. NUMBER ARC5292
DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STEEL STOREFRONT DETAILS

SHEET NUMBER
A825

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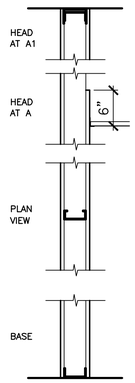
PARTITION TYPE A A1 A2



DESCRIPTION

A GWB & METAL STUD PARTITION
- 5/8" GYPSUM WALLBOARD, BOTH SIDES
- 3-5/8" 20 GA METAL STUDS 16" OC
- NOTE 2

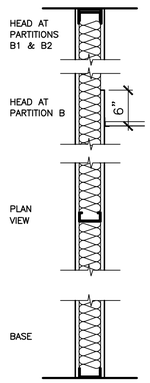
A1 1 HR GWB & METAL STUD PARTITION
- 5/8" TYPE 'X' GYPSUM WALL BOARD, BOTH SIDES
- 3 5/8" 20 GA METAL STUDS 16" OC
- EXTEND GWB TO DECK
- CHANNEL RECEPTOR AT HEAD
- 1 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS
- FIRE SAFING AT DEFLECTION TRACK

A2 SMOKE GWB & METAL STUD PARTITION
- 5/8" GYPSUM WALLBOARD, BOTH SIDES
- 3 5/8" 20 GA METAL STUDS 16" OC
- EXTEND GWB TO DECK
- CHANNEL RECEPTOR AT HEAD
- SMOKE SEALANT AT PERIMETER AND ALL ALL PENETRATIONS
- DEFLECTION TRACK

REMARKS

UL NUMBER: U419

PARTITION TYPE B B1 B2 B3



DESCRIPTION

B INSULATED GWB & METAL STUD PARTITION
- 5/8" GYPSUM WALLBOARD, BOTH SIDES
- 3-5/8" 20 GA METAL STUDS 16" OC
- SOUND ATTENUATION BATTS
- NOTE 2

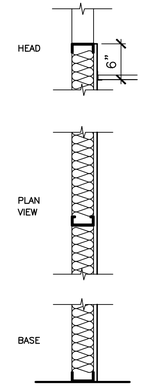
B1 INSULATED 1 HR GWB & METAL STUD PARTITION
- 5/8" TYPE 'X' GYPSUM WALL BOARD, BOTH SIDES
- 3 5/8" 20 GA METAL STUDS 16" OC
- EXTEND GWB TO DECK
- CHANNEL RECEPTOR AT HEAD
- SOUND ATTENUATION BATTS
- 1 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS
- FIRE SAFING AT DEFLECTION TRACK

B2 INSULATED SMOKE GWB & METAL STUD PARTITION
- 5/8" GYPSUM WALLBOARD, BOTH SIDES
- 3 5/8" 20 GA METAL STUDS 16" OC
- EXTEND GWB TO DECK
- CHANNEL RECEPTOR AT HEAD
- SOUND ATTENUATION BATTS
- SMOKE SEALANT AT PERIMETER AND ALL ALL PENETRATIONS
- DEFLECTION TRACK

B3 INSULATED SMOKE GWB & METAL STUD PARTITION
- 5/8" GYPSUM WALLBOARD, BOTH SIDES
- 3 5/8" 20 GA METAL STUDS 16" OC
- EXTEND GWB TO DECK
- CHANNEL RECEPTOR AT HEAD
- SOUND ATTENUATION BATTS
- SMOKE SEALANT AT PERIMETER AND ALL ALL PENETRATIONS
- DEFLECTION TRACK
- ACOUSTIC PLASTER

UL NUMBER: U419

PARTITION TYPE C C1 C2



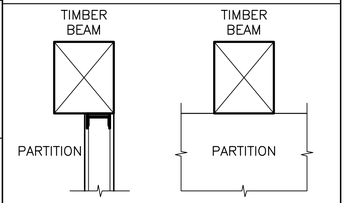
DESCRIPTION

C PLUMBING CHASE
- 5/8" MOISTURE RESISTANT GWB
- 3-5/8" 20 GA METAL STUDS 16" OC
- NOTE 2
- HORIZONTAL BRACING 8'-0" OC VERTICAL

C1 INSULATED PLUMBING CHASE
- 5/8" MOISTURE RESISTANT GWB
- 3-5/8" 20 GA METAL STUDS 16" OC
- NOTE 2
- HORIZONTAL BRACING 8'-0" OC VERTICAL
- SOUND ATTENUATION BATTS

C2 CHASE
- 5/8" GYPSUM WALLBOARD
- 3-5/8" 20 GA METAL STUDS 16" OC
- NOTE 2
- HORIZONTAL BRACING 8'-0" OC VERTICAL

PARTITION NOTES

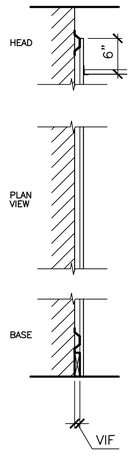


GENERAL PARTITION TYPES DIAGRAM

PARTITION HEADS END AT UNDERSIDE OF TIMBER BEAMS; INSTALL DEFLECTION TRACKS

1. PROVIDE BLOCKING AS REQUIRED, COORDINATE WITH ARCHITECTURAL, PLUMBING AND ELECTRICAL DRAWINGS.
2. FOR NON-RATED WALLS, EXTEND GWB 6" ABOVE ACT CEILING OR TO BOTTOM OF GWB SOFFIT. WHEN THERE IS NEITHER CEILING OR SOFFIT, THEN EXTEND GWB TO BOTTOM OF DECK, ROOF OR BEAM WITH DEFLECTION TRACK.
3. SEE FINISH FLOOR PLANS AND FINISH FLOOR SCHEDULE FOR WALL BASES.
4. ALL WOOD NAILERS, SHIMS, FURRING AND BLOCKING SHALL BE FIRE RESISTANT.

PARTITION TYPE D D1

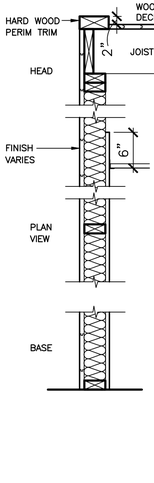


DESCRIPTION

D MOISTURE RESISTANT GWB & METAL STUD PARTITION
- 5/8" MOISTURE RESISTANT GWB
  ON TOILET, SHOWER, JANITOR CLOSET FACING SIDES
  5/8" GWB ON ALL OTHER SIDES
- 3-5/8" 20 GA METAL STUDS 16" OC
- NOTE 2
- HORIZONTAL BRACING 8'-0" OC VERTICAL

D1 INSULATED MOISTURE RESISTANT GWB & METAL STUD PARTITION
- 5/8" MOISTURE RESISTANT GWB
  ON TOILET, SHOWER, JANITOR CLOSET FACING SIDES
  5/8" GWB ON ALL OTHER SIDES
- 3-5/8" 20 GA METAL STUDS 16" OC
- NOTE 2
- HORIZONTAL BRACING 8'-0" OC VERTICAL
- SOUND ATTENUATION BATTS

PARTITION TYPE E E1



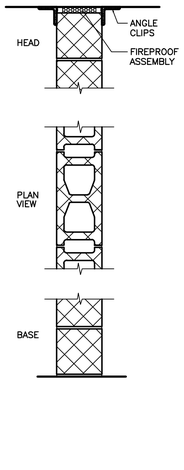
DESCRIPTION

E INSULATED 1 HR GWB & METAL STUD PARTITION
- 5/8" TYPE 'X' GYPSUM WALL BOARD, BOTH SIDES
- 6" 16 GA METAL STUDS 12" OC
- SOUND ATTENUATION BATTS
- SMOKE SAFING AT DEFLECTION TRACK
- 1 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS

REMARKS

EXTRA TALL PARTITION
UL NUMBER: U419

PARTITION TYPE F F1



DESCRIPTION

F FURRED INTERIOR WALL
- BACK-UP WALL
- 2-1/2" METAL FURRING 16" OC
- 5/8" GYPSUM WALLBOARD
- INSULATION TO BE ADDED, WHERE REQUIRED, SEE PLAN DETAILS FOR MORE INFORMATION

F1 MOISTURE RESISTANT GWB FURRED INTERIOR WALL
- BACK-UP WALL
- 2-1/2" METAL FURRING 16" OC
- 5/8" MOISTURE RESISTANT GWB
- INSULATION TO BE ADDED, WHERE REQUIRED, SEE PLAN DETAILS FOR MORE INFORMATION

REMARKS
- SEE NOTE 2 FOR ALL TYPE F PARTITION TYPES
- ADD BATT INSULATION WHEN BACK-UP WALLIS AN EXTERIOR WALL

PARTITION TYPE G G1 G2

DESCRIPTION

G FURRED INTERIOR WALL
- BACK-UP WALL
- 7/8" METAL FURRING 16" OC
- 5/8" GYPSUM WALLBOARD
- 4" HIGH FR WOOD FURRING AT BASE

G1 FURRED INTERIOR WALL
- BACK-UP WALL
- FIRE RESISTANT WOOD NAILER/SHIM CUT TO FIT - VIF
- 5/8" TYPE 'X' GYPSUM WALLBOARD
- 4" HIGH FR WOOD FURRING AT BASE

G2 GWB INTERIOR SHEATHING
- BACK-UP WALL
- 5/8" TYPE 'X' GYPSUM WALLBOARD

PARTITION TYPE H H1

DESCRIPTION

H WOOD STUD PARTITION
- 5/8" GYPSUM WALLBOARD, BOTH SIDES - NOTE 2
- 2X6 WOOD STUDS 16" OC (REFER TO STRUCTURAL)
- SOUND ATTENUATION BATTS
- PROVIDE DOUBLE WOOD TOP PLATE
- PARTITION TO SUPPORT WOOD JOISTS AND WOOD DECK
- 3/4" WOOD TONGUE & GROVE DECK SYSTEM REFER TO FINISH FLOOR PLAN A613
- HARD WOOD PERMITER TRIM, MATCH TIMBER WOOD COLOR, TEXTURE AND STAIN

H1 WOOD STUD PARTITION
- SAME AS PARTITION H EXCEPT THE FOLLOWING
- 2X4 WOOD FRAMING (REFER TO STRUCTURAL)
- REPLACE 5/8" GWB W/ 3/4" WOOD TONGUE & GROOVE PLANK SYSTEM ON PUBLIC SIDE OF PARTITION
- AT MILLWORK ATTACHED TO PARTITION H1: INSTALL 3/4" PLYWOOD FROM FINISH FLOOR TO TOP OF MILLWORK (SLAT-WALL) VIF - REFER TO DETAILS 3/A727 & 6/A727 COORDINATE W/ FLOOR PLANS AND INTERIOR ELEVATIONS

PARTITION TYPE J J1 J2

DESCRIPTION

J CMU PARTITION
- 8" CONCRETE MASONRY UNITS
- GALV. STL ANGLE CLIPS @ 48"O.C., BOTH SIDES

J1 1 HR CMU PARTITION
- 8" CONCRETE MASONRY UNITS
- GALV. STL ANGLE CLIPS @ 48"O.C., BOTH SIDES
- FIRE PROOF ASSEMBLY AT HEAD; MINERAL WOOL FIRESTOP INSULATION W/ RATED SEALANT, BOTH SIDES
- 1 HR SEALANT AT PERIMETER AND ALL PENETRATIONS
- FIRE SAFING AT WALL HEAD

J2 2 HR CMU PARTITION
- 8" CONCRETE MASONRY UNITS
- GALV. STL ANGLE CLIPS @ 48"O.C., BOTH SIDES
- FIRE PROOF ASSEMBLY AT HEAD; MINERAL WOOL FIRESTOP INSULATION W/ RATED SEALANT, BOTH SIDES
- 2 HR SEALANT AT PERIMETER AND ALL PENETRATIONS
- FIRE SAFING AT WALL HEAD

REMARKS

REFER TO, AND COORDINATE WITH STRUCTURAL DRAWINGS SPECIFICATIONS FOR REINFORCING AND SEISMIC INFORMATION.

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE		
FED PIN NO: NA		
WIN NO: 017163.02 & 017163.03		

LICENSED ARCHITECT KAYLA MICHELLE WENGLER No. 5292 STATE OF MAINE

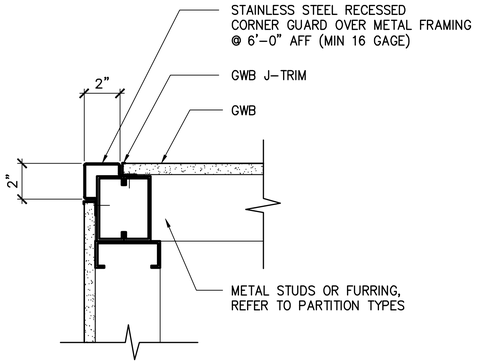
SIGNATURE	ARCH. LIN. NUMBER	DATE
	ARC5292	JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

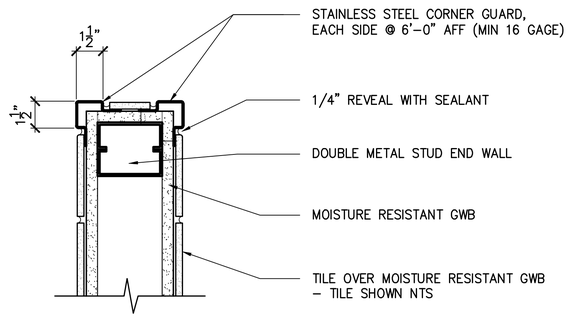
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PARTITION TYPES I

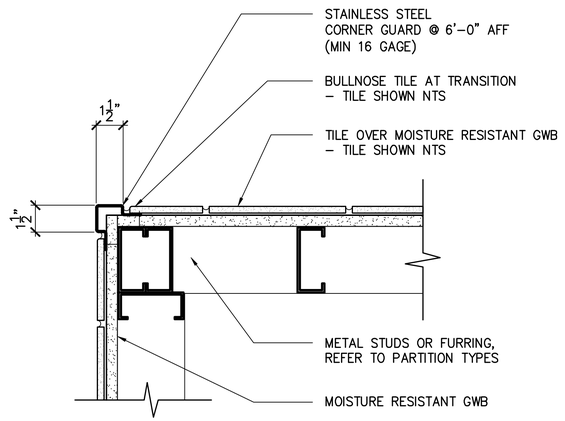
SHEET NUMBER
A830



3 PLAN DETAIL AT CORNER GUARD TYPE 1
SCALE: 3" = 1'-0"



2 PLAN DETAIL AT TILE END-WALL GUARD
SCALE: 3" = 1'-0"



1 PLAN DETAIL AT TILE CORNER GUARD
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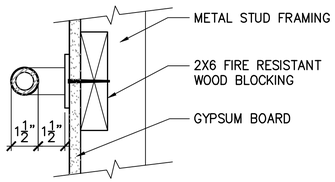
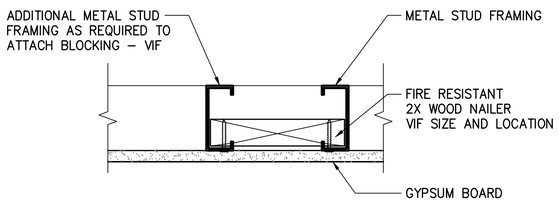


GRAB BAR NOTES:

1. SHALL BE DESIGNED AND SUPPORTED AS TO WITHSTAND A LOAD OF NOT LESS THAN 250 POUNDS APPLIED AT ANY POINT, DOWNWARD OR HORIZONTALLY.
2. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
3. ALL EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.
4. PROVIDE 2X6 BLOCKING INSIDE PARTITIONS AS REQUIRED FOR ATTACHMENT OF ALL GRAB BARS (SEE TYPICAL MOUNTING HEIGHTS SHEET A004).
5. ALL WOOD SHALL BE FIRE RESISTANT.

6 GRAB BAR MOUNTING DETAIL
3"=1'-0"



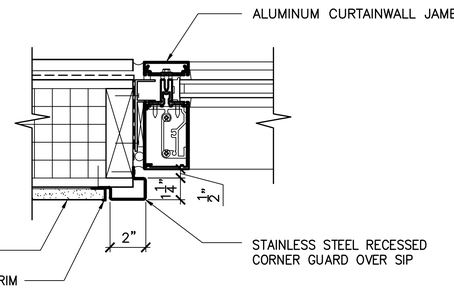
BACKING NOTES

SUPPORT FOR PLUMBING FIXTURES AND CABINETS: METAL STUD WALL SUPPORTING PLUMBING FIXTURES AND CABINETS SHALL BE CONSTRUCTED USING STEEL STUDS OF NOT LESS THAN 20 GAUGE W/ A MINIMUM EFFECTIVE MOMENT OF INERTIA EQUAL TO 0.864 in. SUCH STUDS SHALL BE RIGIDLY CONNECTED TOP AND BOTTOM TO PREVENT END ROTATION OR DISPLACEMENT. A HORIZONTAL MEMBER SHALL BE SECURELY FASTENED TO NOT LESS THAN 2 STUDS AND SHALL BE INSTALLED FOR THE ATTACHMENT OF WALL HUNG FIXTURES.

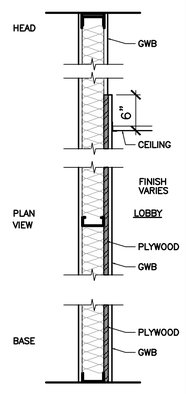
BACKING FOR TOILET PARTITIONS AND ACCESSORIES: PROVIDE 2X BLOCKING INSIDE PARTITIONS AS REQUIRED FOR ATTACHMENT OF ALL WALL HUNG ITEMS. SEE TYPICAL MOUNTING HEIGHTS SHEET A004 AND ROOM ELEVATION SHEETS.

ALL WOOD SHALL BE FIRE RESISTANT.

5 FIXTURE/CABINET BACKING DETAIL
3"=1'-0"



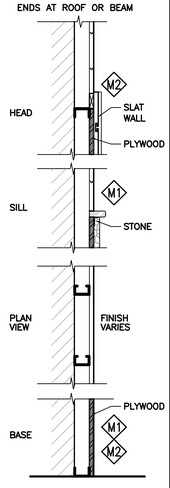
4 PLAN DETAIL AT CORNER GUARD TYPE 2
3"=1'-0"



DESCRIPTION

N METAL STUD PARTITION W/ NAILER SUPPORT
- 5/8" GYPSUM WALLBOARD, BOTH SIDES
- SOUND ATTENUATION BATTS
- 3/4" PLYWOOD SHEATHING, LOBBY/VESTIBULE SIDE
- 3-5/8" 20 GA METAL STUDS 12" OC

PARTITION TYPE N



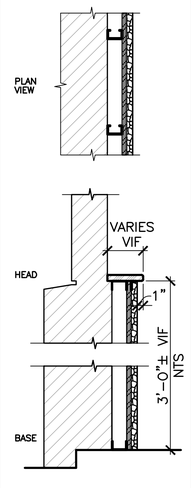
DESCRIPTION

M WOOD TONGUE & GROOVE PLANK FURRED WALL
- BACK-UP WALL
- 2-1/2" METAL FURRING 16" OC
- WOOD TONGUE & GROOVE PLANK SYSTEM

M1 WOOD TONGUE & GROOVE PLANK AT EXTERIOR WALL
- BACK-UP WALL
- 2-1/2" METAL FURRING 16" OC
- AT PARTITION TYPES K & K1, 3/4" PLYWOOD FROM FINISH FLOOR TO 3'-0" AFF, COORDINATE W/ FLR PLANS
- WOOD TONGUE & GROOVE PLANK SYSTEM START ABOVE STONE SILL, COORDINATE W/ PART TYPES K

M2 WOOD SLAT FURRED WALL AT MILLWORK LOCATIONS
- BACK-UP WALL
- 2-1/2" METAL FURRING 16" OC
- 3/4" PLYWOOD FROM FINISH FLOOR TO TOP OF MILLWORK (SLAT-WALL) VIF – REFER TO DETAILS 3/A727 & 6/A727
- WOOD TONGUE & GROOVE PLANK SYSTEM START ABOVE 3/4" PLYWOOD

PARTITION TYPE M M1 M2



DESCRIPTION

K STONE VENEER W/ STONESILL
- EXTERIOR BACK-UP WALL
- 2-1/2" METAL FURRING 16" OC
- 3/4" PLYWOOD
- 1"± STONE VENEER, REFER TO SPEC. REQUIRED METAL TRIM, SILLS AND REVEALS SHALL BE COORDINATED IN SHOP DRAWINGS PER MFR REQ.
- STONE SILL WITH BULLNOSE, EXTEND 1" BEYOND STONE VENEER, DEPTH VARIES – VIF PROVIDE 3/4"X1-1/2"X1/8"THK CONT. SUPPORT ANGLE REFER TO SPEC. AND WALL SECTIONS

REMARKS

SEE FINISH FLOOR PLANS AND FINISH FLOOR SCHEDULE FOR WALL BASES.

PARTITION TYPE K

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO:	NA
WIN NO:	017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIN. NUMBER	ARC5292
DATE	JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PARTITION TYPES II
AND DETAILS

SHEET NUMBER
A831

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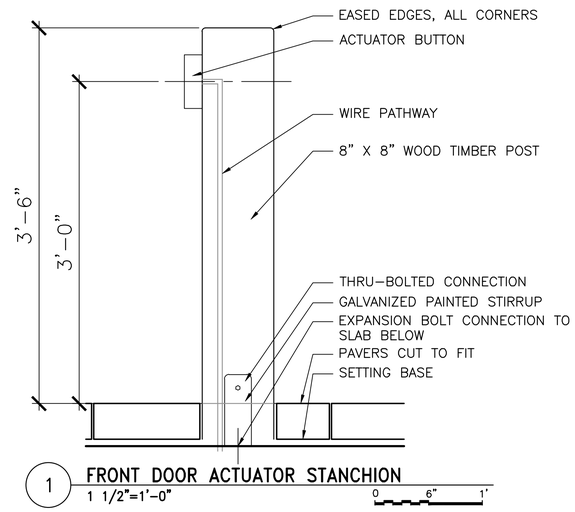

1 FRONT DOOR ACTUATOR STANCHION
1 1/2"=1'-0"

0 6" 1'

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIC. NUMBER	ARC5292
DATE	JANUARY 17, 2022

PROJECT	INFORMATION
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MISCELLANEOUS DETAILS

SHEET NUMBER
A832

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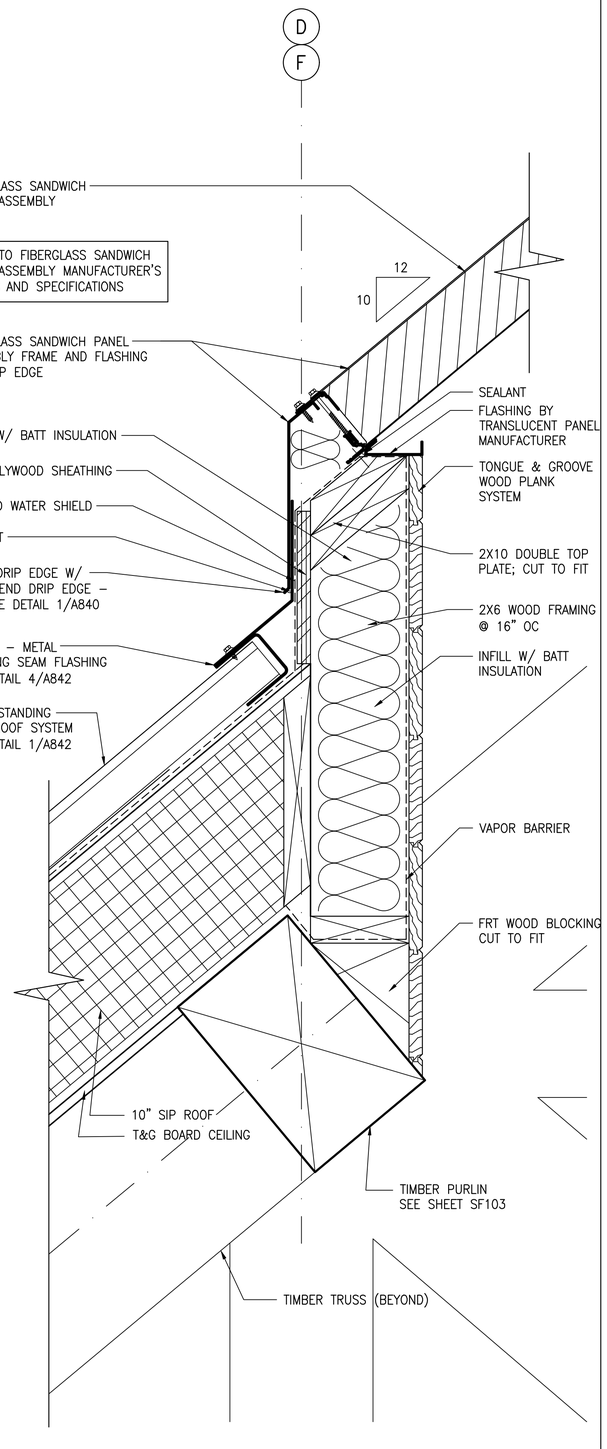
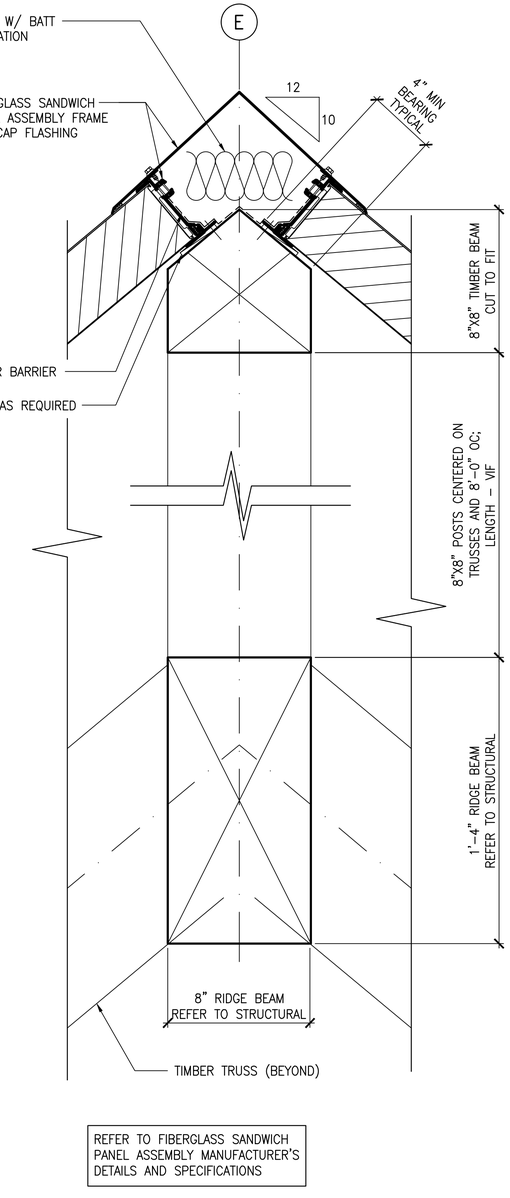
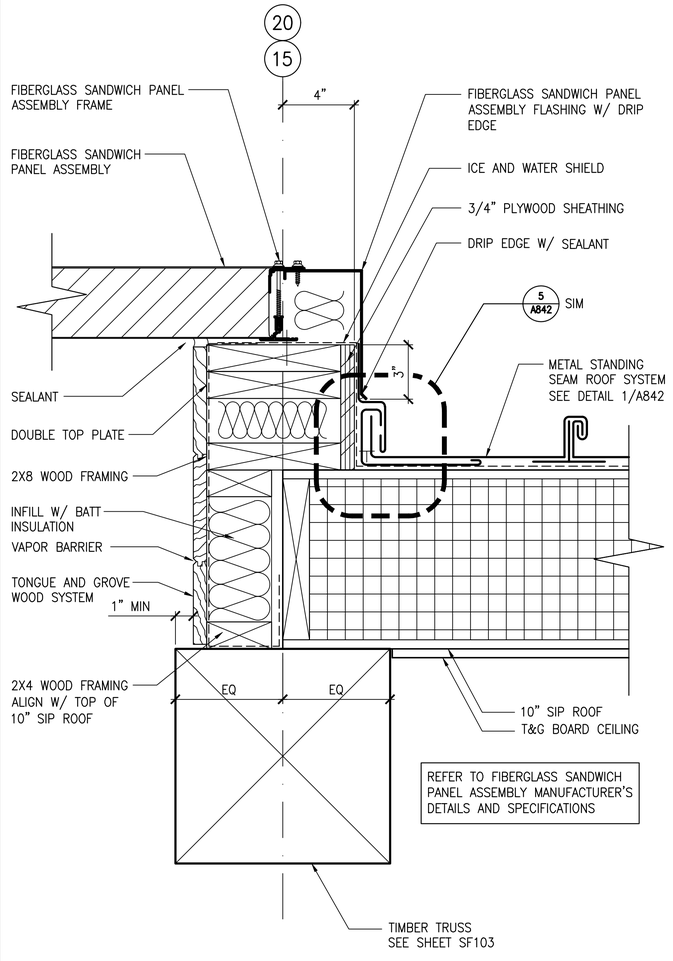


3 SKYLIGHT CURB DETAIL
3"=1'–0"



2 SKYLIGHT ROOF RIDGE DETAIL
3"=1'–0"



1 SKYLIGHT GABLE END CURB DETAIL
3"=1'–0"

GENERAL NOTES

1. REFER TO NOTES ON SHEET A002.
2. INSTALL ROOF SYSTEM PER MANUFACTURER'S REQUIREMENTS.
3. VERIFY ALL DIMENSIONS IN FIELD.
4. REFER TO ROOF PLAN SHEET A205.

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGER
No. 5292
STATE OF MAINE

Kayla Wenger
SIGNATURE

ARCH. LIN. NUMBER ARC5292
DATE JANUARY 17, 2022

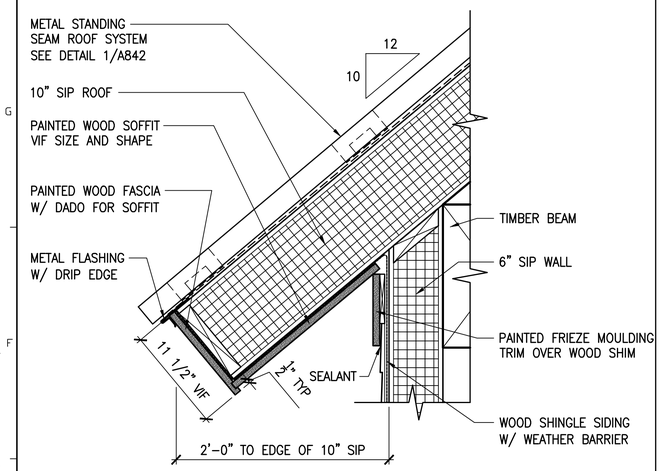
PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

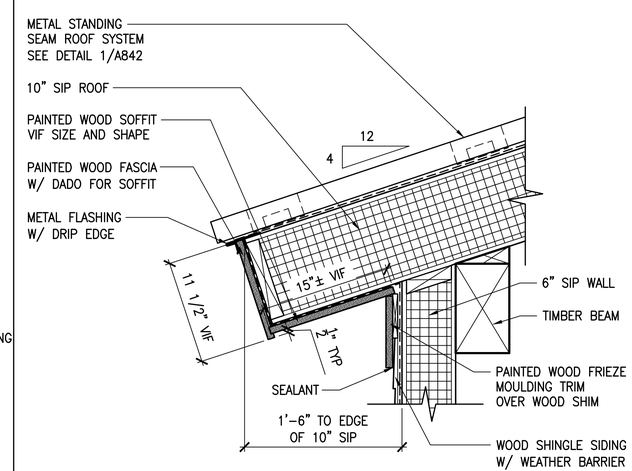
SKYLIGHT DETAILS

SHEET NUMBER
A840

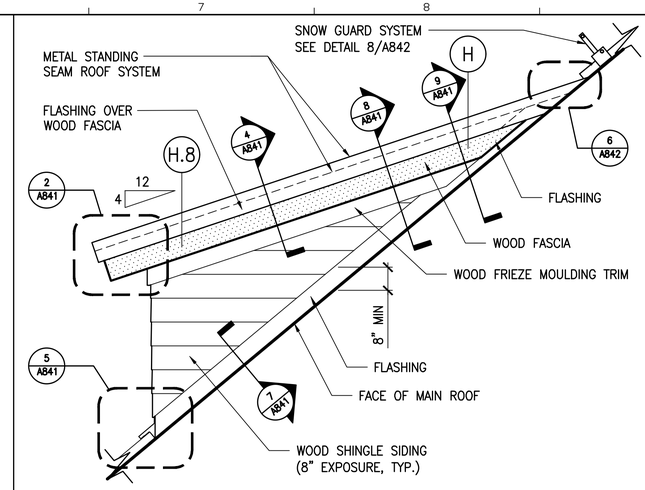
\\na.aecomnet.com\lfs\AMER\Boston-USBDS01\DCS\Projects\TRN\60653001_MaineDOT_Acadia_Gateway\900_CAD_GIS\910_CAD\Sheet\A840.dwg Jan 19, 2022 - 10:32am



3 TYPICAL EAVE
1 1/2"=1'-0"



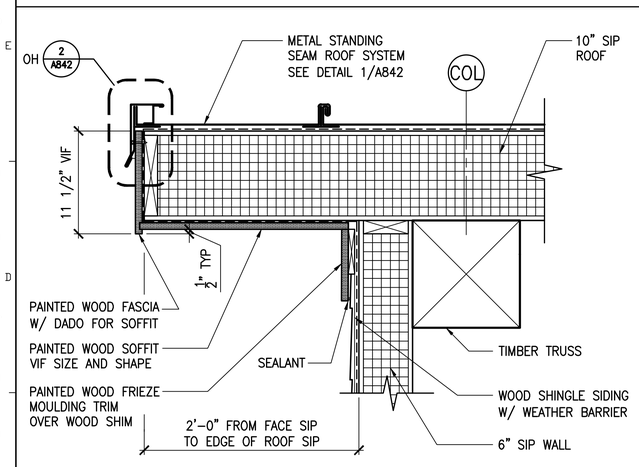
2 EAVE AT DORMER
1 1/2"=1'-0"



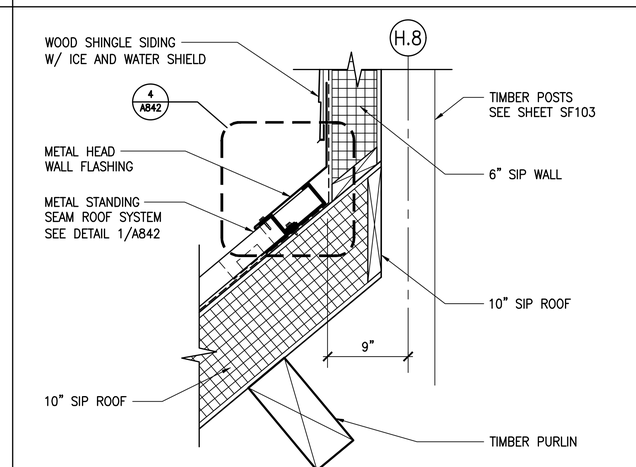
1 GABLE END OVERHANG AT DORMER ELEVATION
1/2"=1'-0"

GENERAL NOTES

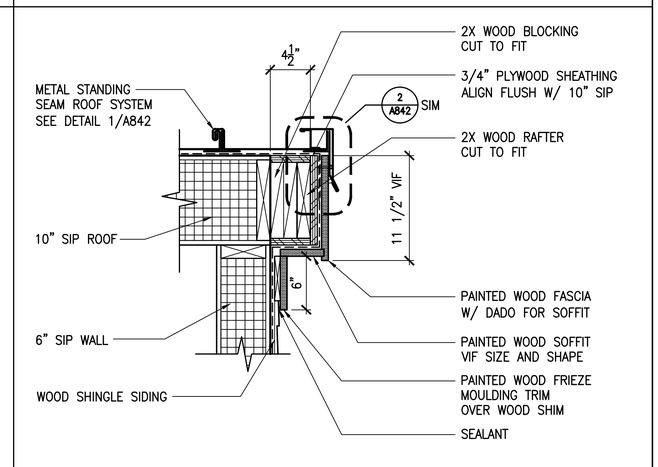
1. REFER TO NOTES ON SHEET A002.
2. INSTALL ROOF SYSTEM PER MANUFACTURER'S REQUIREMENTS.
3. VERIFY ALL DIMENSIONS IN FIELD.
4. REFER TO ROOF PLAN SHEET A205.



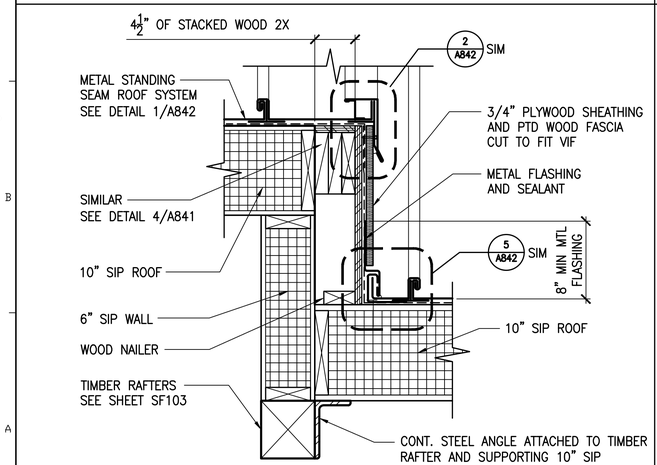
6 TYPICAL GABLE END OVERHANG
1 1/2"=1'-0"



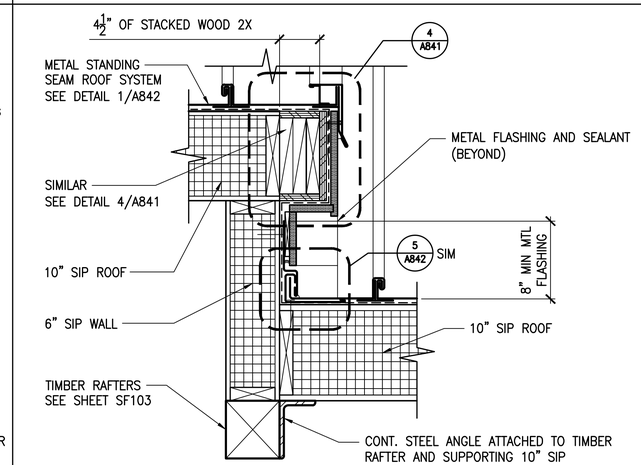
5 DETAIL UNDER DORMER
1 1/2"=1'-0"



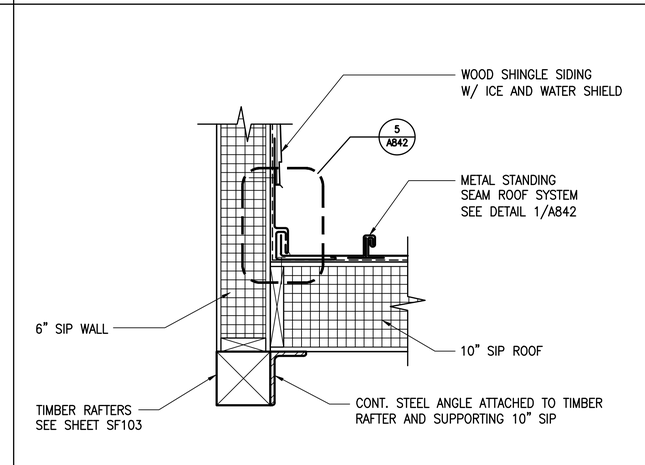
4 GABLE END OVERHANG AT DORMER DETAIL I
1 1/2"=1'-0"



9 GABLE END OVERHANG AT DORMER DETAIL III
1 1/2"=1'-0"



8 GABLE END OVERHANG AT DORMER DETAIL II
1 1/2"=1'-0"



7 DORMER CURB DETAIL
1 1/2"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

LICENSED ARCHITECT KAYLA MICHELLE WENGLER No. 5292 STATE OF MAINE

Kayla Wengler

INFORMATION		
PROJECT PROGRAM	–	–
PROJECT MANAGER	–	–
DESIGNER	AECOM	–
CONSULTANT	–	–
PROJECT RESIDENT	–	–
CONTRACTOR	–	–
PROJECT COMPLETION DATE	–	–

SIGNATURE
ARCH. LIC. NUMBER ARC5292
DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

ROOF DETAILS I

SHEET NUMBER
A841

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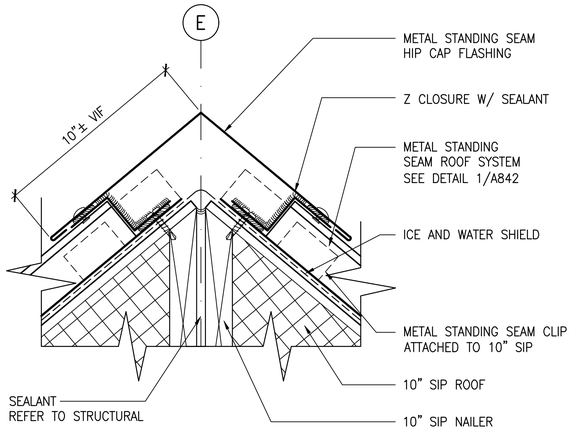
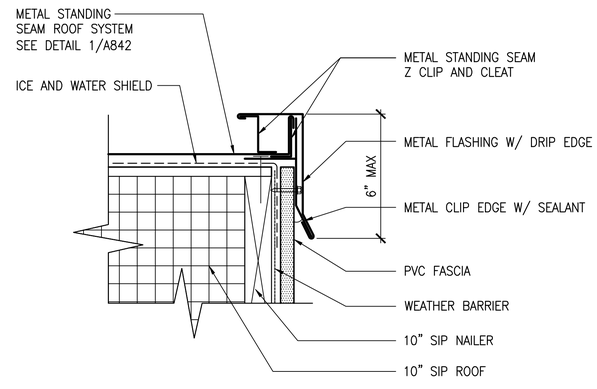
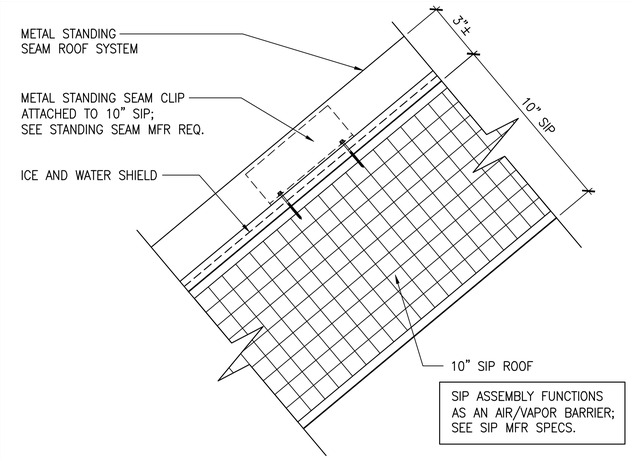


3 FLASHING DETAIL AT ROOF RIDGE
3"=1'-0"



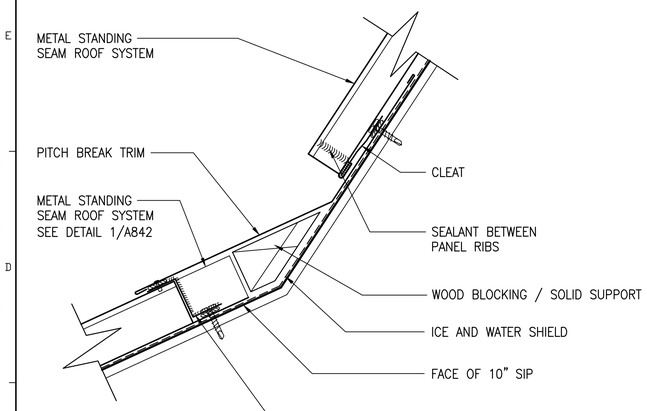
2 FLASHING DETAIL AT EAVE
3"=1'-0"



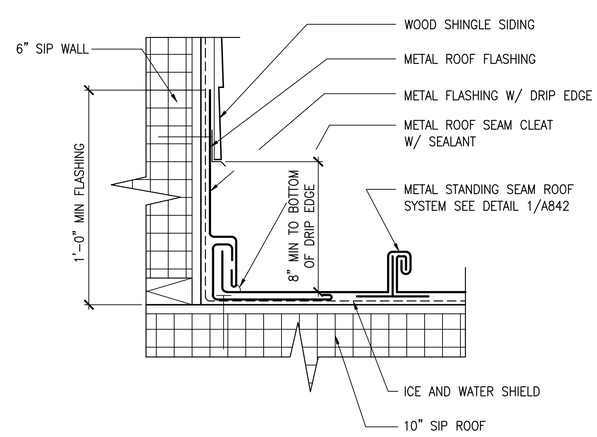
1 METAL STANDING SEAM ROOF SYSTEM COMPONENTS
3"=1'-0"

GENERAL NOTES

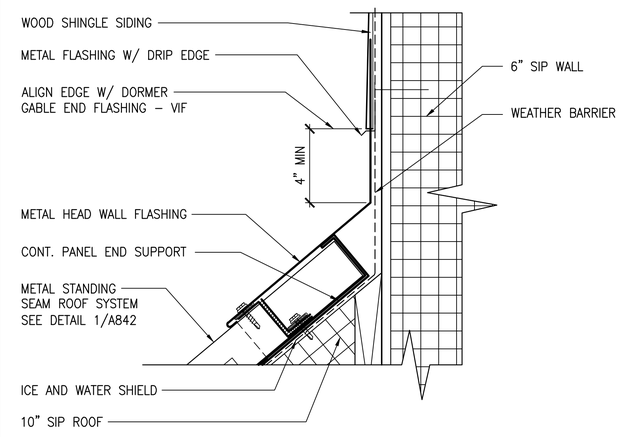
1. REFER TO NOTES ON SHEET A002.
2. INSTALL ROOF SYSTEM PER MANUFACTURER'S REQUIREMENTS.
3. VERIFY ALL DIMENSIONS IN FIELD.
4. REFER TO ROOF PLAN SHEET A205.



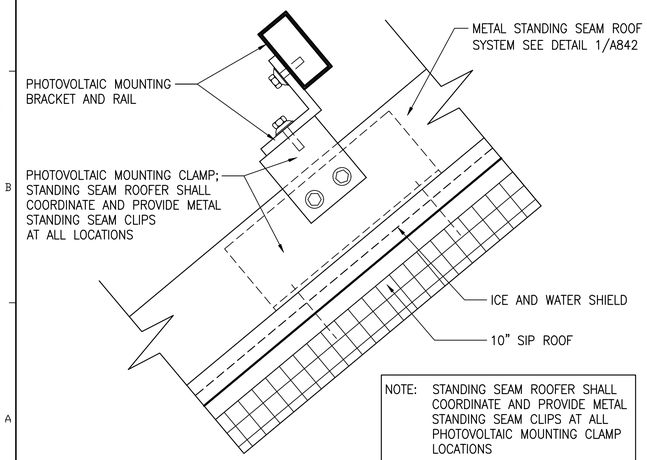
6 FLASHING DETAIL AT SLOPE TRANSITION
3"=1'-0"



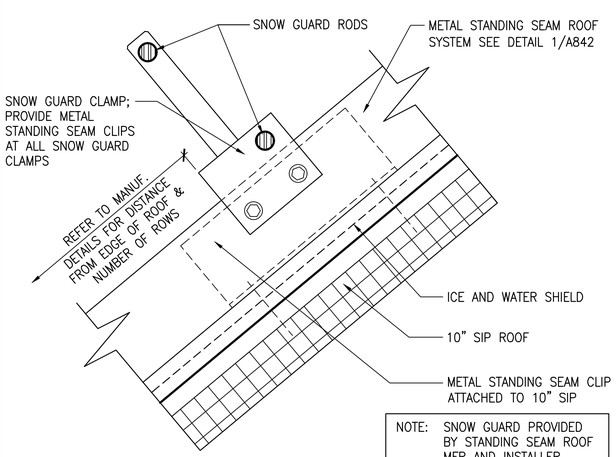
5 FLASHING DETAIL AT CURB
3"=1'-0"



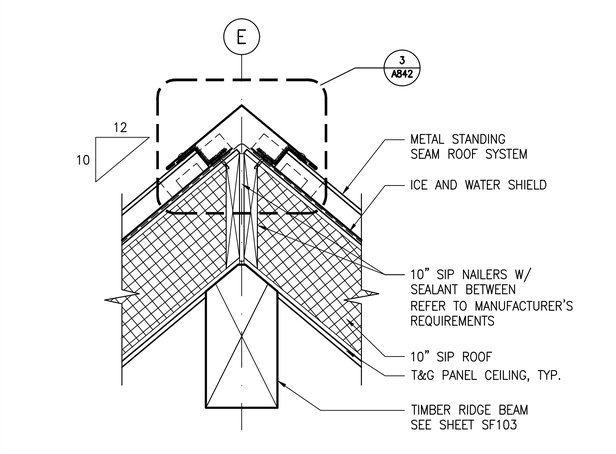
4 FLASHING DETAIL UNDER DORMER
3"=1'-0"



9 PHOTOVOLTAIC MOUNTING DETAIL
6"=1'-0"



8 SNOW GUARD DETAIL
6"=1'-0"



7 ROOF RIDGE DETAIL
1 1/2"=1'-0"

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO:	NA
WIN NO:	017163.02 & 017163.03

LICENSED ARCHITECT
KAYLA MICHELLE WENGLER
No. 5292
STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIC. NUMBER	ARC5292
DATE	JANUARY 17, 2022

PROJECT	INFORMATION
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

ROOF DETAILS II

SHEET NUMBER
A842

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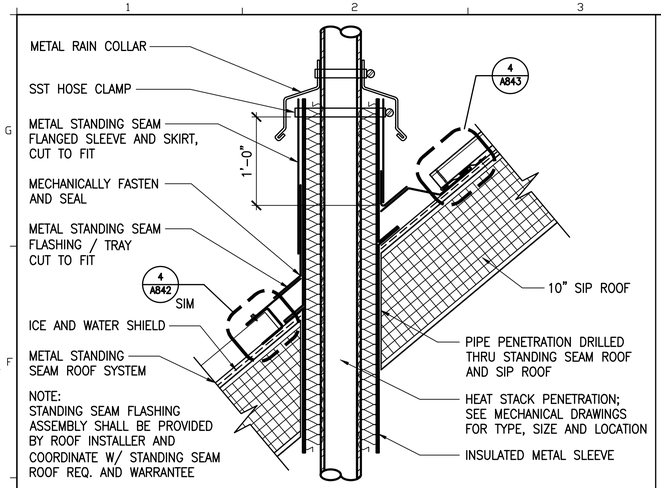
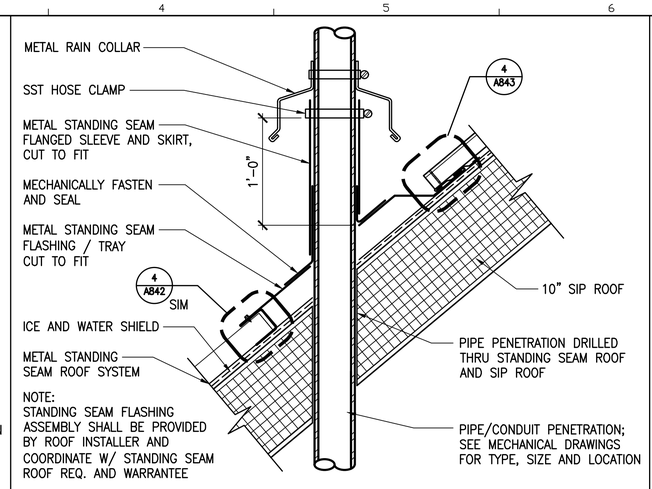
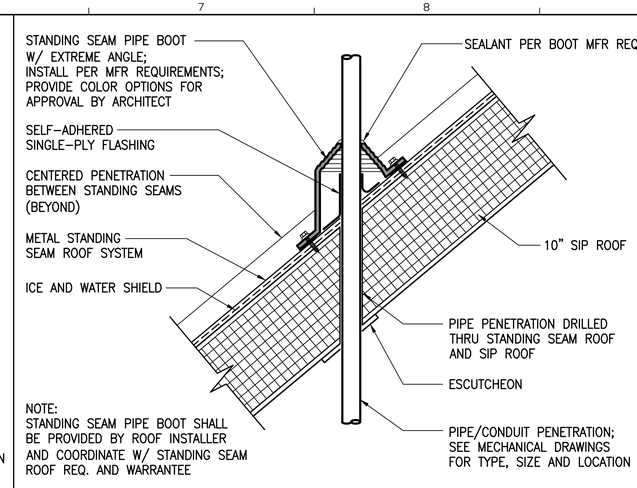


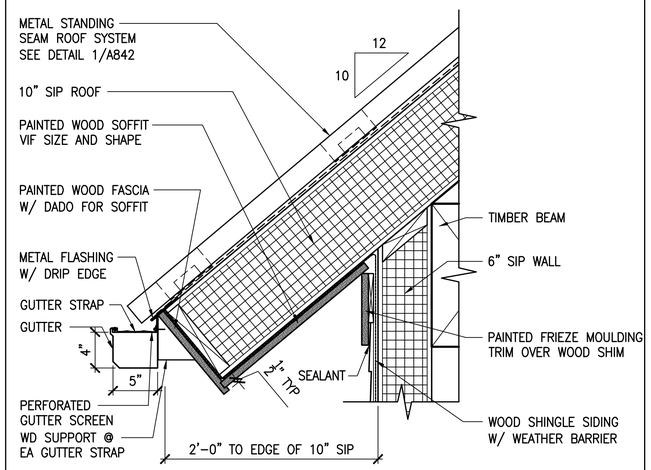
3 HEAT STACK PENETRATION DETAIL
1 1/2"=1'-0"



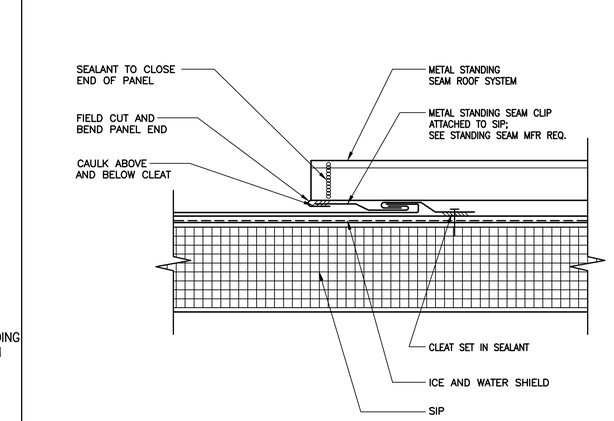
2 PIPE/VENT PENETRATION DETAIL
1 1/2"=1'-0"



1 PIPE/CONDUIT PENETRATION DETAIL
1 1/2"=1'-0"



5 TYPICAL EAVE WITH GUTTER
1 1/2"=1'-0"



4 STANDING SEAM CLEAT
3"=1'-0"

GENERAL NOTES

1. REFER TO NOTES ON SHEET A002.
2. INSTALL ROOF SYSTEM PER MANUFACTURER'S REQUIREMENTS.
3. VERIFY ALL DIMENSIONS IN FIELD.
4. REFER TO ROOF PLAN SHEET A205.

AECOM
1 FEDERAL STREET, 8TH FLOOR
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www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO:	NA
WIN NO:	017163.02 & 017163.03

LICENSED ARCHITECT KAYLA MICHELLE WENGLER No. 5292 STATE OF MAINE

Kayla Wengler

SIGNATURE	
ARCH. LIC. NUMBER	ARC5292
DATE	JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

ROOF DETAILS III

SHEET NUMBER
A843

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MASONRY NOTES:

1. PROVIDE AND INSTALL MASONRY LINTELS FOR MASONRY WALL OPENINGS UNLESS INDICATED OTHERWISE ON DRAWINGS. PROVIDE MASONRY LINTELS OF SIZE AND REINFORCEMENT AS FOLLOWS:
   A. **OPENINGS UP TO 3'-11" (UNLESS NOTED OTHERWISE):** PROVIDE 8-INCH HIGH C.M.U. LINTEL W/ (2) #4 BARS IN 8-INCH WIDE UNITS
   B. **OPENINGS 4'-0" TO 8'-0" (UNLESS OTHERWISE NOTED):** PROVIDE 16-INCH HIGH C.M.U. LINTEL W/ (2) #6 BARS IN 8-INCH WIDE UNITS
2. CONCRETE MASONRY LINTELS SHALL HAVE 8-INCH (MIN) END BEARING UNLESS OTHERWISE NOTED.
3. CONCRETE MASONRY BLOCK WALLS WITH VERTICAL REINFORCING SHALL HAVE CORES FILLED WITH 3000 PSI CONCRETE. INSTALLATION OF REINFORCEMENT SHALL BE CONTINUOUS AND RUN UNOBSTRUCTED BY BEARING PLATE ARRANGEMENTS. HORIZONTAL REINFORCEMENT SHALL BE PROVIDED @ 16-INCHES ON-CENTER VERTICALLY.
4. OMIT REBAR/GROUTING IN MASONRY CELLS WHICH SHALL RECEIVE ROOF DRAIN LEADERS, CONDUITS, ETC. REQUIRED REINFORCEMENT SHALL BE INSTALLED IN THE ADJACENT CELL AND SHALL BE GROUTED SOLID.
5. HOLLOW CONCRETE BLOCK UNITS: GRADE N, 1000 PSI, MINIMUM COMPRESSIVE STRENGTH. WALL DESIGN STRENGTH, F'M = 2000 PSI MINIMUM
6. LAY UNITS IN RUNNING BOND - CORNERS SHALL HAVE A STANDARD BOND BY OVERLAPPING UNITS.
7. MORTAR: TYPE S.
8. GROUT: (3000) PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH. ROD GROUT IMMEDIATELY AFTER POURING AND AGAIN APPROX. 5 MINUTES LATER.
9. MAXIMUM GROUT LIFT WITHOUT CLEANOUTS SHALL NOT EXCEED 4'-0" IN BLOCK WALLS.
10. TIE VERTICAL REINFORCING AT EACH END AND AT 8'-0" MAXIMUM VERTICAL SPACING USING SINGLE WIRE AND LOOP TYPE TIES AS MANUFACTURED BY A.A. WIRE PRODUCTS COMPANY OR APPROVED EQUAL.
11. IN 8-INCH WALLS, PROVIDE VERTICAL REINFORCING IN CENTER OF GROUT, AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALL AS FOLLOWS:
    A. (1) #5 VERTICAL AT CORNERS, INTERSECTIONS, WALL ENDS, JAMBS AND EACH SIDE OF EXPANSION OR CONTROL JOINTS.
    B. (1) #5 VERTICAL AT 48-INCHES ON-CENTER TYPICAL. (UNLESS NOTED ON PLAN)
    C. **(1) #5 VERTICAL IN EACH CORE WITHIN 12-INCHES OF WALL CORNERS.**
12. PLACE BOND BEAM REINFORCING CONTINUOUS THROUGH EXPANSION AND CONTROL JOINTS, WRAPPING BARS WITH 1/8-INCH THICK BOND BREAKING TAPE 24-INCHES BOTH SIDES OF JOINT. DO NOT SPLICE BOND BEAM REINFORCING WITHIN 6'-0" OF AN EXPANSION OR CONTROL JOINT.
13. PROVIDE CONTINUOUS WIRE LATHE GROUT BARRIERS AS REQUIRED UNDER FIRST COURSE OF GROUTED (3000 PSI CONC.) CELLS.
14. PROVIDE LADDER TYPE #9 JOINT REINFORCING AT 16-INCHES VERTICAL SPACING IN WALLS.
15. WET MASONRY WALLS THOROUGHLY FOR (3) CONSECUTIVE DAYS IMMEDIATELY AFTER PLACEMENT IF TEMPERATURES ARE/WILL BE ABOVE 80°F DURING THE DAY.
16. NO EXPANSION BOLTS SHALL BE ALLOWED IN MASONRY WALLS. (CHEMICAL ANCHORS ONLY)
17. MASONRY LAID IN OUTSIDE AIR TEMPERATURES BELOW 40°F SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF THE "IMIAWC RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY".
18. MASONRY BLOCK CORES BELOW FINISH FLOOR SHALL BE FILLED SOLID WITH CONCRETE.

GENERAL NOTES:

1. CONTRACTORS SHALL CONFORM TO SAFETY REQUIREMENTS OF THE OWNER, OSHA SAFETY AND HEALTH STANDARDS, AND OTHER LOCAL AUTHORITIES IN CONNECTION WITH THE PERFORMANCE OF THIS PROJECT.
2. REFERENCED STANDARDS OR PUBLICATIONS SHALL PERTAIN TO THE MOST CURRENT DATA, STANDARD OR PUBLICATION, UNLESS NOTED OTHERWISE.
3. NOTES ON THESE DRAWINGS SHALL NOT SUPERCEDE OR REPLACE INFORMATION PROVIDED IN THE SPECIFICATIONS. ANY INCONSISTENCIES WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTIONS OF THE WORK.
4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, AS WELL AS THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND CIVIL DRAWINGS. . ALL DIMENSIONS AND ELVATIONS SHOWN ON STRUCTURAL DRAWINGS, WITH THE EXCEPTION OF STRUCTURAL MEMBER SIZES, ARE GENERATED BY OTHER DISCIPLINES. ANY DIMENSIONS OR ELEVATIONS OMITTED OR NOT SHOWN ON THE STRUCTURAL DRAWINGS SHOULD BE OBTAINED FROM THE DRAWINGS OF THE OTHER DISCIPLINES. ANY INCONSISTENCIES WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTIONS OF THE WORK.
5. IF DIFFERENCES OCCUR WITHIN OR BETWEEN THE DRAWINGS AND SPECIFICATIONS REGARDING MATERIALS , STRENGTHS OR QUANTITIES, THE BETTER, HIGHER STRENGTH, AND GREATER QUANTITY INDICATED, SPECIFIED OR NOTED SHALL BE PROVIDED.
6. THE CONTRACTOR SHALL VISIT THE SITE AT A DESIGNATED TIME APPROVED BY THE OWNER, TO VERIFY EXISTING CONDITIONS, DIMENSIONS, LOCATION OF EXISTING UTILITIES, ETC. THE CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES WITHOUT EXCEPTION.
7. THE STRUCTURE HAS BEEN DESIGNED AS A SELF-SUPPORTING SYSTEM ONCE ALL WORK CONTAINED ON THESE DRAWINGS HAS BEEN COMPLETED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCE OF INSTALLATION TO ENSURE SAFETY OF THE BUIDLING AND ITS OCCUPANTS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS AND TEMPORARY SHORING, PRECAUTIONS DURING BUILDING OPERATIONS, PROTECTION OF PUBLIC AND WORKERS, REMOVAL OF WASTE MATERIAL, PROTECTION OF ADJACENT PROPERTY, PROTECTION OF HAZARDOUS OPENINGS, SAFETY PRECAUTIONS, AND SANITARY PROVISIONS OF EMPLOYEES AND SUBCONTRACTORS AS REQUIRED FOR THE DURATION OF THE CONTRACT.
8. WORK SHALL BE DONE IN AN ORDERLY AND PROFESSIONAL MANNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK TO BE DONE BY SUBCONTRACTORS, LOCAL AUTHORITIES, STATE AGENCIES AND/OR UTILITY COMPANIES WHICH MAY HAVE JURISDICTION OVER THIS PROJECT.
9. UTILITY EXTENSIONS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES OR AS INDICATED BY THE SPECIFICATIONS.
10. CONTRACTOR SHALL REVIEW AND SUBMIT COMPLETE SHOP DRAWINGS FOR ALL SPECIFIED PARTS OF THE WORK, INCLUDING SHORING AND CONSTRUCTION METHODS/SEQUENCING WHERE APPLICABLE. NO PORTION OF THE WORK COVERED BY THESE SHOP DRAWINGS SHALL COMMENCE UNTIL RETURNED APPROVED SHOPS ARE RECEIVED BY THE CONTRACTOR. SEE SPECIFICATIONS FOR SPECIFIC SHOP SUBMITTAL REQUIREMENTS.
11. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY EXISTING ITEMS DAMAGED BY NEW CONSTRUCTION, AND FOR ANY INCIDENTAL REPAIRS OF EXISTING FINISHED SURFACES DISTURBED BY NEW CONSTRUCTION; SUCH REPAIRS SHALL MATCH EXISTING TO THE OWNER'S SATISFACTION.
12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING, HANDLING, AND STORAGE OF ITEMS/MATERIALS TO REMAIN THE PROPERTY OF THE OWNER WITH THE OWNER'S REPRESENTATIVE.

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS: AN INDEPENDENT INSPECTIONS PROGRAM AND SCHEDULE SHALL BE ARRANGED BY THE BUILDING OWNER AND THE STRUCTURAL ENGINEER OF RECORD.
2. A QUALIFIED PERSON APPROVED BY THE BUILDING OFFICIALS SHALL MAKE SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE IBC-2015 AND AS DEFINED. SPECIAL INSPECTOR SHALL OBSERVE WORK FOR CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS.
3. INSPECTION REPORTS SHALL BE FURNISHED TO THE OWNER, BUILDNG OFFICIAL, ARCHITECT AND SER. DISCREPENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR AND IF NOT CORRECTED, SHALL BE REORTED TO THE OWNER, BUILDING OFFICIAL, ARCHITECT AND SER.
4. THE FOLLOWING TYPES OF WORK SHALL RECEIVE SPECIAL INSPECTION OVERSITE: STRUCTRUAL STEEL FABRICATION, ERECTION AND CONNECTIONS, METAL DECK FASTENING, INSTALLATION OF REINFORCING STEEL FOR CONCRETE/MASONRY, ALL CONCRETE/MASONRY PLACEMENT AND STRENGTH TESTING, AND STRUCTURAL FILL PLACEMENT.

FOUNDATIONS:

1. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY FGS/CMT, INC., DATED NOVEMBER 2012. FOUNDATION DESIGNS BASED ON THE SOILS REPORT REFERENCED ABOVE. FOUNDATION SYSTEMS HAVE BEEN DESIGNED WITH AN ASSUMED BEARING CAPACITY OF 2,500 PSF. THE ALLOWABLE BEARING PRESSURE SHALL BE VERIFIED BY THE OWNER'S TESTING AGENCY PRIOR TO PLACING FOOTING CONCRETE.
2. FOOTING BOTTOMS SHALL BE INSPECTED AND APPROVED, IN WRITING, BY A REGISTERED SOILS ENGINEER PRIOR TO PLACING CONCRETE. WRITTEN APPROVAL SHALL SPECIFY THAT THE SOIL HAS THE CAPACITY TO SUPPORT THE DESIGNED BEARING PRESSURE.
3. BEDDING AND FILL PROFILES BENEATH SLABS ON GRADE AND FOUNDATION FOOTINGS SHALL COMPLY WITH THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT REFERENCED ABOVE.
4. FOUNDATION WALL REINFORCING WILL BE ADJUSTED AS REQUIRED NOT TO INTERFERE WITH BASE PLATE ANCHOR BOLTS
5. EXCAVATIONS FOR BUILDING FOUNDATIONS AND STRUCTURES SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS. BRACED EXCAVATIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE. DO NOT UNDERMINE EXISTING ADJACENT FOUNDATIONS.
6. INTERSECTING CONCRETE WALLS SHALL BE TIED WITH #4 L-BARS 3'-0" LONG (BENT 18-INCHES – 18-INCHES), SPACED AT 12-INCHES ON-CENTER, OUTSIDE FACE ONLY.
7. IN NO CASE SHALL HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION/BASEMENT WALL. IF THE CONTRACTOR DEEMS IT NECESSARY TO OPERATE SUCH EQUIPMENT CLOSER THAN 8'-0", THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND, AT HIS OWN EXPENSE, PROVIDE ADEQUATE SUPPORTS OR WALL BRACES TO WITHSTAND THE ADDITIONAL LOADS SUPERIMPOSED FROM SUCH EQUIPMENT.
8. FOUNDATION WALL CONTROL JOINTS SHALL BE PLACED AT A MAXIMUM SPACING OF 40'-0" (EXTERIOR) AND AT A MAXIMUM SPACING OF 15'-0" (INTERIOR)
9. CONCRETE SHALL NOT BE PLACED ON FROZEN GROUND OR IN WATER.

CONCRETE:

1. CONCRETE WORK SHALL COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS"; ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"; AND ACI 315 "ACI DETAIL MANUAL", AND CRSI "MANUAL OF STANDARD PRACTICE" AS REFERENCED IN 2015 IBC.
2. CONTRACTROR SHALL PROVIDE TIES AND BRACING WHERE NECESSARY DURING CONSTRUCTION, TO REMAIN IN PLACE UNTIL THE STRUCTURES ARE COMPLETE.
3. CONCRETE SHALL BE:
   A. FOOTING AND FOUNDATION WALLS: 3500 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 4-INCHES +/- 1 INCH.
   B. INTERIOR SLABS-ON-GRADE: 3500 PSI CONCRETE AT (28) DAYS. SLUMP SHALL NOT EXCEED 5-INCHES.
   C. LIGHTWEIGHT FLOOR TOPPINGS SECOND LEVEL: 3500 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 5-INCHES +/- 1 INCH.
   D. EXTERIOR SLABS-ON-GRADE: 4000 PSI CONCRETE AT (28) DAYS. SLUMP SHALL NOT EXCEED 5-INCHES.
   E. ELEVATED SLABS ON METAL DECK: 3,500 PSI AT (28) DAYS. SLUMP SHALL NOT EXCEED 4-INCH +\-2-INCHES.
   F. SEE SPECIFICATIONS SECTION 033000 FOR FURTHER CAST-IN-PLACE CONCRETE REQUIREMENTS.
4. SLAB REINFORCEMENT:
   A. 4-INCH SLABS ON GRADE SHALL BE REINFORCED WITH 6 X 6 X W2.9 X W 2.9 WWM UNLESS OTHERWISE NOTED.
   B. 5-INCH SLABS ON GRADE SHALL BE REINFORCED WITH #4 BARS AT 18-INCHES ON-CENTER UNLESS OTHERWISE NOTED.
5. WALLS EXCEEDING 90 FEET SHALL CONTAIN EXPANSION JOINTS AT 90 FEET ON CENTER SPACING.
6. FLOOR SLAB CONTROL JOINTS (INCLUDING ELEVATED SLAB) SHALL BE PLACED AS SHOWN ON THE FOUNDATION PLAN (SLAB ON GRADE) OR AS DIRECTED BY THE ENGINEER (ELEVATED SLABS). UNLESS OTHERWISE NOTED, CONTROL JOINTS WILL BE SPACED NOT TO EXCEED 12'-0" ON-CENTER IN BOTH DIRECTIONS AND SHALL BE FILLED WITH SEALANT AT THE COMPLETION OF THE PROJECT.
7. CONTRACTOR WILL CHECK WITH EACH TRADE TO ASSURE CORRECT LOCATION, SIZE, LINE AND ELEVATION OF SLEEVES, BOND-OUTS, ETC. REQUIRED IN CONCRETE FLOORS AND WALLS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FLOOR DRAIN SETTING FOR ELEVATION AND PLUMBNESS TO ASSURE COMPLETE AREA DRAINAGE.
9. WELDING OF REINFORCEMENT IS NOT PERMITTED.
10. EXPOSED CONCRETE SHALL BE NEATLY FINISH-RUBBED.
11. MECHANICAL EQUIPMENT RESTING ON THE CONCRETE FLOOR SLAB SHALL HAVE A 4-INCH HIGH LIGHTWEIGHT CONCRETE PAD UNDERNEATH, EXTENDING A MINIMUM OF 6-INCHES BEYOND UNIT EDGE (EACH DIRECTION), REINFORCED WITH #3 BARS AT 18-INCHES ON-CENTER EACH WAY.
12. STRUCTURAL STEEL BELOW FINISH FLOOR SHALL RECEIVE (2) COATS OF BITUMINOUS MASTIC.
13. ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED. CONCRETE SHALL NOT BE IN DIRECT CONTACT WITH ALUMINUM.
14. PROVIDE IN SLABS ON GRADE (2) BARS 4'-0" LONG AT EACH REENTRANT CORNER AND BOTH SIDES OF DOOR OPENING.
15. REFER TO ACI 318 (LATEST EDITION) FOR MINIMUM CONCRETE COVER FOR REINFORCING STEEL.
16. UNLESS OTHERWISE NOTED, REINFORCING LAP SPLICES SHALL BE ACI CLASS B SPLICES USING THE FOLLOWING LAP LENGTHS:

BAR SIZE:	3	4	5	6	7	8	9
LAP (IN.):	22	29	36	43	63	72	80

17. COORDINATE SLAB DEPRESSIONS WITH ARCHITECTURAL DRAWINGS.
18. SLAB THICKNESSES (ELEVATED OR ON-GRADE) INDICATED ON THE DRAWINGS ARE MINIMUMS. PROVIDE SUFFICIENT CONCRTETE TO ACCOUNT FOR STRUCTURE DEFLECTION AND/OR SUBGRADE FLUCTUATIONS IN ORDER TO OBTAIN SPECIFIED SLAB ELEVATIONS AT THE FLATNESS AND LEVELNESS INDICATED IN THE SPECIFICATION.
19. DRILLED-IN ANCHOR BOLTS OR REBAR DOWELS SHALL BE INSTALLED AS FOLLOWS:
   A. LOCATE ANCHOR BOLTS OR DOWELS TO AVOID CUTTING EXISTING REBAR.
   B. DEPTH IS BASED ON A CLEAN HOLE WITH ROUGH SIDES. ROTARY PERCUSSION EQUIPMENT AND COURSE ROCK CUTTING CHISELS ARE RECOMMENDED. DIAMOND CORE BITS SHOULD BE AVOIDED AS EMBEDMENT LENGTHS MAY NEED TO BE INCREASED. HOLE SIZE TO BE PER MANUFACTURER'S RECOMMENDATIONS.
   C. CLEAN HOLES WITH COMPRESSED AIR OR VACUUM, REMOVE ANY FREE-STANDING WATER AND ALLOW HOLE TO DRY.
   D. GROUT ANCHOR BOLTS OR DOWELS WITH HILTI HIT HY-150 ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. (HILTI HVA ADHESIVE CAPSULE MAY BE SUBSTITUTED FOR THE HILTI HIT HY-150 ADHESIVE.)

FIELD TESTING

1. BOLTED CONNECTIONS: 100% OF COMPONENTS AND FASTENERS IN SLIP CRITICAL CONNECTIONS, AS IDENTIFIED IN THE PROJECT CONTRACT DOCUMENTS SHALL BE VISUALLY INSPECTED AND TESTED FOR TIGHTNESS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS, PARTS 8 AND 9.
2. CHECK BY CALIBRATION TORQUE WRENCH 25% OF BOLTS IN EACH NON-SC SHEAR CONNECTION BUT NOT LESS THAN (2) PER CONNECTION.
3. FIELD WELDED CONNECTIONS: PERFORM TESTING IN ACCORDANCE WITH ANSI/AWS D1.1, CHAPTER 6.
4. CONDUCT TESTING OF 10% OF WELDS ON STRUCTURAL STEEL BY DYE PENETRATION OR MAGNETIC PARTICLE TESTING.
5. CONDUCT TESTING OF 100% OF GROOVE, PLUG, OR SLOT WELDS IN STRUCTURAL STEEL BY ULTRASONIC TESTING OR OTHER NONDESTRUCTIVE TESTING APPROVED BY ENGINEER OF RECORD.
6. RADIOGRAPHICALLY TEST 5% OF ALL FULL PENETRATION WELDS.
7. WELDED SHEAR STUDS: 10% OF STUDS SHALL BE TESTED BY BENDING OR TORQUEING IN ACCORDANCE WITH ANSI/AWS D1.1 SECTION 7.8.
8. THE STRUCTURAL FABRICATOR AND ERECTOR SHALL SCHEDULE ALL WORK TO ALLOW THE ABOVE INSPECTION AND TESTING REQUIREMENTS TO BE COMPLETED

WOOD NOTES:

1. GENERAL:
   A. TIMBER FRAMING SHALL BE IN ACCORDANCE WITH THE AITC TIMBER CONSTRUCTION MANUAL – LATEST EDITION, AND THE AF & PA NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) LATEST EDITION.
   B. TIMBER SIZES NOTED ON DRAWINGS SHALL BE ACTUAL MEMBER SIZES.
   C. EACH PIECE OF LUMBER SHALL BE "S-DRY" AND BEAR THE GRADE STAMP OF A GRADING RULES AGENCY APPROVED BY THE AMERICAN LUMBER STANDARDS COMMITTEE.
   D. DOUBLE UP STUDS AT JAMBS AND UNDER BEAMS UNLESS POSTS ARE NOTED ON PLANS.
   E. DO NOT NOTCH OR DRILL JOISTS. BEAMS OR LOAD BEARING STUDS WITHOUT APPROVAL.
   F. PROVIDE OPENING HEADERS AS INDICATED ON DRAWINGS.
2. CONNECTIONS:
   A. FOLLOW TABLE 2304.10.1 OF THE 2015 INTERNATIONAL BUILDING CODE FOR NAILING REQUIREMENTS NOT INDICATED ON THESE DRAWINGS.
   B. GLUE FLOOR PLYWOOD TO ALL FRAMING MEMBERS AND NAIL WITH 10D COMMON NAILS AT 6-INCHES ON-CENTER AT PLYWOOD EDGES AND BOUNDARY MEMBERS AND 10-INCHES ON-CENTER AT INTERMEDIATE SUPPORTS.
   C. PROVIDE METAL HANGERS BY SIMPSON STRONGTIE AT FLUSH FRAMING CONDITIONS.
   D. PROVIDE METAL POST CAPS BY SIMPSON STRONGTIE AT BEAM TO POST CONNECTIONS.
3. STRUCTURAL SAWN LUMBER:
   A. 2 X 6 THRU 2 X 14 JOISTS: SPRUCE PINE FIR NO. 1 WITH FB (REPETITIVE) = 1200 P.S.I.
   B. STUDS: SPRUCE PINE FIR NO. 1 GRADE, Fb (REPETITIVE) = 1,200 PSI, Fc = 1,100 PSI
4. LAMINATED VENEER LUMBER (LVL & PSL):
   A. BEAMS/HEADERS: Fb = 3,100 PSI, Fv = 285 PSI, E = 2,100 KSI.
   B. POSTS/COLUMNS: PARALLAM PSL, Fb = 2,900 PSI, Fc = 2,500 PSI, E = 2,200 KSI.
   C. NAIL MULTIPLE BUILT-UP MEMBER WITH 3 ROWS OF 16d NAILS @ 12-INCHES ON-CENTER (UNO).
   D. PROVIDE SHOP DRAWINGS INDICATING POST AND BEAM LOCATIONS AND CONNECTOR SIZES. PROVIDE MANUFACTURER'S LOADING DATA FOR EACH ITEM.
5. ENGINEERED FLOOR JOISTS: (BY TRUS-JOIST OR APPROVED EQUAL)
   A. JOISTS SHALL BEAR 2-INCH MINIMUM AT SUPPORTING WALLS.
   B. PROVIDE SHOP DRAWINGS INDICATING JOIST LOCATIONS, HEADER LOCATIONS AND CONNECTOR SIZES. PROVIDE MANUFACTURORS LOADING DATA FOR EACH ITEM.
   C. PROVIDE SOLID BLOCKING OR SQUASH BLOCKS AT BEARING POINTS WHERE LOADS EXIST ABOVE SUPPORT.
   D. PROVIDE WEB STIFFINERS PER MANUFACTURER'S RECOMMENDATIONS AT BEARING POINTS INCLUDING POST / BEARING WALL LOADS FROM ABOVE.
6. PLYWOOD:
   A. SUB-FLOORING: C-D INT-APA (PS 1) WITH EXTERIOR GLUE: 3/4" WITH IDENTIFICATION INDEX 36/16. LAY UP WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER JOINTS. EACH PLYWOOD PIECE SHALL BE CONTINUOUS OVER A MINIMUM OF TWO SPANS WITH A MINIMUM WIDTH OF 1'-0" UNLESS BLOCKING IS PROVIDED AT JOINTS.
   B. EACH PLYWOOD PIECE SHALL BE CONTINUOUS OVER A MINIMUM OF TWO SPANS WITH A MINIMUM WIDTH OF 1'-0" UNLESS BLOCKING IS PROVIDED AT JOINTS.

STRUCTURAL NOTES:

1. STRUCTURAL STEEL SHALL BE DESIGNED USING THE 13TH EDITION OF THE AISC STEEL CONSTRUCTION MANUAL. STEEL BEAMS SHALL CONFORM TO ASTM A992, FY = 50 KSI, MISCELLANEOUS PLATES, SHAPES, CHANNELS, ANGLES ETC. SHALL CONFORM TO ASTM A36, FY = 36KSI. ALL STEEL SUPPORTING MECHANICAL EQUIPMENT AND TO RECEIVE FIREPROOFING SHALL BE UNPAINTED AND UNPRIMED. STEEL TUBING: COLD-FORMED STEEL TUBING COMPLYING WITH ASTM A500. STEEL PIPE: ASTM A53, STANDARD WEIGHT (SCHEDULE 40), UNLESS ANOTHER WEIGHT IS INDICATED OR REQUIRED BY STRUCTURAL LOADS.
2. SEE ARCHITECTURAL WALL SECTIONS AND DETAILS FOR MISCELLANEOUS STEEL.
3. STEEL FLOOR DECK SHALL BE FASTENED TO STEEL BEAMS, BAR JOIST, AND PERIMETER ANGLES PER DIVISION 5 OF SPECIFICATIONS AND STRUCTURAL DETAILS.
4. PROVIDE L4 X 4 X ¼" SLAB SUPPORT ANGLE AS REQUIRED AT COLUMNS WHERE STRUCTURAL MEMBERS DO NOT FRAME IN AT ALL FOUR SIDES.
5. UNLESS NOTED OTHERWISE, BASE PLATE ANCHOR BOLTS IN NEW CONSTRUCTION SHALL BE
   A. ANCHOR RODS: 3/4" Ø ASTM F1554 GRADE 36
   B. NUTS: ASTM A563, GRADE A
   C. WASHERS: ASTM F436?
6. INSPECTION REPORTS SHALL BE FURNISHED TO THE OWNER, BUILDING OFFICIAL, ARCHITECT AND SER. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR AND IF NOT CORRECTED, SHALL BE REPORTED TO THE OWNER, BUILDING OFFICIAL, ARCHITECT AND SER.

CONNECTIONS:

1. FIELD CONNECTIONS SHALL BE FIELD BOLTED WITH A325N HIGH STRENGTH BOLTS (U.N.O.) EXCEPT WHERE SLIP CRITICAL CONNECTIONS ARE REQUIRED AND NOTED BY A325 (SC) ON THE DRAWINGS. WASHERS SHALL CONFORM TO ASTM F436, NUTS SHALL CONFORM TO ASTM A563 PROVIDE SLIP CRITICAL (SC) CONNECTIONS AT ALL MOMENT CONNECTIONS, BRACED FRAMES, RELIEVING ANGLES AND WHERE OTHERWISE NOTED.
2. SLIP CRITICAL (S.C.) BOLTED CONNECTIONS SHALL BE CHECKED AND INSPECTED USING ONE OF THE FOLLOWING:
   A. TURN OF THE NUT
   B. CALIBRATED WRENCH
   C. ALTERNATE DESIGN FASTENER
   D. DIRECT TENSION INDICATOR
   E. OTHER BOLTED CONNECTIONS SHALL BE TIGHTENED TO "SNUG TIGHT" CONDITION UNLESS NOTED OTHERWISE.
3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE WELDED OR BOLTED WITH 3/4-INCH DIAMETER BOLTS (BEARING TYPE, DESIGNATION N, THREADS IN SHEAR PLANE) BEAM TO COLUMN CONNECTIONS SHALL BE FULL DEPTH (BOLT SPACING 3" ON-CENTER).
4. OVERSIZE OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY ENGINEER OF RECORD.
5. MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE 2.
6. ALTERNATE CONNECTIONS WILL BE ACCEPTED ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD; HOWEVER, THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTABILITY. THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THOSE SPECIFIC DETAILS SHOWN ON THE DRAWINGS. IN ANY EVENT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS.
7. WELDS INDICATED SHALL BE THE MINIMUM WELD SIZED SPECIFIED BY THE AISC MANUAL OF STEEL DESIGN (SINGLE PASS AS REQUIRED). ALL BUTT AND FULL PENETRATION WELDS SHALL BE MADE USING RUN OFF TABS THAT SHALL BE REMOVED AND GROUND SMOOTH AFTER WELD IS COMPLETED. ALL WELD BACK UP BARS SHALL BE REMOVED AND GROUND SMOOTH AFTER WELD IS COMPLETED.
8. SHOP CONNECTIONS, UNLESS NOTED OTHERWISE, SHALL BE WELDED. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, BEAM CONNECTION CAPABILITIES SHALL BE CALCULATED IN ACCORDANCE WITH AISC'S "THE STEEL CONSTRUCTION MANUAL", 13TH EDITION, FOR EACH SHEAR CONNECTION PROVIDE THE GREATER OF THE FOLLOWING SHEAR CAPACITIES:
   A. BEAMS: SUPPORT A REACTION ® EQUAL TO HALF TOTAL UNIFORM LOAD CAPACITY OF BEAM FOR GIVEN SHAPE, SPAN AND STEEL SPECIFICATION (AISC) WITH EFFECT OF CONCENTRATED LOADS ACCOUNTED FOR OR THE (UNFACTORED) REACTIONS SHOWN ON PLAN, WHICHEVER IS GREATER.
   B. COMPOSITE BEAMS: NOTED [#] – NUMBER OF SHEAR STUDS; R = REQUIRED REACTION CAPACITY; W = FROM AISC 13th EDITION TABLE 3-6 "MAXIMUM TOTAL UNIFORM LOADS FOR GIVEN SPAN (SEE PLANS) USING ASD; C = AS NOTED BELOW.

      R = (W/3) X C
      a. FOR W12 OR SMALLER; C=2.25
      b. FOR W14 TO W21; C=2.00
      c. FOR W24; C=1.75
      d. FOR W27 OR DEEPER; C=1.50
9. CONNECTION DESIGN IS THE RESPONSIBILITY OF THE FABRICATOR FOR OTHER THAN THE STANDARD CONNECTIONS NOTED ON DETAIL. CONNECTIONS CALCULATIONS SHALL BE SIGNED, SEALED BY A PE REGISTERED IN THE PROJECT STATE AND SUBMITTED FOR REVIEW WITH THE SHOP DRAWINGS. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PARTIAL SUBMITTAL PACKAGES SHALL BE RETURNED. CONNECTION DESIGN SHALL BE PERFORMED USING ALLOWABLE STRENGTH DESIGN.

DESIGN LOADS:

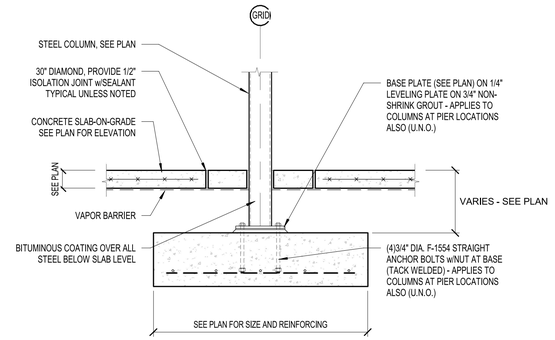
1. BUILDING CODE:
   A. INTERNATIONAL BUILDING CODE – 2015 EDITION
   B. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
2. MINIMUM LOADING REQUIREMENTS:
   A. RISK CATEGORY II
   B. ROOF SNOW LOADS: LOADS: (EXCEPT AT DRIFTING SNOW LOCATIONS AND THOSE LISTED BELOW)
      a. GROUND SNOW LOAD: P_G = 60.0 PSF
         1. IMPORTANCE FACTOR: I = 1.0
         2. COLD ROOF SLOPE FACTOR: C_S = 0.93
         3. THERMAL FACTOR: C_T = 1.1
         4. SITE COEFFICIENTS: C_E= 1.0
         5. TERRAIN CATEGORY: C
      b. ROOF SNOW LOAD: P_S = 43.0PSF
      c. DRIFT – AS INDICATED ON THE DRAWINGS.
   C. ROOF DEAD LOAD:
      a. TYPICAL 25.0 PSF.
      b. ALLOWANCE FOR FUTURE PV PANELS ON ENTIRE ROOF SURFACE 5.0 PSF
   D. ROOF LIVE LOAD:
      a. STANDARD ROOF LIVE LOAD: 20 PSF
   E. FLOOR DEAD LOAD:
      a. FIRST FLOOR (5-1/2" CONCRETE SLAB/1-1/2" METAL DECK) 65 PSF
      b. SECOND FLOOR (W/O 2" CONCRETE TOPPING) 10 PSF
      c. SECOND FLOOR (W/ 2" CONCRETE TOPPING) 35 PSF
      d. SECOND FLOOR (W/ 2" CONCRETE TOPPING/4" HOUSEKEEPING PAD) MECHANICAL ROOM 203 75PSF

F. FLOOR LIVE LOADS:	UNIFORM	CONCENTRATED	PARTITION
a. CORRIDORS 1ST FLOOR	100 PSF		
b. OFFICES			
1. OFFICES	50 PSF	2,000#	15 PSF
2. CORRIDORS ABOVE 1ST FLOOR	80 PSF	2,000#	
c. LIBRARIES			
1. READING ROOMS	60 PSF	1,000#	
2. CORRIDORS ABOVE 1ST FLOOR	80 PSF	1,000#	
d. STORAGE			
1. LIGHT (INCLUDING STORAGE ROOM 204)	125 PSF		
e. MECHANICAL MEZZANINE	65 PSF	1,000#	
f. ACCESSIBLE CEILINGS	20 PSF	250#	

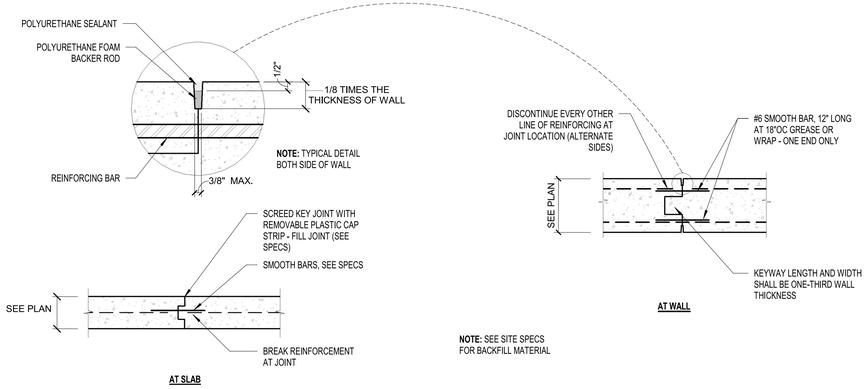
   G. WIND:
      a. FACTORS:
         1. BASIC WIND SPEED: 116 MPH ULTIMATE
         2. EXPOSURE CATEGORY: "C"
         3. BUILDING HEIGHT: < 60 FEET
      b. WIND DESIGN PRESSURE

Wind Design Data

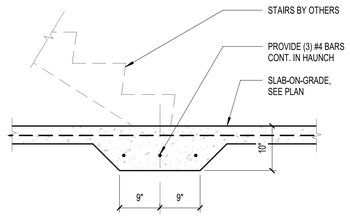
| | | | |
|



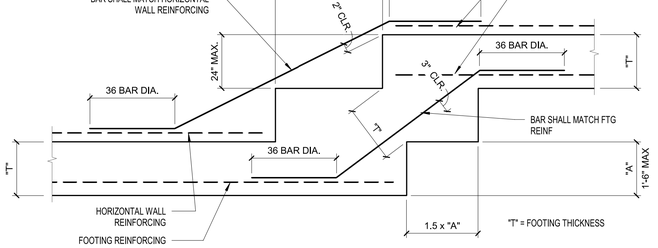
F1 TYPICAL INTERIOR SPREAD FOOTING DETAIL



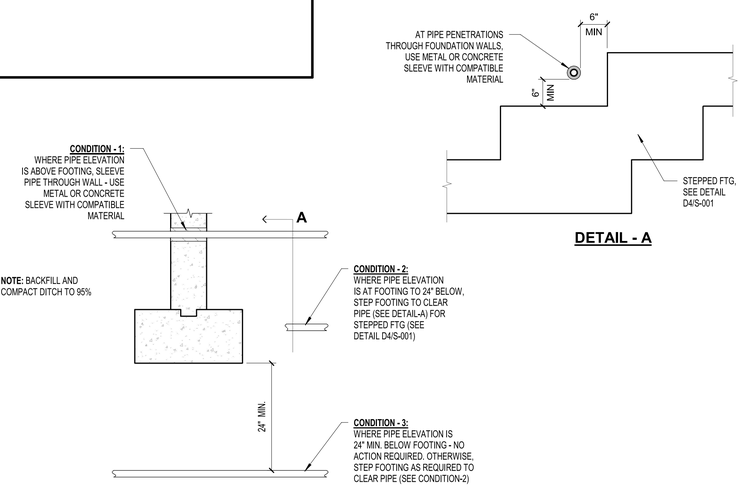
F4 TYPICAL WALL AND SLAB CONSTRUCTION JOINT DETAIL



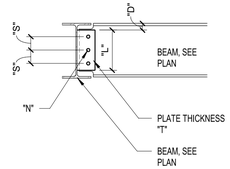
D1 THICKENED SLAB DTL @ STAIR BASE



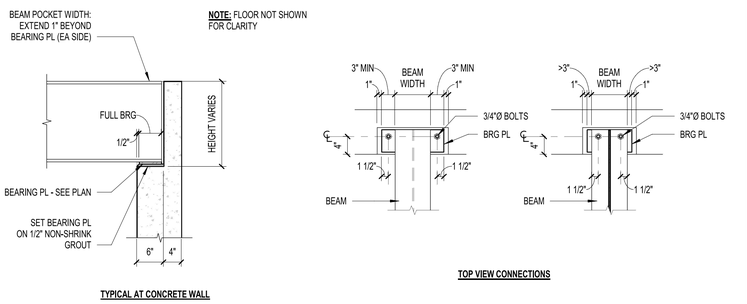
D4 TYPICAL STEPPED FOOTING DETAIL



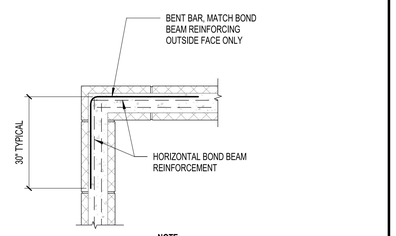
D7 TYPICAL PIPE AT FOOTING DETAIL



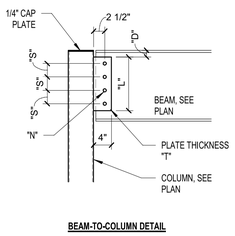
BEAM-TO-BEAM DETAIL



C3 TYPICAL BEAM POCKET DETAIL



C6 TYP. BOND BEAM @ CORNER



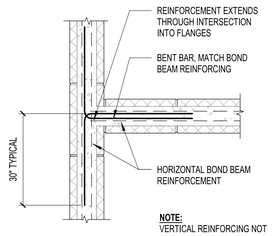
BEAM-TO-COLUMN DETAIL

CONNECTION SCHEDULE

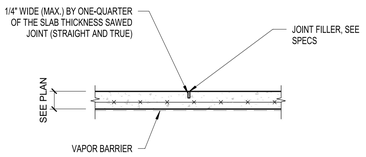
BEAM	N	L	T	D	S	CAPACITY (KIP)
W8	2	6"	1/4"	1"	3"	16.3
W10	2	6"	1/4"	1 1/2"	3"	16.3
W12	3	9"	1/4"	1 1/2"	3"	25.6
W14	4	11 1/2"	3/8"	1 1/2"	3"	42.4
W16	4	12"	3/8"	1 1/2"	3"	42.4
W18	5	15"	3/8"	1 1/2"	3"	53.0
W21	6	18"	3/8"	1 1/2"	3"	63.6
W24	7	20 1/2"	3/8"	1 1/2"	3"	74.2

NOTES:
1. BOLTS SHALL BE 3/4" DIA. A325N (U.N.O.)
2. N = NUMBER OF BOLTS
3. L = LENGTH OF PLATE
4. T = THICKNESS OF PLATE
5. D = DEPTH OF PLATE FROM TOP FLANGE OF BEAM
6. S = BOLT SPACING
7. SIMILAR AT CHANNEL SECTIONS OF SAME DEPTH

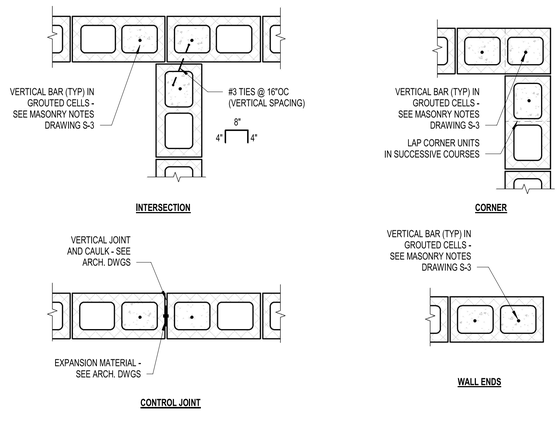
A1 TYPICAL CONNECTION DETAIL



A5 TYP. BOND BEAM @ WALL INTERSECTION



G9 TYPICAL CONTROL JOINT IN SLAB DETAIL



B8 TYPICAL CMU REINFORCING DETAILS

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Allied Project No: 12069 | Cad File: 12069S.rvt

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
DATE
FED PIN NO: NA
PIN NO: 017163.02 & 017163.03

STATE OF MAINE WILLIAM P. FAUCHER No. 7133 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 7133
DATE JANUARY 17, 2022

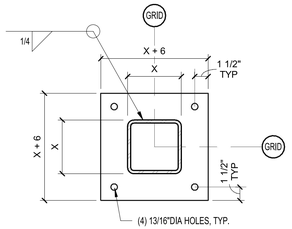
PROJECT INFORMATION

PROGRAM	–	–
PROJECT MANAGER	–	–
DESIGNER	AECOM	ALLIED ENGINEERING
CONSULTANT	–	–
PROJECT RESIDENT	–	–
CONTRACTOR	–	–
PROJECT COMPLETION DATE	–	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER
STRUCTURAL – TYPICAL DETAILS

SHEET NUMBER
S001

Username: –
Division: –
Date: –
Filename: –



BASE PLATE TYPE "B-1"
(3/4"Ø A. BOLTS w/9" EMBED)

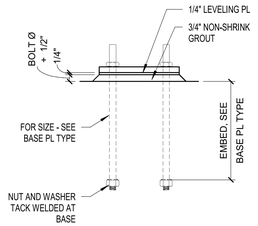
BASE PL MARKER LEGEND

BASE PLATE THICKNESS CHART:

A = 1"

B = 2"

C = 2 1/2"



G1	BASE PLATE TYPES
1 1/2" = 1'-0"	

1. FINISH SLAB ELEVATION = 83.5' (NOMINALLY REFERRED TO 0'-0" IN THESE DRAWINGS) UNLESS NOTED OTHERWISE.
2. TOP OF WALL ELEVATION = 0'-0" UNLESS NOTED OTHERWISE
3. TOP OF FOOTING SHALL BE 4'-0" MIN. BELOW FINISHED GRADE
4. AT EMERGENCY ELECTRICAL ROOM CMU WALLS PROVIDE 12" THICKENED SLAB. PROVIDE DOWELS #4 x 16" LONG @ 48"OC, AT EACH CORNER CELL AND JAMB CELL - EMBED DRILL AND DROP 4" MIN INTO HAUNCH

F-# INDICATES FOOTING TYPE - SEE D9/SB100 FOR SCHEDULE

P-# INDICATES CONCRETE PIER - SEE D9/SB100 FOR SCHEDULE

B-#X INDICATES BASE PLATE TYPE - SEE G1/SB100

C-# INDICATES COLUMN TYPE - SEE D9/SB100 FOR SCHEDULE

INDICATES CONTROL JOINT IN SLAB

INDICATES AREA TO BE GROUTED SOLID AFTER COLUMN PLACEMENT, MATCH TOP OF ADJACENT CONCRETE WALL

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F-1	3'-0" x 3'-0" x 1'-0"	(5)#4 BARS, EW - BOTTOM
F-3	4'-0" x 4'-0" x 1'-0"	(9)#4 BARS, EW - BOTTOM
F-4	4'-0" x 4'-0" x 1'-2"	(4)#5 BARS, EW - TOP AND BOTTOM
F-5	4'-6" x 4'-6" x 1'-2"	(10)#4 BARS, EW - BOTTOM
F-7	5'-6" x 5'-6" x 1'-4"	(9)#5 BARS, EW - TOP AND BOTTOM
F-8	6'-0" x 6'-0" x 1'-4"	(9)#5 BARS, EW - TOP AND BOTTOM
F-9	7'-0" x 7'-0" x 1'-6"	(11)#6 BARS, EW - BOTTOM

PIER SCHEDULE

MARK	SIZE	REINFORCING
P-1	12 x 12	(4)#5 BARS VERTICAL w/#3 TIES @ 12"O.C.
P-2	16 x 24	(8)#5 BARS VERTICAL w/#3 TIES @ 12"OC
P-3	19 x 24	(8)#5 BARS VERTICAL w/#3 TIES @ 12"OC
P-4	24 x 24	(8)#6 BARS VERTICAL w/#3 TIES @ 12"O.C.

COLUMN SCHEDULE

MARK	SIZE
C-1	HSS6X6X5/8
C-2	HSS8X8X1/2
C-7	5 1/4 x 7 PSL
C-9	6 x 6 TIMBER
C-10	6 x 12 TIMBER
C-11	8x8 TIMBER
C-13	12x12 TIMBER

A1	STRUCTURAL ~ FOUNDATION PLAN
1/8" = 1'-0"	

PROJECT KEY PLAN

WELCOME CENTER

PROJECT NORTH true north

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION		
PROGRAM	–	–
PROJECT MANAGER	–	AECOM
DESIGNER	–	ALLIED ENGINEERING
CONSULTANT	–	–
PROJECT RESIDENT	–	–
CONTRACTOR	–	–
PROJECT COMPLETION DATE	–	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – FOUNDATION PLAN

SHEET NUMBER
SB100

Allied Engineering
Structural Mechanical Electrical Plumbing
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1 FEDERAL STREET, 8TH FLOOR
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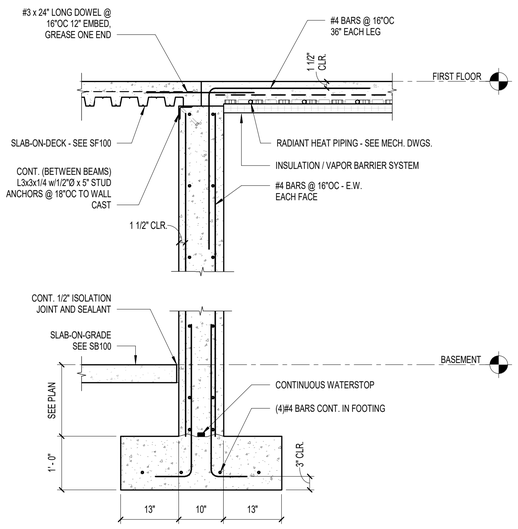
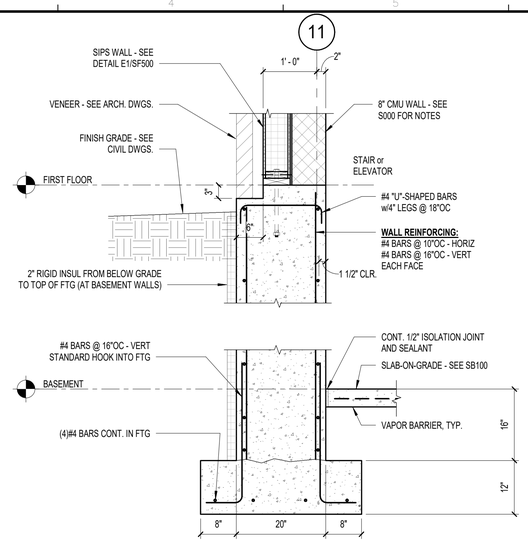
Allied Project No. 12069 | Cad File: 12069S.rvt

Username: –
Division: –
Date: –
Filename: –



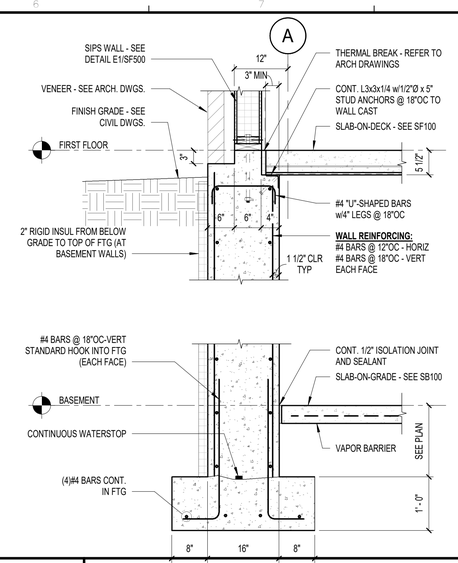
E1 | TYPICAL 10" INTERIOR BASEMENT WALL

3/4" = 1'-0"



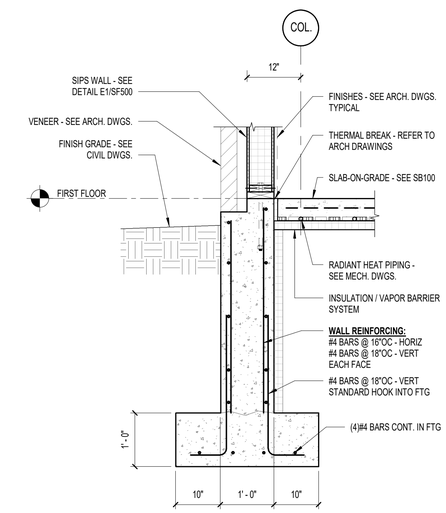
E3 | TYPICAL 20" FDN WALL AT BASEMENT

3/4" = 1'-0"



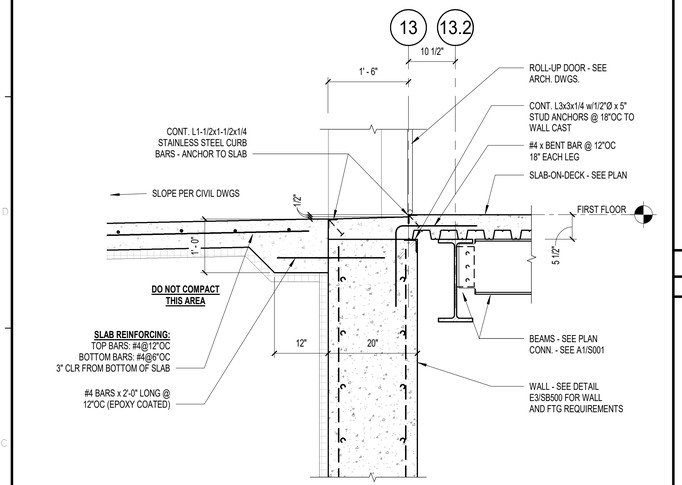
E6 | TYPICAL 16" FDN WALL AT BASEMENT

3/4" = 1'-0"



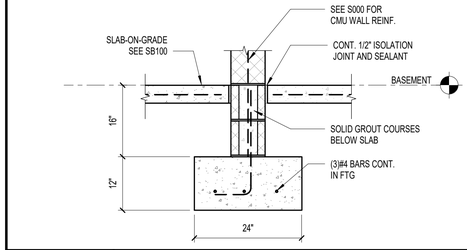
E9 | TYPICAL FOUNDATION WALL DETAIL

3/4" = 1'-0"



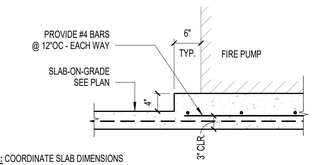
C1 | DETAIL

3/4" = 1'-0"



D4 | DETAIL AT CMU WALL

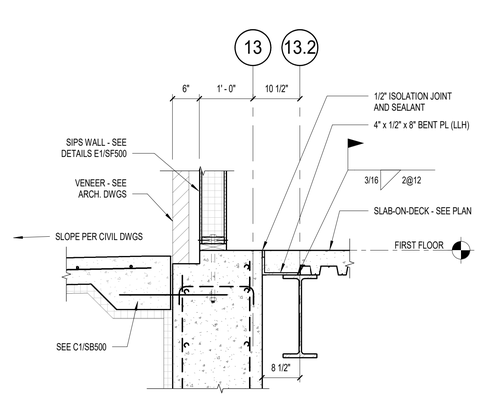
3/4" = 1'-0"



NOTE: COORDINATE SLAB DIMENSIONS REQUIRED WITH G.C.

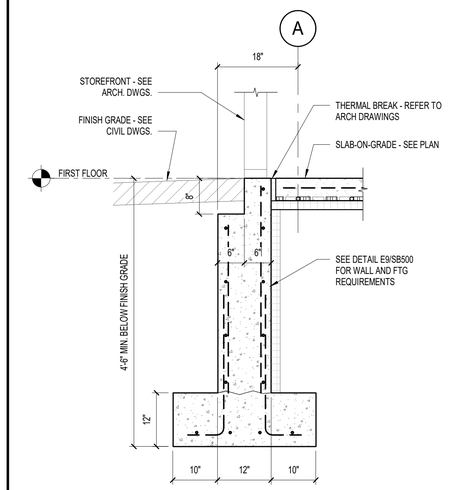
C4 | 8" SLAB UNDER FIRE PUMP

3/4" = 1'-0"



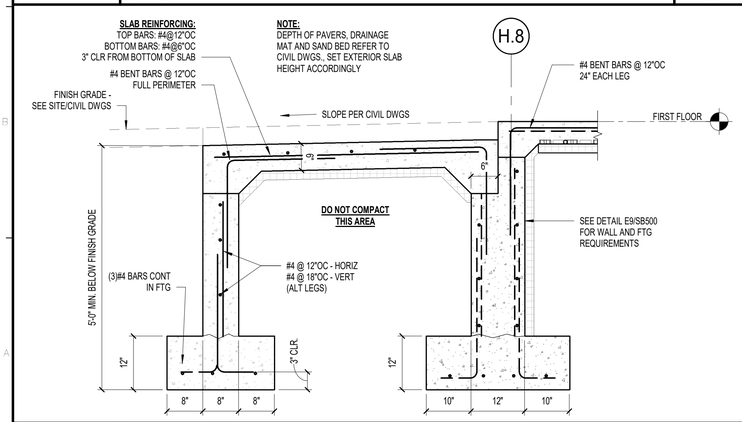
C6 | DETAIL

3/4" = 1'-0"



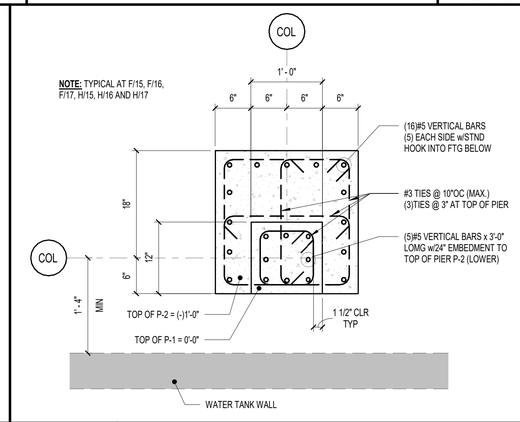
C9 | DETAIL

3/4" = 1'-0"



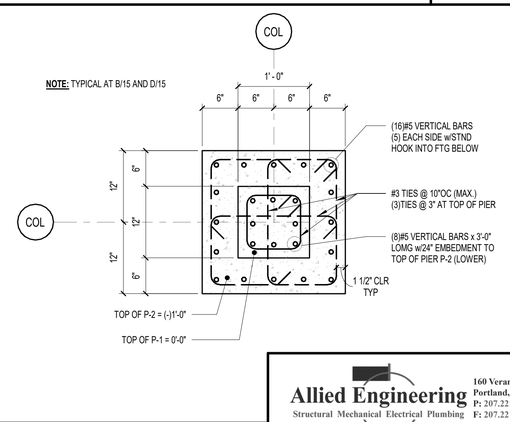
A1 | DETAIL

3/4" = 1'-0"



A4 | P-1 TO P-2 DETAILS

1" = 1'-0"



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION

ACADIA GATEWAY FACILITY

INTERMODAL AND WELCOME CENTER

STRUCTURAL – FOUNDATION DETAILS

SHEET NUMBER

SB500

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Allied Project No: 12069 | Cad File: 12069S.rvt

Username: | Division: | Date: | Filename:

FIRST FLOOR FRAMING PLAN NOTES:

1. TOP OF STEEL ELEVATION = -0'-5 1/2" UNLESS NOTED

D1 INDICATES SPAN OF 5 1/2" NORMAL WEIGHT CONCRETE SLAB ON 2" V-LOK DECK, 22 GA. w/6x6-W1.4xW1.4 WWM w/RADIANT HEAT TUBING

(#) INDICATES NUMBER OF 3/4"Ø x 3 1/2" WELDED SHEAR STUDS EQUALLY SPACED ALONG BEAM

** INDICATES BEAMS TO BE GALVANIZED

##k DENOTES ASD BEAM END REACTIONS

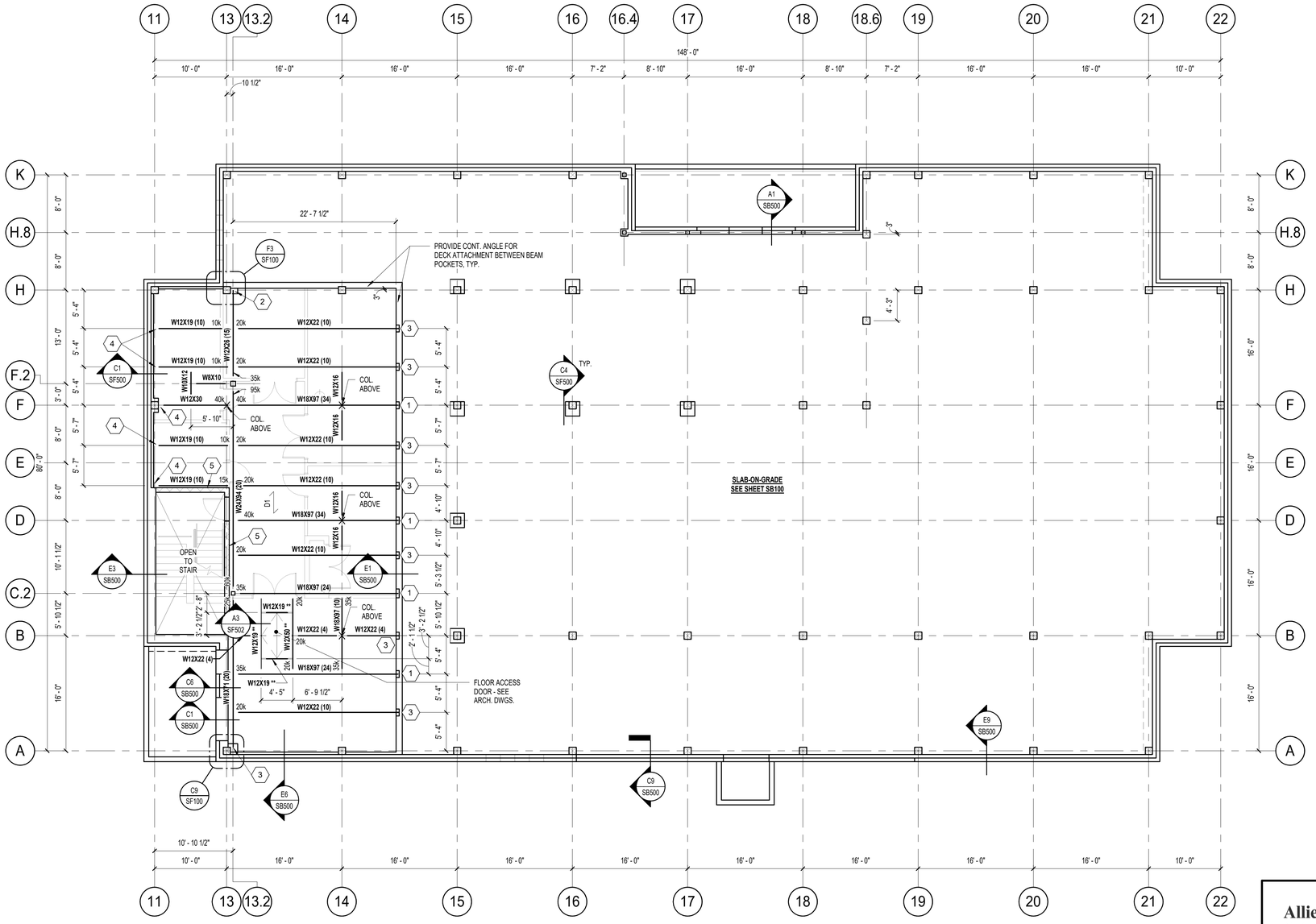
1 PROVIDE BEARING PL: 5" x 1 1/4" x 1'-1" - SEE DETAIL C3/S001

2 PROVIDE BEARING PL: 5" x 1" x 0'-7" - SEE DETAIL C3/S001

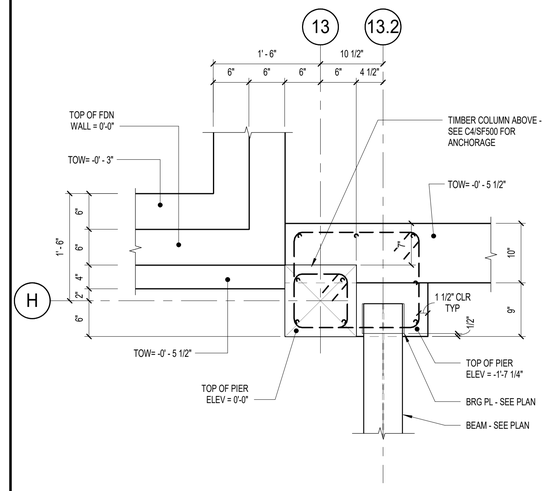
3 PROVIDE BEARING PL: 5" x 3/4" x 0'-10" - SEE DETAIL C3/S001

4 EMBED PLATE CONNECTION w/SHEAR TAB - SEE DETAIL C1/SF500

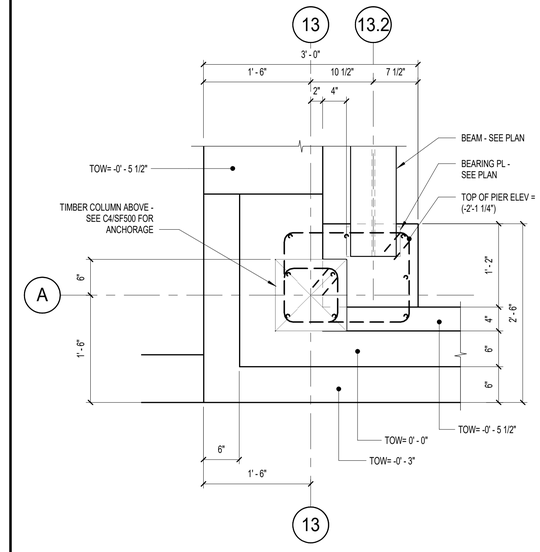
5 CONT. ANGLE - SEE DETAIL D9/SF500



A1	STRUCTURAL ~ FIRST FLOOR FRAMING PLAN
1/8" = 1'-0"	

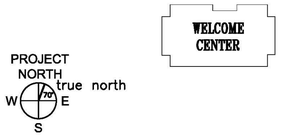


F3	TOP OF WALL DETAIL - H/13
1" = 1'-0"	



C9	TOP OF WALL DETAIL - A/13
1" = 1'-0"	

PROJECT KEY PLAN



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www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
PIN NO: 017163.02 & 017163.03	

STATE OF MAINE · WILLIAM P. FAUCHER · No. 7133 · REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

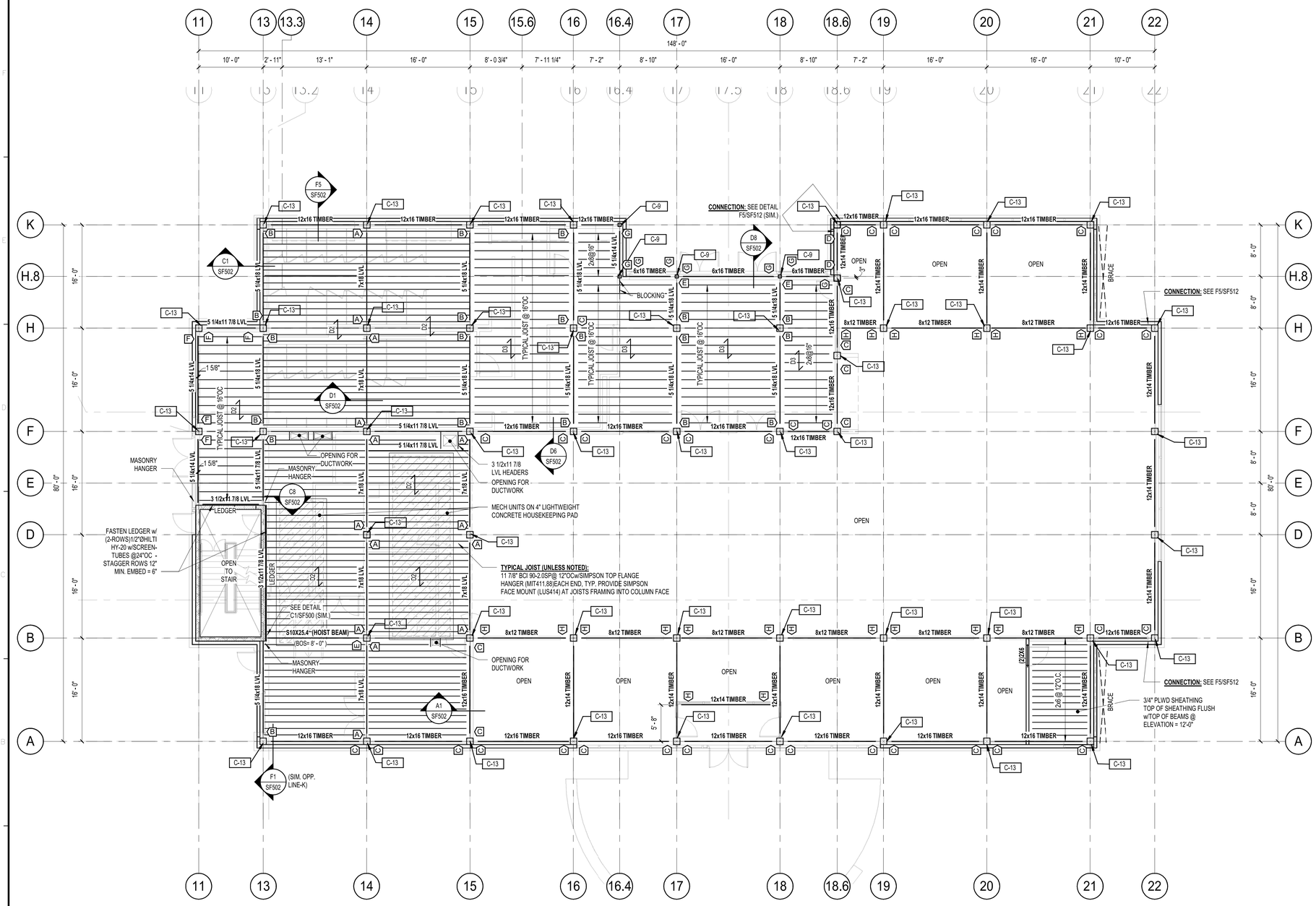
PROGRAM	
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – FIRST FLOOR FRAMING PLAN

SHEET NUMBER
SF100

Username: -- Division: -- Date: -- Filename: --



COLUMN SCHEDULE

MARK	SIZE
C-1	HSS6X6X5/8
C-2	HSS8X8X1/2
C-7	5 1/4 x 7 PSL
C-9	6 x 6 TIMBER
C-10	6 x 12 TIMBER
C-11	8x8 TIMBER
C-13	12x12 TIMBER

SECOND FLOOR FRAMING PLAN NOTES:

1. CAP STAIR SHAFT BETWEEN LINES 11 AND 13 w/ 4" CONCRETE SLAB ON 1 1/2" STEEL DECKING - SEE E1/SF200 FOR TOP OF SLAB ELEVATIONS.
2. PROVIDE 16"DEEP (MIN) BOND BEAM AT EACH FLOOR LEVEL AND AT TOP OF CMU WALLS - REINFORCE w/(2)#4 BARS CONTINUOUS, GROUT SOLID.
3. SIPS PANEL MANUFACTURER SHALL INCORPORATE JAMB, SILL AND HEADER SUPPORT FRAMING ABOVE WINDOWS, DOORS, OVERHEAD DOOR OPENINGS AND CURTAIN WALL OPENINGS. COORDINATE LOADING AND ATTACHMENT REQUIREMENTS w/G.C. AND COMPONENT MANUFACTURERS.

C-# INDICATES COLUMN TYPE

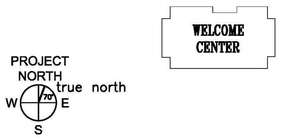
D2 INDICATES SPAN OF 2" LIGHTWEIGHT CONCRETE TOPPING ON 3/4" PLWD SHEATHING. TOTAL FLOOR THICKNESS = 2 3/4"

D3 INDICATES SPAN OF 3/4" PLWD SHEATHING. TOTAL FLOOR THICKNESS = 3/4"

INDICATES CONNECTION TYPE:

- A: SEE DETAIL F1/SF501
- B: SEE DETAIL F4/SF501
- C: SEE DETAIL D1/SF501
- D: SEE DETAIL D5/SF501
- E: SIMPSON HHUS7.25/10, OR EQUAL
- F: SIMPSON HUC05.25/11-SDS, OR EQUAL
- G: SIMPSON HUC0612-SDS, OR EQUAL
- H: SEE DETAIL D4/SF512

PROJECT KEY PLAN



A1	STRUCTURAL ~ SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"	

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
FED PIN NO: NA	
PIN NO: 017163.02 & 017163.03	

STATE OF MAINE
WILLIAM P. FAUCHER
NO. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

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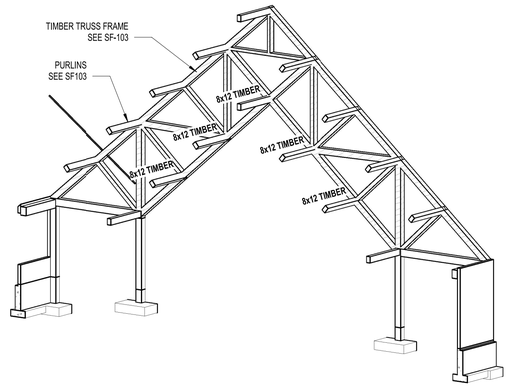
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

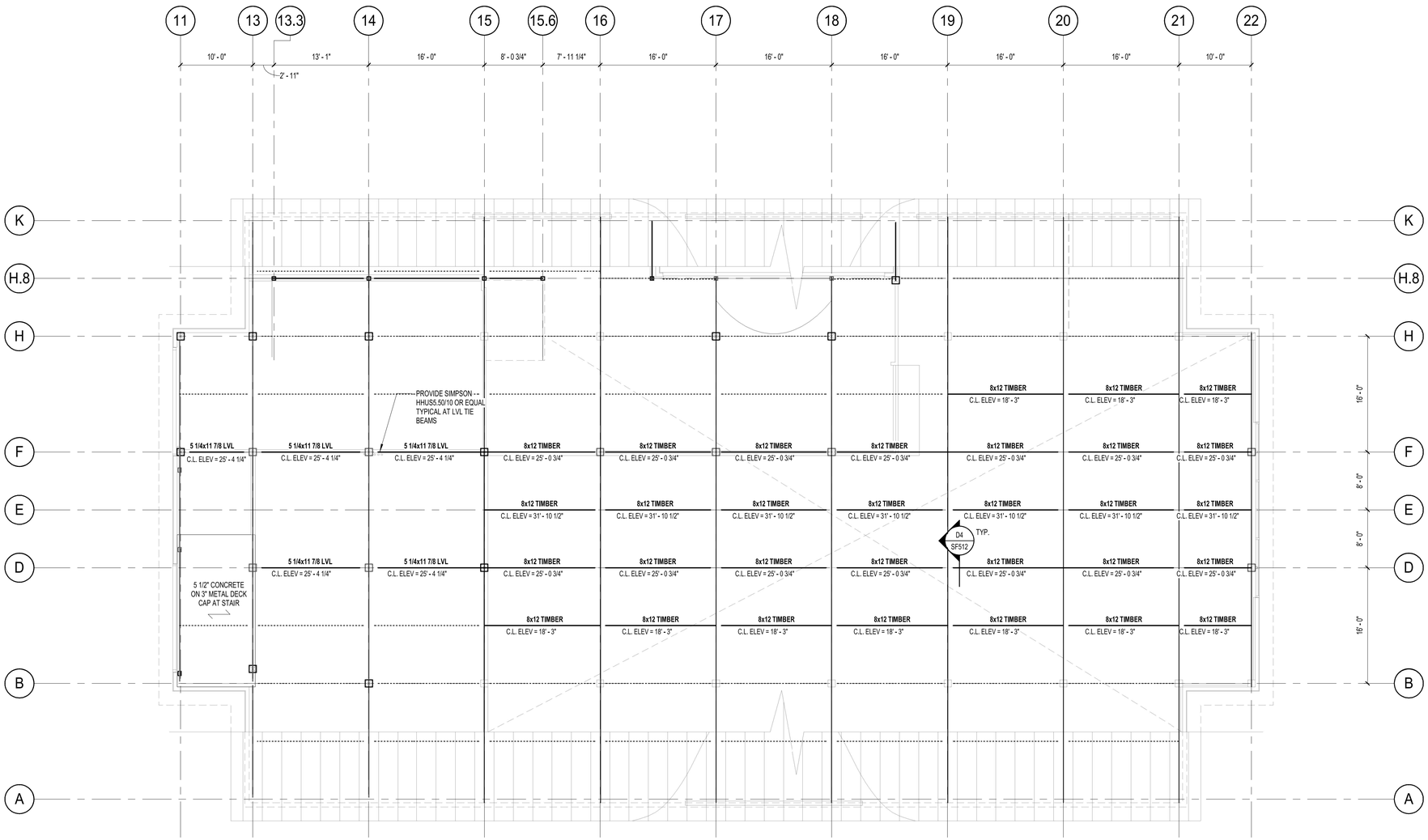
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – SECOND FLOOR FRAMING PLAN

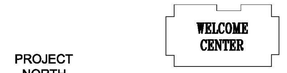
SHEET NUMBER
SF101

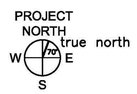
Username: – Division: – Date: – Filename: –





PROJECT KEY PLAN





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Allied Project No. 12069 | Cad File: 12069S.rvt

A1 | STRUCTURAL ~ BOTTOM CHORD TIE-BEAM PLAN
1/8" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
NO. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 7133
DATE JANUARY 17, 2022

PROJECT INFORMATION

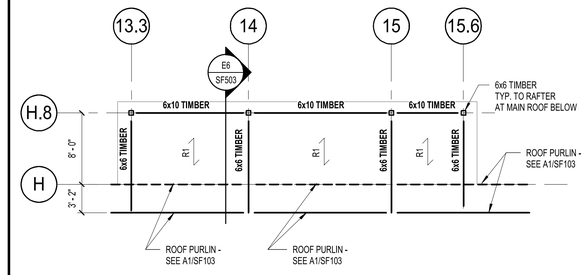
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

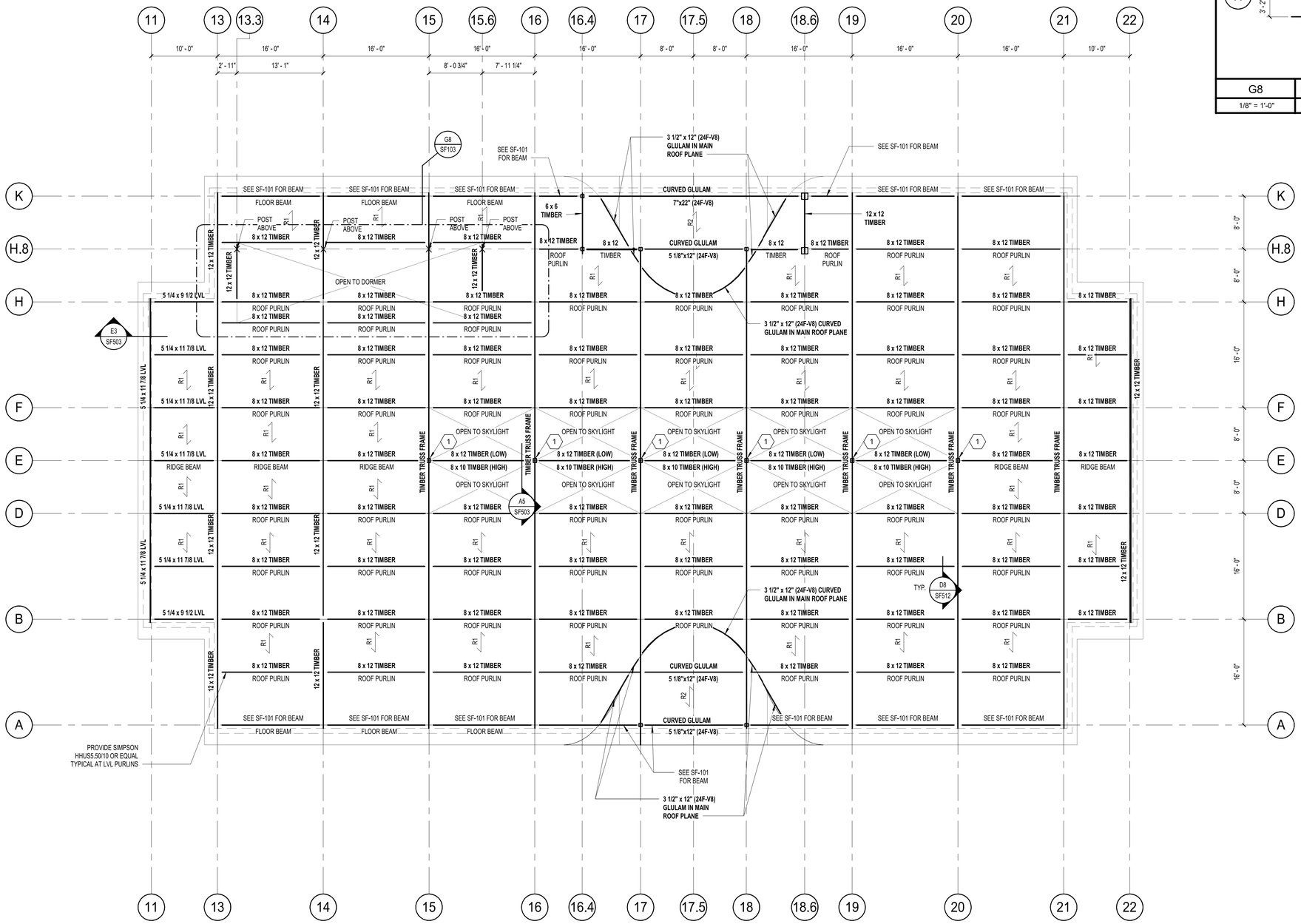
STRUCTURAL – MISC. FRAMING PLANS

SHEET NUMBER
SF102

Filename: – Date: – Division: – Username: –



G8	DORMER ROOF FRAMING PLAN
1/8" = 1'-0"	



ROOF FRAMING PLAN NOTES:

R1 — INDICATES SPAN OF 10" SIPS ROOF PANELS

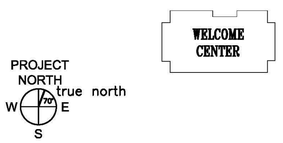
R2 — INDICATES SPAN OF 10" SIPS ROOF PANELS (CURVED OR NARROW)

1 — INDICATES 6x8 TIMBER POST ABOVE TOP CHORD FOR SKYLIGHT SUPPORT FRAMING

1. GLULAM FRAMING CONNECTIONS PROVIDED BY GLULAM MANUFACTURER

A1	STRUCTURAL ~ ROOF FRAMING PLAN
1/8" = 1'-0"	

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
PIN NO: 017163.02 & 017163.03	

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

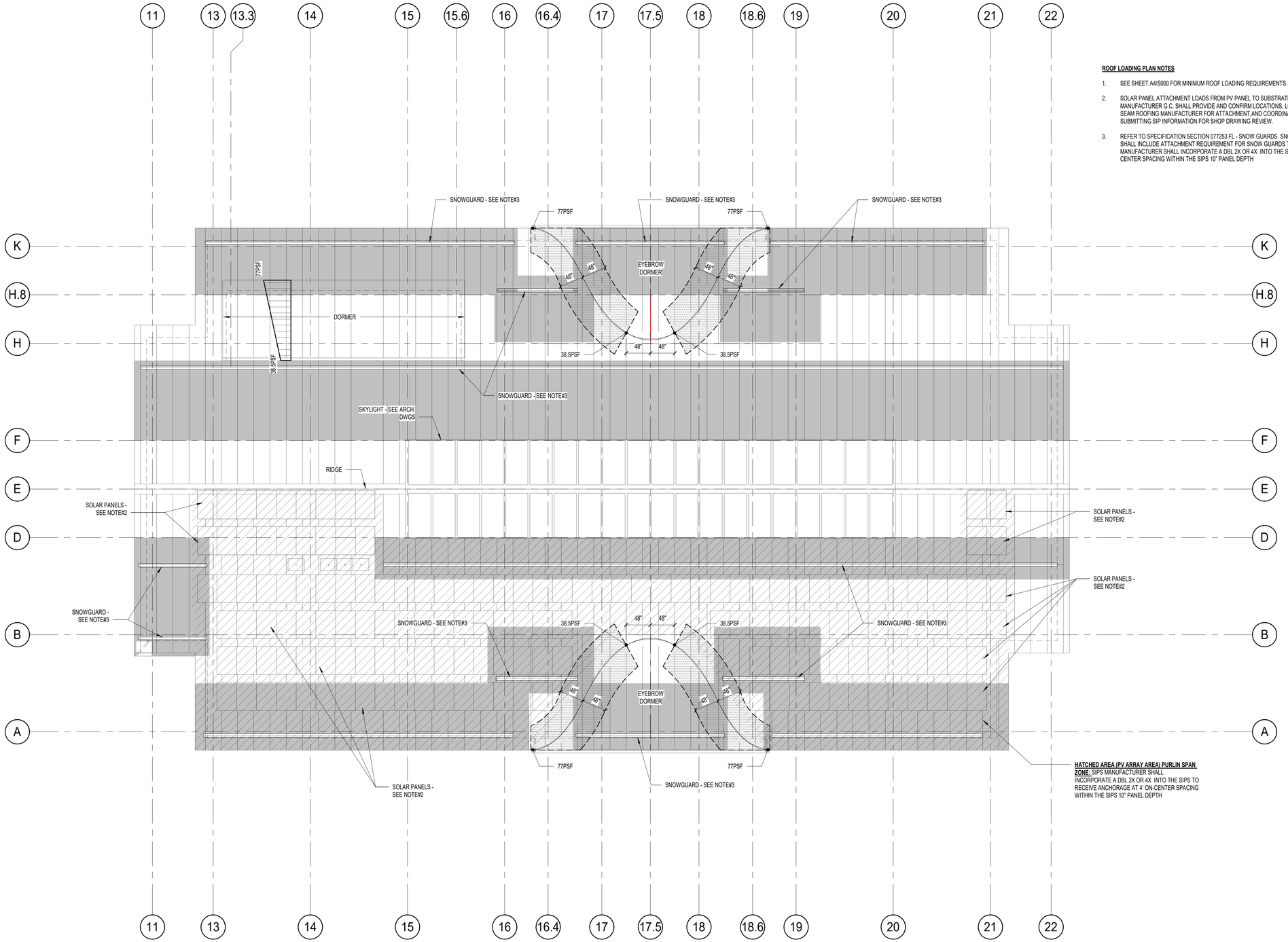
DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER
STRUCTURAL – ROOF FRAMING PLAN

SHEET NUMBER
SF103

Username: –
Division: –
Date: –
Filename: –



ROOF LOADING PLAN NOTES

1. SEE SHEET A4/S000 FOR MINIMUM ROOF LOADING REQUIREMENTS.
2. SOLAR PANEL ATTACHMENT LOADS FROM PV PANEL TO SUBSTRATE MATERIAL SHALL BE SUPPLIED BY PV MANUFACTURER G.C. SHALL PROVIDE AND CONFIRM LOCATIONS, LOADS, COORDINATE WITH STANDING SEAM ROOFING MANUFACTURER FOR ATTACHMENT,AND COORDINATE WITH SIP MANUFACTURER WHEN SUBMITTING SIP INFORMATION FOR SHOP DRAWING REVIEW.
3. REFER TO SPECIFICATION SECTION 077253 FL - SNOW GUARDS. SNOW GUARD SUBMITTAL CALCULATIONS SHALL INCLUDE ATTACHMENT REQUIREMENT FOR SNOW GUARDS TO SIPS ROOF PANELS. SIPS MANUFACTURER SHALL INCORPORATE A DBL 2X OR 4X INTO THE SIPS TO RECEIVE ANCHORAGE AT 4' ON-CENTER SPACING WITHIN THE SIPS 10" PANEL DEPTH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
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SIGNATURE

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CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
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MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – ROOF LOADING PLAN

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SHEET NUMBER
SF104

A1	STRUCTURAL ~ ROOF SIPS FASTENING AND LOADING PLAN
1/8" = 1'-0"	

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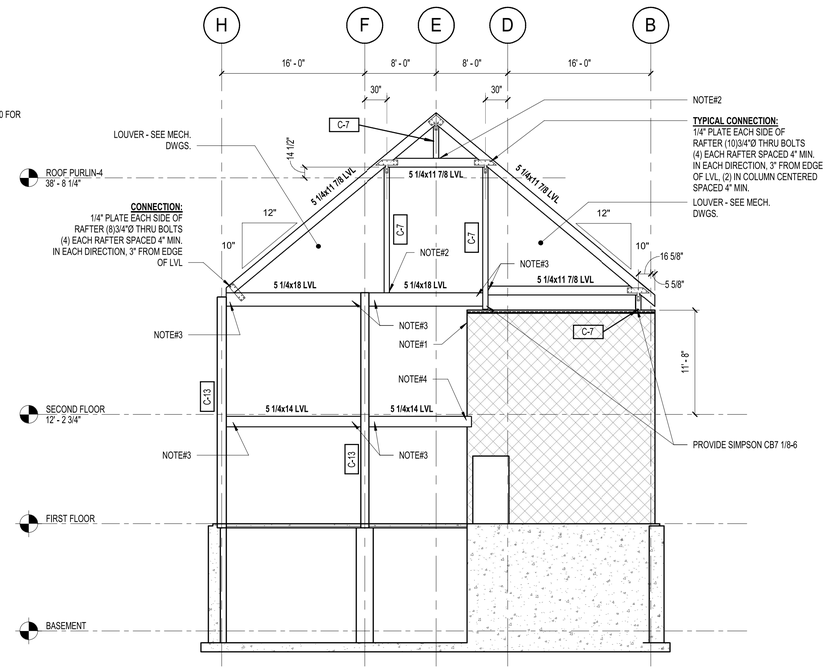
Allied Project No: 12069 | Cad File: 12069S.rvt

Username: -
Division: -
Date: -
Filename: -

NOTE:

1. PROVIDE SIMPSON MBHU5.5/14KT
2. PROVIDE SIMPSON BC6
3. PROVIDE SIMPSON HUCQ612-SDS

C-# INDICATES COLUMN TYPE - SEE E9/SB100 FOR COLUMN SCHEDULE

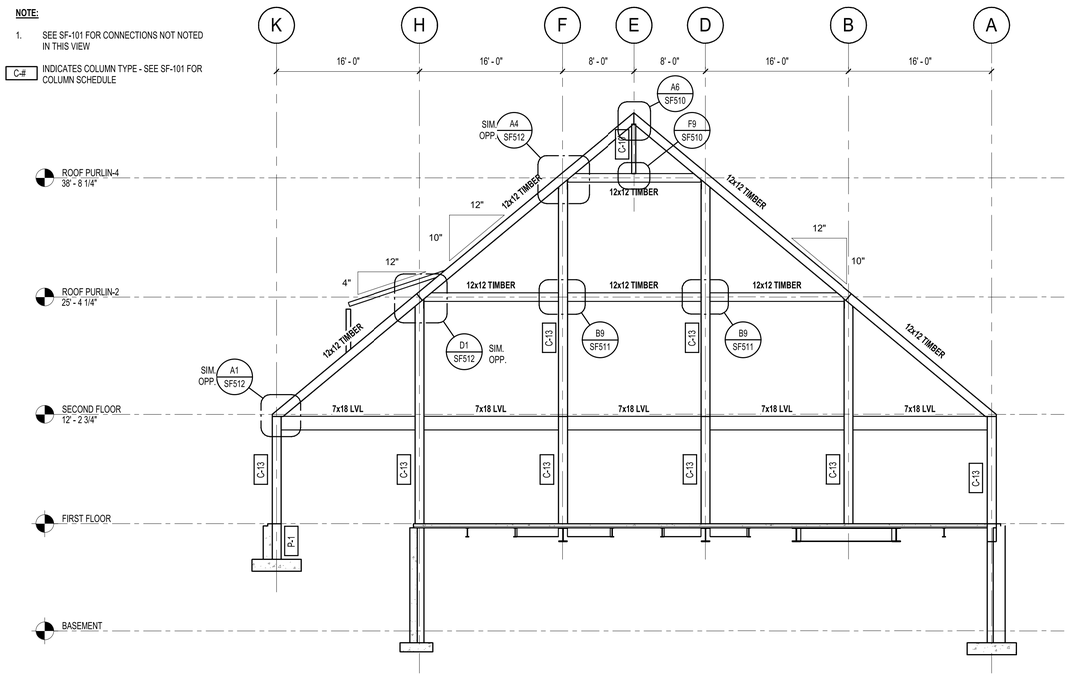


E1	ELEVATION LINE-11
1/8" = 1'-0"	

NOTE:

1. SEE SF-101 FOR CONNECTIONS NOT NOTED IN THIS VIEW

C-# INDICATES COLUMN TYPE - SEE SF-101 FOR COLUMN SCHEDULE

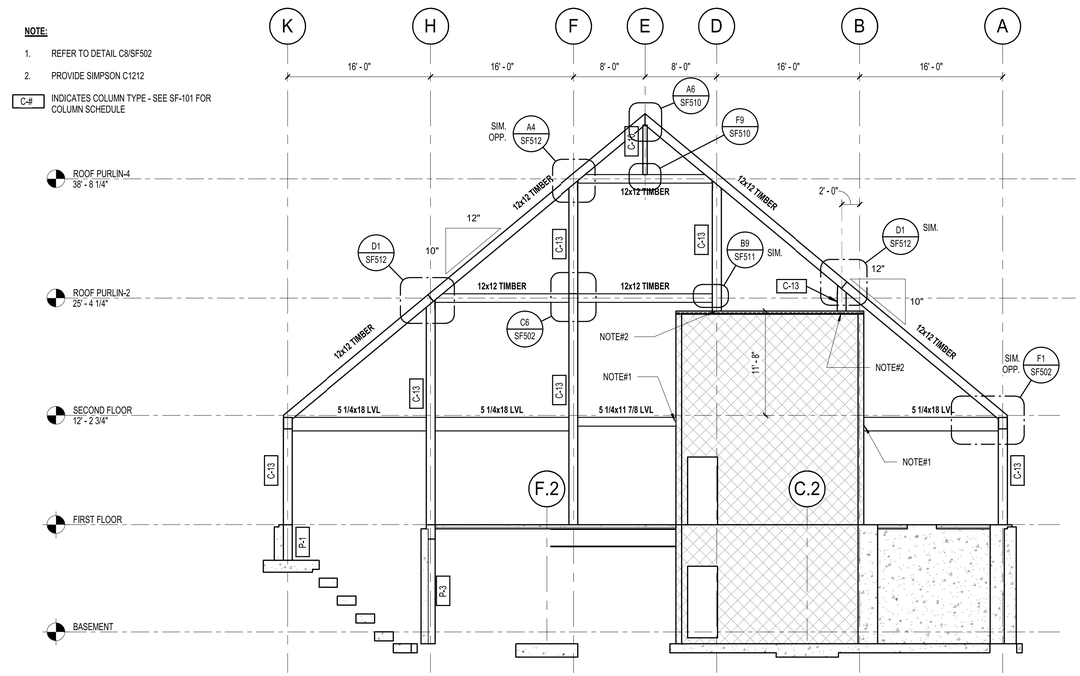


E6	ELEVATION LINE-14
1/8" = 1'-0"	

NOTE:

1. REFER TO DETAIL C8/SF502
2. PROVIDE SIMPSON C1212

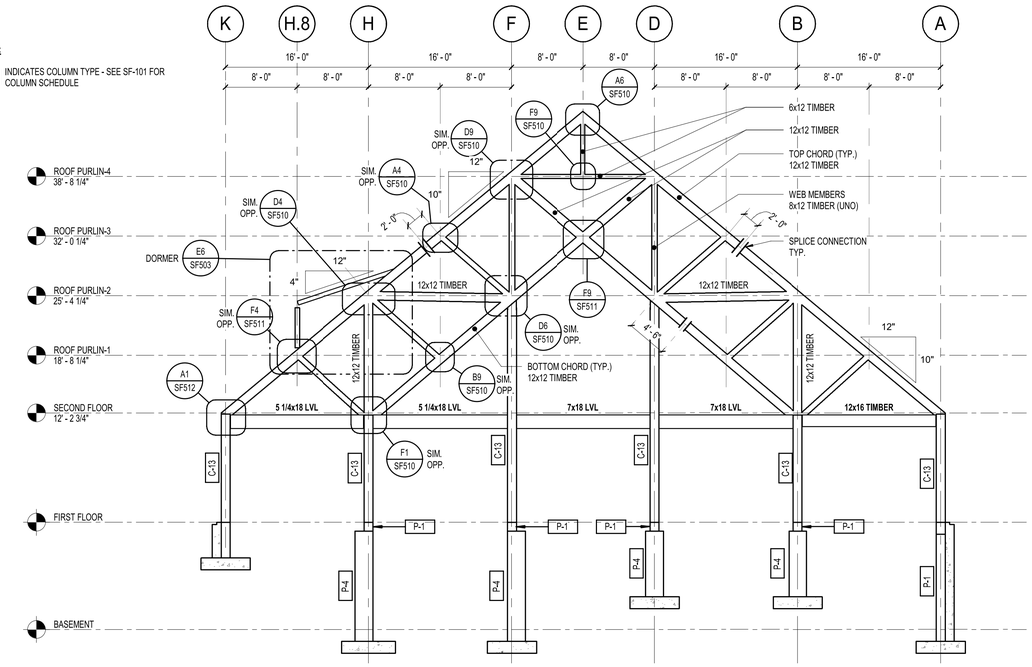
C-# INDICATES COLUMN TYPE - SEE SF-101 FOR COLUMN SCHEDULE



A1	ELEVATION LINE-13
1/8" = 1'-0"	

NOTE:

C-# INDICATES COLUMN TYPE - SEE SF-101 FOR COLUMN SCHEDULE



B6	ELEVATION LINE-15
1/8" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE WILLIAM P. FAUCHER No. 7133 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	–	
PROJECT MANAGER	–	AECOM
DESIGNER	–	
CONSULTANT	–	ALLIED ENGINEERING
PROJECT RESIDENT	–	
CONTRACTOR	–	
PROJECT COMPLETION DATE	–	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – FRAMING ELEVATIONS

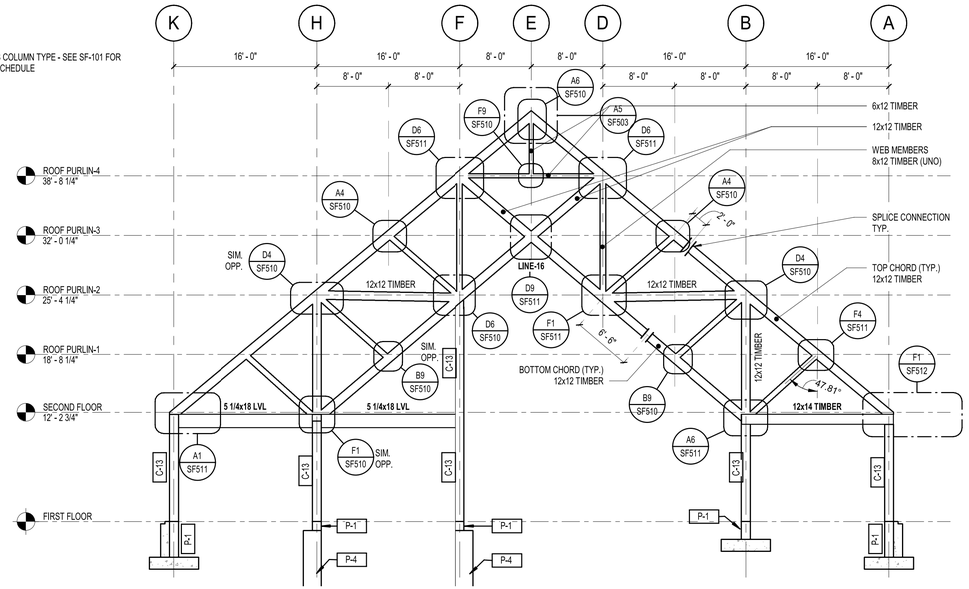
SHEET NUMBER
SF200

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

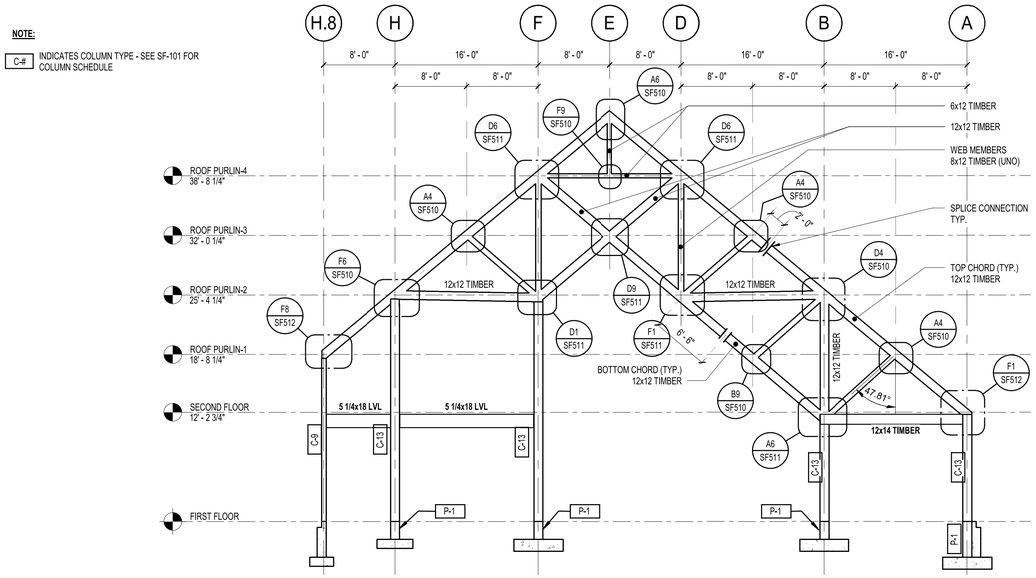
Allied Project No: 12069 | Cad File: 12069S.rvt

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

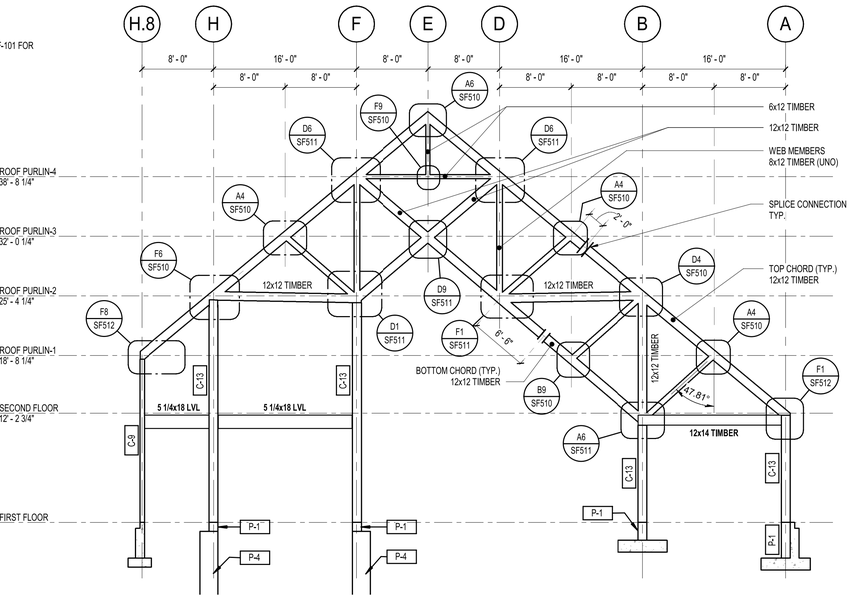
Username: – Division: – Date: – Filename: –



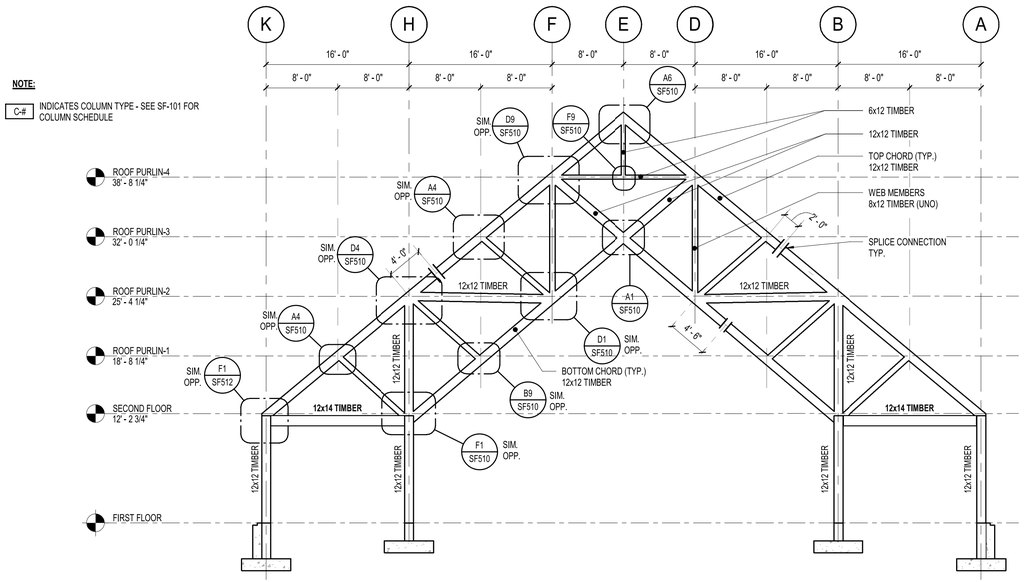
E1	ELEVATION LINE-16
1/8" = 1'-0"	



E6	ELEVATION LINE-18
1/8" = 1'-0"	



A1	ELEVATION LINE-17
1/8" = 1'-0"	



B6	ELEVATION LINE-19
1/8" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
NO. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION

ACADIA GATEWAY FACILITY

INTERMODAL AND WELCOME CENTER

STRUCTURAL – FRAMING ELEVATIONS

SHEET NUMBER

SF201

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

Allied Project No. 12069 | Cad File: 12069S.rvt

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
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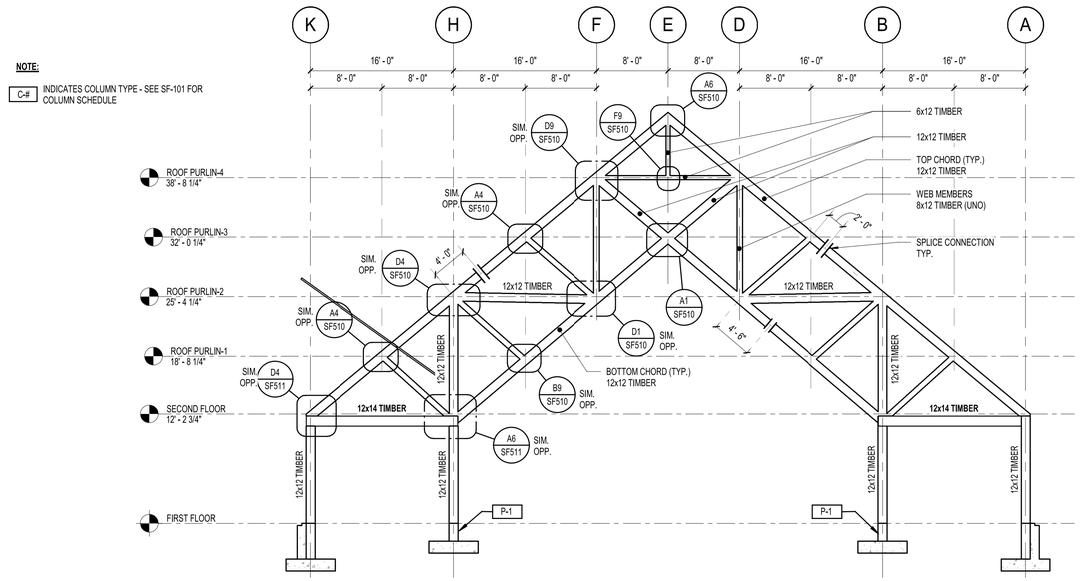
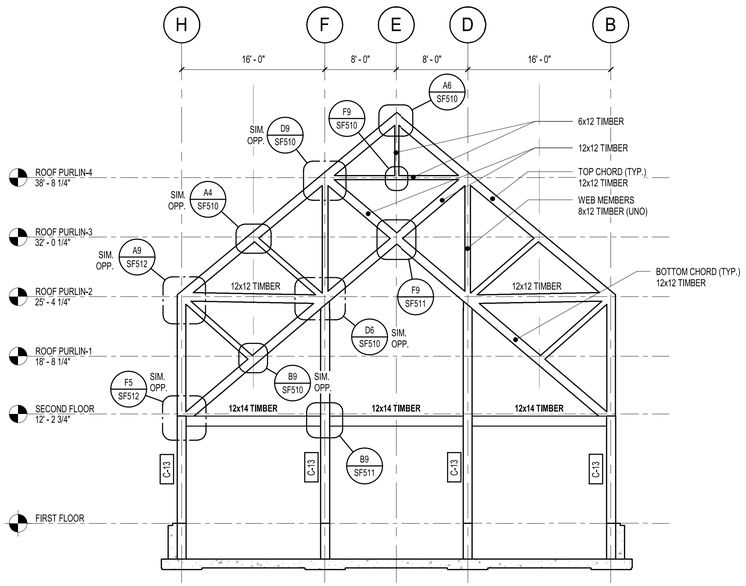
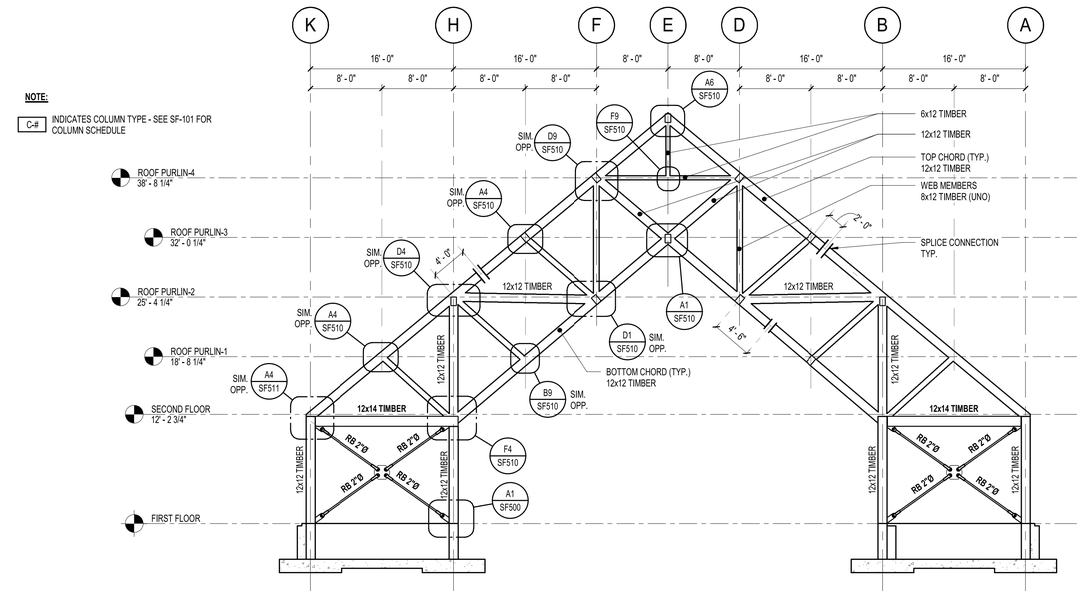


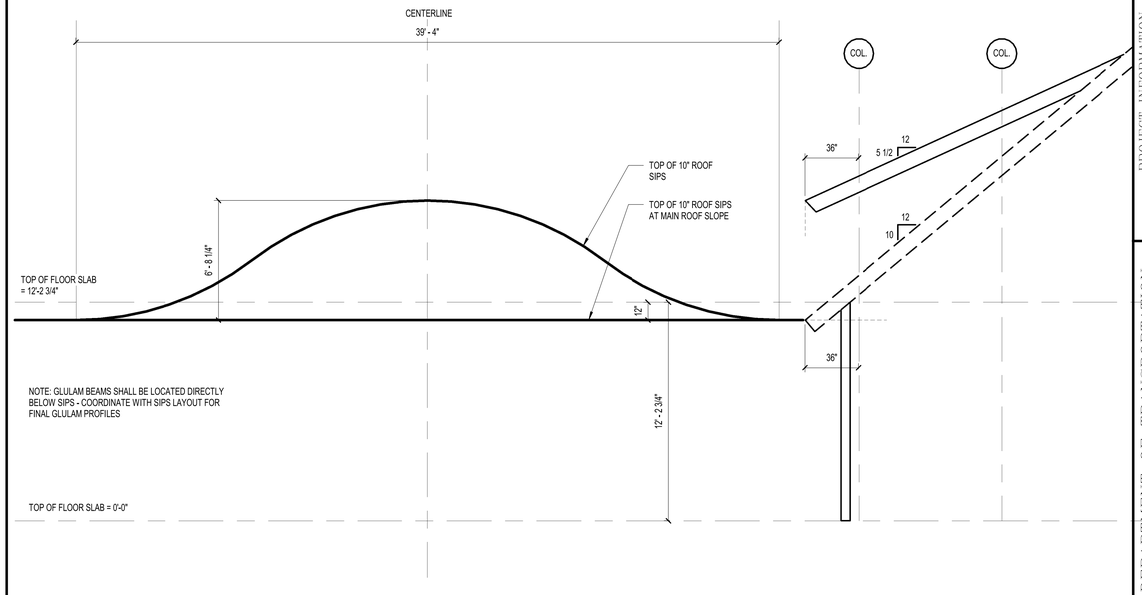
E1	ELEVATION LINE-20
1/8" = 1'-0"	



E6	ELEVATION LINE-22
1/8" = 1'-0"	



A1	ELEVATION LINE-21
1/8" = 1'-0"	



B6	EYEBROW DORMER LAYOUT SCHEMATIC

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

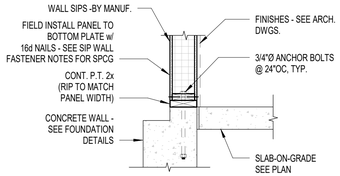
PROJECT INFORMATION		
PROGRAM	–	
PROJECT MANAGER	–	AECOM
DESIGNER		
CONSULTANT		ALLIED ENGINEERING
PROJECT RESIDENT	–	
CONTRACTOR	–	
PROJECT COMPLETION DATE	–	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

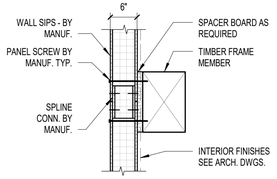
STRUCTURAL – FRAMING ELEVATIONS

SHEET NUMBER
SF202

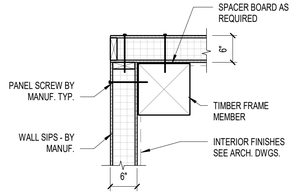
Filename: – Division: – Date: – Username: –



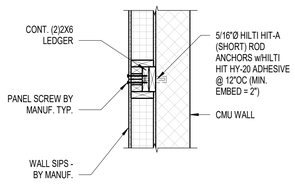
TYPICAL AT WALL PANEL ATTACHMENT TO FOUNDATION WALL
(SECTION VIEW)



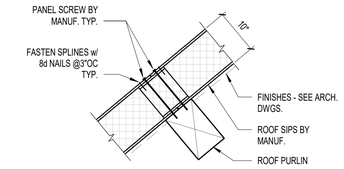
TYPICAL AT WALL GIRT
(SIM. AT PLANVIEW OF TIMBER FRAME COLUMN)



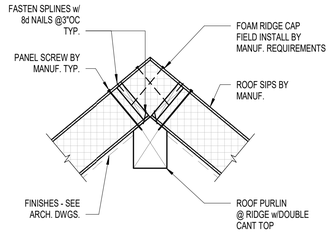
TYPICAL AT TIMBER FRAME COLUMN AT CORNER
(PLAN VIEW)



TYPICAL AT CMU WALL
(SECTION VIEW)



TYPICAL AT ROOF PURLIN
(SECTION VIEW)



TYPICAL AT RIDGE
(SECTION VIEW)

MIN. SIP FASTENER REQUIREMENTS:

1. PROVIDE #14 PANELS SCREWS @ 3"OC AT DIAPHRAGM BOUNDARIES.
2. SEE SPEC SECTION 061600 FOR SIP FASTENER INFORMATION AND SIP SHOP DRAWING SUBMITTAL REQUIREMENTS.

SIP ROOF FASTENERS:

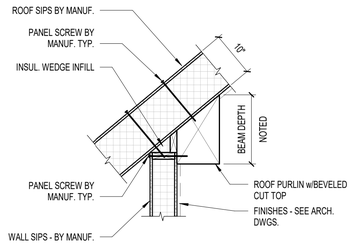
1. #14 PANEL SCREWS @ 4"OC IN ALL ZONES WITHIN 14'-0" FROM ROOF RIDGE OR ROOF EDGES.
2. #14 PANEL SCREWS @ 12"OC (TYPICAL WITHIN ROOF INTERIOR ZONE)

SIP WALL FASTENERS:

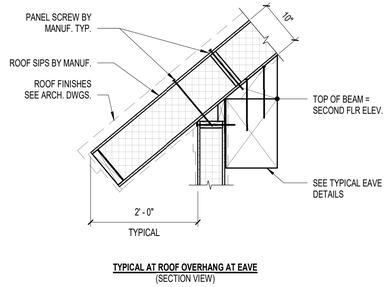
1. #14 PANEL SCREWS @ 12"OC (TYPICAL WITHIN WALL INTERIOR ZONE)
2. #14 PANEL SCREW @ 6"OC IN ALL ZONES WITHIN 8'-0" FROM BUILDING ANY CORNER, UNLESS NOTED

NOTES:

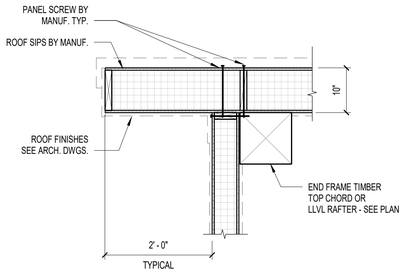
1. BLOCKING WITHIN PANELS SHALL BE DETERMINED BY SIPS PANEL MANUFACTURER
2. REFER TO SHEET SF104 FOR ROOF LOADING REQUIREMENTS INCLUDING NOTES 2 AND 3 FOR COORDINATION w/SNOW GUARDS AND PV ARRAY ASSEMBLIES



TYPICAL AT ROOF EAVE
(SECTION VIEW)

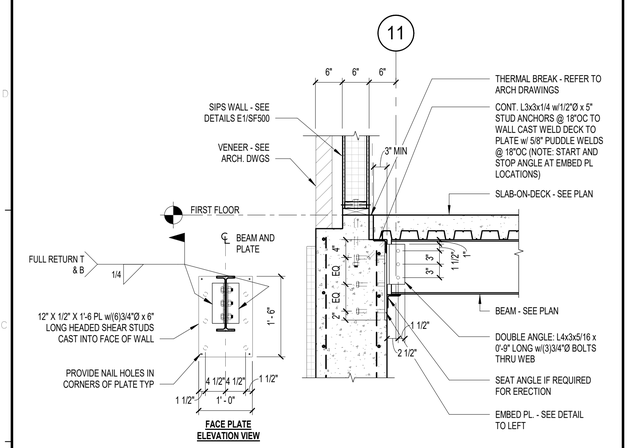


TYPICAL AT ROOF OVERHANG AT EAVE
(SECTION VIEW)



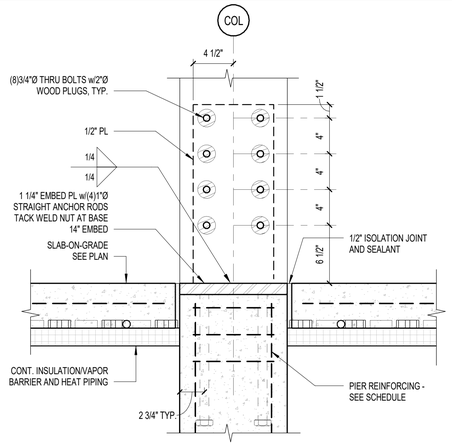
TYPICAL AT ROOF OVERHANG AT RAKE
(SECTION VIEW)

E1	TYPICAL SIPS CONNECTION DETAILS
3/4" = 1'-0"	



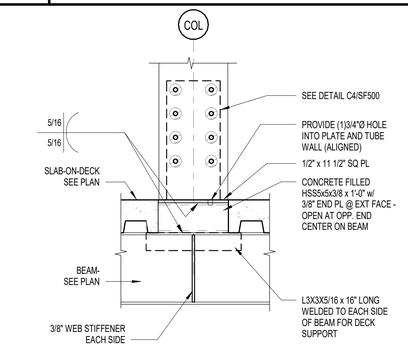
FACE PLATE ELEVATION VIEW

C1	TYPICAL EMBED PL DETAIL
3/4" = 1'-0"	

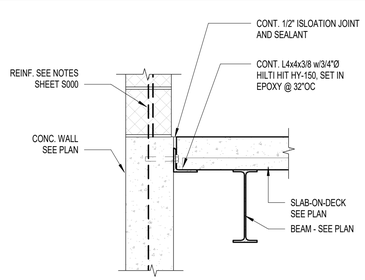


C4	TIMBER POST BASE DETAIL AT PIER
1 1/2" = 1'-0"	

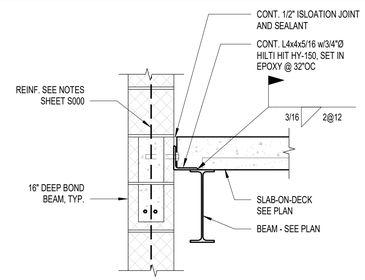
A1	TIMBER POST BASE DETAIL AT BRACE ROD
1" = 1'-0"	



A4	TIMBER POST BASE DETAIL AT WF BEAM
1" = 1'-0"	



D6	ANGLE TO WALL
1" = 1'-0"	



D9	ANGLE TO CMU AT BEAM
1" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – DETAILS

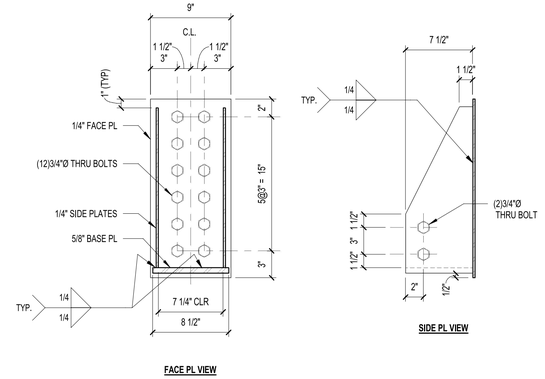
SHEET NUMBER
SF500

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

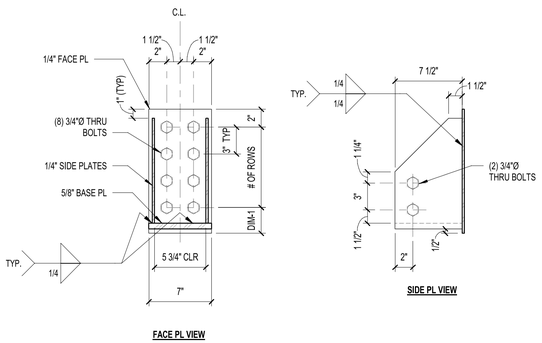
AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Allied Project No: 12069 | Cad File: 12069S.rvt

Username: -
Division: -
Date: -
Filename: -

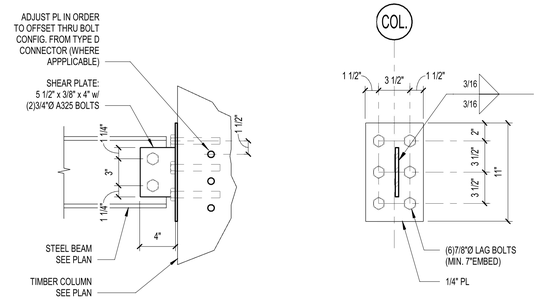


F1	TYPE A CONNECTOR - BEAM TO COL
1 1/2" = 1'-0"	

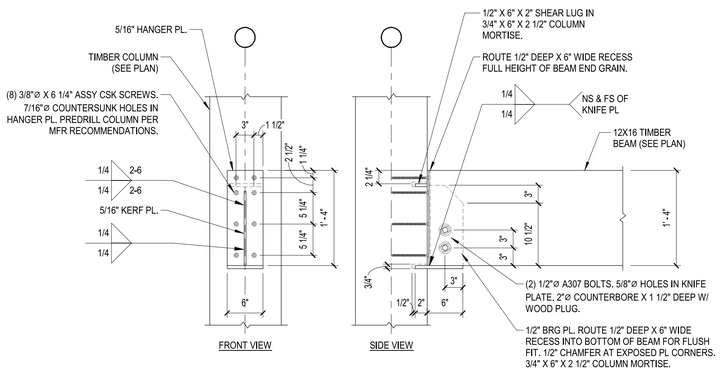


TYPE "B" CONNECTOR		
BEAM SIZE (LVL)	FACE PLATE DIM-1	# OF ROWS OF BOLTS
5 1/4" x 11 7/8"	2 7/8"	4
5 1/4" x 14"	5"	4
5 1/4" x 16"	4"	5
5 1/4" x 18"	3"	6

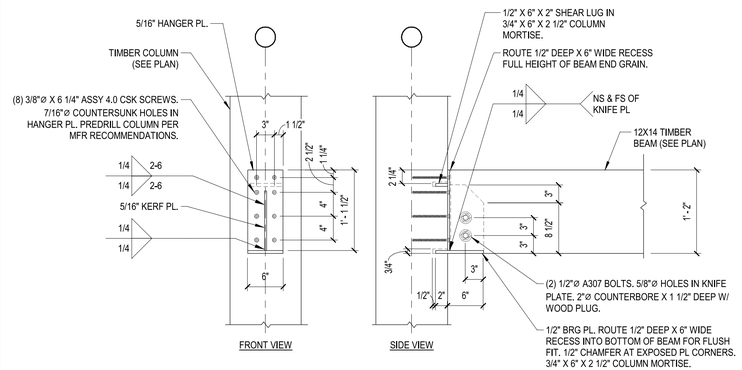
F4	TYPE B CONNECTOR BEAM TO COL
1 1/2" = 1'-0"	



F8	TYPE E CONNECTOR: BEAM TO COL
1 1/2" = 1'-0"	



D1	TYPE C CONNECTOR - 12X16 BEAM TO COLUMN CONNECTION
1" = 1'-0"	



D5	TYPE D CONNECTOR - 12X14 BEAM TO COLUMN CONNECTION
1" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

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STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER
7133

DATE
JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	–
PROJECT MANAGER	–
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CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – DETAILS

SHEET NUMBER
SF501

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
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Allied Project No: 12069 | Cad File: 12069S.rvt

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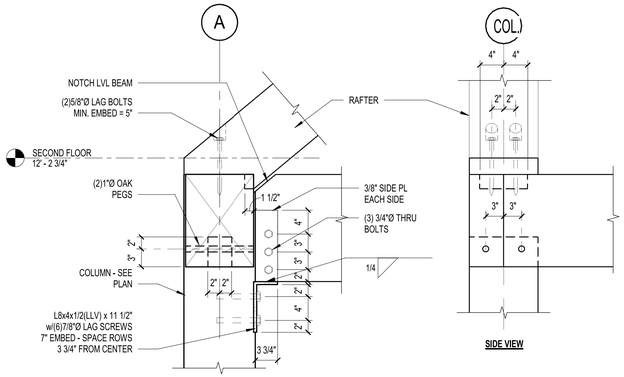
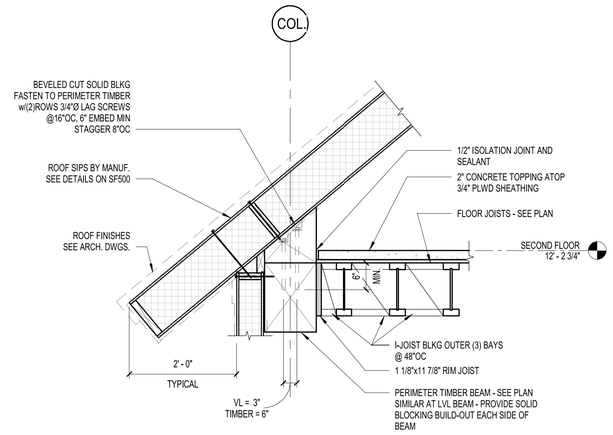


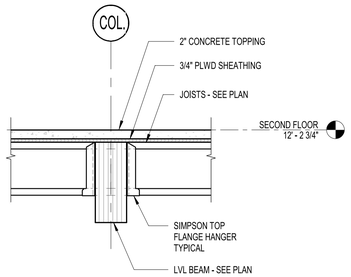
F1 DETAIL

1" = 1'-0"



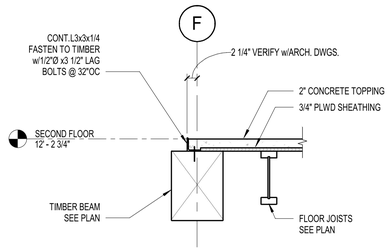
F5 DETAIL

3/4" = 1'-0"



D1 DETAIL

3/4" = 1'-0"



D6 DETAIL

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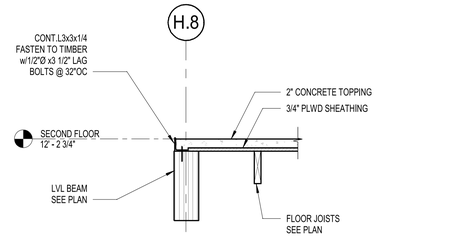
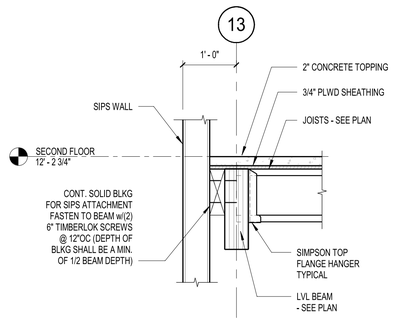


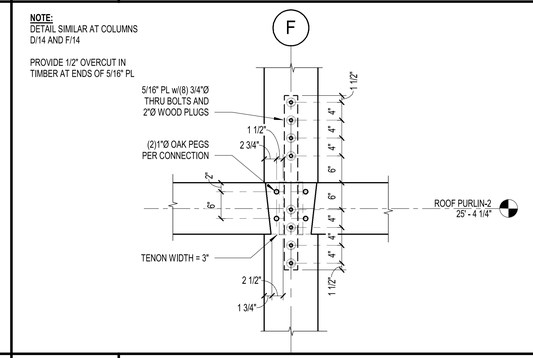
D8 DETAIL

3/4" = 1'-0"



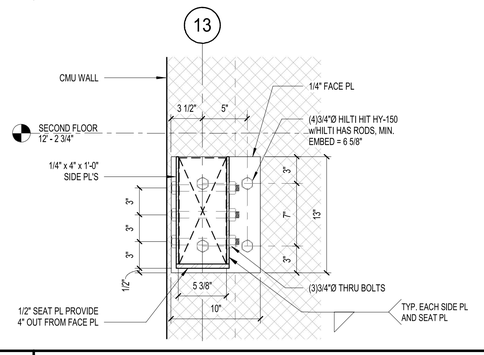
C1 DETAIL

3/4" = 1'-0"



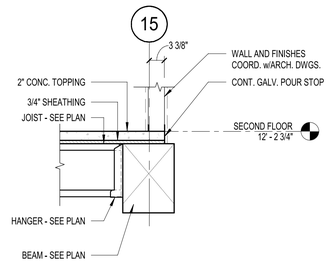
C6 DETAIL

3/4" = 1'-0"



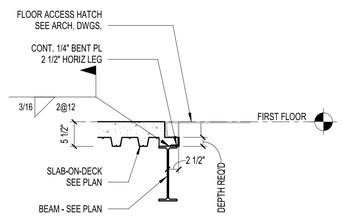
C8 MASONRY HANGER CONNECTION

1 1/2" = 1'-0"



A1 DETAIL

3/4" = 1'-0"



A3 DETAIL AT PERIMETER OF FLOOR HATCH

3/4" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	–	–
PROJECT MANAGER	–	AECOM
DESIGNER	–	–
CONSULTANT	–	ALLIED ENGINEERING
PROJECT RESIDENT	–	–
CONTRACTOR	–	–
PROJECT COMPLETION DATE	–	–

MAINE DEPARTMENT OF TRANSPORTATION

ACADIA GATEWAY FACILITY

INTERMODAL AND WELCOME CENTER

STRUCTURAL – DETAILS

SHEET NUMBER

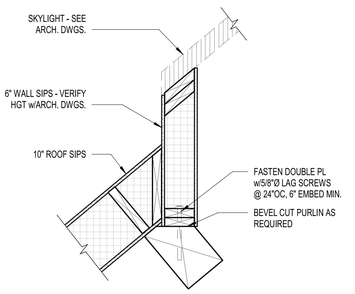
SF502

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

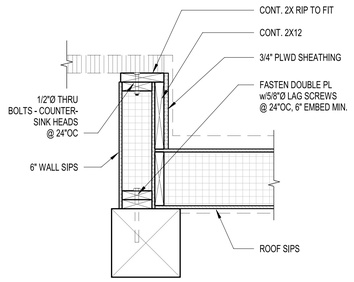
AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Allied Project No. 12069 | Cad File: 12069S.rvt

Username: –
Division: –
Date: –
Filename: –

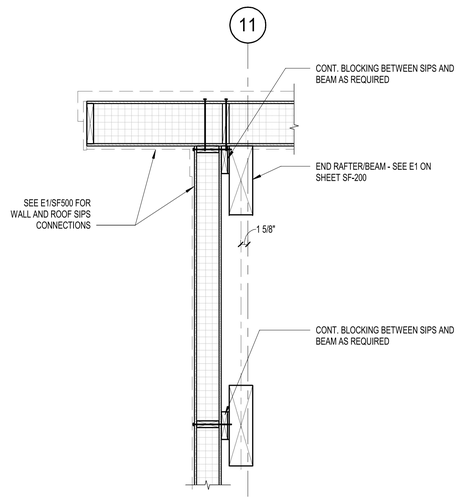


AT CURB

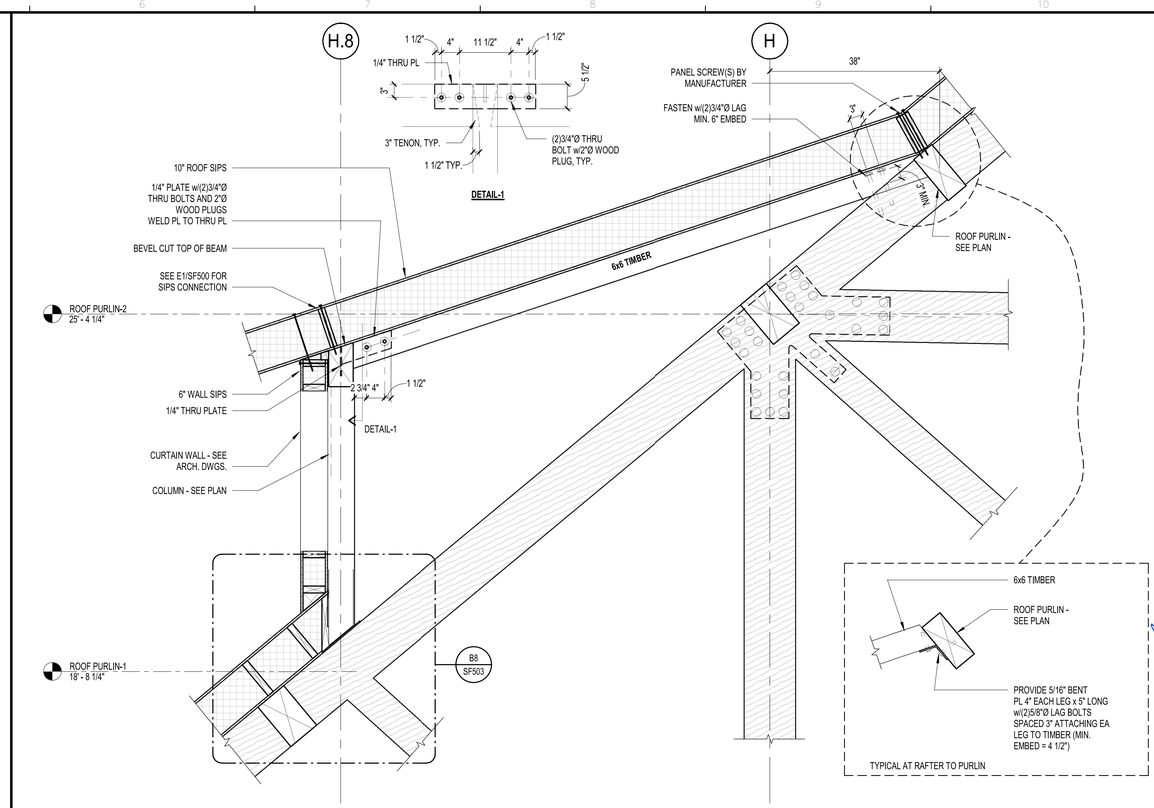


AT GABLE END CURB

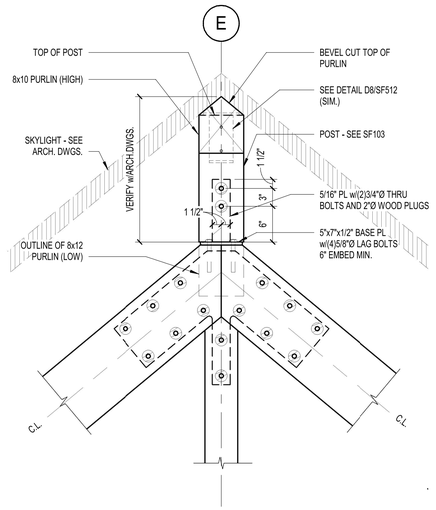
E1	SKYLIGHT DETAILS
1" = 1'-0"	



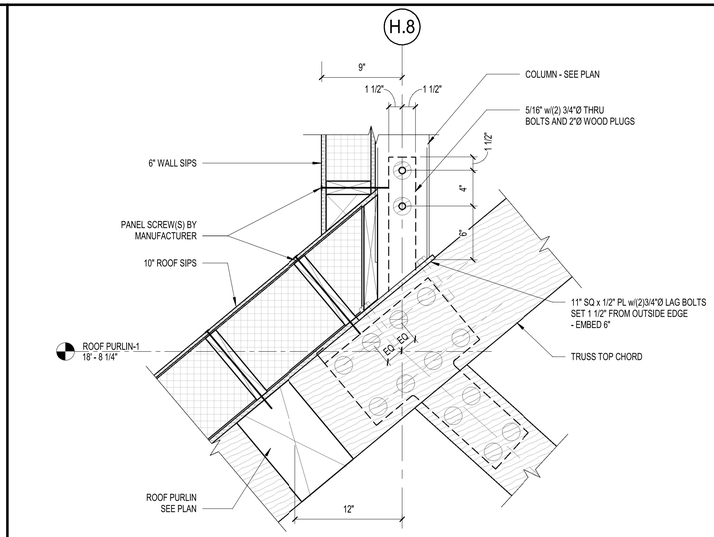
E3	DETAIL
3/4" = 1'-0"	



E6	DETAIL AT DORMER
3/4" = 1'-0"	



A5	DETAIL AT RIDGE - SKYLIGHT SUPPORT
1" = 1'-0"	



B8	DETAIL
1 1/2" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

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STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
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SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

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DESIGNER		
CONSULTANT		ALLIED ENGINEERING
PROJECT RESIDENT	–	
CONTRACTOR	–	
PROJECT COMPLETION DATE		–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

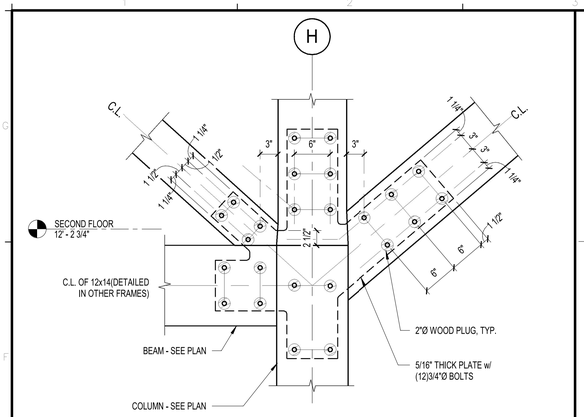
STRUCTURAL – DETAILS

SHEET NUMBER
SF503

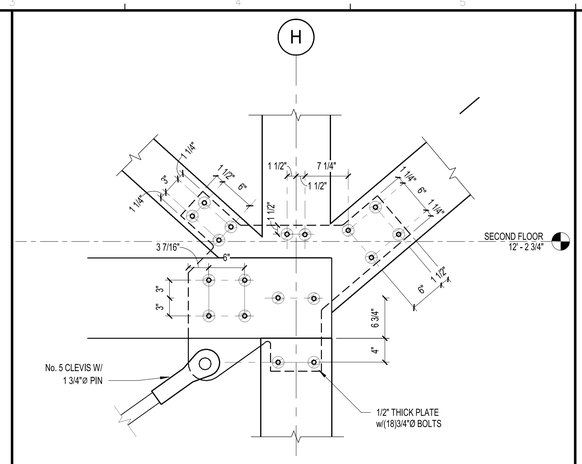
Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com
Allied Project No: 12069 | Cad File: 12069S.rvt

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Filename: – Division: – Date: – Username: –



F1	CONNECTION DETAIL
1" = 1'-0"	



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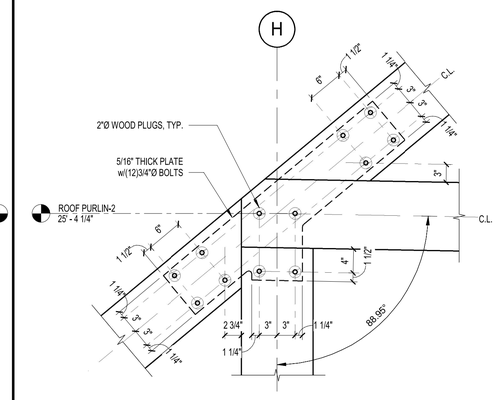
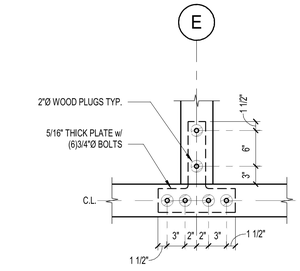
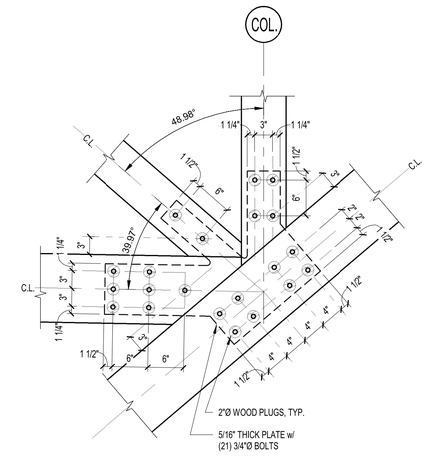


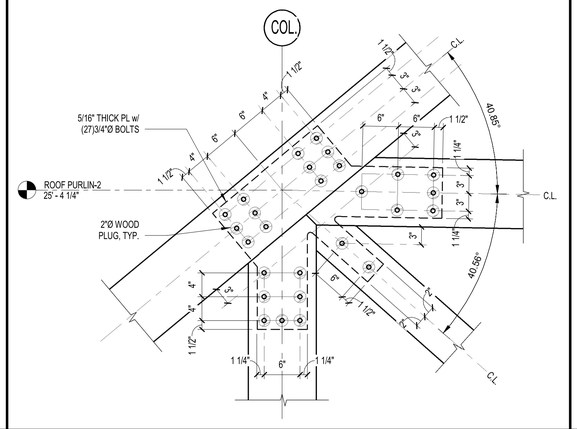
F6	CONNECTION DETAIL
1" = 1'-0"	



F9	CONNECTION DETAIL
1" = 1'-0"	



D1	CONNECTION DETAIL
1" = 1'-0"	



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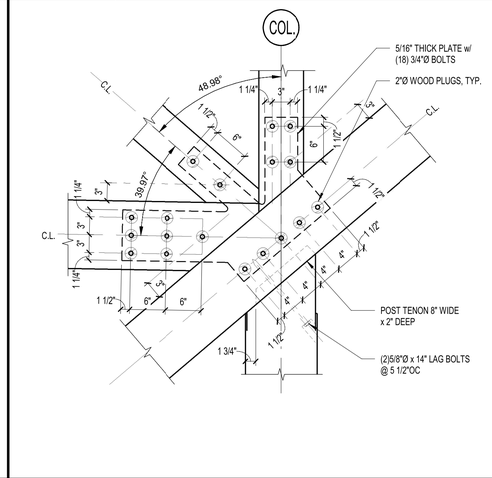

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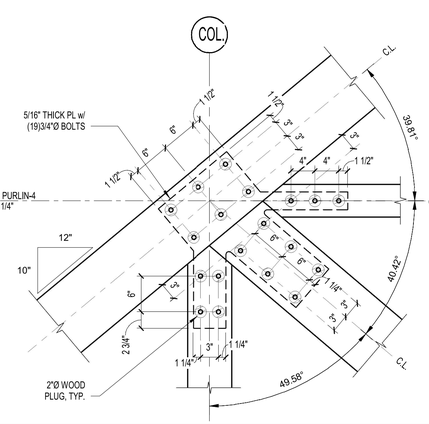
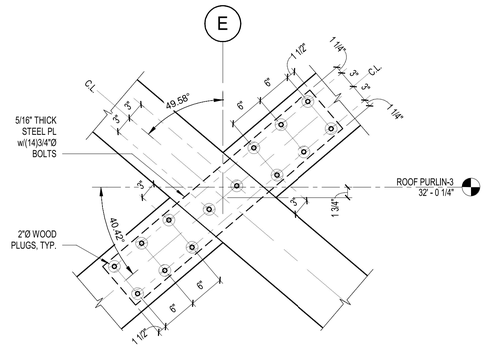
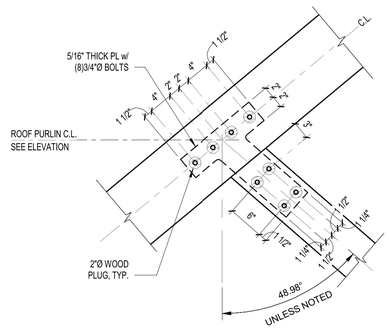
1" = 1'-0"	



D9	CONNECTION DETAIL
1" = 1'-0"	



A1	CONNECTION DETAIL
1" = 1'-0"	



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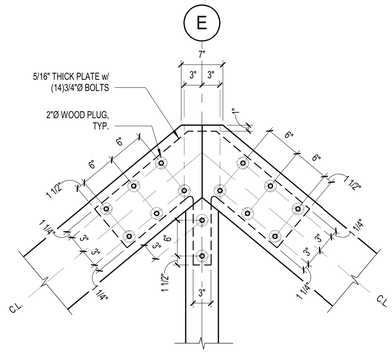

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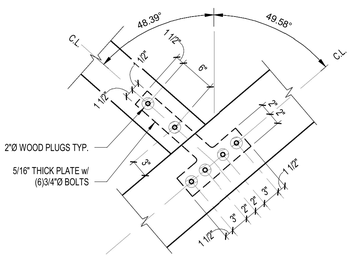

B9	CONNECTION DETAIL
1" = 1'-0"	

CONNECTION NOTES:

1. COUNTERSINK BOLT HEADS AND WASHERS AND BOLT NUTS AND WASHERS 1" AND PLUG HOLES.
2. USE 2"Ø COUNTERSINK HOLES
3. PROVIDE 1/2"Ø RADIUS AT CORNERS
4. PROVIDE 1/2" OVERCUT IN TIMBER AT PLATE ENDS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER
7133

DATE
JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER
STRUCTURAL – TIMBER FRAME
CONNECTION DETAILS

SHEET NUMBER
SF510

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
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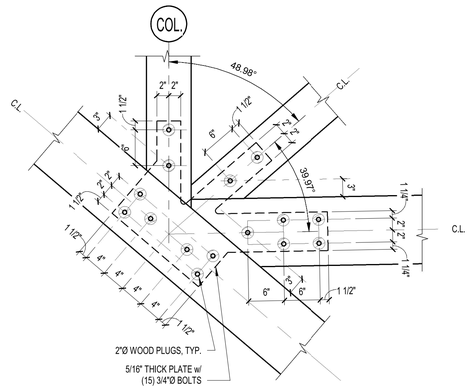
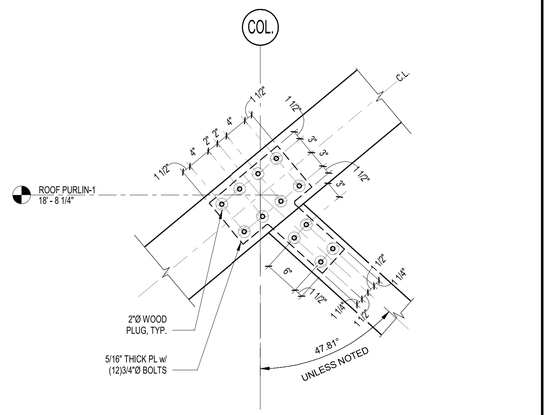
www.aecom.com

Allied Project No: 12069 | Cad File: 12069S.rvt

Username: –
Division: –
Date: –
Filename: –



F1	CONNECTION DETAIL
1" = 1'-0"	



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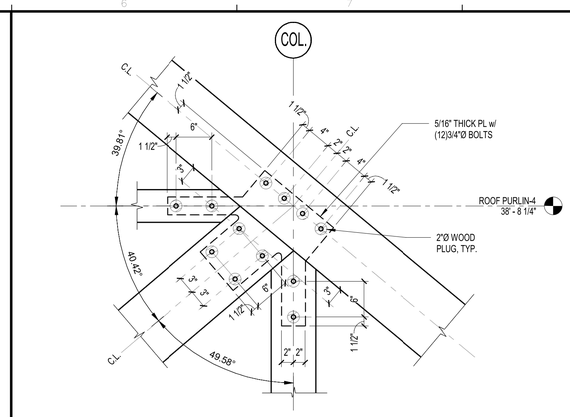
1" = 1'-0"	



F6	CONNECTION DETAIL
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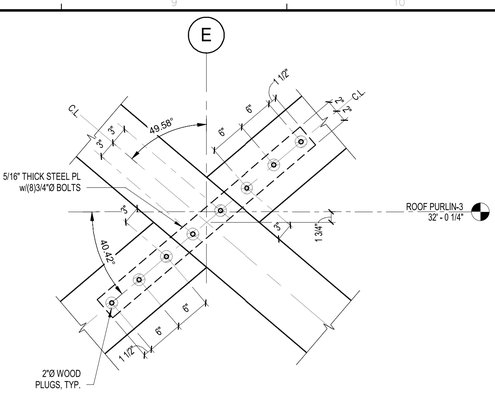

F9	CONNECTION DETAIL
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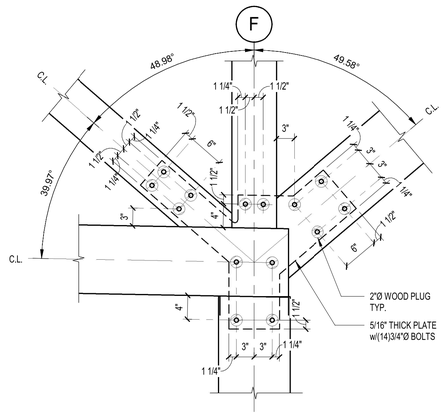
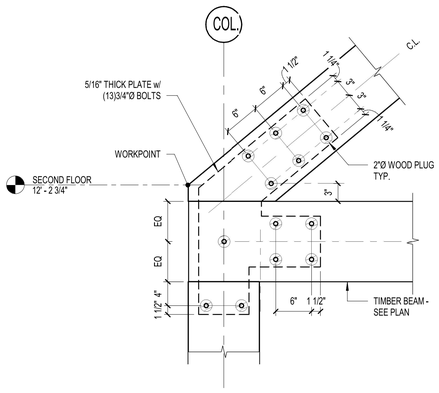


D1	CONNECTION DETAIL
1" = 1'-0"	



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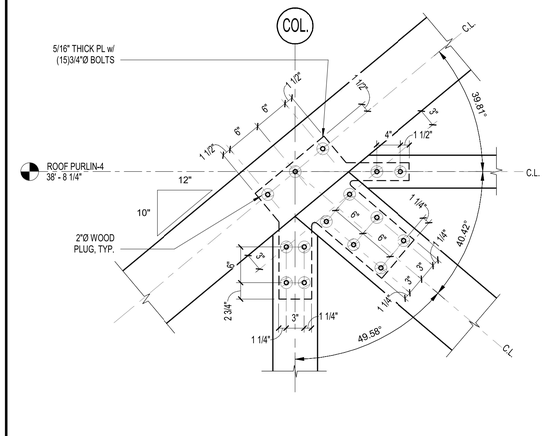

D6	CONNECTION DETAIL
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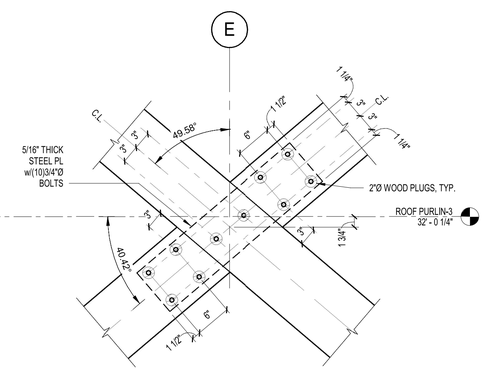
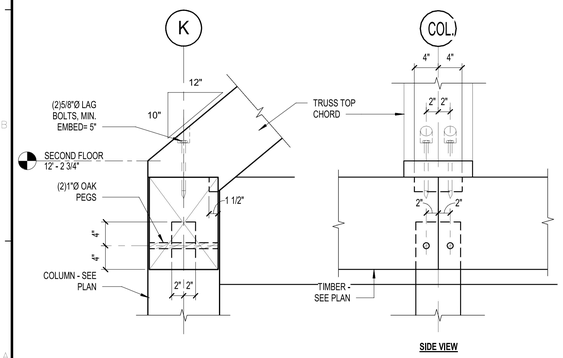
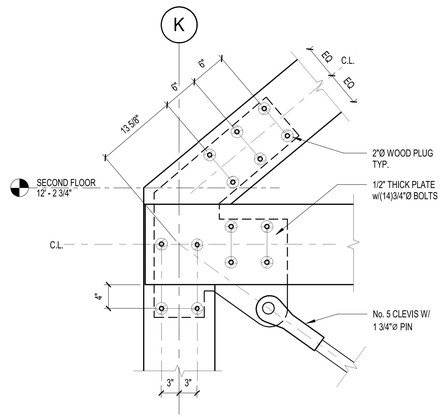


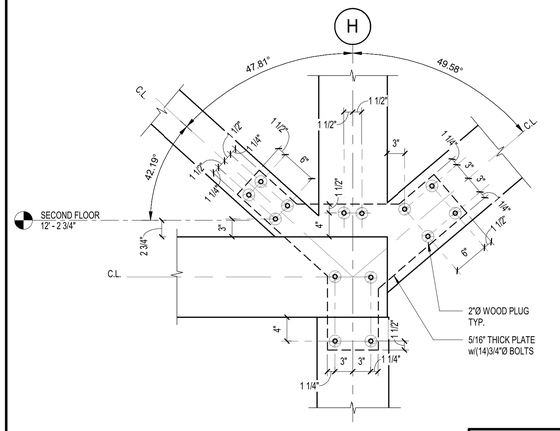
D9	CONNECTION DETAIL
1" = 1'-0"	



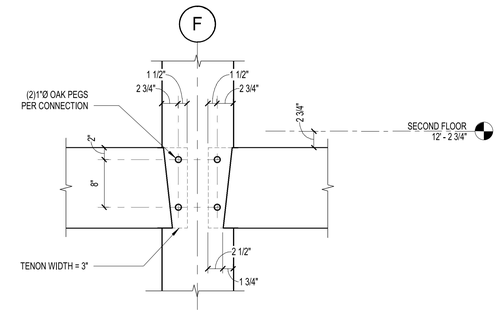
A1	CONNECTION DETAIL
1" = 1'-0"	



A4	CONNECTION DETAIL
1" = 1'-0"	



A6	CONNECTION DETAIL
1" = 1'-0"	



B9	CONNECTION DETAIL
1" = 1'-0"	

CONNECTION NOTES:

1. COUNTERSINK BOLT HEADS AND WASHERS AND BOLT NUTS AND WASHERS 1" AND PLUG HOLES.
2. USE 2"Ø COUNTERSINK HOLES
3. PROVIDE 1/2"Ø RADIUS AT CORNERS
4. PROVIDE 1/2" OVERCUT IN TIMBER AT PLATE ENDS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
NO. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER
7133

DATE
JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	–	–
PROJECT MANAGER	–	–
DESIGNER	AECOM	–
CONSULTANT	ALLIED ENGINEERING	–
PROJECT RESIDENT	–	–
CONTRACTOR	–	–
PROJECT COMPLETION DATE	–	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – TIMBER FRAME
CONNECTION DETAILS

SHEET NUMBER
SF511

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

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Allied Project No: 12069 | Cad File: 12069S.rvt

Username: –
Division: –
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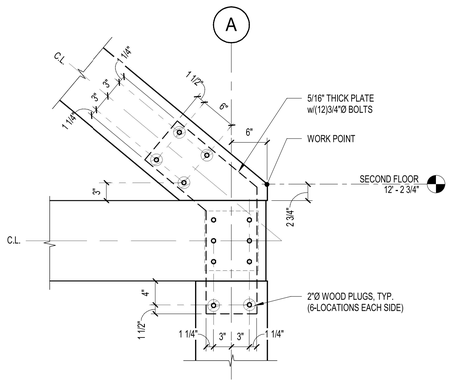
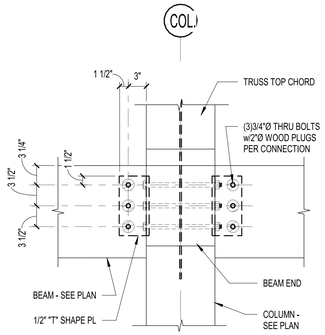
Filename: –

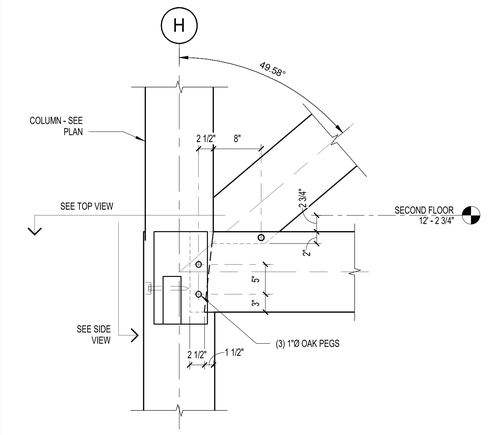


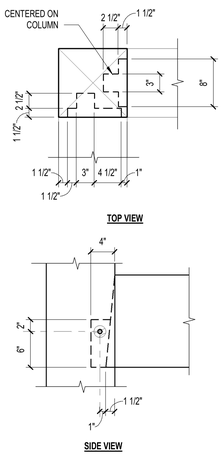


SIDE VIEW

CONNECTION NOTES:
1. COUNTERSINK BOLT HEADS AND WASHERS AND BOLT NUTS AND WASHERS 1" AND PLUG HOLES.
2. USE 2"Ø COUNTERSINK HOLES
3. PROVIDE 1/2"Ø RADIUS AT CORNERS
4. PROVIDE 1/2" OVERCUT IN TIMBER AT PLATE ENDS

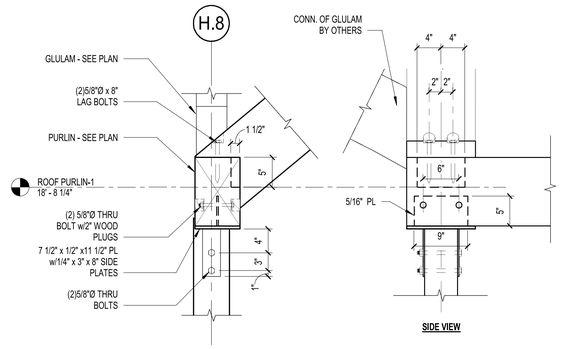
F1	CONNECTION DETAIL
1" = 1'-0"	





SIDE VIEW

F5	CONNECTION DETAIL
1" = 1'-0"	



SIDE VIEW

F8	CONNECTION DETAIL
1" = 1'-0"	

CONNECTION NOTES:
1. COUNTERSINK BOLT HEADS AND WASHERS AND BOLT NUTS AND WASHERS 1" AND PLUG HOLES.
2. USE 2"Ø COUNTERSINK HOLES
3. PROVIDE 1/2"Ø RADIUS AT CORNERS
4. PROVIDE 1/2" OVERCUT IN TIMBER AT PLATE ENDS

D1	CONNECTION DETAIL
1" = 1'-0"	

PLAN VIEW (TOP)

NOTE:
SET PLATE INTO END OF TIE BEAM

SECTION VIEW

D4	TYPICAL TIE BEAM TO TIMBER FRAME BOTTOM CHORD
1 1/2" = 1'-0"	

NOTE:
SET PLATE INTO END OF PURLIN

SECTION VIEW

D8	TYPICAL ROOF PURLIN TO TIMBER FRAME TOP CHORD
1 1/2" = 1'-0"	

CONNECTION NOTES:
1. COUNTERSINK BOLT HEADS AND WASHERS AND BOLT NUTS AND WASHERS 1" AND PLUG HOLES.
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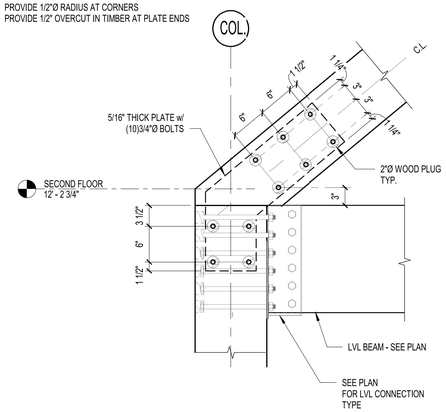
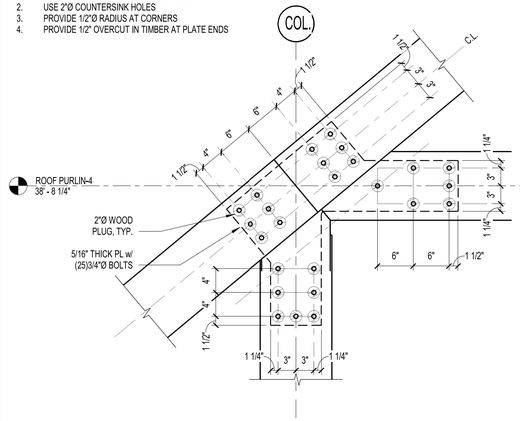
3. PROVIDE 1/2"Ø RADIUS AT CORNERS
4. PROVIDE 1/2" OVERCUT IN TIMBER AT PLATE ENDS

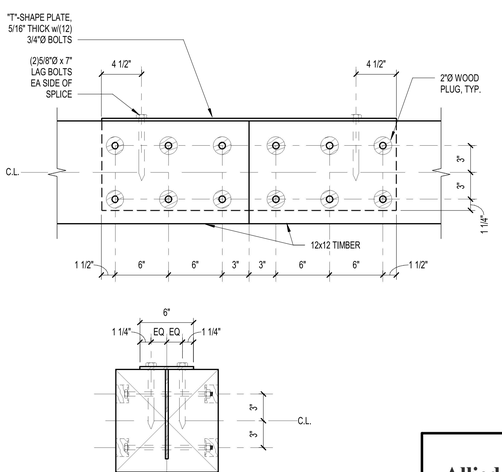


A1	CONNECTION DETAIL
1" = 1'-0"	

CONNECTION NOTES:
1. COUNTERSINK BOLT HEADS AND WASHERS AND BOLT NUTS AND WASHERS 1" AND PLUG HOLES.
2. USE 2"Ø COUNTERSINK HOLES
3. PROVIDE 1/2"Ø RADIUS AT CORNERS
4. PROVIDE 1/2" OVERCUT IN TIMBER AT PLATE ENDS

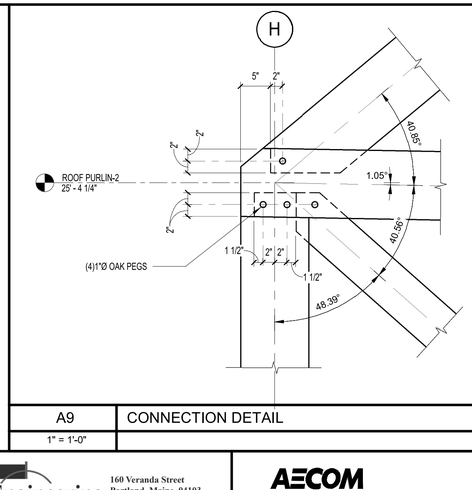


A4	CONNECTION DETAIL
1" = 1'-0"	



SECTION VIEW

A6	TYPICAL CHORD SPLICE DETAIL
1 1/2" = 1'-0"	



A9	CONNECTION DETAIL
1" = 1'-0"	

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

Allied Project No: 12069 | Cad File: 12069S.rvt

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

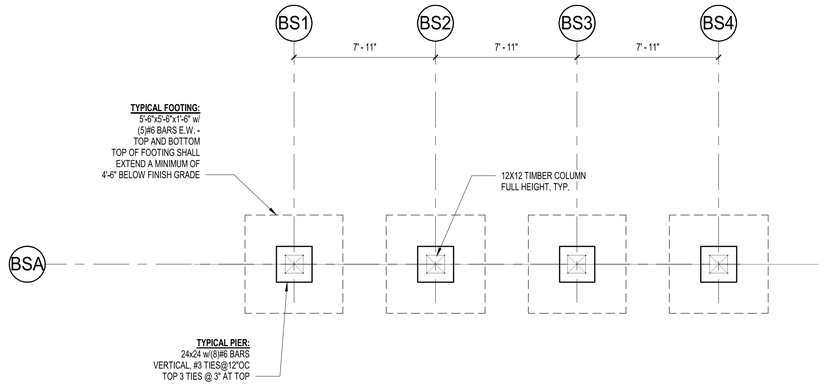
PROGRAM	–	–
PROJECT MANAGER	–	AECOM
DESIGNER	–	ALLIED ENGINEERING
CONSULTANT	–	–
PROJECT RESIDENT	–	–
CONTRACTOR	–	–
PROJECT COMPLETION DATE	–	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – TIMBER FRAME
CONNECTION DETAILS

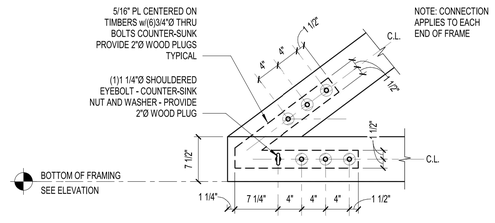
SHEET NUMBER
SF512

Username: –
Division: –
Date: –
Filename: –



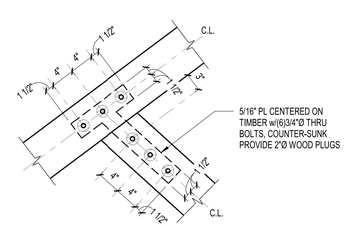
F1 | STRUCTURAL ~ BUS SHELTER FOUNDATION PLAN

1/4" = 1'-0"



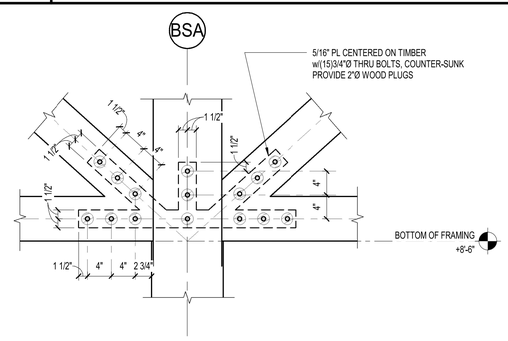
D1 | EYEBOLT CONNECTION AT LOW END

1" = 1'-0"



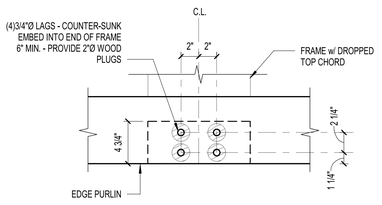
D4 | BUS SHELTER WEB TO TC CONNECTION

1" = 1'-0"



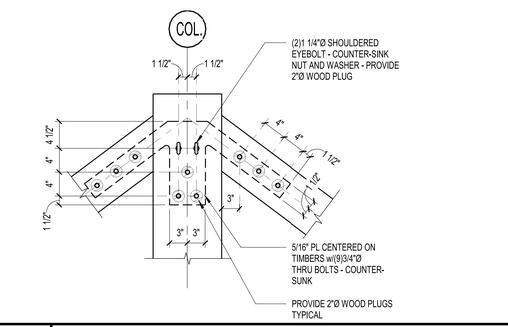
C1 | CONNECTION DETAIL

1" = 1'-0"



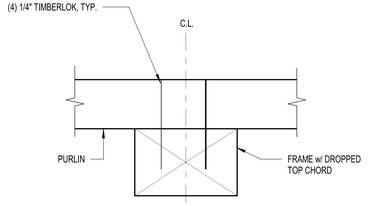
C4 | EDGE PURLIN AT DROPPED FRAME

1 1/2" = 1'-0"



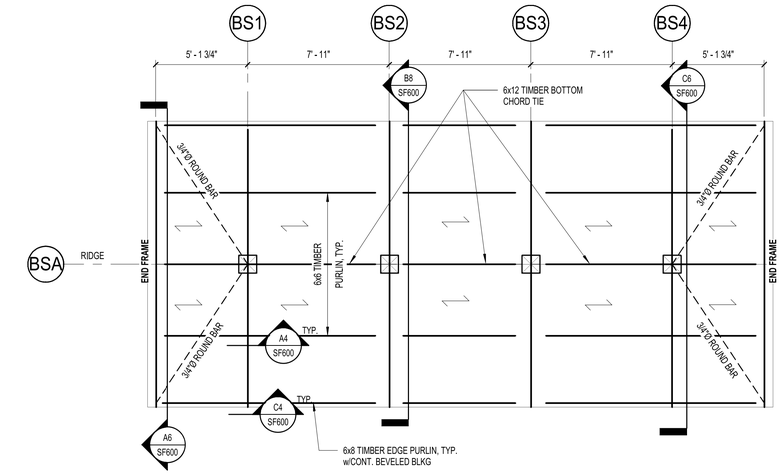
A1 | EYEBOLT CONNECTION AT RIDGE

1" = 1'-0"



A4 | PURLIN AT DROPPED FRAME

1 1/2" = 1'-0"



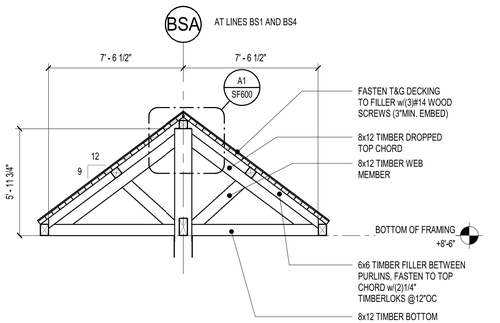
NOTES:

1. SEE SF601 FOR PURLIN AND TIE-BEAM CONNECTION DETAILS.
2. ROUND BAR SHALL HAVE A 2 1/2 CLEVIS w/ (1)3/4"Ø PIN AT EACH END ATTACHED TO EYEBOLTS PER DETAILS D1 AND A1/SF600. PROVIDE 3/4"Ø TURNBUCKLE

INDICATES DIRECTION OF 3X6 T&G WOOD DECKING

F6 | STRUCTURAL ~ BUS SHELTER FRAMING PLAN

1/4" = 1'-0"

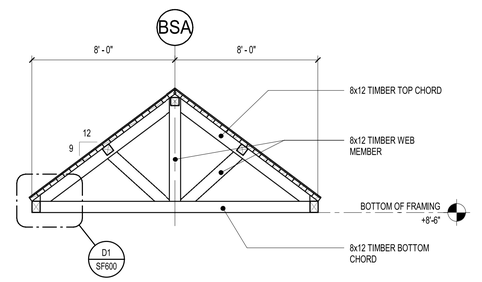


NOTE: STEEL PLATES, BOLTS, NUTS, WASHERS SHALL BE GALVANIZED

SEE B8/SF600 FOR SIMILAR CONNECTIONS

C6 | BUS SHELTER MAIN FRAME w/DROPPED TC

1/4" = 1'-0"

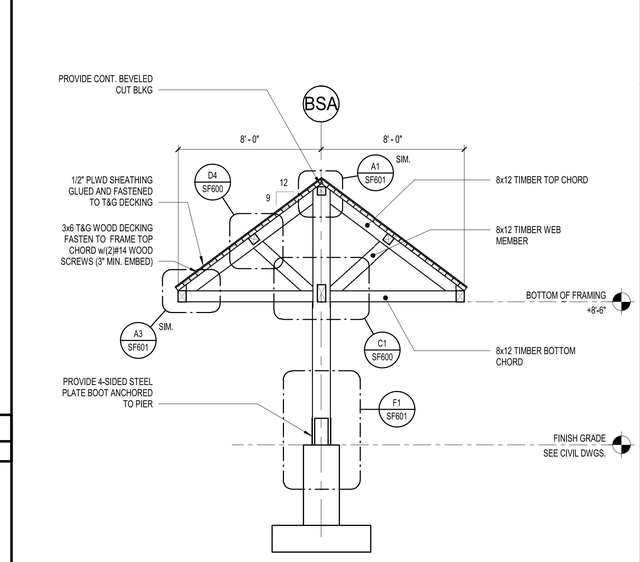


NOTE: STEEL PLATES, BOLTS, NUTS, WASHERS SHALL BE GALVANIZED

SEE B8/SF600 FOR SIMILAR CONNECTIONS

A6 | BUS SHELTER END FRAME

1/4" = 1'-0"



NOTE: STEEL PLATES, BOLTS, NUTS, WASHERS SHALL BE GALVANIZED

B8 | BUS SHELTER MAIN FRAME SECTION

1/4" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE WILLIAM P. FAUCHER No. 7133 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	–	–	–
PROJECT MANAGER	–	AECOM	ALLIED ENGINEERING
DESIGNER	–	–	–
CONSULTANT	–	–	–
PROJECT RESIDENT	–	–	–
CONTRACTOR	–	–	–
PROJECT COMPLETION DATE	–	–	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

STRUCTURAL – BUS SHELTER FRAMING PLANS AND DETAILS

SHEET NUMBER
SF600

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
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Web:www.allied-eng.com
Allied Project No: 12069 | Cad File: 12069S.rvt

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Username: –
Division: –
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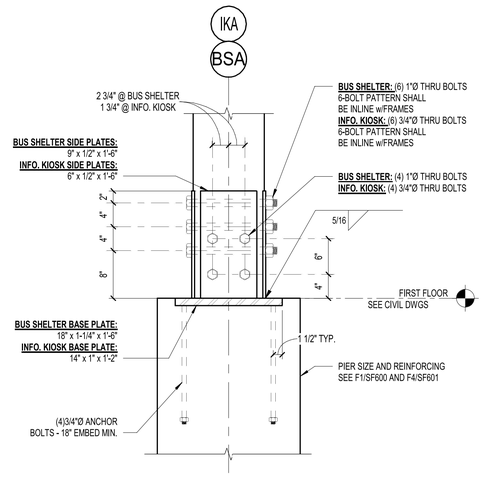
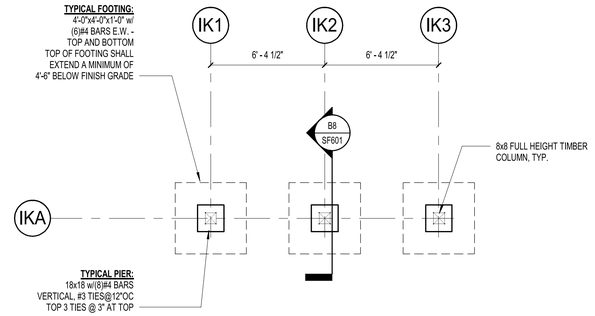
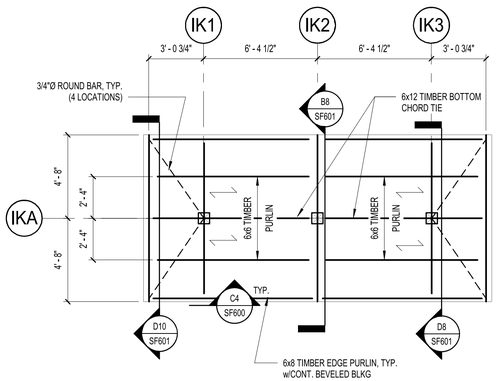


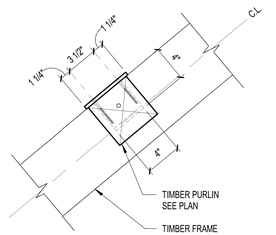
F1	POST BASE CONNECTION
1" = 1'-0"	



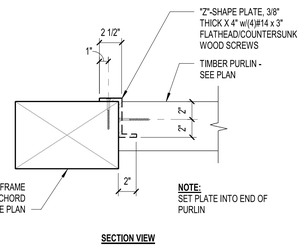
F4	STRUCTURAL ~ INFORMATION KIOSK FOUNDATION PLAN
1/4" = 1'-0"	



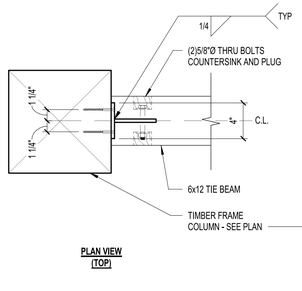
F7	STRUCTURAL ~ INFORMATION KIOSK FRAMING PLAN
1/4" = 1'-0"	



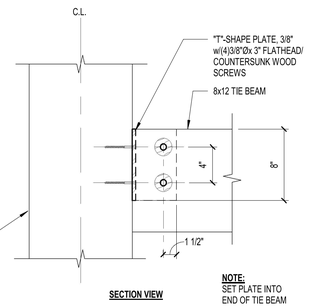
D1	PURLIN TO TIMBER FRAME TOP CHORD
1 1/2" = 1'-0"	



SECTION VIEW



PLAN VIEW
(TOP)



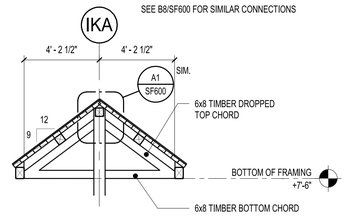
SECTION VIEW

NOTE:
SET PLATE INTO
END OF TIE BEAM

D4	TIE BEAM TO TIMBER FRAME BOTTOM CHORD
1 1/2" = 1'-0"	

NOTE: STEEL PLATES, BOLTS, NUTS, WASHERS SHALL BE GALVANIZED

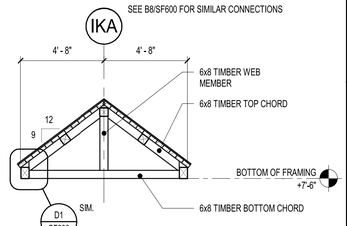
SEE B8/SF600 FOR SIMILAR CONNECTIONS



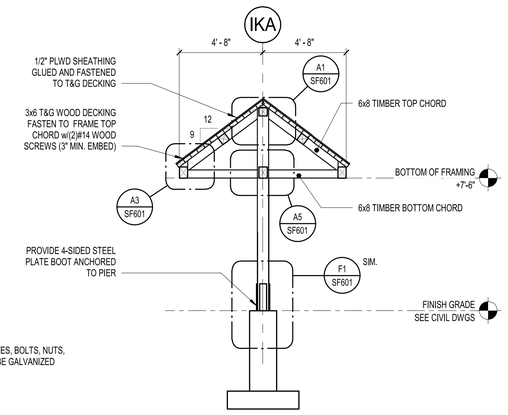
D8	SECTION AT DROPPED TC
1/4" = 1'-0"	

NOTE: STEEL PLATES, BOLTS, NUTS, WASHERS SHALL BE GALVANIZED

SEE B8/SF600 FOR SIMILAR CONNECTIONS

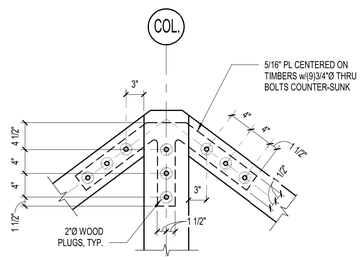


D10	SECTION AT END FRAME
1/4" = 1'-0"	

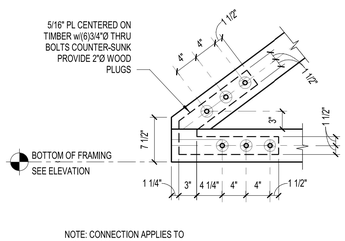


NOTE: STEEL PLATES, BOLTS, NUTS, WASHERS SHALL BE GALVANIZED

B8	INFORMATION KIOSK MAIN FRAME SECTION
1/4" = 1'-0"	

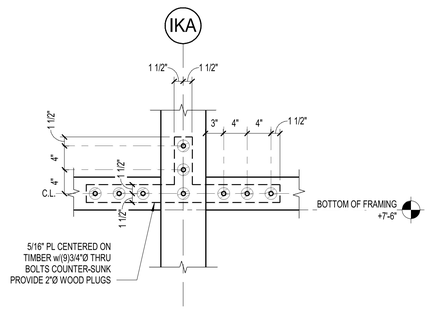


A1	DETAIL AT RIDGE
1" = 1'-0"	



NOTE: CONNECTION APPLIES TO
EACH END OF FRAME

A3	CONNECTION DETAIL
1" = 1'-0"	



A5	CONNECTION DETAIL
1" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

WILLIAM P. FAUCHER No. 7133 REGISTERED PROFESSIONAL ENGINEER STATE OF MAINE

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION			
PROGRAM	–	–	–
PROJECT MANAGER	–	–	–
DESIGNER	AECOM	ALLIED ENGINEERING	–
CONSULTANT	AECOM	ALLIED ENGINEERING	–
PROJECT RESIDENT	–	–	–
CONTRACTOR	–	–	–
PROJECT COMPLETION DATE	–	–	–

MAINE DEPARTMENT OF TRANSPORTATION

ACADIA GATEWAY FACILITY

INTERMODAL AND WELCOME CENTER

STRUCTURAL – INFO KIOSK

FRAMING PLANS AND DETAILS

SHEET NUMBER

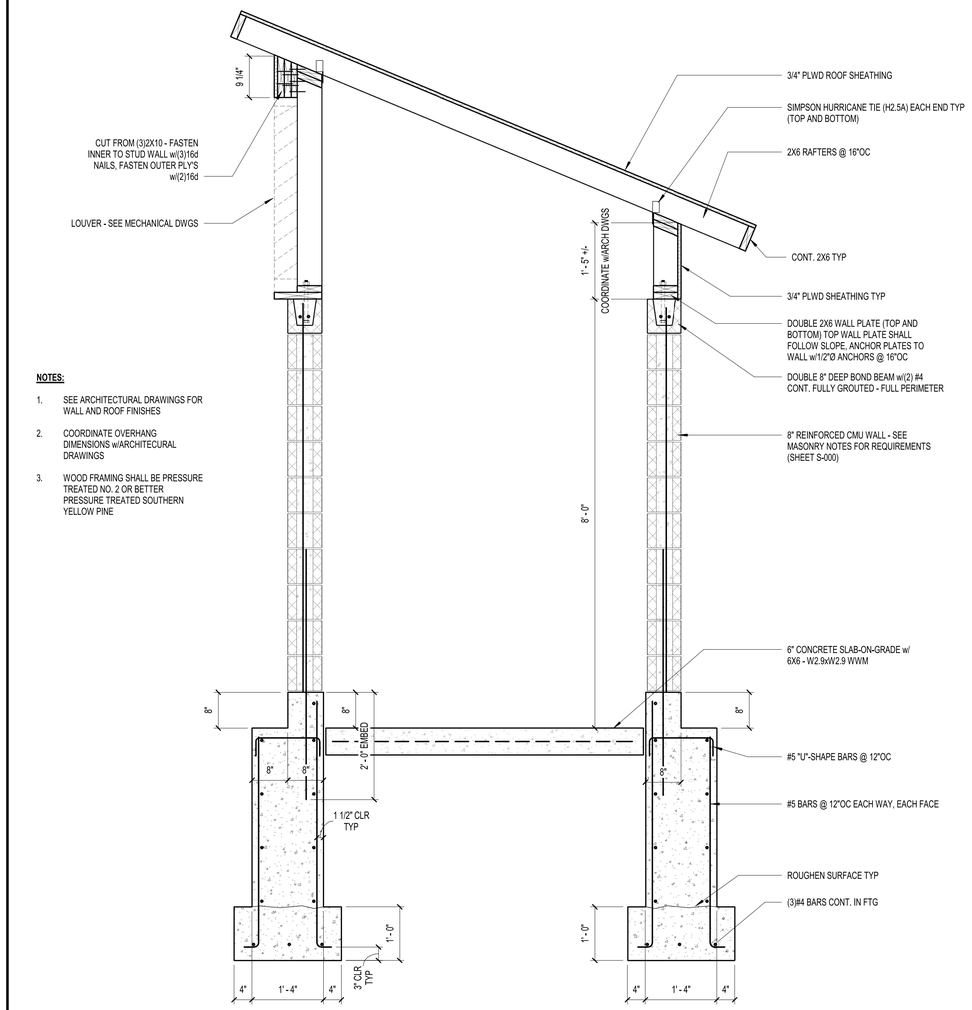
SF601

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Allied Project No: 12069 | Cad File: 12069S.rvt

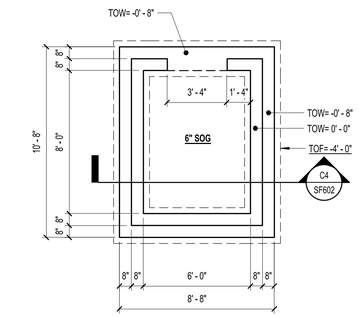
Username: –
Division: –
Date: –
Filename: –



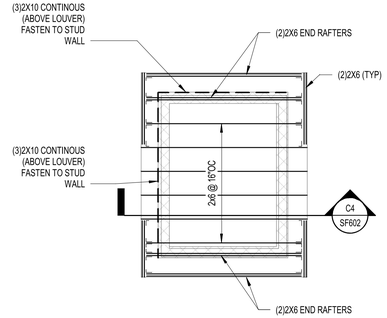
NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR WALL AND ROOF FINISHES
2. COORDINATE OVERHANG DIMENSIONS w/ARCHITECURAL DRAWINGS
3. WOOD FRAMING SHALL BE PRESSURE TREATED NO. 2 OR BETTER PRESSURE TREATED SOUTHERN YELLOW PINE

C4	CROSS SECTION
3/4" = 1'-0"	



F9	FOUNDATION PLAN
1/4" = 1'-0"	



C9	ROOF FRAMING PLAN
1/4" = 1'-0"	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02 & 017163.03

STATE OF MAINE
WILLIAM P. FAUCHER
No. 7133
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7133

DATE JANUARY 17, 2022

PROJECT INFORMATION

PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EV CHARGING ENCLOSURE
FRAMING PLANS AND DETAILS

SHEET NUMBER
SF602

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
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Web:www.allied-eng.com

Allied Project No: 12069 | Cad File: 12069S.rvt

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Filename: – Date: – Division: – Username: –

FIRE SPRINKLER NARRATIVE:

THE CONSTRUCTION OF A NEW VISITOR CENTER WILL REQUIRE AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH THE SPECIFICATION AND NFPA 13.

FIRE SPRINKLER NOTES:

1. THE CONTRACTOR SHALL REVIEW ALL PROJECT RELATED DOCUMENTATION PRIOR TO BIDDING AND BECOME INFORMED AS TO THE NATURE AND SCOPE OF WORK REQUIRED TO INSTALL FIRE SPRINKLERS. ALL ASSOCIATED WORK SHALL FORM PART OF BASE BID. NO EXTRA CONSIDERATIONS WILL BE GIVEN TO WORK NOT ACCOUNTED FOR IN BIDS.
2. SYSTEM SHALL BE DESIGNED / INSTALLED IN ACCORDANCE WITH THE FIRE SPRINKLER SPECIFICATION 21 13 13 AND NFPA 13.
3. A 3-INCH SPRINKLER RISER IS PROVIDED IN THE ENCLOSED STAIR.
4. FIRE ALARM DEVICES ARE SHOWN ON FIRE ALARM PLANS.
5. WATER STORAGE TANK SHALL BE DESIGNED AND INSTALLED BY OTHERS IN ACCORDANCE WITH NFPA 22 AND NFPA 72. THE TANK SHALL PROVIDE MINIMUM OF 20,000 GALLONS OF WATER STORAGE.
6. CONTRACTOR SHALL PROVIDE WATER FOR FIRE PUMP TESTING. IN ADDITION, TANK SHALL BE LEFT FULL AFTER TESTING AND COMMISSIONING.

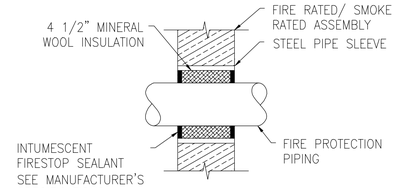
FIRE SPRINKLER SYMBOLS:

- NEW EXPOSED UPRIGHT SPRINKLER
- NEW CONCEALED PENDENT SPRINKLER
- NEW SIDE WALL SPRINKLER
- NEW DRY SIDE WALL SPRINKLER
- FIRE PROTECTION/SPRINKLER PIPING
- RISE OR DROP
- SUPPLY RISER
- CHECK VALVE
- OS&Y GATE VALVE (WITH TAMPER SWITCH)
- HYDRAULIC REFERENCE POINT
- STORZ CONNECTION (FDC OR TANK FILL)
- FIRE PUMP TEST HEADER

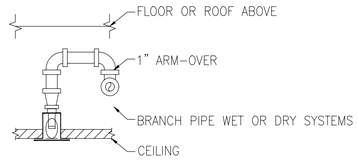
HYDRAULIC INFORMATION

NFPA HAZARD	LIGHT & ORDINARY HAZARDS
SYSTEM TYPE	WET PIPE
FIRE PUMP	MIN 500 GPM AT 110 PSI
WATER SUPPLY	TANK (20,000 GALLONS)
TOTAL DEMAND: @ WATER SUPPLY CONECTION	DESIGN AREA 1: 391 GPM @ 75 PSI DURATION 30 MIN. (~12,000 GAL) DESIGN AREA 2: 310 GPM @ 66 PSI DURATION 60 MIN. (~19,000)

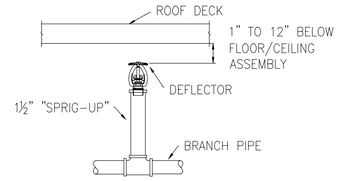
NOTE:
FIRE STOPPING METHOD BASED ON HILTI UL SYSTEM WL1058. REFER TO MFG LITERATURE FOR SPECIFIC PRODUCT LIMITATIONS. SUBSTITUTE OTHER UL APPROVED FIRE STOPPING METHODS, IF NECESSARY, TO MEET REQUIREMENTS OF INSTALLATION



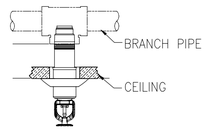
FIRE/SMOKE RATED ASSEMBLY THROUGH PENETRATION DETAIL — F3 / FX001



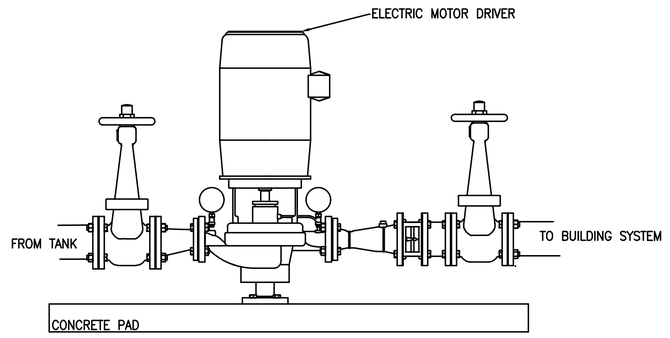
CONCEALED PENDENT ARM-OVER DETAIL — F2 / FX001



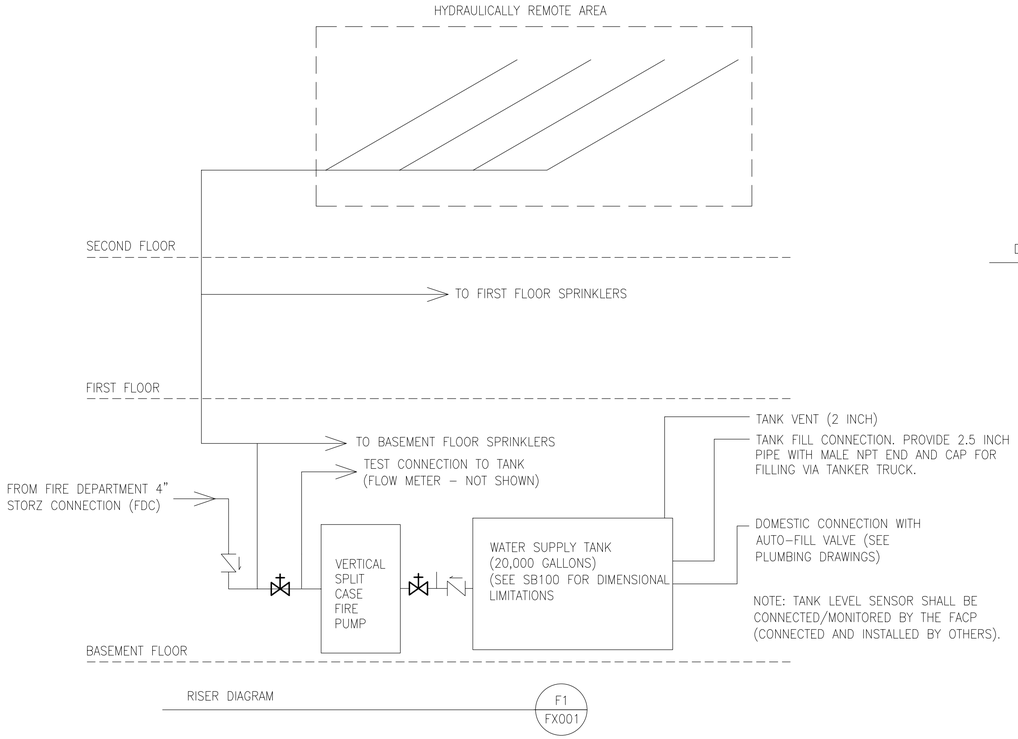
UPRIGHT SPRINKLER DETAIL — F4 / FX001



DRY PENDENT SPRINKLER DETAIL — F6 / FX001



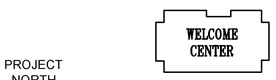
VERTICAL SPLIT CASE FIRE PUMP DETAIL — F5 / FX001



RISER DIAGRAM — F1 / FX001

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

PROJECT KEY PLAN



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1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

JAMES S. MCLEAN
No. 15721
LICENSED PROFESSIONAL ENGINEER
STATE OF MAINE
01/17/22

PROJECT INFORMATION			
PROGRAM	–	SIGNATURE	–
PROJECT MANAGER	–	ARCH. LIN. NUMBER	–
DESIGNER	AECOM		
CONSULTANT	FISHER ENGINEERING		
PROJECT RESIDENT	–	DATE	JANUARY 17, 2022
CONTRACTOR	–		
PROJECT COMPLETION DATE	–		

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

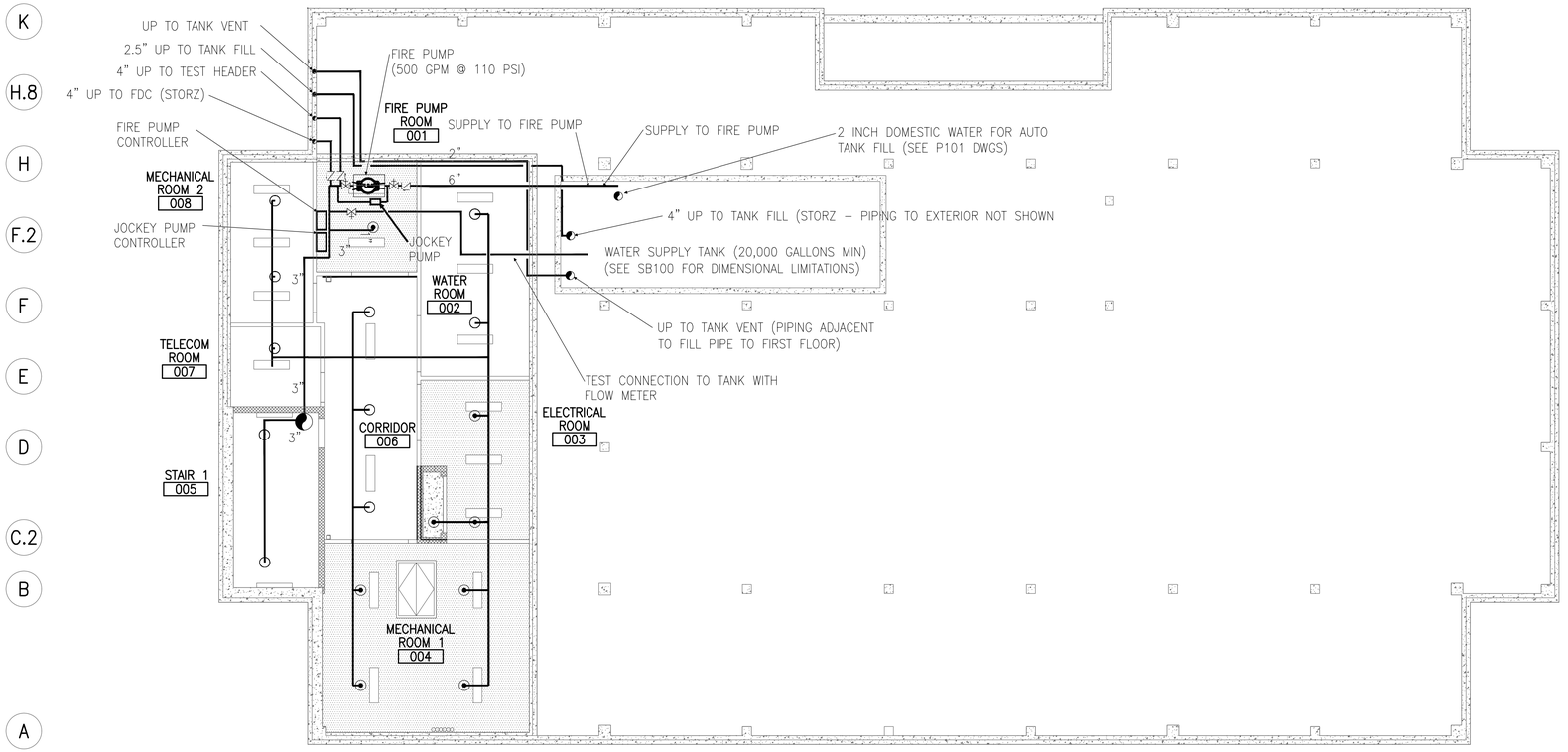
FIRE SPRINKLER PLAN
NOTES AND DETAILS

SHEET NUMBER
FX001

R:\Projects\2021\21114 - Acadia Gateway\Drawings\2021 - Update\FX001.dwg Jan 04, 2022 - 1:32pm

FIRE SPRINKLER TANK NOTES:

1. TANK SIZE LIMITATION IS SHOWN ON SB100.
2. TANK SHALL COMPLY WITH NFPA 22 AND NFPA 72.



1 BASEMENT FIRE SPRINKLER PLAN
1/8"=1'-0"

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

PROJECT KEY PLAN

PROJECT NORTH
true north
W E
S

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STATE OF MAINE
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PROJECT MANAGER	–	ARCH. LIN. NUMBER	–
DESIGNER	AECOM		
CONSULTANT	FISHER ENGINEERING		
PROJECT RESIDENT	–	–	–
CONTRACTOR	–	–	–
PROJECT COMPLETION DATE	–		

JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

FIRE SPRINKLER PLAN
BASEMENT FLOOR

SHEET NUMBER
FX100

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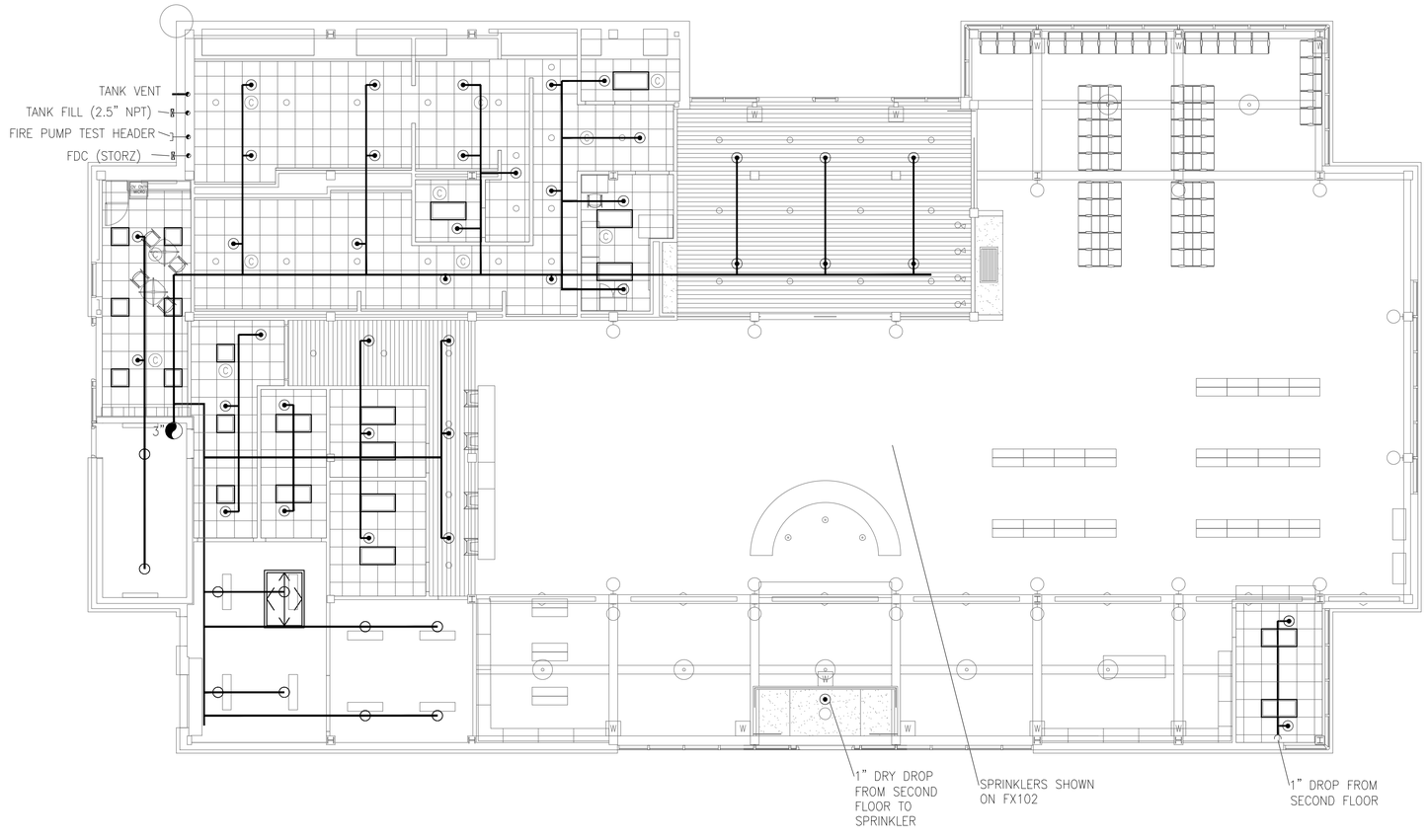
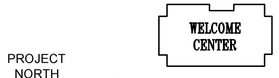


1 FIRST FLOOR FIRE SPRINKLER PLAN
1/8"=1'-0"

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

PROJECT KEY PLAN



PROJECT NORTH
true north
W E
S

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STATE OF MAINE
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STATE OF MAINE
01/17/22

PROJECT INFORMATION			
PROGRAM	-		
PROJECT MANAGER	-	ARCH. LIN. NUMBER	-
DESIGNER	-	AECOM	
CONSULTANT		FISHER ENGINEERING	
PROJECT RESIDENT	-		
CONTRACTOR	-		
PROJECT COMPLETION DATE	-	DATE	JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

FIRE SPRINKLER PLAN
FIRST FLOOR

SHEET NUMBER
FX101

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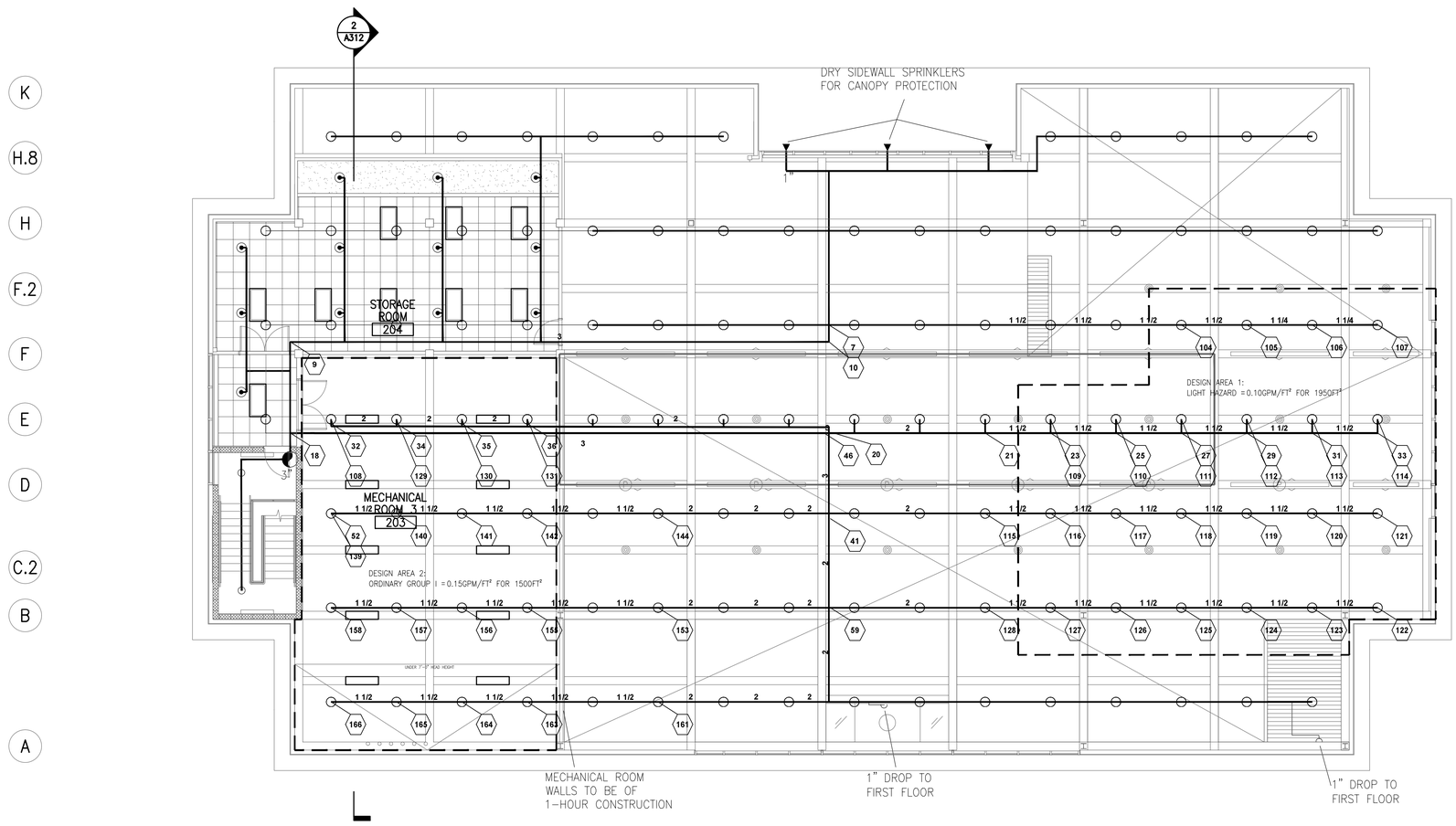
FIRE SPRINKLER NOTES:

1. SPRINKLER PIPING AT CEILING SHALL BE ATTACHED TIGHT TO THE UNDERSIDE OF THE TOP CORD OF THE ROOF TRUSSES.



1 SECOND FLOOR FIRE SPRINKLER PLAN
1/8"=1'-0"

HYDRAULIC CALCULATIONS

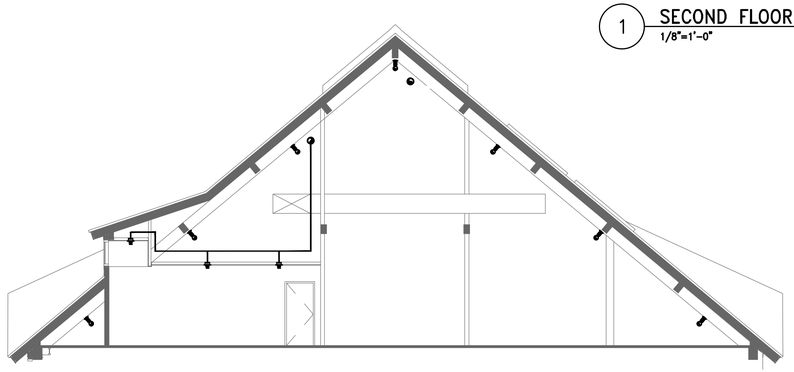
DESIGN AREA 1 – OPEN SPACE

NFPA HAZARD	LIGHT HAZARD
SYSTEM TYPE	WET PIPE
FIRE PUMP	MIN 500 GPM AT 110 PSI
WATER SUPPLY	TANK (20,000 GALLONS)
CALCULATED DENSITY	0.10 GPM/SQ.FT.
REMOTE AREA SIZE	~1950 SQ. FT.
COVERAGE PER HEAD	MAX. 120 SQ.FT.
TOTAL DEMAND: @ WATER SUPPLY CONECTION	391 GPM @ 75 PSI

HYDRAULIC CALCULATIONS

DESIGN AREA 2 – MECHANICAL ROOM

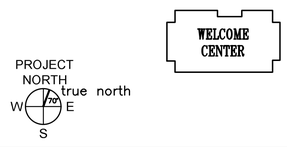
NFPA HAZARD	ORDINARY HAZARD
SYSTEM TYPE	WET PIPE
FIRE PUMP	MIN 500 GPM AT 110 PSI
WATER SUPPLY	TANK (20,000 GALLONS)
CALCULATED DENSITY	0.10 GPM/SQ.FT.
REMOTE AREA SIZE	1500 SQ. FT. (ROOM METHOD)
COVERAGE PER HEAD	MAX. 120 SQ.FT.
TOTAL DEMAND: @ WATER SUPPLY CONECTION	310 GPM @ 66 PSI



2 UPPER STORAGE SECTION
1/8"=1'-0"

GRAPHIC SCALE
8' 4' 0 8' 16'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

PROJECT KEY PLAN



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CONSULTANT	FISHER ENGINEERING		
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CONTRACTOR	-		
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MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

FIRE SPRINKLER PLAN
SECOND FLOOR

SHEET NUMBER
FX102

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PIPE ELBOW TURNED DN
PIPE ELBOW TURNED UP
PIPING TEE DOWN
PIPING TEE UP
PIPE RISER
45° ELBOW DOWN
PIPING TO BE REMOVED
CAPPED PIPING
CONCENTRIC REDUCER
ECCENTRIC REDUCER
DIRECTION OF FLOW
PIPE PITCHES DOWN
PIPE GUIDE
EXPANSION JOINT
PIPE ANCHOR
UNION
FLANGED CONNECTION
BACKFLOW PREVENTER
FLEXIBLE CONNECTION
SHUT-OFF / ISOLATION VALVE REFER TO SPECIFICATIONS
GATE VALVE
GATE VALVE ~ OUTSIDE SCREW & YOKE (OS&Y)

GLOBE VALVE
LOCKABLE BALL VALVE
PLUG VALVE
2-WAY CONTROL VALVE
3-WAY CONTROL VALVE
LOCK & SHIELD VALVE
CHECK VALVE
BALANCING VALVE - CIRCUIT SETTER
AIR VENT ~ REFER TO SPECIFICATIONS
STRAINER w/ BLOWDOWN VALVE AND CAP
EXPANSION VALVE - AUTOMATIC
RELIEF / SAFETY VALVE
PRESSURE GAUGE w/ COCK
SIGHT GLASS
PRESSURE REDUCING VALVE
FLOW SWITCH
SELF-CONTAINED TEMPERATURE CONTROL VALVE w/ REMOTE SENSOR

STEAM TRAP - FLOAT & THERMOSTATIC INDICATED T.T.= THERMOSTATIC TRAP, B.T.= BUCKET TRAP
PUMP ~ POINT OF TRIANGLE INDICATES DIRECTION OF FLOW
GAS SHUT-OFF VALVE
HOSE END DRAIN VALVE w/ CAP
TEMPERATURE / PRESSURE TAP - PETE'S PLUG
THERMOMETER w/ COCK
SOLENOID VALVE
ORIFICE FLOWMETER
DIFFERENTIAL PRESSURE TRANSMITTER
HUMIDIFIER - DUCT / AHU MOUNTED
FINNED TUBE BASEBOARD
HOSE BIBB / WALL HYDRANT
FLOOR CLEANOUT
FUSIBLE LINK VALVE
WALL CLEANOUT
AQUASTAT

EXPANSION LOOP
EXPANSION LOOP (BRAIDED/MANUFACTURED)
FLOOR DRAIN
SHOCK ABSORBER - WATER HAMMER ARRESTER
FIRE DEPARTMENT - WALL MOUNTED CONNECTION
FIRE DEPARTMENT - FREESTANDING CONNECTION
FIRE DEPARTMENT - WATER GONG
DUCTWORK ~ FIRST DIMENSION IS SIDE SHOWN IN INCHES S= SUPPLY, R= RETURN, E= EXHAUST AIR, OA= OUTSIDE AIR F.O. = FLAT OVAL
ACCOUSTICAL LINING (DUCT DIMENSION FOR NET FREE AREA)
DUCTWORK TO BE REMOVED
SINGLE LINE DUCTWORK TO BE REMOVED
DUCT TRANSITION
SQUARE TO ROUND DUCT TRANSITION
FLEX DUCT ~ DOUBLE LINE
FLEX DUCT ~ SINGLE LINE

CHANGE IN ELEVATION - UP, DOWN, RISE OR DROP
SUPPLY DUCT TURNED UP / DN
RETURN DUCT TURNED UP / DN
EXHAUST DUCT TURNED UP / DN
ROUND DUCT TURNED UP / DN
MITERED DUCT ELBOW w/ TURNING VANES
RADIUS DUCT ELBOW
DUCT / PIPE CAP- SINGLE / DOUBLE LINE
VOLUME DAMPER
FIRE DAMPER
SMOKE DAMPER
FIRE AND SMOKE DAMPER
BACKDRAFT DAMPER

MOTORIZED DAMPER
FLEXIBLE CONNECTION
TEMPERATURE SENSOR OR THERMOSTAT (AS SPECIFIED)
HUMIDISTAT OR HUMIDITY SENSOR (AS SPECIFIED)
CARBON DIOXIDE SENSOR
CARBON MONOXIDE SENSOR
ACCESS PANEL
DUCT SMOKE DETECTOR
ROOFTOP EXHAUST FAN
ROOFTOP SUPPLY FAN
CEILING DIFFUSER ~ 4-WAY BLOW
CEILING DIFFUSER ~ 3-WAY BLOW
CEILING DIFFUSER ~ 2-WAY BLOW
CEILING DIFFUSER ~ CORNER BLOW
CEILING RETURN GRILLE
CEILING EXHAUST GRILLE
POINT OF CONNECTION - EXISTING TO NEW
DIRECTION OF AIR FLOW

REGISTER, GRILLE & DIFFUSER TAG
DIFFUSER, REGISTER OR GRILLE No.
QUANTITY
CFM AIR FLOW

FINTUBE TAG
FINTUBE No.
LENGTH
GPM

VAV TAG
VAV No.
MINIMUM CFM
MAXIMUM CFM
GPM

EQUIPMENT TAG
TYPE DESIGNATOR
NUMBER

EQUIPMENT TAG (ON FLOOR/ROOF ABOVE)
TYPE DESIGNATOR
NUMBER

DETAIL REFERENCE SYMBOL
DETAIL No.
SHEET DETAIL LOCATED ON

SECTION REFERENCE SYMBOL
SECTION No.
SHEET SECTION LOCATED ON

E1 SYMBOLS LEGEND

NONE

A1 PIPING LINETYPE LEGEND

AW	ACID WASTE
ATV	AIR RELIEF
BBD	BOILER BLOWDOWN
C	CONDENSATE (HVAC DRAIN PAN)
CA	COMPRESSED AIR
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CTR	COOLING TOWER RETURN
CTS	COOLING TOWER SUPPLY
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
–	DOMESTIC COLD WATER
– – –	DOMESTIC HOT WATER
– – – –	DOMESTIC HOT WATER RECIRC.
D	DRAIN
FM	PUMP FORCE MAIN
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL TANK VENT
FW	FEEDWATER
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
GW	GREASE WASTE
GWR	GEOTHERMAL WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
H	HUMIDIFICATION LINE
H2	HYDROGEN GAS
HCR	HEAT/COOL RETURN
HCS	HEAT/COOL SUPPLY
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HTWR	HIGH-TEMP HOT WATER RETURN
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IND	INDUSTRIAL WASTE
IW	INDIRECT WASTE
LN	LIQUID NITROGEN
LOX	LIQUID OXYGEN
LP	LIQUID PETROLEUM GAS
LPR	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
MA	MEDICAL AIR
MPR	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MUW	MAKE-UP WATER
N2	NITROGEN
NG	NATURAL GAS
NO	NITROUS OXIDE
NPW	NON-POTABLE WATER
OX	OXYGEN
PC	PUMPED CONDENSATE
PCWR	PROCESS COLD WATER RETURN
PCWS	PROCESS COLD WATER SUPPLY
RD	REFRIGERANT DISCHARGE
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RO	REVERSE OSMOSIS WATER
RW	RAIN WATER - ABOVE FLOOR
RW	RAIN WATER - BELOW GRADE
RWO	RAIN WATER OVERFLOW - ABOVE FLOOR
RWO	RAIN WATER OVERFLOW - BELOW GRADE
SP	SPRINKLER MAIN PIPING
SWR	SOLAR WATER RETURN
SWS	SOLAR WATER SUPPLY
TP	TRAP PRIMER - ABOVE FLOOR
TP	TRAP PRIMER - BELOW GRADE
TWR	TEMPERED WATER RETURN
TWS	TEMPERED WATER SUPPLY
V	SANITARY SOIL VENT - ABOVE FLOOR
V	SANITARY SOIL VENT - BELOW GRADE
VAC	VACUUM (AIR)
VC	VACUUM CLEANING (HOUSE)
VPD	VACUUM PUMP DISCHARGE
W	SANITARY SOIL WASTE - ABOVE FLOOR
W	SANITARY SOIL WASTE - BELOW GRADE
WV	SANITARY WET VENT - ABOVE FLOOR
WV	SANITARY WET VENT - BELOW GRADE

A5 ABBREVIATIONS

NONE

AAV	AUTOMATIC AIR VENT	CU	COPPER; CONDENSING UNIT	FM	FORCE MAIN	NIC	NOT IN CONTRACT	TD	TRENCH DRAIN
AC	ABOVE CEILING	CUH	CABINET UNIT HEATER	GC	GENERAL CONTRACTOR	NPT	NATIONAL PIPE THREAD	TG	TRANSFER GRILLE
ACC	AIR COOLED CONDENSER	C.V.	CONTROL VALVE	GPM	GALLONS PER MINUTE	NTS	NOT TO SCALE	TOD	TOP OF DUCT
ACU	AIR CONDITIONING UNIT	CW	COLD WATER; CLOCKWISE	GRV	GRAVITY ROOF VENTILATOR	OA	OUTSIDE AIR	TP	TRAP PRIMER
ADA	AMERICANS WITH DISABILITIES ACT	DB	DRY BULB TEMPERATURE	H	HUMIDIFIER	OBD	OPPOSED BLADE DAMPER	TSP	TOTAL STATIC PRESSURE
AD	ACCESS DOOR	DC	DOUBLE CONTAINED	HB	HOSE BIBB	OD	OUTSIDE DIAMETER	TTS	TIGHT TO STEEL
AE	ACID EXHAUST	DDC	DIRECT DIGITAL CONTROL	HC; HDC	HANDICAP ACCESS	OED	OPEN ENDED DUCT	TV	TURNING VANE
AW	ACID WASTE	DET	DETAIL	HGT; HT	HEIGHT	P-#	PLUMBING FIXTURE TAG	TW	TEMPERED WATER
AFF; A.F.F.	ABOVE FINISHED FLOOR	DIA	DIAMETER	HP	HEAT PUMP	PD	PUMPED DISCHARGE	TYP	TYPICAL
AHU	AIR HANDLING UNIT	DIC	DOWN IN CHASE	HRU	HEAT RECOVERY UNIT	PP	PROCESS PIPING	UH	UNIT HEATER
AP	ACCESS PANEL	DIW	DOWN IN WALL	HTR	HEATER	PRS	PRESSURE REDUCING STATION	UIC	UP IN CHASE
APPROX.	APPROXIMATE; APPROXIMATELY	DN	DOWN	H&V	HEATING AND VENTILATION	PRV	PRESSURE REDUCING VALVE	UIW	UP IN WALL
APMR	AS PER MFR'S RECOMMENDATIONS	DS	DOWNSPOUT	HVAC	HEATING, VENTILATING AND AIR COND.	R	RETURN AIR	UV	UNIT VENTILATOR
ATC	AUTOMATIC TEMPERATURE CONTROL	DT	DROP AND TRANSITION	HW	HOT WATER	RD	ROOF DRAIN	V	VENT
AV	AIR VENT	DV	DRAIN VALVE	HWR	HOT WATER RETURN	REC	RECOMMENDATION	VAC	VACUUM
BC	BALANCING COCK	DWG	DRAWING	HWS	HOT WATER SUPPLY	REG	REGULAR	VB	VACUUM BREAKER
BDD	BACKDRAFT DAMPER	E	EXHAUST AIR	HX	HEAT EXCHANGER	RF	RETURN FAN	VCFF	VALVE & CAP FOR FUTURE
BG	BLAST GATE	EF	EXHAUST FAN	ID	INSIDE DIAMETER	RG	RETURN GRILLE	VD	VOLUME DAMPER - MANUAL
BF	BARRIER FREE	EG	EXHAUST GRILLE	IN WG	INCHES WATER GAUGE	RHC	REHEAT COIL	VLV	VALVE
BFP	BACKFLOW PREVENTER	ELEV	ELEVATION	INCL.	INCLUDING	RM	ROOM	VS	VENT STACK
BHP	BRAKE HORSEPOWER	ELONG	ELONGATE	INV. EL.	INVERT ELEVATION	RPZ	REDUCED PRESSURE BFP	VTR	VENT TO ROOF
BLDG	BUILDING	ENC	ENCLOSURE	IPS	IRON PIPE SIZE	RR	RETURN REGISTER	W	WASTE
BOD	BOTTOM OF DUCT	ER	EXHAUST REGISTER	KE-#	KITCHEN EQUIPMENT NUMBER	RV	RELIEF VALVE	W/	WITH
B.T.U.; BTU	BRITISH THERMAL UNIT	ERU	ENERGY RECOVERY UNIT	LD	LINEAR DIFFUSER	RW	RAIN WATER	WB	WET BULB TEMPERATURE, °F
CONV.	CONVECTOR	ESP	EXTERNAL STATIC PRESSURE	LE-#	SCIENCE LAB EQUIPMENT NUMBER	S	SUPPLY AIR	WCO	WALL CLEANOUT
CCW	COUNTER CLOCKWISE	ET	EXPANSION TANK	LP	LIQUID PETROLEUM GAS	SA-" "	SHOCK ABSORBER OF PDI SIZE (" ") AS INDICATED	WH	WATER HEATER
CFF	CAPPED FOR FUTURE	(E)	EXISTING	LPR	LOW PRESSURE STEAM RETURN	SCV	SELF-CONTAINED VALVE	WHYD	WALL HYDRANT
CFM	CUBIC FEET PER MINUTE	F&T	FLOAT AND THERMOSTATIC	LPS	LOW PRESSURE STEAM SUPPLY	SD	SMOKE DAMPER	Ø	DIAMETER
CLG	CEILING	FBO	FURNISHED BY OTHERS	MAX	MAXIMUM	SF	SUPPLY FAN	@	AT
CO	CLEANOUT	FBP	FACE AND BYPASS	MBH	1000 BTUH/hr.	SG	SUPPLY GRILLE	&	AND
CM	CONSTRUCTION MANAGER	FC	FLEXIBLE CONNECTION	MFR	MANUFACTURER	SGL	SINGLE	%	PERCENT
CNTR	COUNTER; COUNTER TOP	FCO	FLOOR CLEANOUT	MIN	MINIMUM	SHT	SHEET		
CONN	CONNECT; CONNECTION	FD-#	FLOOR DRAIN TAG	MOD	MOTOR OPERATED DAMPER	SPLR	SPRINKLER		
CONT.	CONTINUE; CONTINUATION	FD	FIRE DAMPER	MPG	MEDIUM PRESSURE GAS	SQ. FT; SF	SQUARE FEET		
COORD.	COORDINATE	FDC	FIRE DEPT. CONNECTION	MPV	MULTI-PURPOSE VALVE	SR	SUPPLY REGISTER		
CORR	CORRIDOR	FIN	FINISH	MTD	MOUNTED	S/O	SHUT-OFF		
CR	CHEMICAL RESISTING	FL; FLR	FLOOR	MTG	MOUNTING	S.S.	STAINLESS STEEL		
CT	COOLING TOWER	FP	FROST/FREEZE PROOF	MUA	MAKE UP AIR				
CTE	CONNECT TO EXISTING	FTG	FOOTING	N.C.	NORMALLY CLOSED				
CTR	CENTER	FTR	FINNED TUBE RADIATION	N.O.	NORMALLY OPEN				
CTRLN	CENTERLINE	FS	FLOW SWITCH	NG	NATURAL GAS				

NOTE

ALL GENERAL NOTES, SYMBOL LEGENDS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING AND HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

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Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

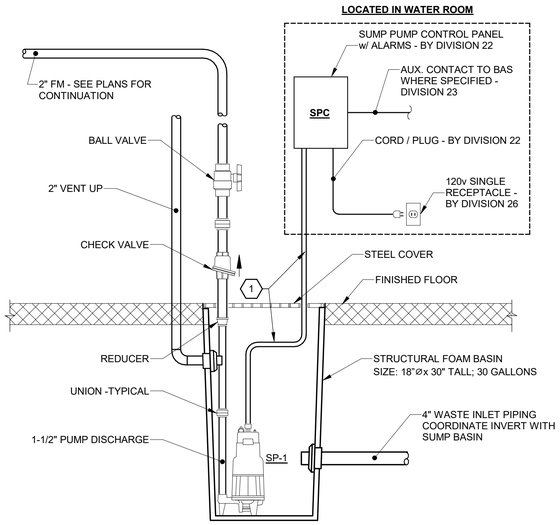
PROGRAM	–
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLUMBING AND HVAC NOTES, LEGEND AND ABBREVIATIONS

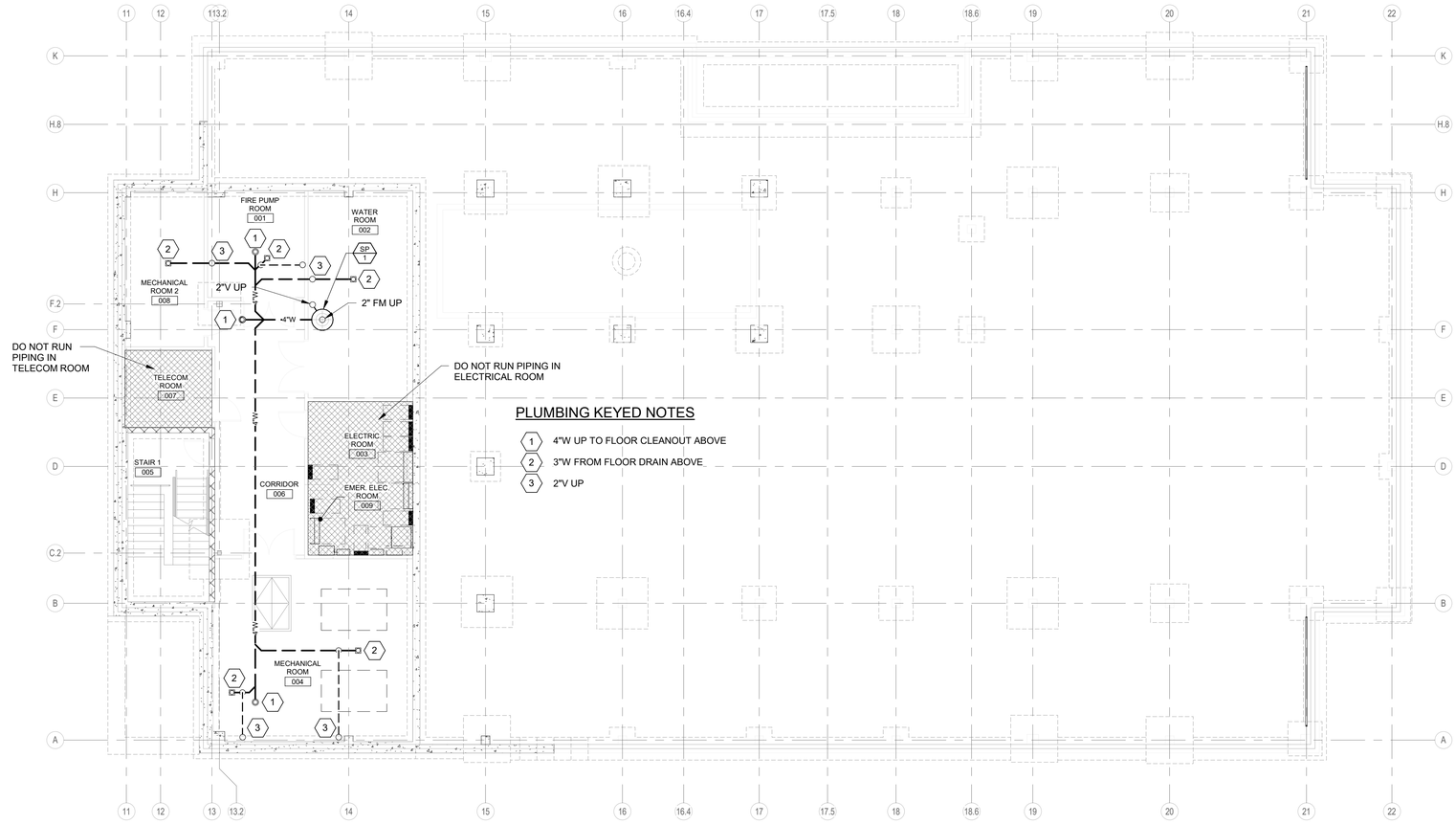
SHEET NUMBER
PL000

Username: –
Division: –
Date: –
Filename: –



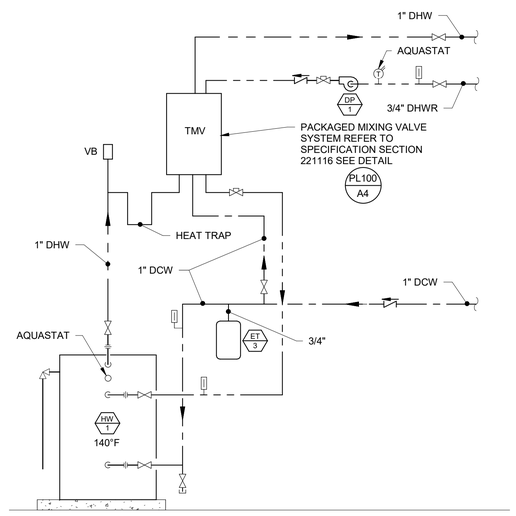
C1 | SUMP PUMP AND SUMP PIT PIPING DETAIL

NONE



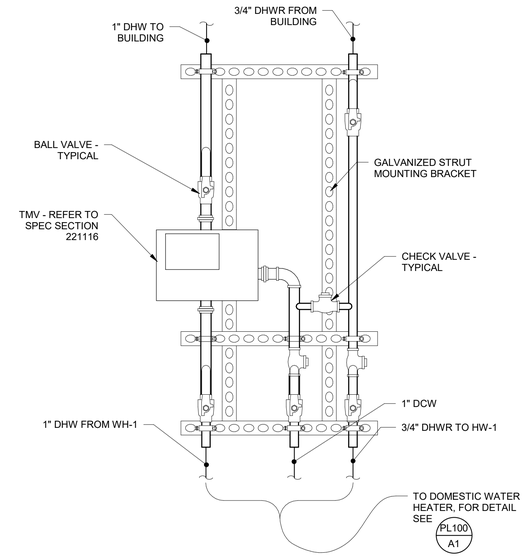
D4 | PLUMBING UNDER SLAB PIPING PLAN - BASEMENT LEVEL

1/8" = 1'-0"



A1 | DETAIL - DHW PIPING SCHEMATIC

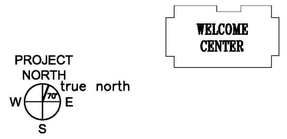
NONE



A4 | TMV - PACAKGED MIXING STATION

NONE

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

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WIN NO: 017163.02 & 017163.03

STATE OF MAINE ANTHONY S. DAVIS No. 8834 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

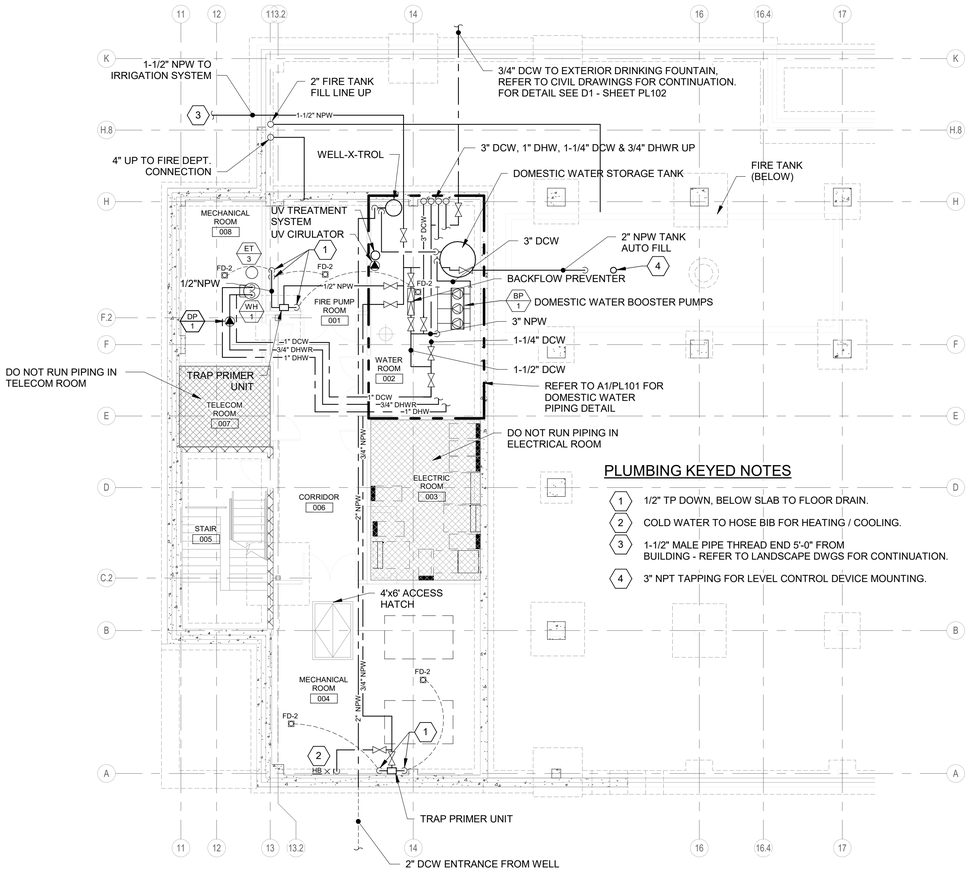
PROGRAM	-	CONSULTANT	ALLIED
PROJECT MANAGER	-	PROJECT RESIDENT	-
DESIGNER	AECOM	CONTRACTOR	-
		PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLUMBING PLAN – BASEMENT BELOW SLAB

SHEET NUMBER
PL100

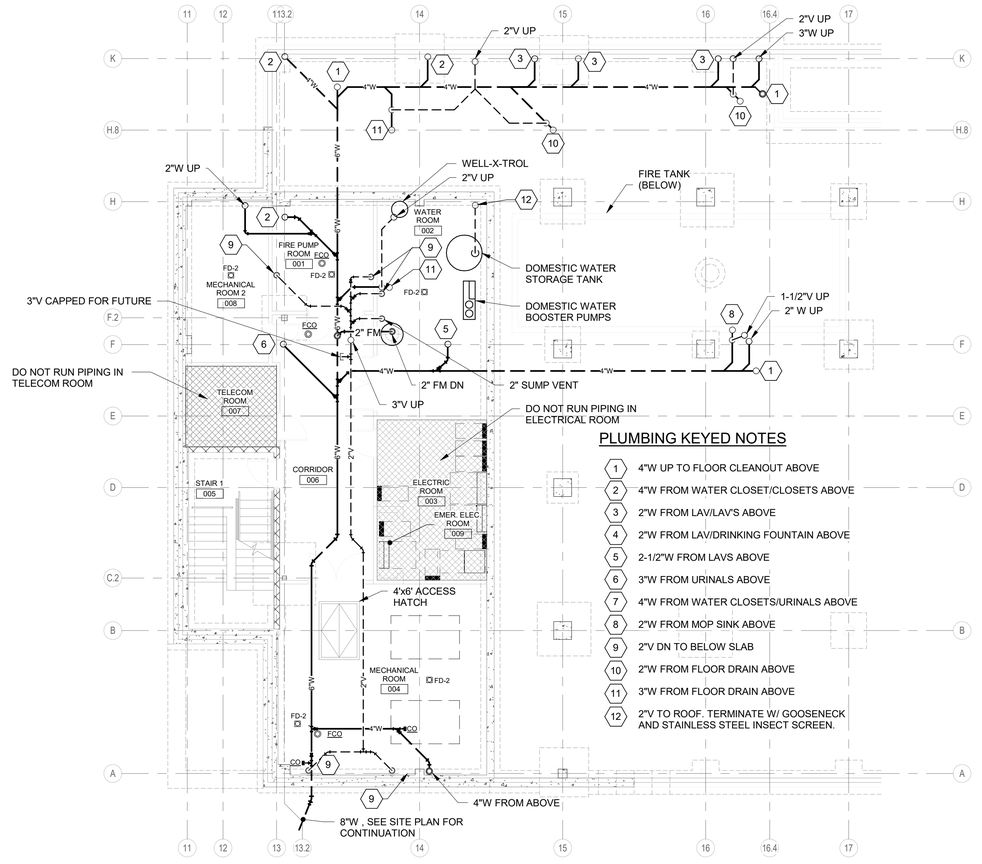
Username: -
Division: -
Date: -
Filename: -



PLUMBING KEYED NOTES

1. 1/2" TP DOWN, BELOW SLAB TO FLOOR DRAIN.
2. COLD WATER TO HOSE BIB FOR HEATING / COOLING.
3. 1-1/2" MALE PIPE THREAD END 5'-0" FROM BUILDING - REFER TO LANDSCAPE DWGS FOR CONTINUATION.
4. 3" NPT TAPPING FOR LEVEL CONTROL DEVICE MOUNTING.

D1	PLUMBING DOMESTIC PIPING ENLARGED PLAN - FIRST FLOOR
1/8" = 1'-0"	



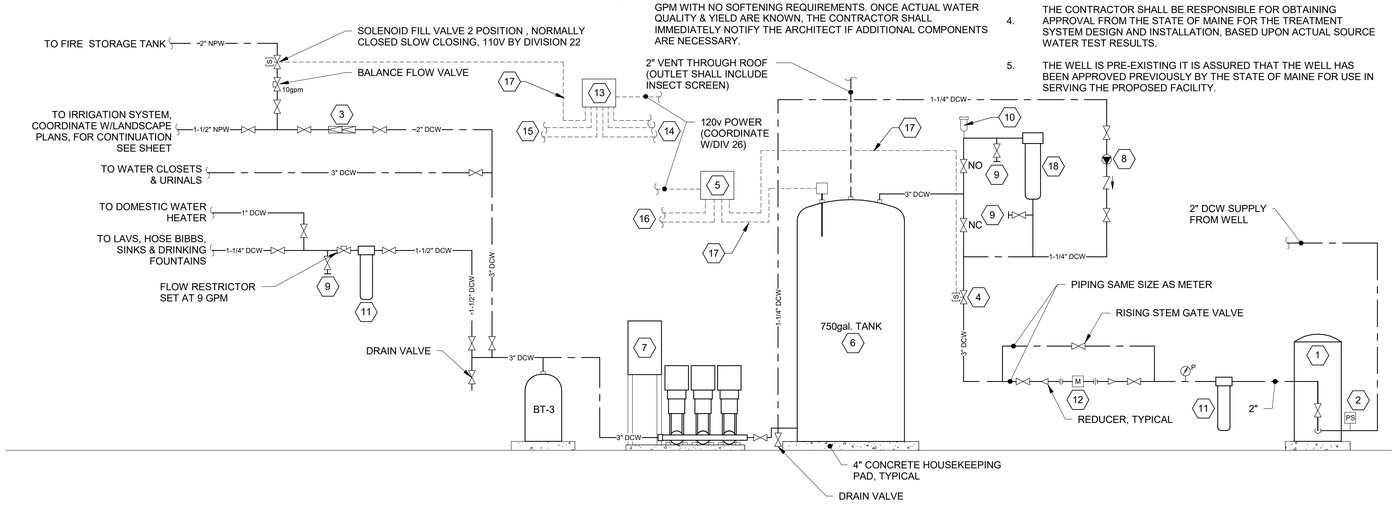
PLUMBING KEYED NOTES

1. 4"W UP TO FLOOR CLEANOUT ABOVE
2. 4"W FROM WATER CLOSET/CLOSETS ABOVE
3. 2"W FROM LAV/LAV'S ABOVE
4. 2"W FROM LAV/DRINKING FOUNTAIN ABOVE
5. 2-1/2"W FROM LAVS ABOVE
6. 3"W FROM URINALS ABOVE
7. 4"W FROM WATER CLOSETS/URINALS ABOVE
8. 2"W FROM MOP SINK ABOVE
9. 2"V DN TO BELOW SLAB
10. 2"W FROM FLOOR DRAIN ABOVE
11. 3"W FROM FLOOR DRAIN ABOVE
12. 2"V TO ROOF. TERMINATE W/ GOOSENECK AND STAINLESS STEEL INSECT SCREEN.

D6	PLMBING SANITARY PIPING ENLARGED PLAN - FIRST FLOOR
1/8" = 1'-0"	

GENERAL NOTES:

1. COORDINATE TANK LOCATION TO FACILITATE SERVICE CLEARANCE FOR ALL EQUIPMENT.
2. WATER DELIVERY SYSTEM ASSUMES A MINIMUM WELL YIELD OF 25 GPM WITH NO SOFTENING REQUIREMENTS. ONCE ACTUAL WATER QUALITY & YIELD ARE KNOWN, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IF ADDITIONAL COMPONENTS ARE NECESSARY.
3. TREATMENT SYSTEM IS SHOWN DIAGRAMMATICALLY THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE SOURCE WATER QUALITY PRIOR TO FINALIZING THE TREATMENT SYSTEM DESIGN AND SHALL NOTIFY THE OWNER IMMEDIATELY IF ADDITIONAL EQUIPMENT IS NECESSARY BASED UPON TEST RESULTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FROM THE STATE OF MAINE FOR THE TREATMENT SYSTEM DESIGN AND INSTALLATION, BASED UPON ACTUAL SOURCE WATER TEST RESULTS.
5. THE WELL IS PRE-EXISTING IT IS ASSURED THAT THE WELL HAS BEEN APPROVED PREVIOUSLY BY THE STATE OF MAINE FOR USE IN SERVING THE PROPOSED FACILITY.

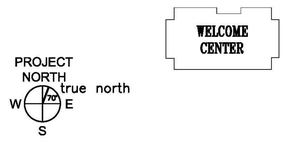


KEYED NOTES:

1. WELL-X-TROL MODEL No. WX453C CAPACITY, 264 gal. MINIMUM ACCEPTANCE VOLUME
2. PRESSURE SWITCH, ON AT 20 psi, OFF AT 30 psi.
3. 2" RPZ BACKFLOW PREVENTER, EQUAL TO WATTS 909QT
4. SOLENOID VALVE SHALL BE PIPE LINE SIZE, BRASS, EQUAL TO ASCO 8210 SERIES, NORMALLY CLOSED, 24v OR 120v ACTUATOR IS ACCEPTABLE. VALVE SHALL BE CONTROLLED VIA COMPACT RELAY CONTROLLER. VALVE SHALL BE SLOW CLOSING SOLENOID TO AVOID WATER SHOCK.
5. WATER LEVEL CONTROLLER EQUAL TO WATERLINE CONTROLS MODEL WLC-5000. BY DIV. 22.
6. 750 gal. VERTICAL MOLDED POLYETHYLENE RESIN TANK EQUAL TO CRMI MODEL 750VT. TANK SHALL BE LISTED AND APPROVED FOR POTABLE USE. INSULATE TANK PER SPECIFICATION. COORDINATE WITH TANK MANUFACTURER FOR REQUIRED TAPPING.
7. SKID-MOUNTED BOOSTER VARIABLE SPEED. REFER TO DOMESTIC WATER BOOSTER PUMP SCHEDULE AND SPECIFICATIONS.
8. UV RECIRCULATION PUMP EQUAL TO GRUNDFOS UPS 15-555FC, 115V, 87W.
9. SAMPLE PORT (1/4" JG BALL VALVE).
10. BRAUKMANN BOTTLE VENT 1/8" MALE THREADS.
11. 2" WHOLE BUILDING FILTER, BIG BLUE No. 20. INCLUDE (6) PENTEK No. ECP20-20BB PLEATED CELLULOSE 20 MICRON FILTER CARTRIDGES.
12. WATER METER SIZED FOR 0.5 gpm TO 25 gpm, EQUAL TO OMNI C2 BY SESNUS METERING SYSTEMS.
13. SPRINKLER TANK LEVEL CONTROLLER EQUAL TO WATER LINE CONTROLS MODEL WLC FPT-50. BY DIV. 22.
14. MAKE-UP VALVE CONTROL, HI ALARM & LOW ALARM FROM TANK MNTD CONTROLS BY DIV. 22 .
15. HI/LO ALARM TO FACP (BY DIV. 28).
16. HI/LO ALARM TO BAS BY DIV. 23
17. CONTROL WIRING FROM CONTROLLER TO MAKE-UP VALVE AND FROM TANK CONTROLS TO CONTROLLER BY DIV. 22.
18. UV TREATMENT SYSTEM EQUAL TO VIGUA D4 UV.

A1	DETAIL - DOMESTIC WATER ENTRANCE
NONE	

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE ANTHONY S. DAVIS No. 8834 LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

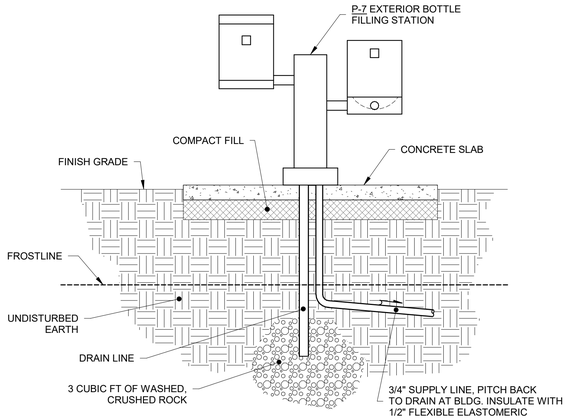
PROGRAM	
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

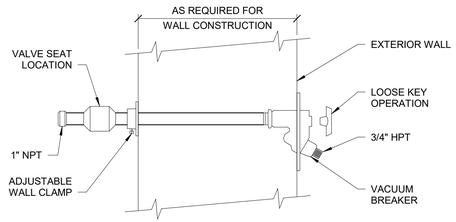
PLUMBING PART PLANS - BASEMENT

SHEET NUMBER
PL101

Username: -- Division: -- Date: -- Filename: --

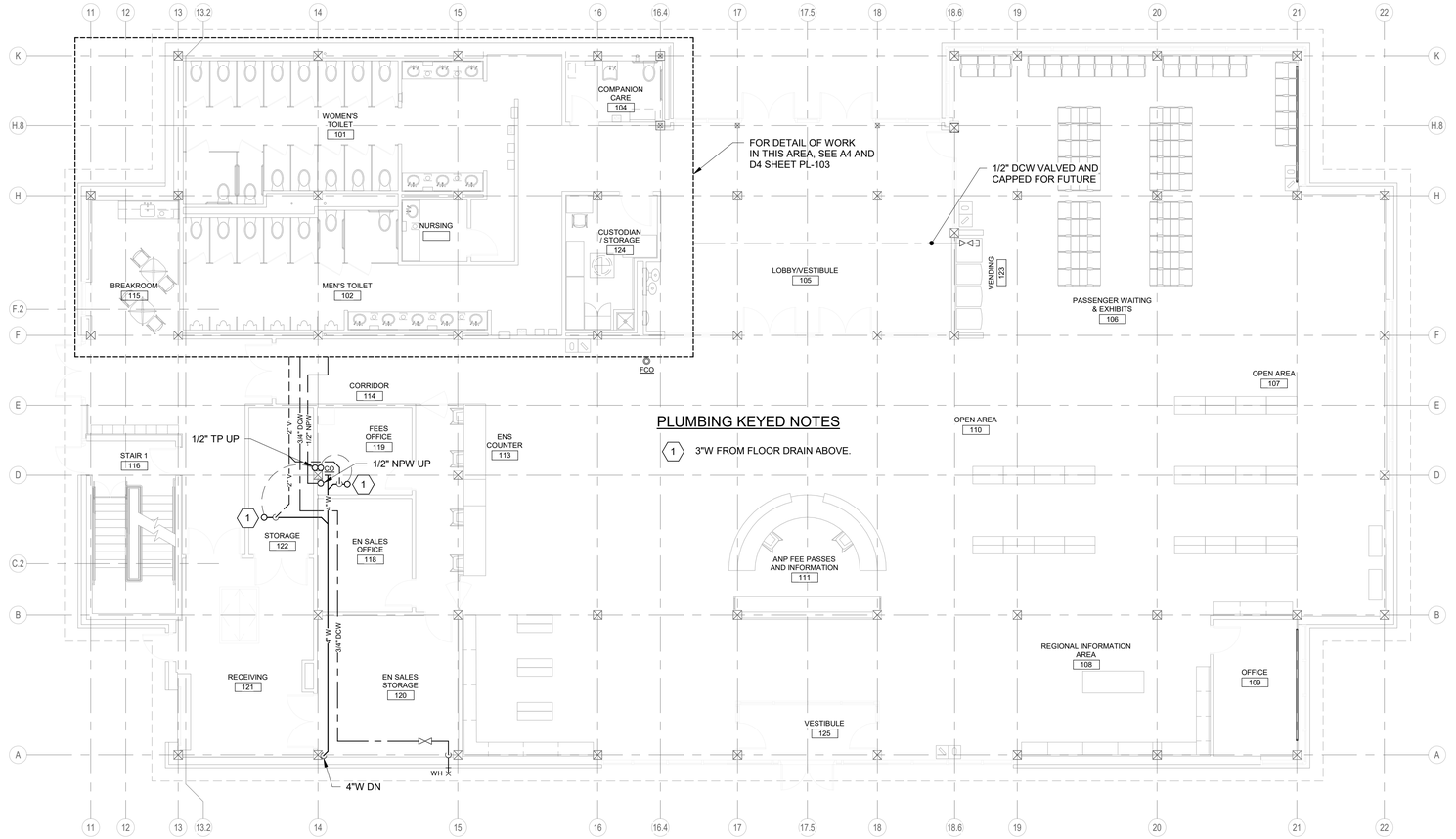


E1	DETAIL - EXTERIOR BOTTLE FILLING STATION PIPING
NONE	



NOTE:
CONCEALED WALL BOX HYDRANT IS SIMILAR.

D1	DETAIL - EXTERIOR WALL HYDRANT
NONE	

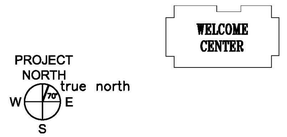


PLUMBING KEYED NOTES

1. 3"W FROM FLOOR DRAIN ABOVE.

D4	PLUMBING PLAN - FIRST FLOOR
1/8" = 1'-0"	

PROJECT KEY PLAN



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Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE ANTHONY S. DAVIS No. 8834 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

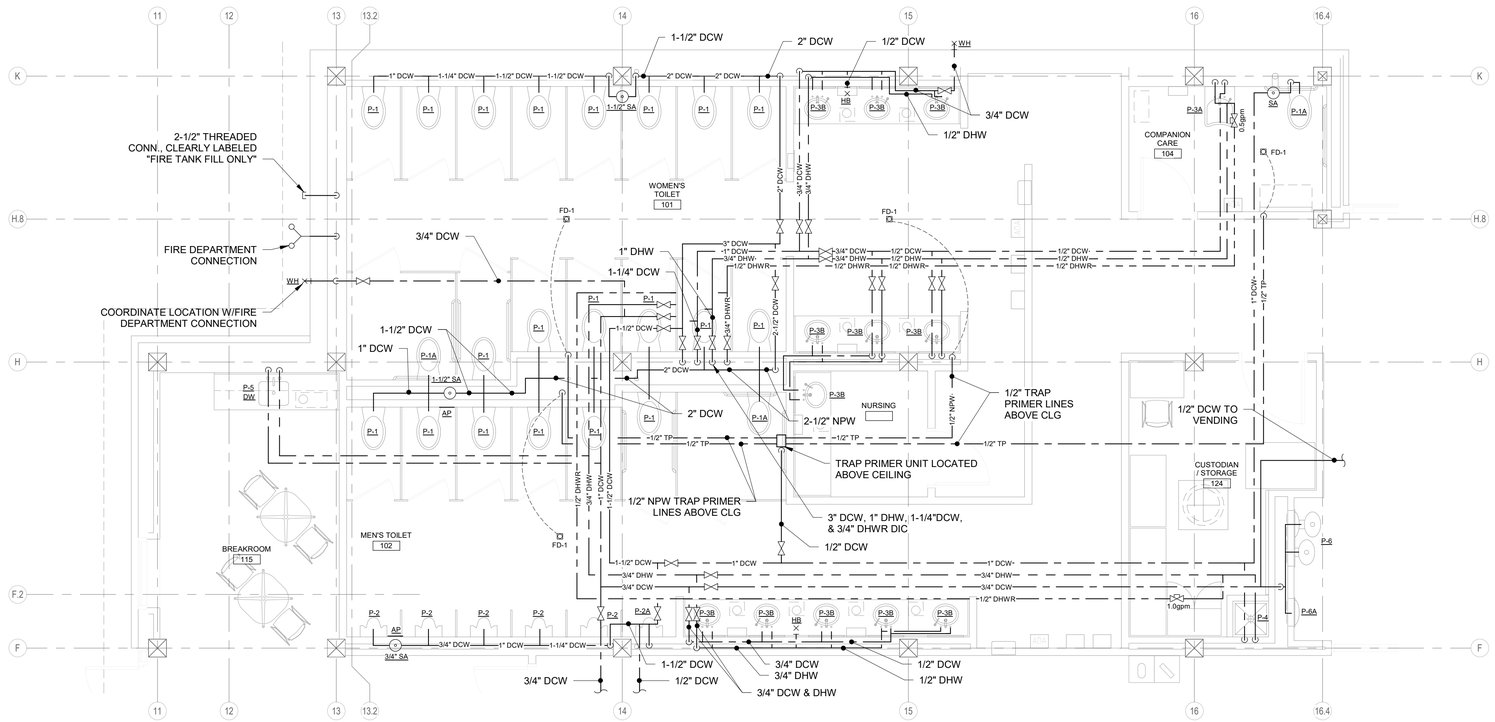
PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

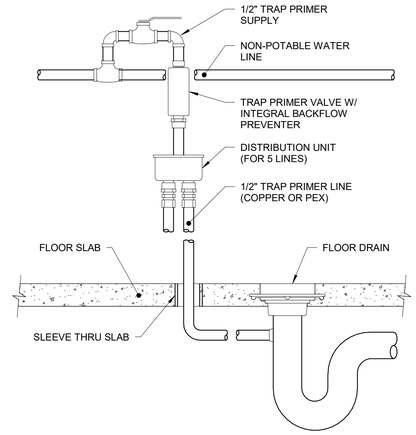
PLUMBING PLAN – FIRST FLOOR

SHEET NUMBER
PL102

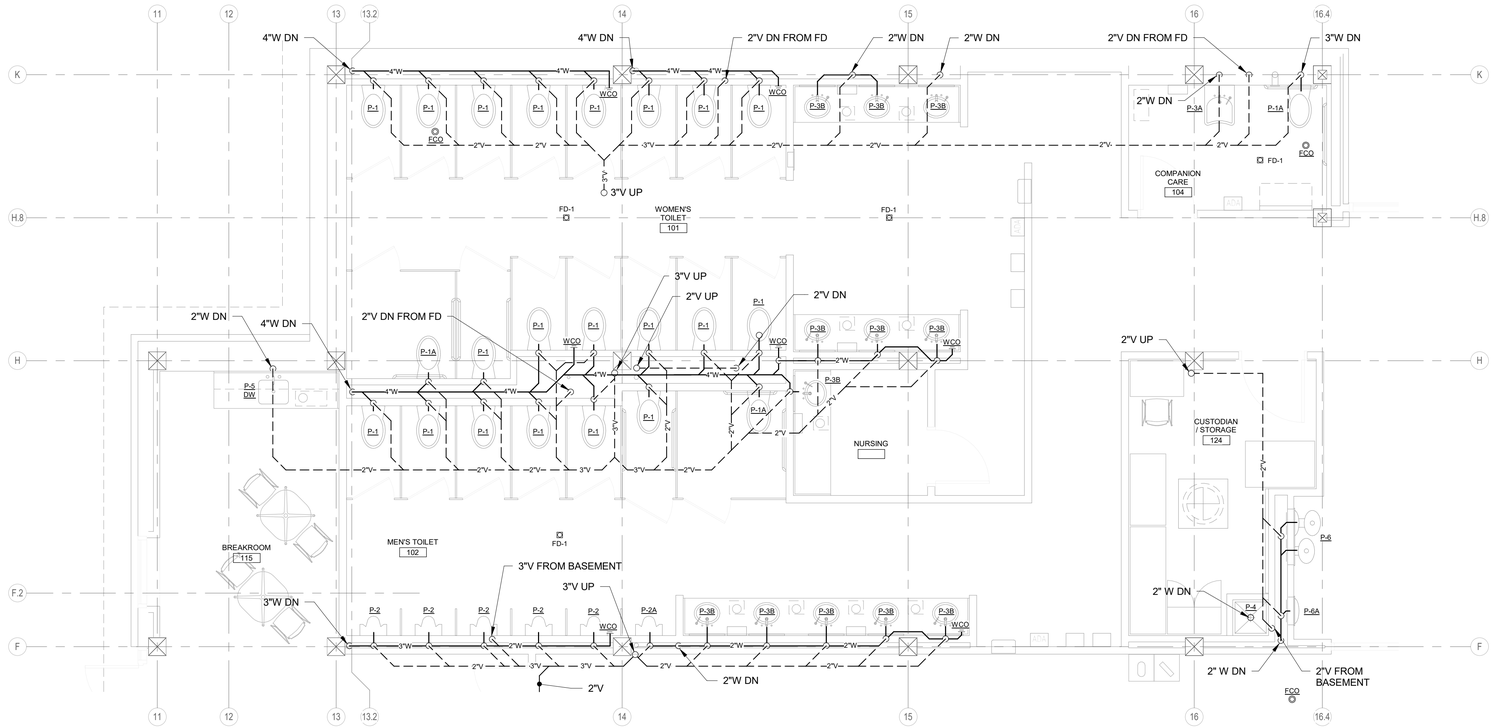
Username: --
Division: --
Date: --
Filename: --



D1	ENLARGED PLUMBING DOMESTIC PIPING PART PLAN - FIRST FLOOR
1/4" = 1'-0"	



D8	DETAIL - TRAP PRIMER PIPING
NONE	



A1	ENLARGED PLUMBING SANITARY PART PLA - FIRST FLOOR
1/4" = 1'-0"	

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STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 8834
DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
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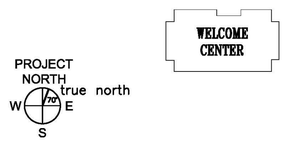
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER
ENLARGED PLUMBING PART PLANS - FIRST FLOOR

PROJECT KEY PLAN



SHEET NUMBER
PL103

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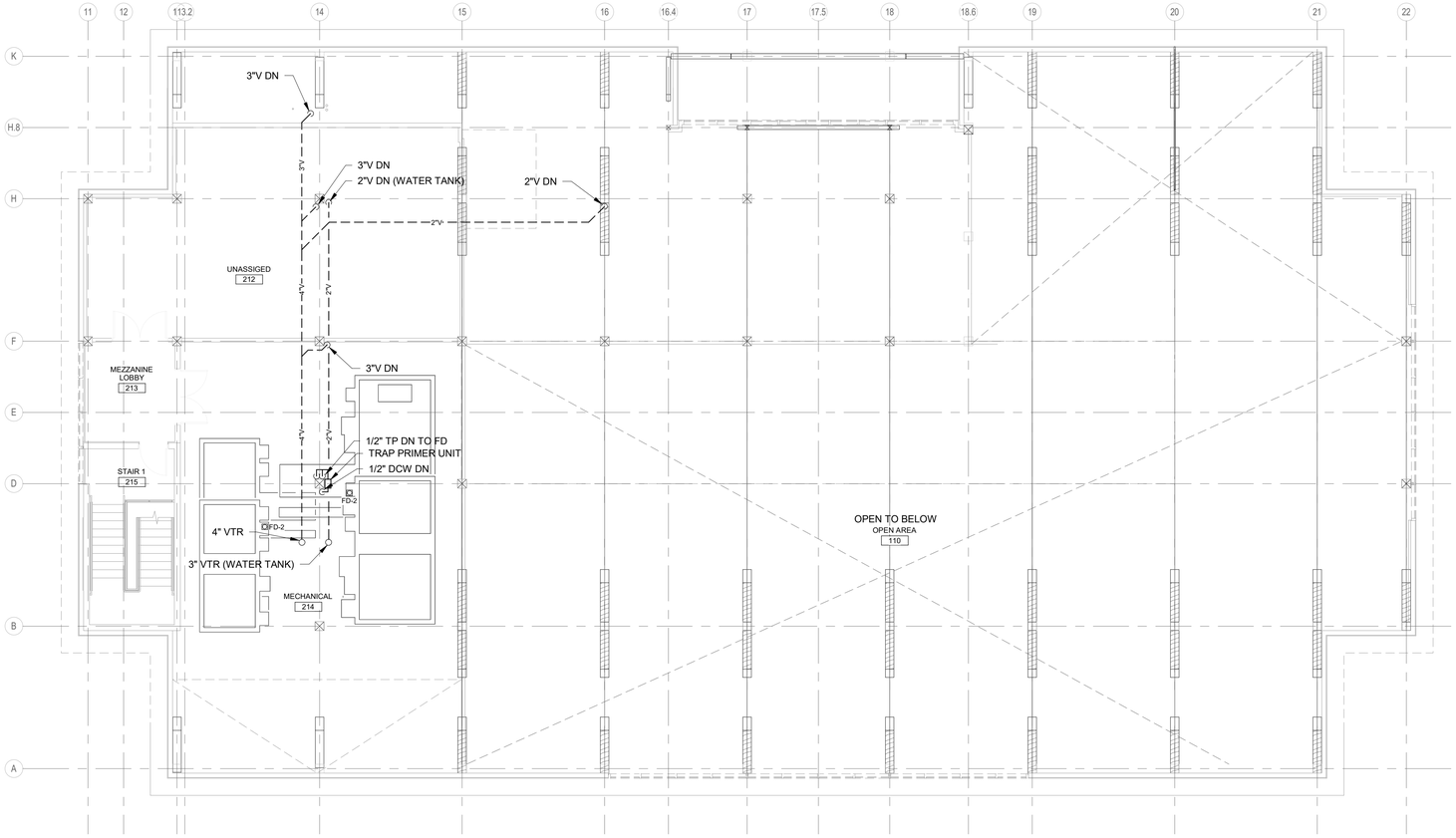
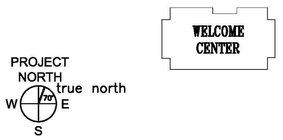


PROJECT KEY PLAN



A1	PLUMBING PLAN - MEZZANINE
1/8" = 1'-0"	

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MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLUMBING PLAN – MEZZANINE

SHEET NUMBER
PL104

Filename: -
Date: -
Division: -
Username: -

PACKAGE DOMESTIC WATER BOOSTER PUMP SCHEDULE

TAG	LOCATION	MFG.	MODEL	TYPE	CIRCULATING FLUID							PUMP SHUT OFF PRESSURE	OULET BUFFER TANK ACCEPTANCE VOLUME	ELECTRICAL MOTOR					
					FLUID	NO PUMPS	FLOW EA. PUMP	HEAD EA. PUMP	MIN NPSH REQ	TEMPERATURE	SP GR			NOMINAL POWER, EA.	PHASE	VOLT	MAX RPM	SPEED CONTROL	
							GPM	FT		°F		PSIG	GAL	HP					
BP-1	MECH ROOM	GRUNDFOS	MPC E 3CRE 15-3 (3 PUMPS PARALLEL)	MultiStage	DOMESTIC COLD WATER	3	73	140	4.59	50	1	85	60	7.5	3	460	3599	VARIABLE	

PLUMBING PUMP SCHEDULE

TAG	SERVES	MAKE & MODEL	TYPE	GPM	HEAD	ELECTRICAL		BASIN						NOTES
						MOTOR HP	VOLTS/PH (60 Hz.)	DIA.	HEIGHT	GAL.	INLET TYPE	INLET SIZE	DISCH SIZE	
DP-1	DHW RECIRC	TACO IL 0011	IN LINE	1.5	26	1/8	115/1	---------	---------	---------	---------	3/4"	3/4"	1
SP-1	SUMP PUMP	ZOELLER N152	SUBMERSIBLE	53	15	0.4	115/1	18"	30"	30	PIPED TRHU BASIN	4	1 1/2"	2
NOTES:														
1	POWER SUPPLY TO STARTER/CONTACTOR AND DISC SWITCH BY DIV 26. REFER TO SPECIFICATION SECTION 221116 FOR CONTROL REQUIREMENTS													
2	PLUG CONNECTION, COORDINATE WITH DIV 26.													

ELECTRIC DHW HEATER SCHEDULE - STORAGE TYPE

TAG	MANUFACTURER	MODEL	ELEC	HEAT INPUT (WATTS)	AMPS	ELEMENTS	1ST HOUR RECOVERY FLOW	TEMP RISE (DEG-F)	WATER STORAGE (GAL)	HEIGHT (INCHES)	DIA	NOTES
WH-1	AO SMITH	DRE-52-9	480/3/60	9,000	10.8	3.0	77 GPH	100	50	55.75"	21.75"	1, 2
NOTES:												
1. DISCONNECT SWITCH BY DIV. 26.												
2. PIPE T & P RELIEF VALVE TO DRAIN.												

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	BRANCH SIZES				NOTES
		CW	HW	V	W	
P-1	WATER CLOSET, WALL MOUNT	1"	-	2"	3"	
P-1A	WATER CLOSET, WALL MOUNT ~ ADA	1"	-	2"	3"	
P-2	URINAL	1/2"	-	1-1/2"	2"	
P-2A	URINAL ~ ADA	1/2"	-	1-1/2"	2"	
P-3A	LAVATORY, WALL MOUNT ~ ADA	3/8"	3/8"	1-1/2"	2"	
P-3B	LAVATORY, UNDER-MOUNT SS ~ ADA	3/8"	3/8"	1-1/2"	2"	
P-4	JANITOR SINK	3/4"	3/4"	1-1/2"	2"	
P-5	UNDER MOUNT SINGLE BOWL SS ~ ADA	1/2"	1/2"	1-1/2"	2"	
P-6	BI-LEVEL ELECTRIC WATER COOLER ~ ADA	1/2"	-	1-1/2"	1-1/2"	
P-6A	BOTTLE FILLING STATION WATER COOLER ~ ADA	1/2"	-	1-1/2"	1-1/2"	
P-7	OUTDOOR WATER BOTTLE FILL STATION	1/2"	-	-	-	
HB	HOSE BIBB	3/4"	-	-	-	
WH	WALL HYDRANT	3/4"	-	-	-	
TP	TRAP PRIMER	1/2"	-	-	-	TO FLOOR DRAINS
FD-1	FLOOR DRAIN	-	-	1-1/2"	2"	
FD-2	FLOOR DRAIN	-	-	2"	3"	
DW	DISH WASHER HOOK-UP	-	1/2"	-	1-1/2"	PROVIDE DISHWASHER AIR GAP FITTING AT SINK TAIL PIECE & SHOCK ABSORBER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PLUMBING SCHEDULES

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SHEET NUMBER
PL600

Allied Engineering
Structural Mechanical Electrical Plumbing
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Allied Project No: 12069 | Cad File:

AECOM
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BOSTON, MA 02110
617.723.1700
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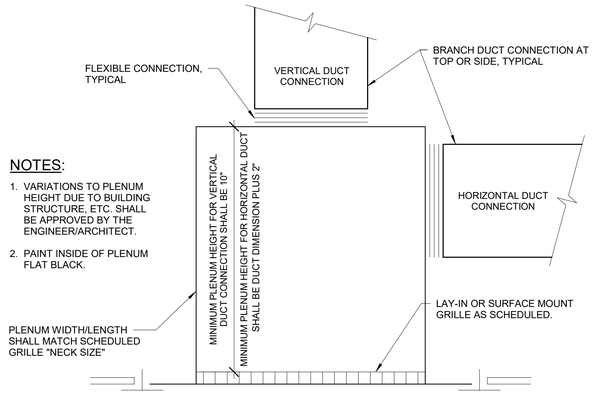
A1 | PLUMBING SCHEDULES

NONE

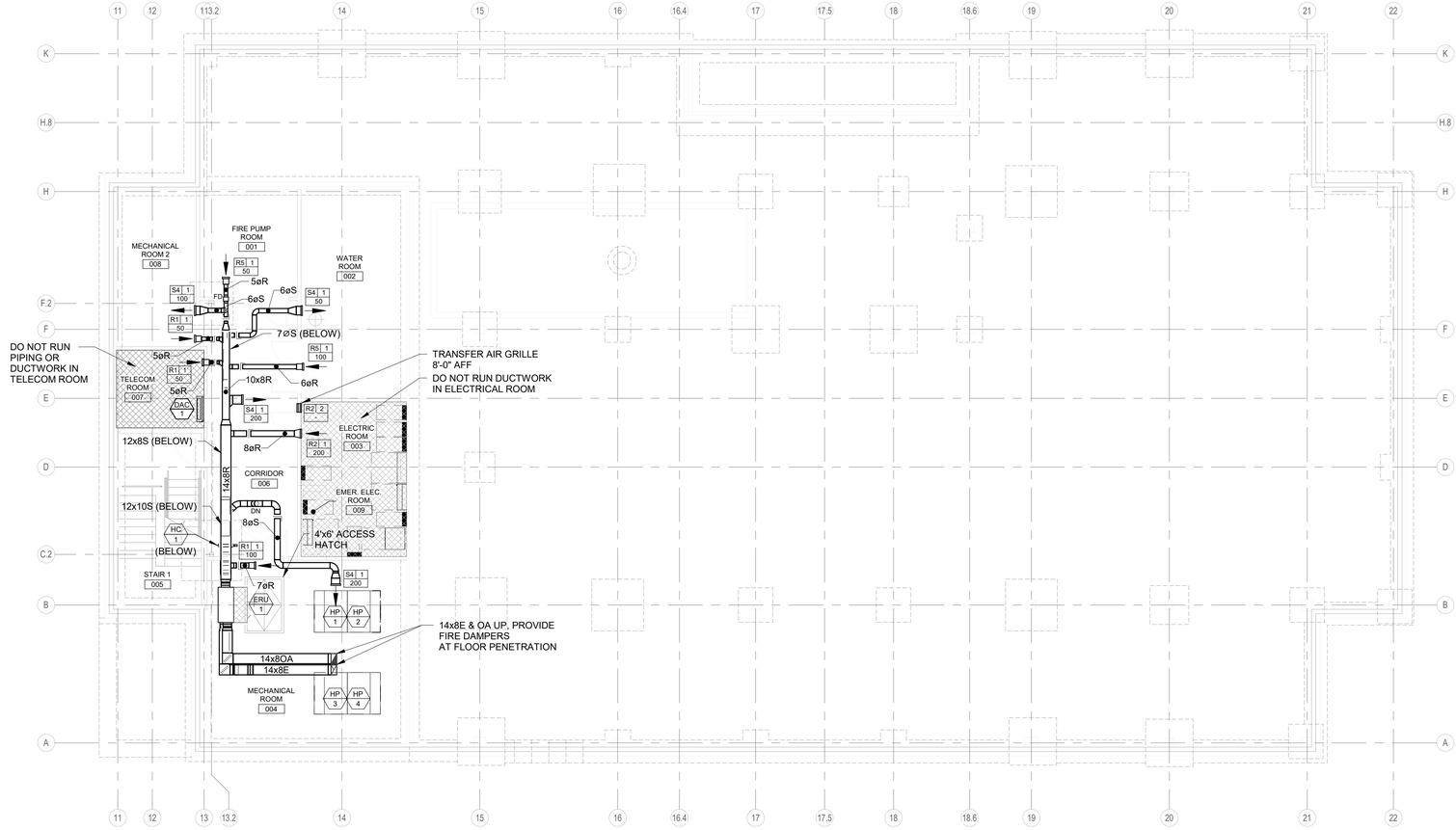
Filename: - Date: - Division: - Username: -



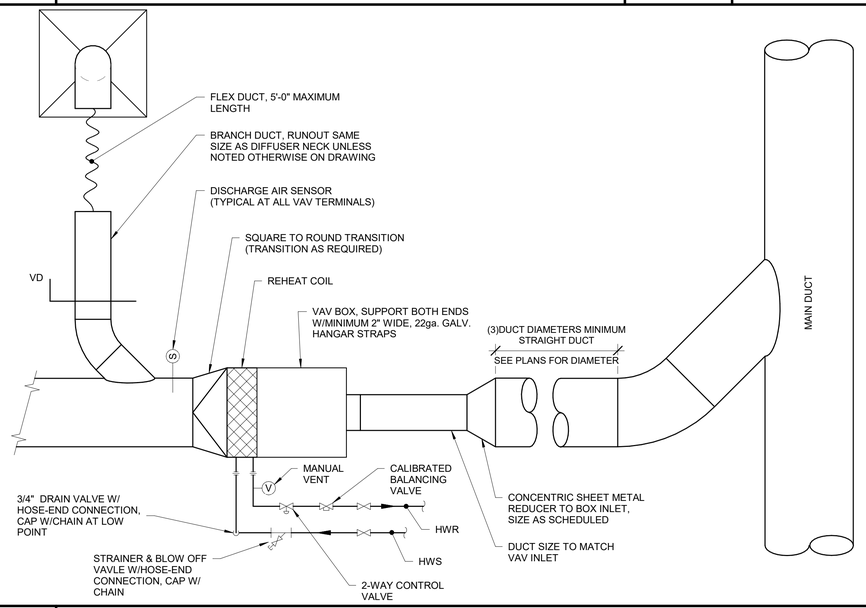
NOTES:

1. VARIATIONS TO PLENUM HEIGHT DUE TO BUILDING STRUCTURE, ETC. SHALL BE APPROVED BY THE ENGINEER/ARCHITECT.
2. PAINT INSIDE OF PLENUM FLAT BLACK.

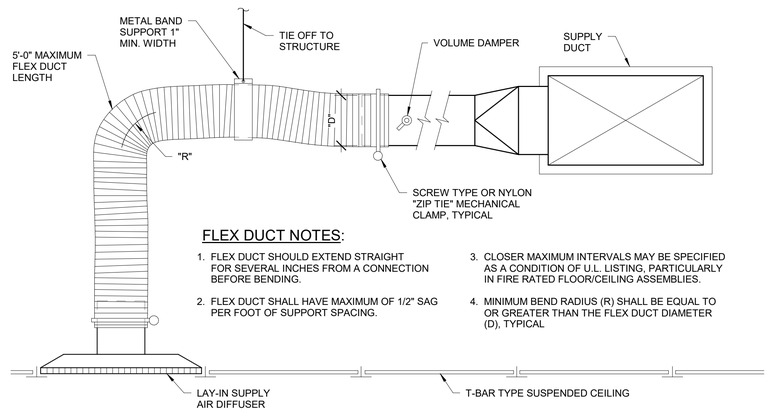
C1	DETAIL - RETURN AIR REGISTER BOOT
NONE	



D4	MECHANICAL PLAN - BASEMENT LEVEL
1/8" = 1'-0"	



A1	DETAIL - VAV BOX SCHEMATIC
NONE	

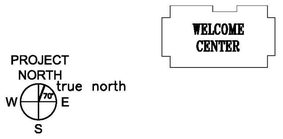


FLEX DUCT NOTES:

1. FLEX DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM A CONNECTION BEFORE BENDING.
2. FLEX DUCT SHALL HAVE MAXIMUM OF 1/2" SAG PER FOOT OF SUPPORT SPACING.
3. CLOSER MAXIMUM INTERVALS MAY BE SPECIFIED AS A CONDITION OF U.L. LISTING, PARTICULARLY IN FIRE RATED FLOOR/CEILING ASSEMBLIES.
4. MINIMUM BEND RADIUS (R) SHALL BE EQUAL TO OR GREATER THAN THE FLEX DUCT DIAMETER (D), TYPICAL

A5	DETAIL - SUPPLY AIR BRANCH CONNECTION
NONE	

PROJECT KEY PLAN



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Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE ANTHONY S. DAVIS No. 8834 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

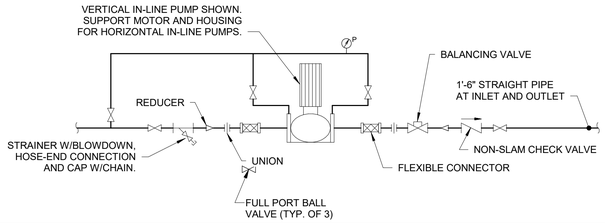
PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	DATE

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MECHANICAL PLAN
– BASEMENT LEVEL

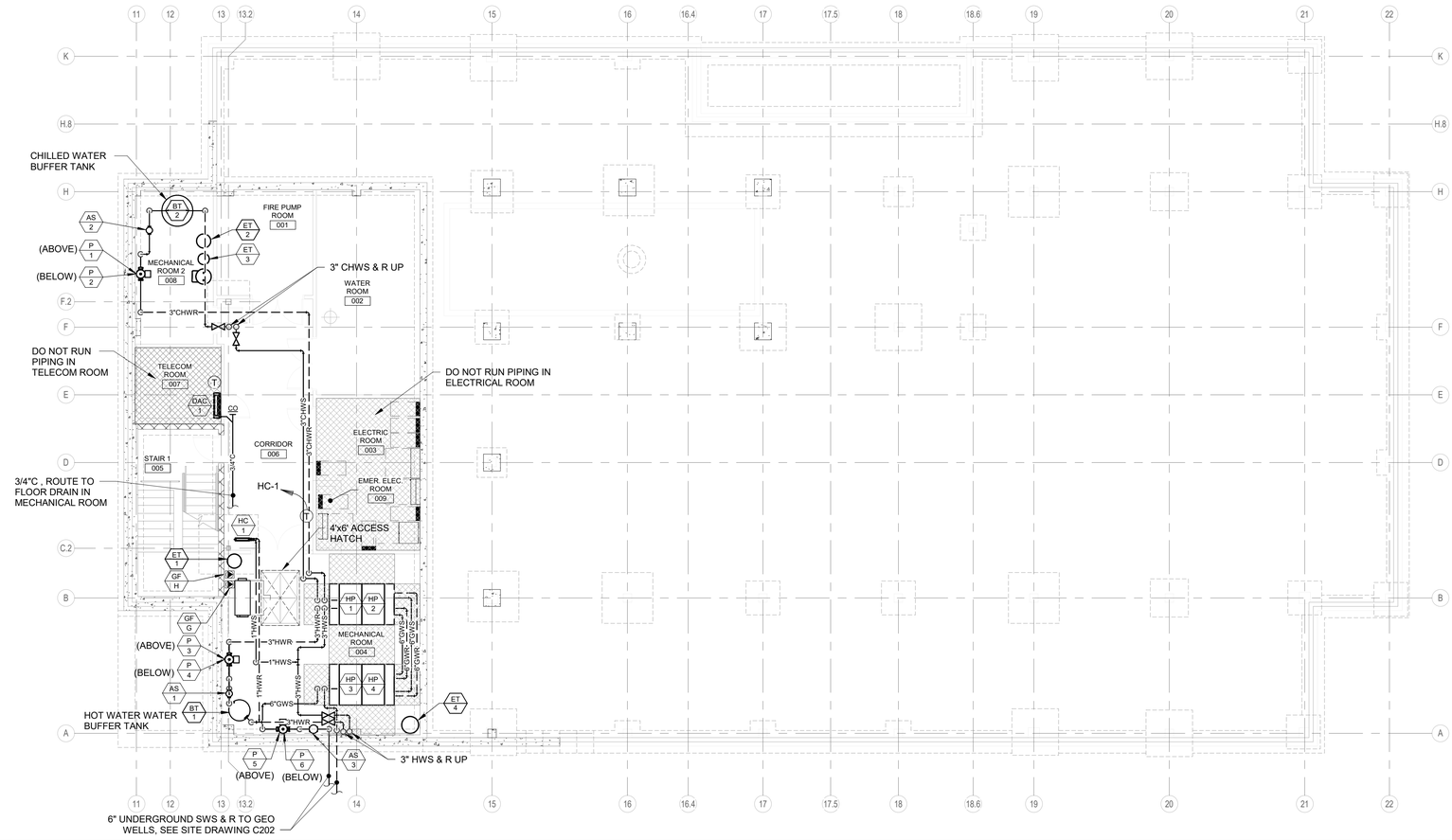
SHEET NUMBER
MH100

Username: –
Division: –
Date: –
Filename: –



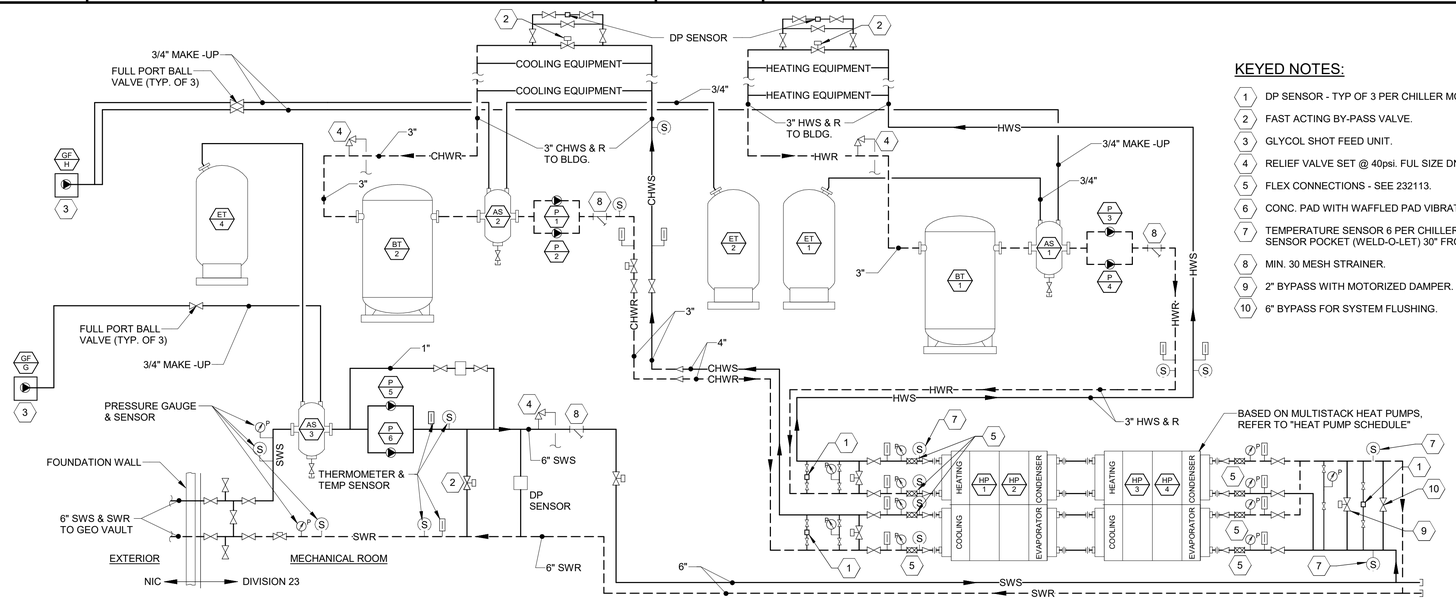
D1 DETAIL - VERTICAL IN-LINE PUMP

NONE



D4 MECHANICAL PIPING PLAN - BASEMENT LEVEL

1/8" = 1'-0"



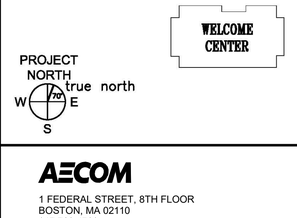
A1 GEOTHERMAL HEATING/COOLING PIPING SCHEMATIC

NONE

KEYED NOTES:

1. DP SENSOR - TYP OF 3 PER CHILLER MODULE.
2. FAST ACTING BY-PASS VALVE.
3. GLYCOL SHOT FEED UNIT.
4. RELIEF VALVE SET @ 40psi. FUL SIZE DN TO 6" AFF.
5. FLEX CONNECTIONS - SEE 232113.
6. CONC. PAD WITH WAFFLED PAD VIBRATION ISOLATION.
7. TEMPERATURE SENSOR 6 PER CHILLER MODULE. PROVIDE SENSOR POCKET (WELD-O-LET) 30" FROM END OF HP.
8. MIN. 30 MESH STRAINER.
9. 2" BYPASS WITH MOTORIZED DAMPER.
10. 6" BYPASS FOR SYSTEM FLUSHING.

PROJECT KEY PLAN



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STATE OF MAINE
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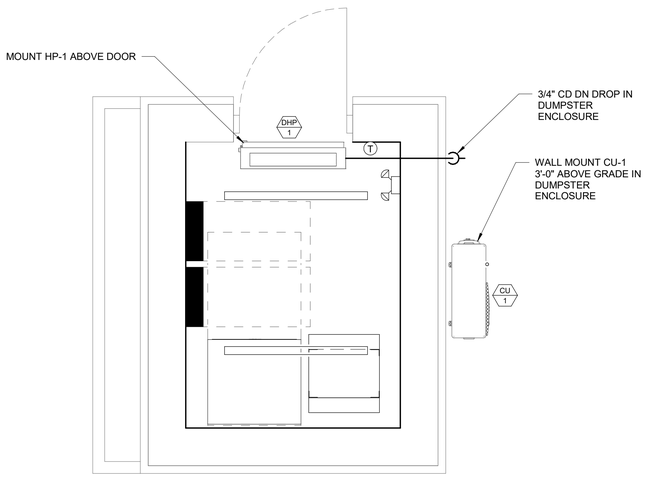
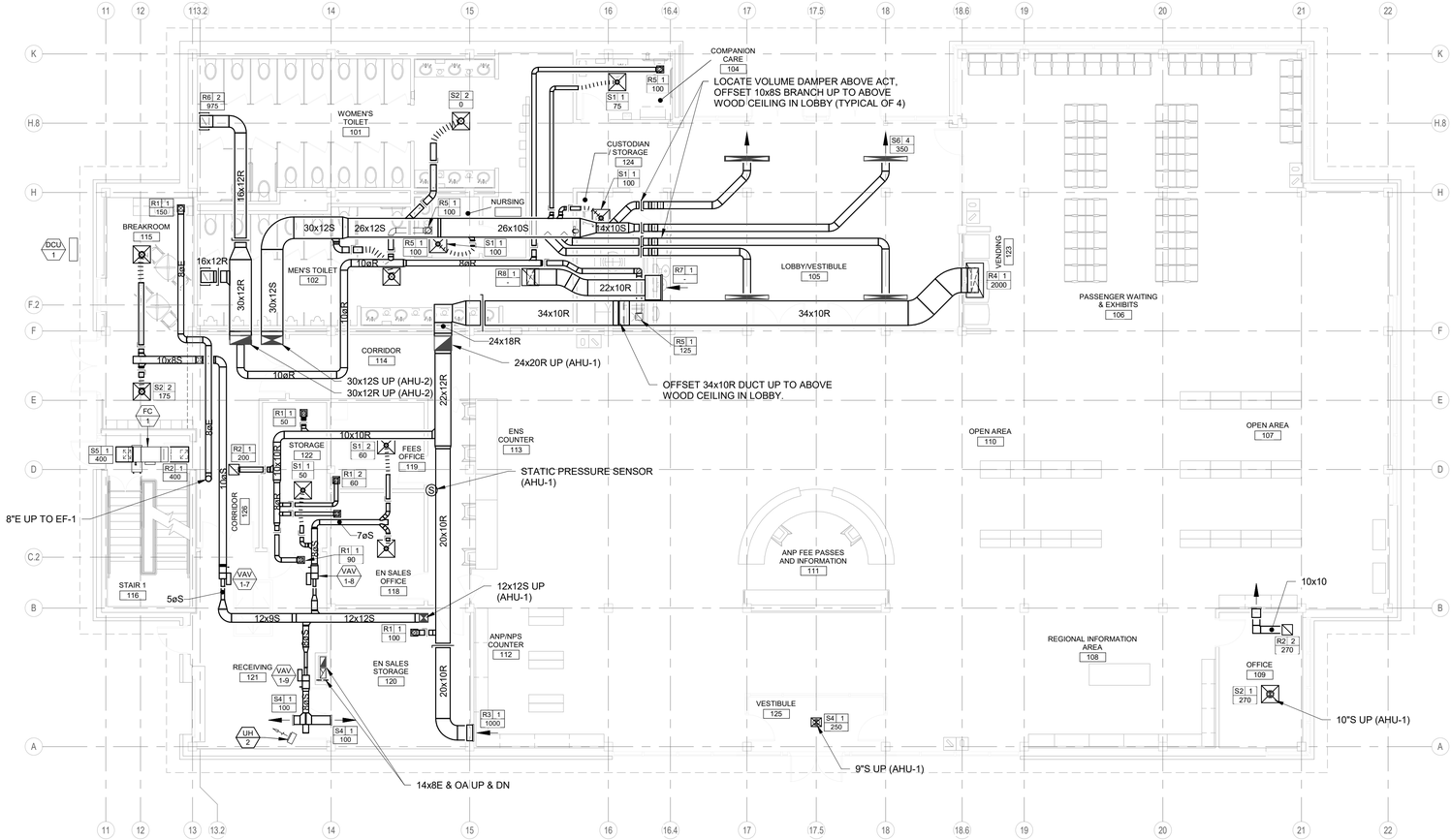
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MECHANICAL PIPING PLAN — BASEMENT LEVEL

SHEET NUMBER
MP100

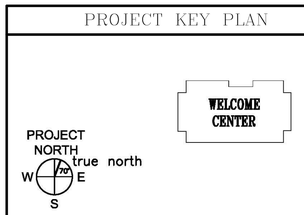
Username: --
Division: --
Date: --
Filename: --





C1	EV CHARGING BUILDING - MECHANICAL ENLARGEMENT	D4	MECHANICAL PLAN - FIRST FLOOR
1/2" = 1'-0"		1/8" = 1'-0"	

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MECHANICAL PLAN
— FIRST FLOOR

SHEET NUMBER
MH101

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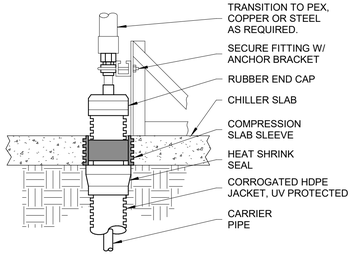
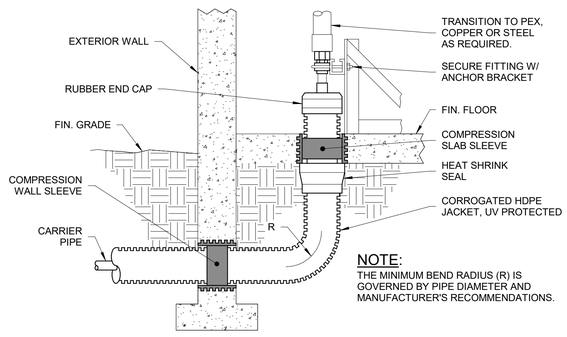
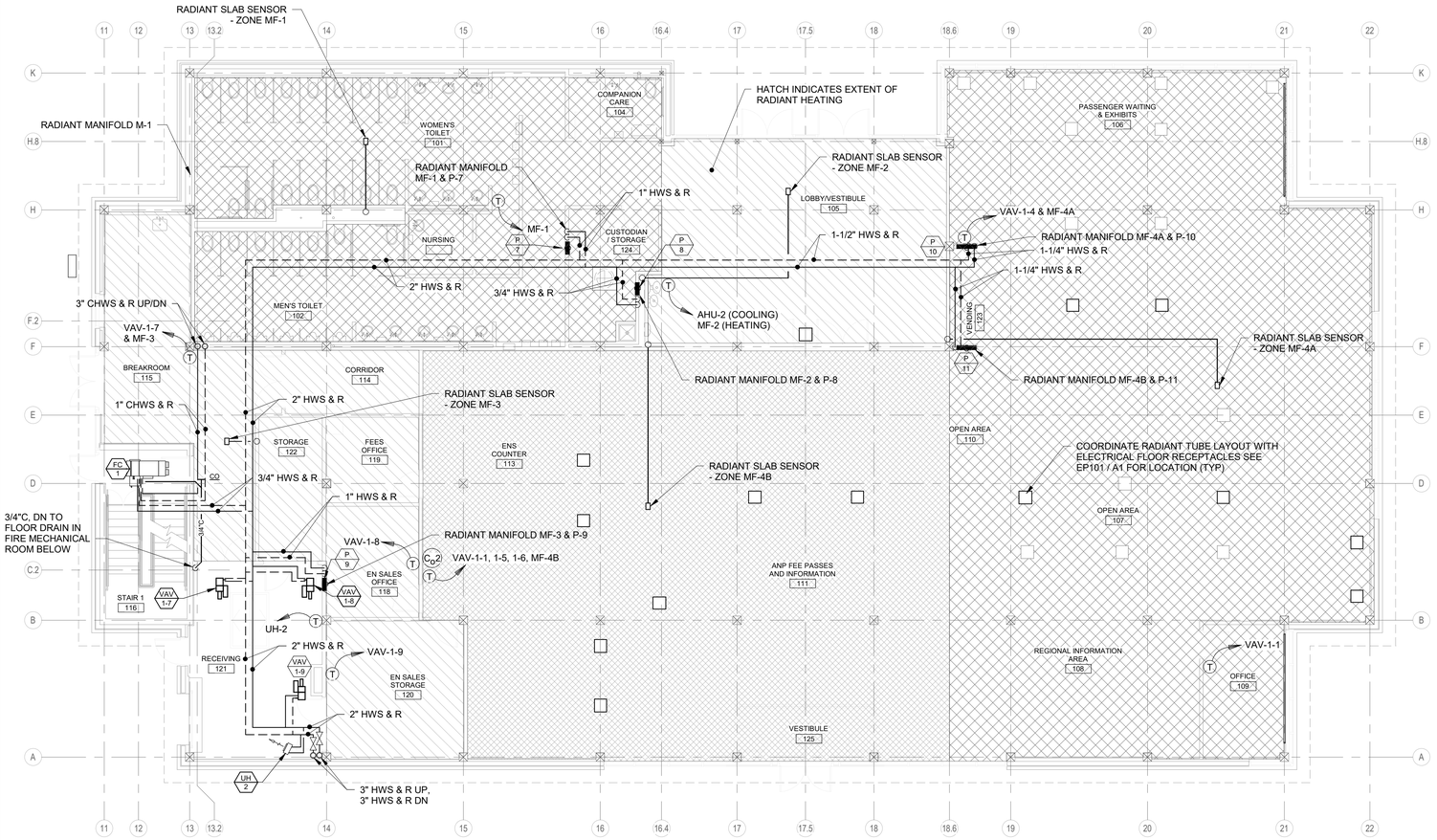


F1	DETAIL - CHWS/R PIPE PENETRATION AT CHILLER SLAB
NONE	

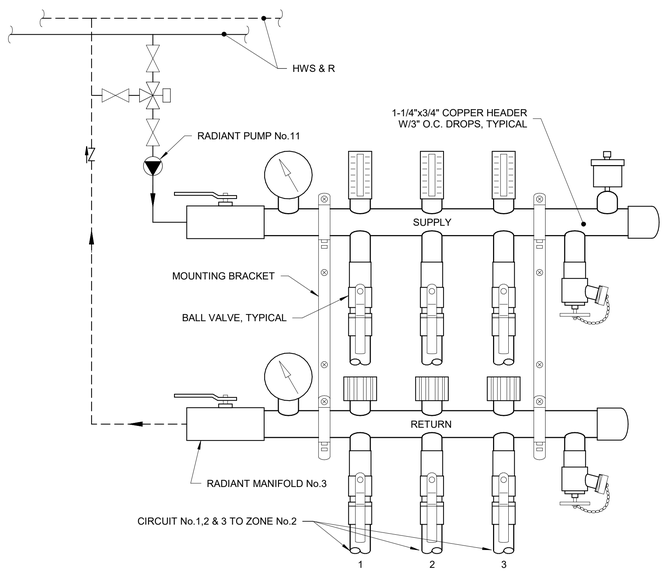


NOTE:
THE MINIMUM BEND RADIUS (R) IS GOVERNED BY PIPE DIAMETER AND MANUFACTURER'S RECOMMENDATIONS.

C1	DETAIL - PRE-INSULATED FLEXIBLE UNDERGROUND CHWS/R PIPE ENTRANCE
NONE	

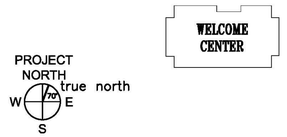


D4	MECHANICAL PIPING PLAN - FIRST FLOOR
1/8" = 1'-0"	



A1	DETAIL - RADIANT MANIFOLD PIPING
NONE	

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

STATE OF MAINE — ANTHONY S. DAVIS No. 8834 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

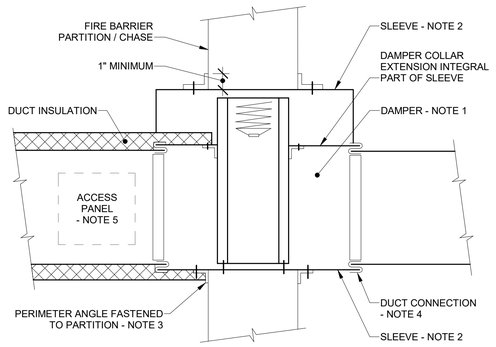
PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MECHANICAL PIPING PLAN – FIRST FLOOR

SHEET NUMBER
MP101

Username: --
Division: --
Date: --
Filename: --



NOTES:

1. VERTICAL DAMPER INSTALLATION SHOWN - HORIZONTAL DAMPER INSTALLATION SIMILAR. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS, GAUGES OF SLEEVE AND PERIMETER ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE OF THE PENETRATION.

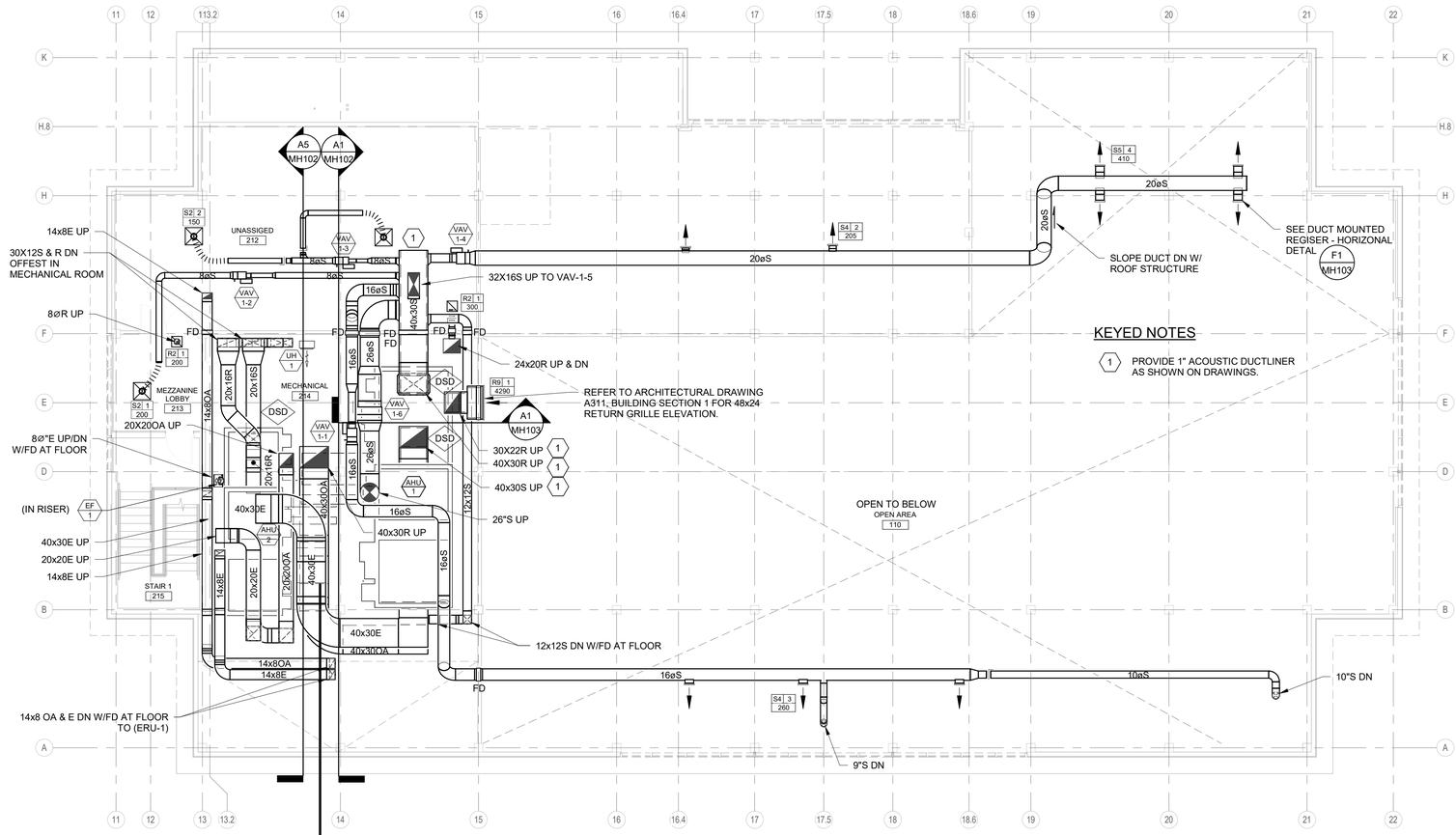
2. GALVANIZED SLEEVE - GAUGE OF NOT LESS THAN THAT OF THE CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME / PERIMETER ANGLES.

3. PERIMETER ANGLES - GALVANIZED STEEL OF NOT LESS THAN 1-1/2"x1-1/2" - 14 GAUGE TO PROVIDE 1" MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES.

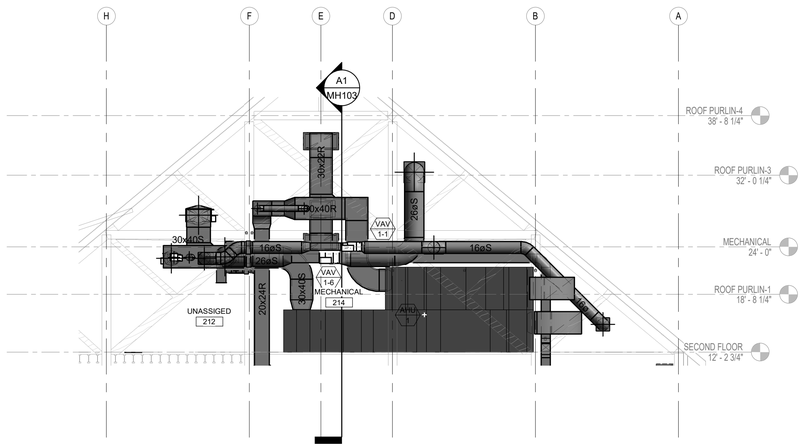
4. BREAK-AWAY DUCT CONNECTION - CONTRACTOR'S OPTION OF TYPE AS SHOWN IN SMACNA LPDS, FIGURE 2-13, SEAL JOINTS.

5. ACCESS PANELS - SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.

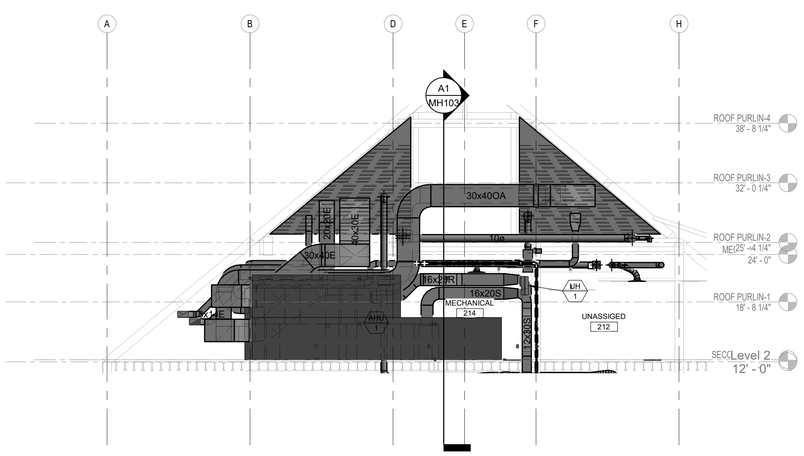
D1	TYPICAL FIRE DAMPER
NONE	



D4	MECHANICAL PLAN - MEZZANINE
1/8" = 1'-0"	

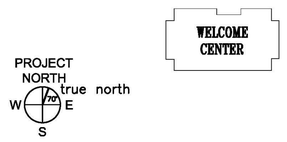


A1	MECHANICAL ROOM SECTION 1
1/8" = 1'-0"	



A5	MECHANICAL ROOM SETION 2
1/8" = 1'-0"	

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

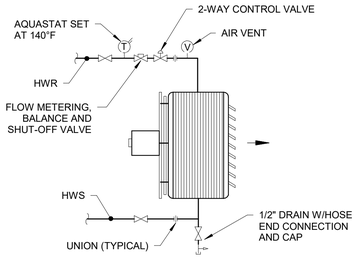
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

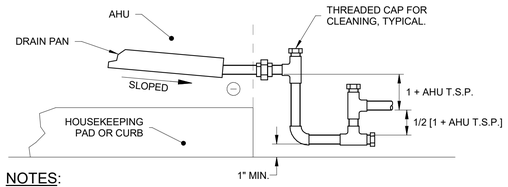
MECHANICAL PLAN
– MEZZANINE

SHEET NUMBER
MH102

Username: -
Division: -
Date: -
Filename: -



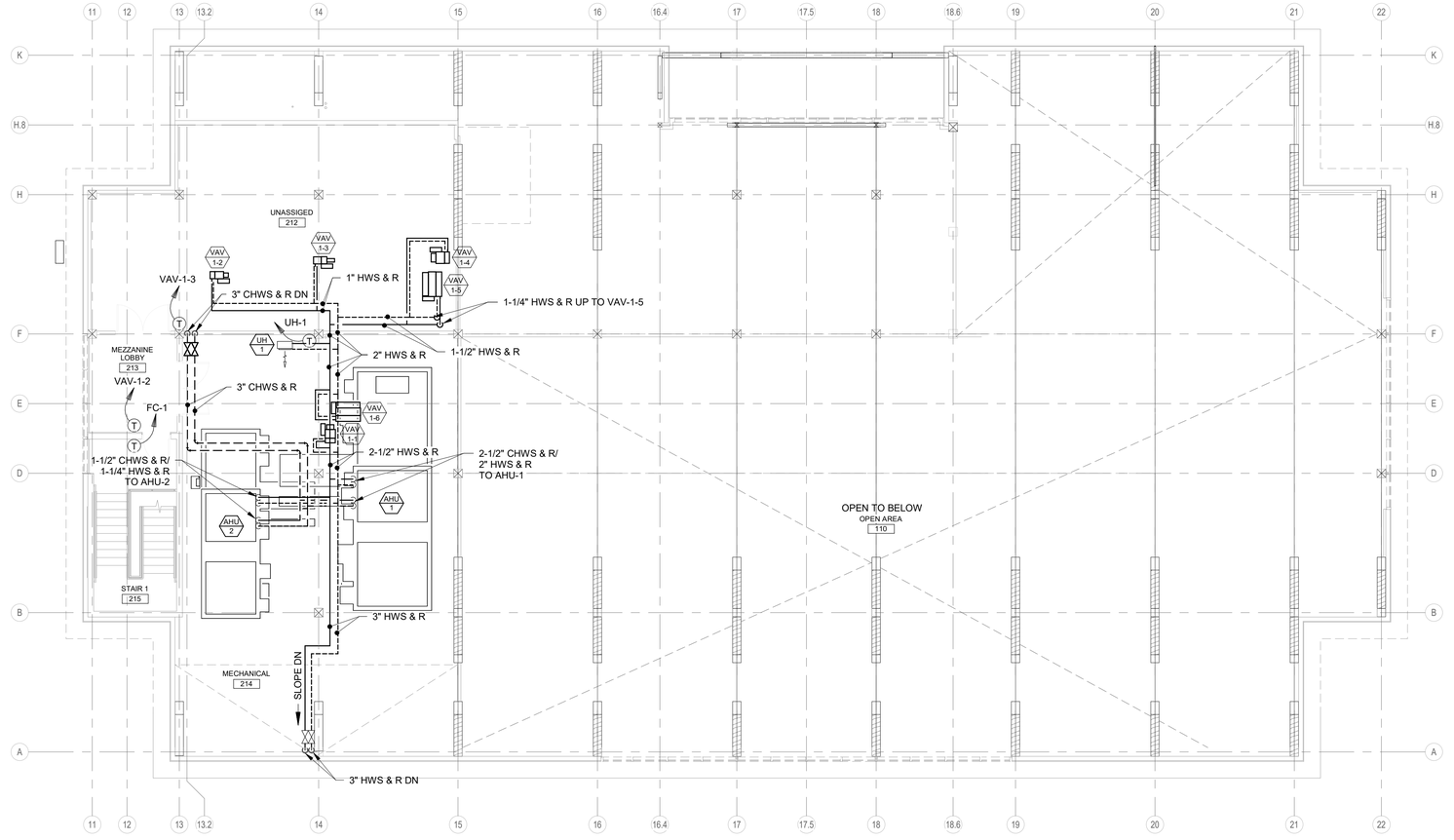
F1	DETAIL - UNIT HEATER PIPING
NONE	



NOTES:

1. 1"ø PIPE MINIMUM. OR SIZE PER DRAIN TAP IN AHU. INSULATE FOR CONDENSATE CONTROL AS REQUIRED BY SPECIFICATIONS DIVISION 230700.
2. PAD HEIGHT DETERMINED BY MINIMUM SPACE REQUIRED TO INSTALL TRAP.
3. ROUTE AHU CONDENSATE PIPE TO FLOOR DRAIN PROVIDED.

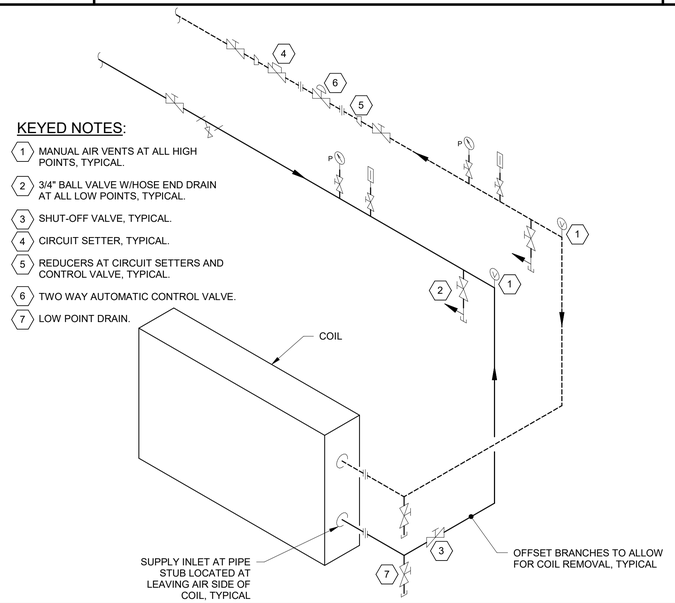
D1	DETAIL - TYPICAL CONDENSATE DRAIN PAN PIPING
NONE	



D4	MECHANICAL PIPING PLAN - MEZZANINE
1/8" = 1'-0"	

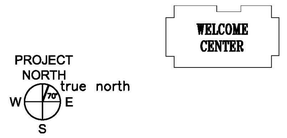
KEYED NOTES:

1. MANUAL AIR VENTS AT ALL HIGH POINTS, TYPICAL.
2. 3/4" BALL VALVE W/HOSE END DRAIN AT ALL LOW POINTS, TYPICAL.
3. SHUT-OFF VALVE, TYPICAL.
4. CIRCUIT SETTER, TYPICAL.
5. REDUCERS AT CIRCUIT SETTERS AND CONTROL VALVE, TYPICAL.
6. TWO WAY AUTOMATIC CONTROL VALVE.
7. LOW POINT DRAIN.



A1	DETAIL - HYDRONIC COIL PIPING SCHEMATIC - 2-WAY VALVE
NONE	

PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

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WIN NO: 017163.02 & 017163.03

STATE OF MAINE ANTHONY S. DAVIS No. 8834 REGISTERED PROFESSIONAL ENGINEER

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MAINE DEPARTMENT OF TRANSPORTATION

ACADIA GATEWAY FACILITY

INTERMODAL AND WELCOME CENTER

MECHANICAL PIPING PLAN – MEZZANINE

SHEET NUMBER

MP102

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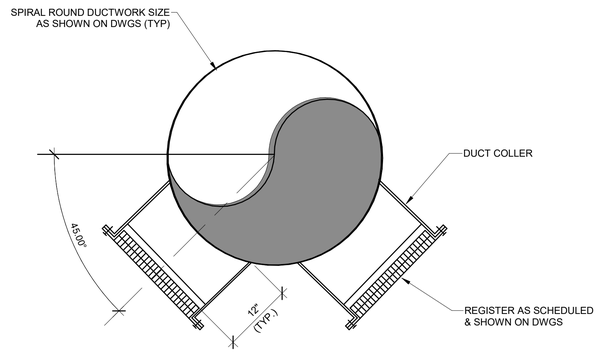
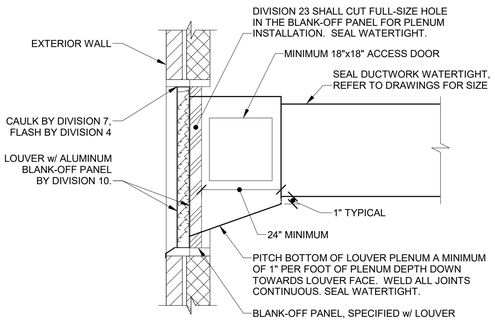
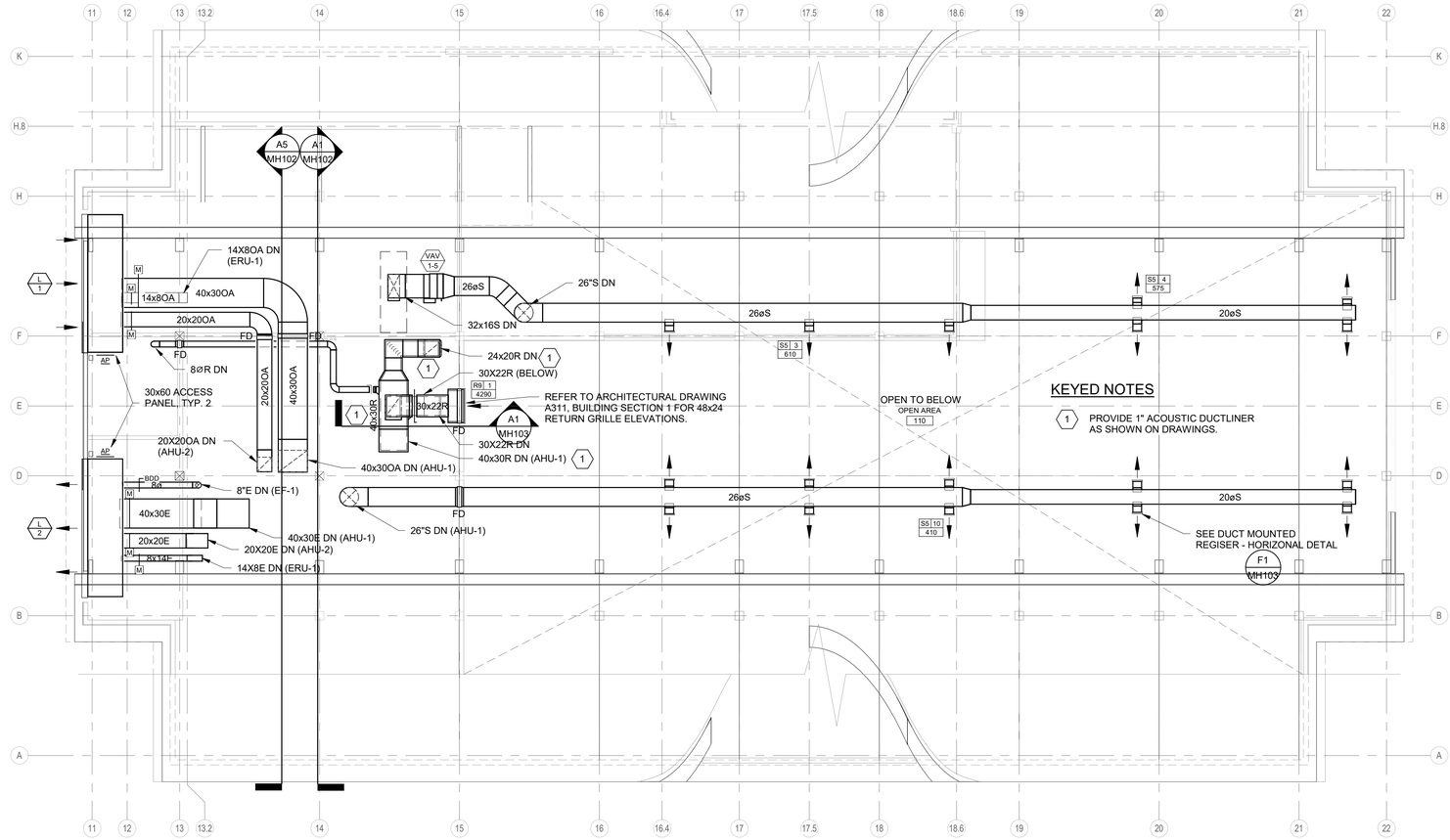


F1	TYPICAL DUCT MOUNTED REGISTER - HORIZONTAL
NONE	



NOTE:
REFER TO ARCHITECTURAL LOUVER DETAILS FOR MORE INFORMATION.

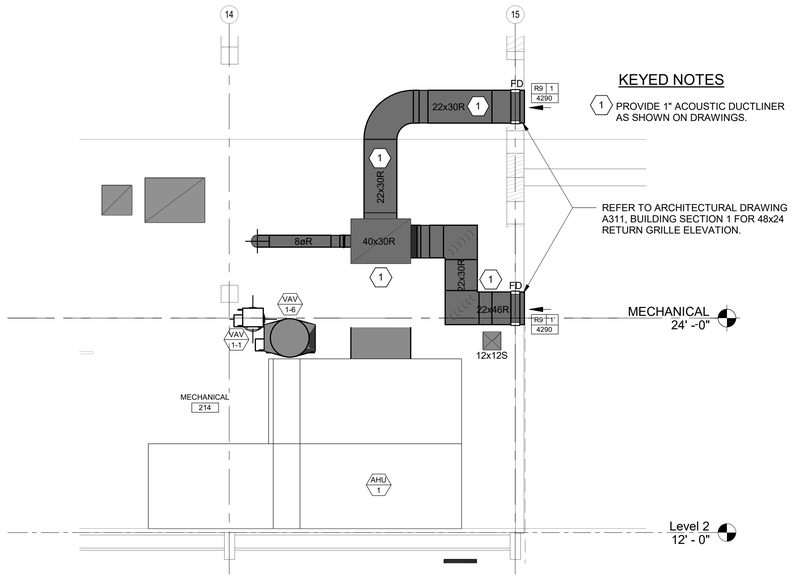
D1	EXTERIOR LOUVER
NONE	



KEYED NOTES

1 PROVIDE 1" ACOUSTIC DUCTLINER AS SHOWN ON DRAWINGS.

D4	MECHANICAL PLAN - UPPER MEZZANINE
1/8" = 1'-0"	

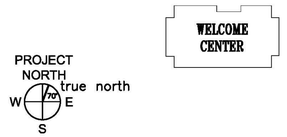


KEYED NOTES

1 PROVIDE 1" ACOUSTIC DUCTLINER AS SHOWN ON DRAWINGS.

A1	AHU-1 RETURN DUCTWORK SECTION
1/4" = 1'-0"	

PROJECT KEY PLAN



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Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE ANTHONY S. DAVIS No. 8834 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MECHANICAL PLAN
– UPPER MEZZANINE

SHEET NUMBER
MH103

Username: –
Division: –
Date: –
Filename: –

SPLIT A/C UNIT SCHEDULE

UNIT	DAC-1
SERVES	
COOLING MBH	12.0
REFRIGERANT	R410a
INDOOR UNIT:	WALL MOUNT
MITSUBISHI MODEL NO.	PKA-A12HA
WEIGHT, LBS.	29
CFM LOW	320
CFM HIGH	425
VOLTAGE/PHASE	208/1
SEER	15.2
BREAKER SIZE, AMPS	15
OUTDOOR COND. UNIT:	**DCU-1**
MITSUBISHI MODEL NO.	PUY-A12NHA3
WEIGHT, LBS.	41
LIQUID LINE SIZE	1/4"
HOT GAS LINE SIZE	1/2"
VOLTAGE/PHASE	208/1
MCA	13.0
MOCP	15
NOTES:	
1. POWER TO CU'S BY DIV...	
CU PROVIDED BY DIV 23.	

MULTI - SPLIT HEAT PUMP UNIT SCHEDULE

INDOOR UNITS	DHP-1
ARRANGEMENT	WALL MOUNTED
COOLING BTUH	21,000
HEATING BTUH @ 47F	30,000
HEATING BTUH @ -5F	19,000
MITSUBISHI MODEL NO.	MSZ-FS18NA
DIMENSIONS - H X W X D	9-1/4" x36" x 12"
WEIGHT, LBS.	34
CFM	304
EXT S.P., IN. WC	0.21"
SOUND dBA - HIGH CFM	40 dB(A)
ELECTRICAL	208/230-1
ELECTRICAL, MCA	1A
COND. DRAIN SIZE	5/8"
LIQUID LINE SIZE	1/4"
GAS LINE SIZE	1/2"
OUTDOOR COND. UNIT:	**CU-1**
MITSUBISHI COND UNIT MODEL NO.	MUZ-FS18NAH
COOLING BTUH	21,000
HEATING BTUH	30,000
REFRIGERANT	R410A
ELECTRICAL	208-230/1/60
MCA	18
FUSE/BREAKER	20
SOUND dBA - HIGH	55dB(A)
DIMENSIONS (H x W x D)	34" x33" x 13"
WEIGHT, LBS.	135
NOTES:	
1. POWER TO CU'S BY DIV 26. WIRING...	

HEAT-RECOVERY CHILLER-HEATER "(HP-1-HP-4)" SYSTEM SCHEDULE

Basis of Design: MULTISTACK WITH FOUR (2) 20 NOMINAL TON MODULES (HP-1 and HP-2) AND (2) 10 TON MODULES (HP-3 AND HP-4)
Mechanical Modules: (2) MSH020VNHCGHAAJ-BACAC-BGI-CA-B AND (2) MSH010VNHCGHAAJ-BACAC-BGI-CA-B
Accessory Modules: (4) VMEBADHDDADADA2 VME'S, 4 FRONT, 0 REAR

PERFORMANCE						EVAPORATOR					CONDENSER				
Capacity (Tons)	KW	THR (mbh)	KW/ ton	EER	COP	Flow Rate (GPM)	Min Flow Rate (GPM)	EWT °F	LWT °F	DP (ft)	Flow Rate (GPM)	Min Flow Rate (GPM)	EWT °F	LWT °F	DP (ft)
COOLING PERFORMANCE DATA - BASED ON ALL MODULES OPERATING IN COOLING MODE															
56.00	45.49	827.30	0.812	14.77	4.31	96.00	24	57.00	42.00	6.00	177.00	44.20	85.00	95.00	11.29
						BLDG.					GEO				
SIMULTANEOUS PERFORMANCE DATA - BASED ON ZERO (0) 20-TON MODULE OPERATING AND (2) 10 TON MODULES OPERATING															
20.00	26.68	331.10	1.334	9.00	6.28	34.30	17	57.00	42.00	6.00	35.40	16.80	105.00	125.00	6.00
						BLDG.					BLDG.				
HEATING PERFORMANCE DATA - BASED ON ALL MODULES OPERATING IN HEATING MODE															
40.0	65.43	703.30	1.636	7.34	3.15	171.40	42.90	32.00	26.00	13.73	75.09	18.80	105.00	125.00	6.00
						GEO					BLDG				

UNIT DATA				EVAPORATOR	CONDENSER
	HP-1/HP-2	HP-3/HP-4			
MCA:	121	68		CHW MODE - FLOW TO BUILDING	CHW MODE - FLOW TO WELLS
MOP:	150	90		HW MODE - FLOW TO WELLS	HW MODE - FLOW TO BUILDING
VOLTAGE:...					

R410A REFRIGERANT CHARGE, LBS. PER CIRCUIT: 6.5/5.5
ALL WATER CIRCUITS SHALL HAVE 25% PG
HEADER SIZES: 6"

GLYCOL FEED SYSTEM (232113)

TAG	SERVES	J.L. WINGERT MODEL	PUMP GPM	DISCH PRESSURE	CUT-IN PSIG	CUT-OUT PSIG	PUMP HP	V-PH	TANK GAL	INLET / DISCH SIZE	ELECTRICAL COORDINATION	
											STARTER FURN. BY	DISC. SWITCH FURN BY
GF-H	HOT/CHILLED	GL-50E1-C	1.6	100	25	35	1/3	115/1	50	3/4"	FURN BY MFR.	8 FT POWER CORD W/PLUG FURN. BY MFR.
GF-G	GEOTHERMAL	GL-50E1-C	1.6	100	20	30	1/3	115/1	50	3/4"	FURN BY MFR.	8 FT POWER CORD W/PLUG FURN. BY MFR.

AIR SEPARATOR / EXPANSION TANK / BUFFER TANK SCHEDULE

AIR SEPARATOR				
SERVICE	HEATING LOOP	CHILLED WATER LOOP	DOMESTIC WATER	GEOTHERMAL WELLS
TAG	AS-1	AS-2	NA	AS-3
MFR-MODEL	TACO - 4903AD	TACO - 4903AD	NA	TACO - 4906AD
INLET/OUTLET	3"/3"	3"/3"	NA	6"/6"
STRAINER	YES	YES	NA	YES
SYSTEM FLUID	25% GLYCOL	25% GLYCOL	WATER	25% GLYCOL
BLADDER-TYPE EXPANSION TANK				
TAG	ET-1	ET-2	ET-3 (HOT WATER)	ET-4
MFR-MODEL	TACO CA 215-125	TACO CA 90-125	TACO PAX 84-150	TACO CA 500-125
TANK DIAMETER	20	20	16	24
TANK HEIGHT	58	30	41 3/4	85 3/4
ACCEPTANCE VOLUME	57	23	12	132
WATERLOGGED WEIGHT (LBS.)	765	312	330	1,520
ASME PRESSURE RATING	125	125	150	125
MAXIMUM OPERATING TEMPERATURE	125	70 F	140 F	100
BUFFER TANK				
TAG	BT-1	BT-2	BT-3 (BOOSTER PUMP COMP)	
MFR-MODEL	JOHN WOOD CO. JSTR-22-036	JOHN WOOD CO. JBTR-24-300	JOHN WOOD CO. JAPR-20-607	
TANK DIAMETER	30	44	16	
TANK HEIGHT	76 3/4	72	72 3/8	

DUCT HEATING COIL SCHEDULE

TAG	SERVES	AIRFLOW	LENGTH	HEIGHT	FACE VEL	EDB	LDB	MBH	MAX APD	GPM	EWT	LWT	MAX WPD	RUNOUT SIZE
HC-1	ERU-1	550	18	10	440	48	95	27.9	0.1"	5.2	120	100	7.2'	1"

ENERGY RECOVERY UNIT SCHEDULE

GENERAL	TAG	ERU-1
	SERVES	
	LOCATION	Mech Rm 004
	TYPE	FIXED-PLATE SENSIBLE
	MFR	RENEWAIRE
	MODEL	HE1XINH
FILTER SECTION	FILTERS	MERV 13
(TYP-2, SUPPLY & EXH)	MIN. AREA, sf	2.7
	VELOCITY	204
OUTSIDE AIR FAN	TYPE	ECM
	AIRFLOW, cfm	**550**
	ESP, in.wc.	1.25
	MOTOR SPEEDS	-
	HP	0.75
EXHAUST AIR FAN	TYPE	ECM
	AIRFLOW, cfm	**550**
	ESP, in.wc.	1.25
	MOTOR SPEEDS	-
	HP	0.75
OVERALL DIMENSIONS	LENGTH	49"
	WIDTH	22"
	HEIGHT	34"
	OPERATING WEIGHT, lbs.	275
HEAT RECOVERY CORE	SUMMER OA DB/WB	88 / 72
	WINTER OA DB	0
	SUMMER SA DB/WB	78.5 / 72.9
	WINTER SA DB	53.2
	SENSIBLE EFFECTIVENESS	95.0%
	SUMMER ENTHALPY EFF.	NA
	WINTER ENTHALPY EFF.	NA
	FROST CONTROL	SUPPLY BY PASS
HEATING	HOT WATER COIL (MBH)	NA
	EAT db	NA
	LAT db	NA
	EWT /LWT (F)	NA
	GPM / HD	NA
COOLING	CHILLED WATER COIL (TMBH)	NA
	EAT db/wb F	NA
	LAT db/wb F	NA
	GPM / HD	NA
ELECTRICAL DATA		
	V-PH-HZ	120/1/60
	UNIT FLA	9.0
	UNIT MCA	20.3
	MAX FUSE SIZE	25.0
	SUPPLY AND RETURN SMOKE DETECTORS	NO
NOTES:		
1. ERU MFR. SHALL...		

AHU SCHEDULE

GENERAL	UNIT NO.	AHU-1	AHU-2
	SERVICE	VISITOR'S SPACE	RESTROOM/LOBBY
	LOCATION	MECHANICAL	MECHANICAL
	MANUFACTURER	PACE	PACE
	MODEL	PAI-57X96	PAI-48X69
	TYPE	NOTE 1	NOTE 2
	WEIGHT (LBS)	10,046	5,745
ELECTRICAL	VOLTAGE	460-3-60	460-3-60
	FLA ENERGY WHEEL	2.2	2.2
	MCA ENERGY WHEEL	2.2	2.2
	MOP ENERGY WHEEL	2,3	2.3
	FLA SUPPLY FAN	18.26 X 2	4.0 X 1
	FLA EXHAUST FAN	6.35 X 2	4.0 X 1
	MCA (SINGLE POINT CONNECTION)	51.4	11.2
	MOP SINGLE POINT CONNECTION)	70.0	15.0
	LIGHTS AND OUTLETS MOP - 120/1 PHASE (SEPARATE CIRCUIT REQUIRED)	15.0	15.0
	VFD'S FURNISHED BY	DIV 23	DIV 23
	DISCONNECT SWITCHES FURN BY	DIV 23	DIV 23
	SMOKE DETECTOR (SD) FURN BY	DIV 26	DIV 26
	SD INSTALLED IN DUCT BY	DIV 23	DIV 23
	SD WIRED TO HVAC CONTROLS BY	DIV 23	DIV 23
	SD WIRED TO FIRE ALARM BY	DIV 26	DIV 26
SUPPLY FAN	TYPE	2 X D.D. PLENUM	1 X D.D. PLENUM
	SUPPLY AIRFLOW, CFM	**12,800**	**2,275**
	PEAK OUTSIDE AIRFLOW, cfm (C02 Demand)	8,350	2,275
	MIN OUTSIDE (BASE) AIRFLOW, cfm	1,300	2,275
	% OA	65.2%	100.0%
	ESP, in.wc.	2.0"	1.5"
	MAX-BHP		
	MOTOR HP	18 X 2	4
	STARTER OR VFD	VFD	VFD
EXHAUST FAN	TYPE	2 X D.D. PLENUM	1 X D.D. PLENUM
	EXHAUST AIRFLOW, CFM	**12,800**	**2,275**
	ESP, in.wc.	1.5"	1.0"
	MAX-BHP		
	MOTOR HP	8 X 2	4
	STARTER OR VFD	VFD	VFD
ENERGY RECOVERY	TYPE	WHEEL	WHEEL
	SUMMER OA DB/WB	88.3/74.4	88.3/74.4
	SUMMER TOTAL EFFECTIVENESS	61.0%	76.7%
	WINTER OA DB	-7.4	-7.4
	WINTER SA DB	41.3	40.4
	WINTER TOTAL EFFECTIVENESS	75.2%	86.6%
	FROST CONTROL	OA BYPASS	OA BYPASS
	EW OA BYPASS DAMPER	YES	YES
	RECIRCULATION AIR DAMPER	YES	YES
CHILLED WATER COIL	TYPE	CHILLED WATER	CHILLED WATER
	ENT. AIR, DB/WB	78.8/67.8	77.6/65.9
	LVG. AIR, DB/WB	54.7/54.4	50.9/50.9
	TMBTUH	557	99
	MAX AIR PD. in. wc.	1.06	0.22
	FACE AREA	27.8	10.9
	COIL FACE VELOCITY	460	209
	FLUID	25% PG	25% PG
	EWT, deg-F	42	42
	LWT, deg-F	57.1	57.1
	GPM	71.7	13.6
	MAX WATER PD, ft-H2O	16.2	7.4
HOT WATER COIL	TYPE	HOT WATER	HOT WATER
	EAT, deg-F.	41.3	50.1
	LAT, deg-F.	55.3	87.3
	TMBTUH	200	90
	MAX AIR PD. in. wc.	0.04	0.03
	FACE AREA, SF	27.7	10.9
	COIL FACE VELOCITY	462	209
	FLUID	25% PG	25% PG
	EWT, deg-F	120	120
	LWT, deg-F	100	100
	GPM	20.8	9.4
	MAX WATER PD, ft-H2O	2.0	2.8
FILTERS (SUPPLY)	TYPE	MERV-8 + 13	MERV-8 + 13
FILTERS (EXHAUST)	TYPE	MERV 8	MERV 8

NOTES:

1. VAV ENERGY RECOVERY UNIT WITH HYDRONIC HEATING & COOLING COILS, SUPPLY FAN, EXHAUST FAN, INTAKE, & EXHAUST AIR DAMPERS, ENERGY RECOVERY WHEEL, RECIRCULATION DAMPER, ECONOMIZER.

2. CAV AIR HANDLING UNIT WITH HYDRONIC HEATING & COOLING COILS, SUPPLY FAN, EXHAUST FAN, INTAKE, & EXHAUST AIR DAMPERS, ENERGY RECOVERY WHEEL, 100% OA.

3. UNITS SHALL BE FACTORY WIRED TO A SINGLE POINT CONNECTION FOR ALL MOTORS AND SEPARATE 110 VOLT CIRCUIT FOR LIGHTS AND RECEPTACLES.

4. UNITS SHALL INCLUDE FACTORY CONTROLLERS TO ACCEPT 0-10 V SIGNAL FROM BAS TO ENABLE FAN SPEED CONTROL FOR BOTH THE SUPPLY FAN ARRAYS AND THE RETURN FAN ARRAYS IN EACH UNIT..

HYDRONIC PIPE SIZE RUNOUT SCHEDULE

PIPE SIZE	MAX GPM
1/2"	1.0
3/4"	2.8
1"	6.0
1-1/4"	10.5
1-1/2"	17
2"	35
2-1/2"	65
3"	100
4"	210
5"	410
6"	700

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
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MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MECHANICAL SCHEDULES

SHEET NUMBER
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A1	MECHNAICAL SCHEDULES
NONE	

Username: Division: Date: Filename:

PUMP SCHEDULE

TAG	SYSTEM	LEAD/LAG	MFR.	MODEL	SUCT X DISCH	SUCTION DIFFUSER	TYPE	PUMPED FLUID	PERFORMANCE				ELECTRICAL			ELECTRICAL COORDINATION			NOTES
									GPM	HEAD	RPM	NPSH	BHP	MOTOR HP	VOLTS/PH (60 Hz.)	VFD FURN. BY	STARTER FURN. BY	DISC. SWITCH FURN BY	
P-1	CHILLED WATER	YES	GRUNDFOS	20959-4P-7.5HP VLSE	2" x 2"	NO	VERT. INLINE-BASE MT	25% PG	125	80	1800	7.27	3.9	7.5	460/3	INTEGRAL	NA	26	1
P-2	CHILLED WATER	YES	GRUNDFOS	20959-4P-7.5HP VLSE	2" x 2"	NO	VERT. INLINE-BASE MT	25% PG	125	80	1800	7.27	3.9	7.5	460/3	INTEGRAL	NA	26	1
P-3	HEATING WATER	YES	GRUNDFOS	20705-4P-3HP VLSE	2" x 2"	NO	VERT. INLINE-BASE MT	25% PG	75	50	1800	3.59	1.51	3	460/3	INTEGRAL	NA	26	1
P-4	HEATING WATER	YES	GRUNDFOS	20705-4P-3HP VLSE	2" x 2"	NO	VERT. INLINE-BASE MT	25% PG	75	50	1800	3.59	1.51	3	460/3	INTEGRAL	NA	26	1
P-5	WELL PUMPS	YES	GRUNDFOS	30957-4P-7.5HP VLSE	3"x 3"	NO	VERT. INLINE-BASE MT	25% PG	200	70	1800	3.97	6.57	7.5	460/3	INTEGRAL	NA	26	1
P-6	WELL PUMPS	YES	GRUNDFOS	30957-4P-7.5HP VLSE	3"x 3"	NO	VERT. INLINE-BASE MT	25% PG	200	70	1800	3.97	6.57	7.5	460/3	INTEGRAL	NA	26	1
P-7	RADIANT ZONE #1 (RFM-1)	NO	GRUNDFOS	UPS 15-58 FC	1 1/2"x1 1/2"	NO	INLINE	25% PG	5.2	14	1750	--	--	87 W	115/1	NA	NA	26	
P-8	RADIANT ZONE 2 (RFM-2)	NO	GRUNDFOS	UPS 15-58 FC	1 1/2"x1 1/2"	NO	INLINE	25% PG	1.5	14	1750	--	--	87 W	115/1	NA	NA	26	
P-9	RADIANT ZONE #3 (RFM-3)	NO	GRUNDFOS	UPS 15-58 FC	1 1/2"x1 1/2"	NO	INLINE	25% PG	3.9	14	1750	--	--	87 W	115/1	NA	NA	26	
P-10	RADIANT ZONE #4A (RFM 4A)	NO	GRUNDFOS	UPS 26-99 FC	1 1/2"x1 1/2"	NO	INLINE	25% PG	8.4	15	1750	--	--	197 W	115/1	NA	NA	26	
P-11	RADIANT ZONE #4B (RFM 4B)	NO	GRUNDFOS	UPS 26-99 FC	1 1/2"x1 1/2"	NO	INLINE	25% PG	8.4	15	1750	--	--	197 W	115/1	NA	NA	26	

NOTES:
1) PROVIDE SUCTION DIFFUSER AND 30' OF STRAIGHT PIPE AT THE INLET OF THE PUMP..

HYDRONIC FAN COIL UNIT SCHEDULE

TAG	SERVES	CONFIG	TYPE	NOTES	MFR -MODEL	SIZE	SUPPLY CFM	ESP	CHILLED WATER COOLING								HOT WATER HEATING							ELECTRICAL - PHYSICAL						
									TMBH	SMBH	EAT (DB)	EAT (WB)	LAT (DB)	EWT	LWT	GPM	MAX P.D. (FT WG)	TMBH	EAT	LAT	EWT	LWT	GPM	MAX P.D. (FT WG)	MOTOR TYPE	HP	ELEC	L	W	H	DRAIN
FC-1	STAIR 116	HORIZ CONCEAL	4-PIPE	1, 2	PRICE FCHG	20	400	0.38	7.0	4.5	75	66	64.6	42	54.4	1.10	1.03	5.0	68	79.3	120	109.4	0.9	0.14	ECM	1/3	115/1	42 3/8"	35"	13 1/2"	3/4"

NOTES
1. HOT WATER AND CHILLED WATER - PROVIDE 25% PROPYLENE GLYCOL.
2. PROVIDE MERV-8 AIR FILTERS.

RESULTS / HEAT / HOT WATER HEAT (25% PG) / SOUND / RAD SOUND POWER -... / DIS SOUND POWER -...

TAG	MFG	QTY	MODEL	SIZE	MAX CFM	MIN CFM	INLET SP IN WG	DIF PD IN WG	DOWN IN WG	ARRANGEMENT	HEAT CFM	EAT DEG F	LAT DEG F	CAPACITY...	COIL ROWS	WPD FT WG	EWT DEG F	LWT DEG F	COIL APD IN WG	WATER GPM	RAD NC	DIS NC	ATTEN METHOD	RAD 125	RAD 250	RAD 500	RAD 1000	RAD 2000	RAD 4000	DIS 125	DIS 250	DIS 500	DIS 1000	DIS 2000	DIS 4000
VAV 1-1	PRICE	1	SDV5	12	1300	650	1	0.24	0.25	LH Controls / LH Coil	900	55	84.7	29.0	2 (HC)	7.11	120	108.8	0.51	5.2	-	-	AHRI-885E	50	38	37	31	24	24	58	50	47	45	41	38
VAV 1-2	PRICE	1	SDV5	5	200	100	1	0.72	0.25	LH Controls / LH Coil	100	55	81.8	3.0	1	3.5	120	117.6	0.03	2.5	-	23	AHRI-885E	53	45	37	30	26	23	67	61	52	47	43	40
VAV 1-3	PRICE	1	SDV5	6	300	150	1	0.61	0.25	LH Controls / LH Coil	150	55	88.3	5.5	2	0.36	120	112.4	0.14	1.4	-	22	AHRI-885E	55	49	39	34	30	25	69	62	54	48	32	39
VAV 1-4	PRICE	1	SDV5	14	2050	1025	1	0.14	0.25	LH Controls / LH Coil	1400	55	84.6	45.0	2 (HC)	14.58	120	106.9	0.61	6.8	-	-	AHRI-885E	49	40	36	30	26	26	58	48	50	45	43	37
VAV 1-5	PRICE	1	SDV5	24 X 16	4130	2100	1	0.04	0.25	LH Controls / LH Coil	2500	55	86.4	85.0	2 (HC)	14.69	120	104	0.71	10.6	25	20	AHRI-885E	62	55	49	41	38	30	68	63	55	52	52	44
VAV 1-6	PRICE	1	SDV5	24 X 16	4100	2100	1	0.05	0.25	LH Controls / LH Coil	2500	55	86.4	85.0	2 (HC)	14.69	120	104	0.7	10.6	25	20	AHRI-885E	62	55	49	41	38	29	67	63	55	52	52	44
VAV-1-7	PRICE	1	SDV5	6	350	175	1	0.64	0.25	LH Controls / LH Coil	200	55	77.6	5.0	1 (HC)	4.09	120	116.3	0.11	2.7	25	20	AHRI-885E	57	51	41	36	31	26	71	65	56	50	44	40
VAV-1-8	PRICE	1	SDV5	5	170	100	1	0.73	0.25	LH Controls / LH Coil	100	55	70.9	1.8	1	0.06	120	106.8	0.02	0.3	-	20	AHRI-885E	51	43	35	28	24	22	64	59	50	45	42	39
VAV 1-9	PRICE	1	SDV5	5	200	100	1	0.68	0.25	LH Controls / LH Coil	170	55	82.2	5.1	2	0.13	120	107.3	0.07	0.8	-	23	AHRI-885E	53	45	37	29	26	23	66	61	52	47	43	40

* "-" signifies a NC value (radiated or discharge) that is less than 15
* Actual coil APD shown is at max airflow, not heating airflow.

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE

TAG	PRICE MODEL	TYPE	NECK SIZE	FACE SIZE	CFM RANGE	MAX TOTAL P.D. (IN.W.C.)	MAX NC LEVEL	BORDER TYPE	BLOW	NOTES
S-1	SCD	SQ. CEILING SUPPLY DIFFUSER	6" DIA	24" X 24"	0-150	0.07"	16	LAY-IN	4-WAY	
S-2	SCD	SQ. CEILING SUPPLY DIFFUSER	8" DIA	24" X 24"	151-275	0.07"	19	LAY-IN	4-WAY	
S-3	SCD	SQ. CEILING SUPPLY DIFFUSER	10" DIA	24"X24"	276-500	0.07"	18	LAY-IN	4-WAY	
S-4	520D	STEEL DOUBLE DEFL. SUPPLY REGISTER	12" X 8"	14" X 10"	100-400	0.10"	25	SURFACE MT.	ADJUSTABLE	
S-5	520D	STEEL DOUBLE DEFL. SUPPLY REGISTER	12" X 10"	14" X 12"	401-620	0.10"	26	SURFACE MT.	ADJUSTABLE	
S-6	LV1	LINEAR VANE SUPPLY DIFFUSER W/ DIRECTIONAL VANES	4.5" x 59.5"	5" x 60"	200-450	0.03"	20	SURFACE MT.	ADJUSTABLE	
R-1	530	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	8" X 8"	10" X 10"	0-170	0.05"	23	SURFACE MT.	----------	
R-2	530	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	12" X 12"	14" X 14"	171-440	0.05"	27	SURFACE MT.	----------	
R-3	530	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	22" X 22"	24" X 24"	551-1000	0.02"	27	SURFACE MT.	----------	
R-4	530	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	46" X 22"	48" X 24"	941-2000	0.02"	31	SURFACE MT.	----------	
R-5	630	ALUM. RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	8" X 8"	10" X 10"	0-170	0.05"	23	SURFACE MT.	----------	
R-6	630	ALUM. RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	22" X 12"	24" X 14"	600-1000	0.03"	25	SURFACE MT.	----------	
R-7	510Z	STEEL RETURN GRILLE, 3/4" SPACING, 0 DEG VANES	34" X 10"	36" X 12"	1000 - 1300	0.05"	23	SURFACE MT.	----------	
R-8	82	1" x 1" x 1" ALUMINUM EGGCRATE FACE	24" x 24"	24" x 24"	1000 - 2000	0.02	--	LAY IN	----------	
R-9	20	STEEL RETURN GRILLE, 3/4" SPACING, 0 DEG VANES	46" X 22"	48" X 24"	2001-4380	0.02"	31	SURFACE MT.	----------	
NO...										

UNIT HEATER SCHEDULE

TAG	SERVES	MFR. -MODEL	SIZE	TYPE	EXPOSED FACE Height	EXPOSED FACE Width	EXPOSED DEPTH	MBH	CFM	EAT (DEG.-F)	LAT (DEG.-F)	GPM	FLUID	EWT	LWT	MOTOR HP	ELECT	RUNOUTS	MAX WPD	NOTES
UH-1	MECHANICAL 214	MODINE HCH	67	HORIZONTAL UH	22.5"	29"	19.7"	16.6	1150	60	98.0	6.7	WATER	120.0	100.0	1/6	120-1-60	1"	2.6	1
UH-2	RECV'G RM 121	MODINE HCH	67	HORIZONTAL UH	22.5"	29"	19.7"	16.6	1150	60	98.0	6.7	WATER	120.0	100.0	1/6	120-1-60	1"	2.6	1

NOTES:
1. POWER WIRING TO UNIT HEATER BY DIV 26. ALL LOW VOLTAGE CONTROL WIRING, THERMOSTAT, RELAYS, AND TRANFORMERS BY DIV. 23.

RADIANT FLOOR CIRCUIT SCHEDULE

MANIFOLD NO.	AREA SERVED	CIRCUIT NO.	LENGTH (ft) (Circuit + Tail)	FLOW RATE PER CIRCUIT (gpm)	MANIFOLD TOTAL (gpm)	HEAD LOSS (Ft of water)	SUPPLY TEMP (ºF)	DESIGN TEMP DROP (°F)	TUBE SPACING (in)	TUBE SIZE
FM-1	TOILETS	1 THRU 8	290	0.65	5.20	3.40	101.9	20	12	5/8"
FM-2	LOBBY	1 THRU 4	275	0.38	1.50	1.20	91.3	20	12	5/8"
FM-3	OFFICE ROOMS	1 THRU 7	285	0.56	3.90	2.50	98.4	20	12	5/8"
FM-4A	OPEN AREA	1 THRU 14	300	0.60	8.40	2.70	97.4	20	12	5/8"
FM-4B	OPEN AREA	1 THRU 14	300	0.60	8.40	2.70	97.4	20	12	5/8"

NOTES:
1) Total estimated load = 235,600 BTU/HR.

LOUVER SCHEDULE

TAG	MAKE - MODEL	ASSOICATED AIR SYSTEM	INTAKE OR RELIEF?	CFM	DIMENSIONS					BEGINNING POINT OF WATER PENETRATION AT 0.01 OZ./SF	MAX P.D. MAX W.C.	SCREEN	NOTES
					HEIGHT (FT.)	WIDTH (FT.)	MIN. FREE AREA (SF)	% FREE AREA	BLADED EPTH				
L-1	RUSKIN ELF6375DX (Triangular)	AHU-1, 2, ERU-1	INTAKE	15,625	13	16	52	50% Min.	6"	1000	0.03	BIRD	1
L-2	RUSKIN ELF6375DX (Triangular)	AHU-1, 2, ERU-1, EF-1	EXHAUST	15,775	13	16	52	50% Min.	6"	1000	0.03	BIRD	1

NOTES:
1. OVERALL TRIANGLE LOUVER BASE LENGTH.

FAN SCHEDULE

TAG	SERVES	MANUFACTURER-MODEL	TYPE	DRIVE	CFM	SP (IN. WC.)	MAX RPM	ELECTRICAL					MAX SONES	WEIGHT (LBS.)	DAMPER	NOTES
								MAX BHP	MOTOR HP	STARTER FURN. BY	DISC. SWITCH FURN BY	VOLTS/PH				
EF1	BREAK 122	COOK- GN-320	IN-LINE DUCT	DIRECT	150	0.25		--	0.062	NA	DIV 26	120/1	20.0	30	BDD	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
ANTHONY S. DAVIS
No. 8834
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 8834

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM -

PROJECT MANAGER -

DESIGNER AECOM

CONSULTANT ALLIED ENGINEERING

PROJECT RESIDENT -

CONTRACTOR -

PROJECT COMPLETION DATE -

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

MECHANICAL SCHEDULES

SHEET NUMBER
MH601

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

Allied Project No: 12069 | Cad File:

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

A1 | MECHNAICAL SCHEDULES

NONE

Username: -
Division: -
Date: -
Filename: -

SEC — INTRUSION DETECTION CONTROL PANEL

KP — KEYPAD INTRUSION DETECTION ANNUNCIATOR, MOUNT 48"AFF

MSP — MOTION SENSOR, PASSIVE INFRARED (PIR), WALL MOUNTED 96"AFF

MSP — MOTION SENSOR, PASSIVE INFRARED (PIR), CEILING MOUNTED

DA — DURESS ALARM SWITCH, MOUNT TO UNDERSIDE OF COUNTER, UNO

C — CAMERA

CA — CARD ACCESS ~ PROVIDE EMPTY RECESSED WALL MOUNTED DOUBLE GANG BOX 44" AFF WITH 1/2" CONDUIT. EXTERIOR BOXES SHALL BE WATERPROOF. FOR CARD ACCESS FOR OVERHEAD DOORS, PROVIDE AN ADDITIONAL 1/2" CONDUIT WITH PULL STRING FROM THE CARD READER (OR JUNCTION BOX NEXT TO THE CARD READER WHERE THERE ARE DOUBLE OVERHEAD DOORS) TO THE DOOR CONTROLLER.

L — DOOR LOCK ~ PROVIDE EMPTY 1/2" CONDUIT WITH PULL STRING IN DOOR FRAME, RUN FROM DOOR LOCK LOCATION IN FRAME TO DOOR LOCK POWER LOCATION.

D — DOOR LOCK POWER ~ PROVIDE 120 VOLT POWER AT DOOR LOCATION AS NOTED ON PLANS. CONFIRM LOCATIONS WHERE 120 VOLT IS REQUIRED TO ROUGH IN. POWER SUPPLIES BY OTHERS.

DOOR CONTACT

DC — MAGNETIC DOOR LOCK

DL — TRANSFORMER

T

NOTES:

1. DOOR HARDWARE BY DIV 8 U.N.O.
2. LOW VOLTAGE WIRING AND DEVICES BY DIV 8 UNLESS NOTED OTHERWISE.
3. FOR EACH TECHNOLOGY OUTLET, PROVIDE CONCEALED CONDUIT FROM EACH OUTLET BOX TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT. ROOM, J-HOOK OR CABLE TRAY PATHWAY, UNO. IN ROOMS WITHOUT CEILINGS, CONDUIT SHALL BE RUN AT UNDERSIDE OF DECK TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT ROOM, J-HOOK OR CABLE TRAY PATHWAY, UNO. CONDUIT PATHWAYS SHALL BE PROVIDED FOR ANY PORTIONS OF THE PATH TO NEAREST IT ROOM, J-HOOK, OR CABLE TRAY THAT HAS EXPOSED DECK OR HAS INACCESSIBLE CEILINGS.
4. DIVISION 26 SHALL PROVIDE 120 VOLT POWER WHERE INDICATED. DIV 26 SHALL PROVIDE EMPTY BOXES AND CONDUITS WITH PULL STRING U.N.O.
5. DIV 27 SHALL PROVIDE CATEGORY 6 DATA OUTLETS AND DATA CABLING

E1 SECURITY SYSTEM

NO SCALE

AFF	ABOVE FINISHED FLOOR	WG	WIREGUARD
AFG	ABOVE FINISHED GRADE	WP	WEATHERPROOF
BAS	BUILDING AUTOMATION SYSTEM	UNO	UNLESS NOTED OTHERWISE
BKBD	BACKBOARD	VEND	VENDING MACHINE
CATV	CABLE TV	XFMR	TRANSFORMER
CB	CIRCUIT BREAKER	(E)	EXISTING ITEM TO REMAIN
DISC	DISCONNECT	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
TEL	TELEPHONE	(ER)	RELOCATED ITEM AT NEW LOCATION
MICRO	MICROWAVE OVEN	(RL)	REMOVE AND RELOCATE
MT	MOUNT		
NEC	NATIONAL ELECTRICAL CODE		
P/O	PART OF		
REF	REFRIGERATOR		

D1 ABBREVIATIONS

NO SCALE

FACP — FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72"AFF

FAA — FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72"AFF

S — SMOKE DETECTOR

S_E — SMOKE DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL

H — HEAT DETECTOR

D — DUCT SMOKE DETECTOR

RTS — REMOTE TEST/INDICATOR FOR DUCT SMOKES, MOUNT ON CEILING BENEATH UNIT, OR WALL MOUNT WHERE INDICATED ON PLANS

F — MANUAL PULL STATION, MOUNT 48" AFF

30 S — SPEAKER/STROBE, CANDELA AS NOTED ON PLANS

15 F — STROBE ONLY INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS

30 S F — SPEAKER/STROBE WITH PULL STATION DIRECTLY BELOW

DH — MAGNETIC DOOR HOLD OPEN DEVICE

T — TRANSFORMER

F — SPRINKLER SYSTEM WATER FLOW SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26

T — SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26

C — SPRINKLER SYSTEM CHECK VALVE PRESSURE SWITCH, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26

P — SPRINKLER SYSTEM EXCESS PRESSURE PUMP, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26

K — KNOX BOX, MOUNT 60" AFF

MM — FIRE ALARM ADDRESSABLE MONITOR MODULAR

E3 FIRE ALARM SYSTEM

NO SCALE

HATCHING INDICATES FIXTURE ON LIFE SAFETY BRANCH EMERGENCY POWER, UNO. "EM' INDICATES EMERGENCY WHERE THE HATCHING IS UNCLEAR. PROVIDE UL924 EMERGENCY BYPASS RELAY TO FORCE EMERGENCY LIGHTING ON UPON ACTIVATION OF FIRE ALARM OR LOSS OF NORMAL POWER. (1) RELAY IS REQUIRED PER EACH SWITCH GROUP OF LIGHTS. IF MULTIPLE SWITCH GROUPS IN A ROOM, MULTIPLE RELAYS ARE NEEDED.

— EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S), ARROWHEAD INDICATES CHEVRON(S) REQUIRED, NUMBER INDICATES CIRCUIT NUMBER, TYPICAL

— EXIT SIGN, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR, NUMBER INDICATES CIRCUIT NUMBER, TYPICAL

EM — "EM" INDICATES FIXTURE ON LIFE SAFETY BRANCH EMERGENCY POWER

EMERGENCY LIGHTING UNIT

C3 EMERGENCY LIGHTING

NO SCALE

PANELBOARD ~ SURFACE MOUNTED

PANELBOARD ~ FLUSH MOUNTED

FUSED DISCONNECT SWITCH

NON-FUSED DISCONNECT SWITCH

MOTOR STARTER

COMBINATION MOTOR STARTER/FUSED DISCONNECT

MOTOR

METER AND CABINET

M — JUNCTION BOX ~ CEILING MOUNTED

J — JUNCTION BOX ~ WALL MOUNTED

J — JUNCTION BOX FOR OR CLOCK POWER

C — TRANSFORMER ~ NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE

T# — VARIABLE FREQUENCY DRIVE

VFD — TRANSIENT VOLTAGE SURGE SUPPRESSOR

TVSS — EMERGENCY SHUTOFF SWITCH ~ WALL MOUNTED 48" TO CENTERLINE ~ PROVIDE TAMPER-PROOF COVER

E — CONDUIT TURNING UP

CONDUIT TURNING DOWN

WIRING UNDERGROUND OR UNDERSLAB

HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT COMPUTER AND LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)

SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT

3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT

INDICATES 20A,1P LOCKING CIRCUIT BREAKER

FLEXIBLE CONNECTION

L~20A,1P — GROUNDING SYSTEM

MOTORIZED DOOR OPERATOR AND PUSH PADDLE ~ FURNISHED BY DIVISION 08, WIRED BY DIVISION 26

DOORBELL PUSHBUTTON

P — DOORBELL CHIME

JUNCTION BOX FOR HAND DRYER POWER WITH (2)#10 +(1)#10G BRANCH CIRCUIT ~ 44" AFF U.N.O. (COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS)

C H — MECHANICAL EQUIPMENT TAD - REFER TO ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT.

C5 POWER DISTRIBUTION

NO SCALE

LIGHT FIXTURE, RECESSED TROFFER, TYPICAL

RECESSED DOWNLIGHT

RECESSED ADJUSTABLE DOWNLIGHT

WALL MOUNTED LIGHT FIXTURE

CEILING SURFACE MOUNTED LIGHT FIXTURE

PENDANT MOUNTED LIGHT FIXTURE

CONTINUOUS RECESSED LIGHT FIXTURE, GRID MOUNTED IN PUBLIC TOILET ROOMS

WALL MOUNTED STAIRWAY LIGHT FIXTURE

WALL MOUNTED DISPLAY LIGHT

L5 — CONTINUOUS SURFACE MOUNTED LIGHT FIXTURE

NOTE TYPICAL FOR ALL LUMINAIRES:

INDICATES LIGHT FIXTURE TYPE ON LUMINAIRE SCHEDULE

F1 a — LOWER CASE LETTER INDICATES SWITCHING

— NUMBER INDICATES CIRCUITING

F6 LUMINAIRES

NO SCALE

DUPLEX RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R

DOUBLE DUPLEX RECEPTACLE

HATCH INDICATES RECEPTACLE CONNECTED TO GENERATOR, TYPICAL

F — DUPLEX RECEPTACLE, FLOOR BOX

GFCI DUPLEX RECEPTACLE, MOUNT 44" AFF UNO

GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 44" AFF UNO

WP — GFCI RECEPTACLE WITH WEATHERPROOF COVER

WP — GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF

NOTES:

1. MOUNT RECEPTACLES WITH CENTERLINE 18"AFF UNO
2. MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24"AFG UNO
3. 'U' = (2) USB

D5 RECEPTACLES

NO SCALE

TAG	NEMA	DESCRIPTION (SINGLE DEVICE)	OCPD	BRANCH CIRCUIT
A	5-15R	15A-125V,2P,3W	15A-1P	2#12 & 1#12GND - 3/4" C
A1	5-15R	15A-125V,2P,3W GFCI	15A-1P	2#12 & 1#12GND - 3/4" C
B	5-20R	20A-125V,2P,3W	20A-1P	2#12 & 1#12GND - 3/4" C
B1	5-20R	20A-125V,2P,3W GFCI	20A-1P	2#12 & 1#12GND - 3/4" C
C	5-30R	30A-125V,2P,3W	30A-1P	2#10 & 1#10GND - 3/4" C
D	5-50R	50A-125V,2P,3W	50A-1P	2#6 & 1#10GND - 3/4" C
E	6-15R	15A-250V,2P,3W	15A-2P	2#12 & 1#12GND - 3/4" C
F	6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
G	6-30R	30A-250V,2P,3W	30A-2P	2#10 & 1#10GND - 3/4" C
H	6-50R	50A-250V,2P,3W	50A-2P	2#6 & 1#10GND - 3/4" C
I	14-20R	20A-125/250V,3P,4W	20A-2P	3#12 & 1#12GND - 3/4" C
J	14-30R	30A-125/250V,3P,4W	30A-2P	2#10 & 1#10GND - 3/4" C
K	14-50R	50A-125/250V,3P,4W	50A-2P	3#6 & 1#10GND - 1" C
L	14-60R	60A-125/250V,3P,4W	60A-2P	3#6 & 1#10GND - 1" C
M	15-20R	20A-250V,3PH,3P,4W	20A-3P	3#12 & 1#12GND - 3/4" C
N	15-30R	30A-250V,3PH,3P,4W	30A-3P	3#10 & 1#10GND - 3/4" C
P	15-50R	50A-250V,3PH,3P,4W	50A-3P	3#6 & 1#10GND - 1" C
Q	L5-15R	15A-125V,2P,3W, TWIST LOCK	15A-1P	2#12 & 1#12GND - 3/4" C
R	L5-20R	20A-125V,2P,3W, TWIST LOCK	20A-1P	2#12 & 1#12GND - 3/4" C
S	L5-30R	30A-125V,2P,3W, TWIST LOCK	30A-1P	2#10 & 1#10GND - 3/4" C
T	L5-15R	15A-250V,2P,3W, TWIST LOCK	15A-2P	2#12 & 1#12GND - 3/4" C
U	L6-20R	20A-250V,2P,3W, TWIST LOCK	20A-2P	2#12 & 1#12GND - 3/4" C
V	L6-30R	30A-250V,2P,3W, TWIST LOCK	30A-2P	2#10 & 1#10GND - 3/4" C
W	L14-20R	20A -125/250V,3P,4W,TWIST LOCK	20A-2P	3#12 & 1#12GND - 3/4" C
X	L15-20R	20A -250V,3P,4W,TWIST LOCK	20A-3P	4#12 & 1#12GND - 3/4" C
Y	UNKNOWN PLUG NEMA CONFIGURATION FOR EQUIPMENT. CONFIRM REQUIREMENTS IN FIELD. PROVIDE REQUIRED RECEPTACLE, WIRING AND CIRCUIT BREAKER			

W — WALL MOUNTED SPEAKERS (7'-0" AFF, U.N.O.)

P — PENDANT SPEAKERS (10'-0" AFF, U.N.O.)

C — RECESSED FLUSH SPEAKER

PA — ADMIN PHONE AND PAGING

WP SP — OUTDOOR SPEAKER

IC — INTERCOM CALL BUTTON/SPEAKER, WEATHERPROOF (48" AFG, U.N.O.)

B8 PA/MUSIC SYSTEM

NO SCALE

1. BRANCH CIRCUIT WIRING NOT SHOWN. WIRE AND CONNECT ELECTRICAL ITEMS TO CIRCUITS INDICATED.
2. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
3. THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET STRUCTURAL/ARCHITECTURAL REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
4. ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
5. COORDINATE WORK WITH OTHER DIVISIONS. VERIFY EXACT POWER REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 23. POWER WIRING FOR EQUIPMENT & CONTROL SHALL BE PERFORMED BY DIVISION 26. CONTROL WIRING BY DIVISION 23.
6. THE GENERAL DESIGN INTENT IS MINIMIZE, TO THE EXTENT POSSIBLE, EXPOSED CONDUITS ON BUILDING STRUCTURAL MEMBERS. IN AREAS WITH EXPOSED STRUCTURE CEILING, CONDUITS SHALL BE CONCEALED WITHIN WALLS AND BENEATH FLOOR SLAB EXCEPT WHERE THOSE CONDUITS SERVE CEILING MOUNTED ITEMS. FOR CEILING MOUNTED ITEMS, WIRING METHODS SHALL BE CONCEALED WITHIN WOOD CEILING SYSTEM.

B8 GENERAL NOTES

NOTE

SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN

TECHNOLOGY MATRIX

CONDUIT NOTES:

1. THE GENERAL DESIGN INTENT IS MINIMIZE, TO THE EXTENT POSSIBLE, EXPOSED CONDUITS ON BUILDING STRUCTURAL MEMBERS.
2. IN AREAS WITH ACCESSIBLE CEILINGS, CONDUIT SHALL BE ROUTED FROM OUTLET BOX TO 6 INCHES ABOVE NEAREST ACCESSIBLE CEILING THAT IS CONTIGUOUS TO A CONDUIT PATHWAY DOWN TO TEL/COM ROOM, THEN 'J' HOOKS FROM WORKSTATION CONDUIT END TO PATHWAY DOWN TO TEL/COM ROOM.
3. IN AREAS WITH EXPOSED STRUCTURE CEILING, CONDUIT SHALL BE ROUTED FROM OUTLET BOX BENEATH FLOOR SLAB TO BASEMENT LEVEL. COORDINATE UNDER-SLAB CONDUIT INSTALLATION WITH RADIANT FLOOR HEATING.
4. TECHNOLOGY WORK, INCLUDING BUT NOT LIMITED TO: OUTLETS, BOXES, CONDUIT, AND CABLE TRAYS SHALL COMPLY WITH THE STATE OF MAINE TELECOMMUNICATIONS FACILITIES AND WIRING SPECIFICATIONS.

SYMBOL	MTG HT AFF UNO	DESCRIPTION	CONDUIT	BOX TYPE: SINGLE GANG BOX	BOX TYPE: DOUBLE GANG BOX	BOX TYPE: FLUSH COVERPLATE UNDERFLOOR BOX	OUTLET TYPE: CATEGORY 6 VOICE OUTLET	OUTLET TYPE: CATEGORY 6 DATA OUTLET	OUTLET TYPE: RJ-45 WITH SS WALL PHONE PLATE	CABLING: 4 PAIR UTP CABLING- CATEGORY 6 UNO	
V	18"	VOICE AND DATA OUTLETS	1"	X			1	2		2	
2 V	18"	VOICE AND DATA OUTLETS	1"	X			1	3		3	
V	18"	DATA OUTLETS	1"	X				1		1	
W V	45"	WALL PHONE OUTLET	1"						1	1	
WA	ABOVE CLG	DATA OUTLET FOR WIRELESS ACCESS POINT		X				1		1	
V F	FLOOR FLUSH	VOICE AND DATA OUTLETS IN FLOOR BOX	1"			X	1	2		2	
C	VARIES	CAMERA - BOX, CABLING, AND CONDUIT TO CCTV HEAD-END IN TELECOM 007 (CAMERA BY OTHERS)	1"	X				1		1	

A1 TECHNOLOGY MATRIX

NO SCALE

F — DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX

F — DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX

F J — JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX

F E — EMPTY FLUSH FLOOR BOX

F A — FLUSH FLOOR BOX WITH POWER AND DATA FOR TOUCH SCREEN INFO STATION

P — DUPLEX RECEPTACLE, PEDESTAL MOUNTED

P — SINGLE RECEPTACLE, PEDESTAL MOUNTED

P J — JUNCTION BOX, PEDESTAL MOUNTED

C — DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING

C — DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING

C — DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING

C — DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING

C D — DATA OUTLET, FLUSH MOUNTED IN CEILING, SEE SCHEDULE FOR TYPE

C J — JUNCTION BOX, FLUSH MOUNTED IN CEILING

OVERHEAD RECEPTACLE DROP, DUPLEX

OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX

OVERHEAD RECEPTACLE DROP, GFCI

OVERHEAD DATA DROP

D

A4 FLOOR AND CEILING DEVICES

NO SCALE

~ CENTERLINE 48" AFF, UNO ~

S_a — LIGHT SWITCH, 20A,125/277V, LETTER INDICATES SWITCHING

S_3 — THREE-WAY LIGHT SWITCH

S_4 — FOUR-WAY LIGHT SWITCH

S_2 — TWO-POLE SWITCH

S_K — KEY OPERATED SWITCH

S_M — MOTOR RATED SWITCH

S_P — SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED

S_{aa} S_{bb} — MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING

S_{OS} — OCCUPANCY SENSOR SWITCH, WALL MOUNTED

S_{OS2} — 2-BUTTON OCCUPANCY SENSOR SWITCH

OS — OCCUPANCY SENSOR, CEILING MOUNTED

OS — OCCUPANCY SENSOR, WALL MOUNTED

S_D — DIMMER SWITCH, COORDINATE CONTROL TYPE WITH LOAD TO BE DIMMED

S_F — HANDICAP SWITCHES FOR HOOD LIGHT AND FAN

S_T — TIMER SWITCH, 60 MINUTES

S_T — LIGHTING TIME CLOCK

LTC — LIGHTING CONTACTOR

LC — LIGHTING CONTROL PANEL

LCP — PHOTOCELL ~ CONNECTED TO NETWORK LIGHTING CONTROLS

PC — LOW VOLTAGE MOMENTARY SWITCH CONNECTED TO LIGHTING CONTROLS ~ LETTER INDICATES SWITCHING

S_{LVa}

A6 LIGHT SWITCHES

NO SCALE

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Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE CATHERINE A. FAUCHER No. 7575 LICENSED PROFESSIONAL ENGINEER

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Electrical Abbreviations, Legends & General Notes

SHEET NUMBER
E000

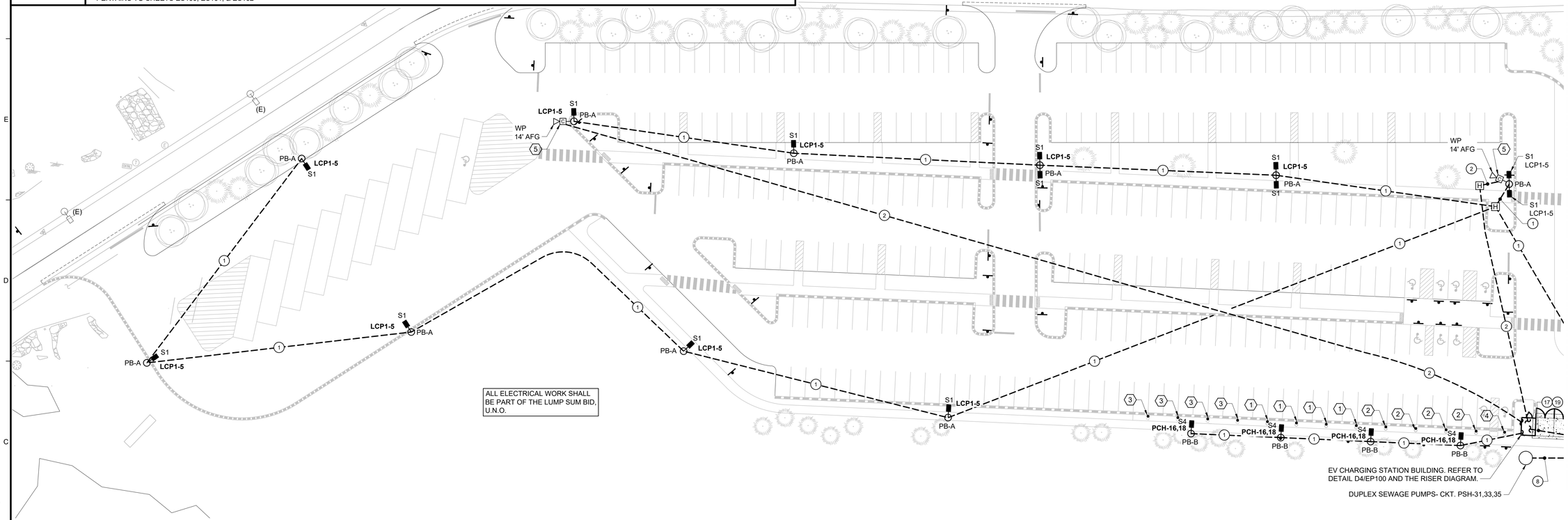
Username: Division: Date: Filename:

1. -(1) 1" CONDUIT WITH (2) #6+(1) #6G - LIGHTING
2. -(1) 1" CONDUIT WITH CATEGORY 6 DATA CABLING TO EV CHARGING BUILDING DATA CABINET FOR CAMERA- PROVIDE (1) CATEGORY 6 CABLE FOR EACH CAMERA.
3. -(1) 1" CONDUIT WITH CATEGORY 6 DATA CABLING TO CCTV HEAD END IN TELCOM 007 FOR CAMERAS
4. -(1) 1" CONDUIT WITH (2) #10+(1) #10G FOR POWER and (2) #10, 1 #10G FOR NORMAL LIGHTING;
   (1) 1" CONDUIT WITH (4) CATEGORY 6 DATA CABLES TO DATA HEAD END IN TELCOM 007- (1) CABLE FOR WIRELESS ACCESS POINT AND (3) CABLES FOR EACH OF 3 SIGNS;
   -(1) 1" CONDUIT WITH CATEGORY 6 DATA CABLING TO CCTV HEAD END IN TELCOM 007 FOR CAMERA
5. -POWER (SEE ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT FOR FEEDER SIZE);
   -(1) 1"CONDUIT EMPTY WITH PULLSTRING FOR CONTROLS
6. -CONDUIT FOR POWER TO ATS (SEE POWER RISER DIAGRAM FOR WIRING);
   -CONDUIT FOR POWER TO FIRE PUMP (SEE POWER RISER DIAGRAM FOR WIRING);
   -(1) 1" CONDUIT WITH (4) #12+(2) #12G FOR JACKET WATER HEATER CIRCUIT AND BATTERY CHARGER CIRCUIT (REFER TO PANEL PS SCHEDULE);
   -(1) 1" CONDUIT WITH CONTROL WIRING TO EACH ATS;
   -(1) 1" C FOR CABLING TO GENERATOR ANNUNCIATOR PANEL;
   -(1) 1" CONDUIT WITH WIRING TO GENERATOR REMOTE EMERGENCY STOP BUTTON
7. -CONDUIT FOR POWER (SEE ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT FOR FEEDER SIZE);
   -(1) 1" CONDUIT WITH PULLSTRING FOR CONTROL WIRING
8. -2"C POWER (SEE ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT FOR FEEDER SIZE);
   -(1) 1" C FOR CONTROL WIRING
9. -(1) 4"C TELEPHONE;
   -(1) 4"C CATV;
   -(1) 4"C SPARE
10. -(3) 4"C WITH PULLSTRING TO TEL/DATA ROOM BACKBOARD AND CAP FOR FUTURE USE;
    -(2) 4"C WITH PULLSTRING TO MAIN ELECTRIC ROOM AND CAP FOR FUTURE USE;
    -TERMINATE THESE CONDUITS FOR FUTURE BUILDING IN IN-GROUND BOX
11. -(2) 5"C PRIMARY;
    -(1) 4" C TELEPHONE;
    -(1) 4" C CATV;
    -(1) 4" C SPARE
12. -(2) 5" C PRIMARY
13. -(2) 4"C WITH PULLSTRING TO MAIN ELECTRIC ROOM AND CAP FOR FUTURE USE (TERMINATE THESE CONDUITS FOR FUTURE BUILDING IN IN-GROUND BOX)
14. -(1) 1" CONDUIT WITH (2)#10+(1)#10G - LIGHTING
15. -CONDUITS FOR POWER TO FIRE PUMP AND MDPH (SEE POWER RISER DIAGRAM FOR WIRING)
16. -(3) 4"C WITH PULLSTRING TO TELCOM 007 BACKBOARD AND CAP FOR FUTURE USE
17. -EV CHARGING POWER AND DATA DISTRIBUTION (SEE POWER RISER DIAGRAM)
18. -(1) 1" CONDUIT WITH WIRING TO TELCOM 007 PA SYSTEM HEAD END FOR PA SYSTEM SPEAKER.
19. -(1) 2" CONDUIT WITH 12 STRAND FIBER BACKBONE FROM EV CHARGING BUILDING DATA CABINET TO TELCOM 007 DATA NETWORK HEAD END.
20. GEOTHERMAL VAULT:
    -(1) 1" CONDUIT WITH (2) #8, (1) #8G- LIGHTING AND POWER;
    -(1) 1" CONDUIT EMPTY WITH PULLSTRING- CONTROLS
21. -(1) 1" CONDUIT WITH (2)#10+(1)#10G - EMERGENCY LIGHTING
22. -(1) 1" CONDUIT WITH (2)#10+(1)#10G - BUILDING SIGN LIGHTING

NOTE:
PROVIDE PULLSTRINGS IN ALL EMPTY OR SPARE CONDUITS

F1 WIRING & CONDUIT KEY

PERTAINS TO SHEETS ES100, ES101, & ES102



C1 SITE PART PLAN EAST

1"=30'-0"

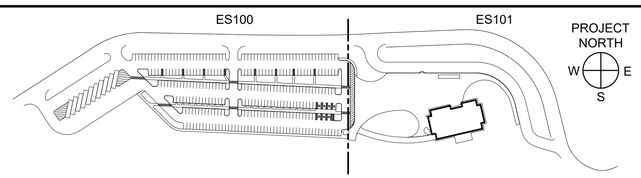
- UNDERGROUND OR UNDERSLAB WIRING
- UTILITY POLE
- FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- MOTOR
- GROUNDING SYSTEM
- (J) JUNCTION BOX, WALL MOUNTED
- J JUNCTION BOX, IN-GROUND
- (M) ELECTRICAL MANHOLE PER UTILITY COMPANY SPECIFICATIONS, COORDINATE LOCATION WITH OTHER UNDERGROUND UTILITIES
- PT PADMOUNT TRANSFORMER, PROVIDE TRANSFORMER PAD PER UTILITY COMPANY SPECIFICATIONS
- PB 4'X6' PULL BOX WITH 32" COVER PLATE IN ACCORDANCE WITH UTILITY STANDARDS
- H HANDHOLE, MINIMUM 18"x36"x24", SIZE PER NEC FOR SIZE AND NUMBER OF CONDUITS INSTALLED
- M METER & ENCLOSURE, PEDESTAL MOUNTED PER UTILITY COMPANY SPECIFICATIONS
- PB-# / S# / LCP1-# INDICATES LUMINAIRE TYPE ON SCHEDULE INDICATES POLE BASE TYPE ~ SEE DETAILS ON ES101
- SINGLE POLE MOUNTED LIGHT
- INDICATES LIGHTING CONTROL PANEL RELAY NUMBERS
- SINGLE POLE HOMERUN: CONNECT TO PANEL INDICATED
- SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT, CONNECT TO PANEL INDICATED
- 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT, CONNECT TO PANEL INDICATED
- C SECURITY CAMERA- WP INDICATES WEATHERPROOF ENCLOSURE

A1 ELECTRICAL LEGEND

1. LEVEL 2 DUAL EV CHARGERS: PROVIDE FLUSH WEATHERPROOF IN GROUND 2 GANG JUNCTION BOX WITH BARRIER FOR SEPARATE POWER AND DATA CONNECTIONS. BOX LOCATION AT CHARGER TO BE VERIFIED IN FIELD PRIOR TO ROUGH IN. WIRE AND CONNECT TO PANEL PCH. EACH OF THE TWO CHARGERS SHALL BE WIRED TO (1) 50 AMP, 2 POLE BREAKER. PROVIDE 2 SETS OF (3) #6, 1 #8G- IN (1) SHARED 2" UNDERGROUND CONDUIT. CHARGERS FURNISHED BY OWNER AND INSTALLED/WIRED BY DIV 26. PROVIDE 1" UNDERGROUND CONDUIT WITH (2) CATEGORY 6 CABLES (EACH CONNECTED TO ONE CHARGER) WIRED TO THE EV CHARGING BUILDING DATA CABINET.
2. LEVEL 3 DUAL EV CHARGERS: PROVIDE FLUSH WEATHERPROOF IN GROUND 2 GANG JUNCTION BOX WITH BARRIER FOR SEPARATE POWER AND DATA CONNECTIONS. BOX LOCATION AT CHARGER TO BE VERIFIED IN FIELD PRIOR TO ROUGH IN. WIRE AND CONNECT TO PANEL HPCH. EACH OF THE TWO CHARGERS SHALL BE WIRED TO (1) 100 AMP, 3 POLE BREAKER. PROVIDE 2 SETS OF (4) #1/0, 1 #4G IN (1) SHARED 3" UNDERGROUND CONDUIT. CHARGERS FURNISHED BY OWNER AND INSTALLED/WIRED BY DIV 26. PROVIDE 1" UNDERGROUND CONDUIT WITH (2) CATEGORY 6 CABLES (EACH CONNECTED TO ONE CHARGER) WIRED TO THE EV CHARGING BUILDING DATA CABINET.
3. ROUGH IN FOR FUTURE CHARGERS: PROVIDE EMPTY FLUSH WEATHERPROOF IN GROUND 2 GANG JUNCTION BOX WITH BARRIER FOR SEPARATE POWER AND DATA CONNECTIONS. BOX LOCATION AT CHARGER TO BE VERIFIED IN FIELD PRIOR TO ROUGH IN. PROVIDE (1) 3" UNDERGROUND CONDUIT WITH PULL STRING FROM FUTURE CHARGER LOCATION POWER SIDE OF THE JUNCTION BOX TO ELECTRICAL PANEL HPCH/HPCH1 LOCATION. STUB UP 24" AFG AT PANEL HPCH/PCH LOCATION AND SEAL. PROVIDE 1" UNDERGROUND EMPTY CONDUIT WITH PULL STRING CONNECTED TO THE DATA SIDE OF THE 2 GANG JUNCTION BOX. RUN TO DATA CABINET IN EV CHARGING BUILDING AND STUB UP 24" AFG AND SEAL.
4. LEVEL 2 SINGLE EV CHARGER: PROVIDE FLUSH WEATHERPROOF IN GROUND 2 GANG JUNCTION BOX WITH BARRIER FOR SEPARATE POWER AND DATA CONNECTIONS. BOX LOCATION AT CHARGER TO BE VERIFIED IN FIELD PRIOR TO ROUGH IN. WIRE AND CONNECT TO PANEL PCH. THE CHARGER SHALL BE WIRED TO (1) 50 AMP, 2 POLE BREAKER. PROVIDE (3) #8, 1 #8G IN (1) 1" UNDERGROUND CONDUIT. CHARGER FURNISHED BY OWNER AND INSTALLED/WIRED BY DIV 26. PROVIDE 1" UNDERGROUND CONDUIT WITH (1) CATEGORY 6 CABLE CONNECTED TO EACH CHARGER AND WIRED TO THE EV CHARGING BUILDING DATA CABINET.
5. WIRE AND CONNECT CAMERAS SHOWN ON ES100 TO CCTV HEAD END IN TELCOM 007. PROVIDE CATEGORY 6 CABLING FROM CAMERA LOCATION TO EV CHARGING BUILDING DADA CABINET. WIRE FROM DATA CABINET TO CCTV HEAD END VIA THE FIBER BACKBONE.

A4 KEYNOTES

PROJECT KEY PLAN



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AEI PROJECT NO. 12069 | CAD FILE:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

STATE OF MAINE · CATHERINE A. PAUCHER · No. 7575 · LICENSED PROFESSIONAL ENGINEER

PROJECT INFORMATION			
PROGRAM			
PROJECT MANAGER		P.E. NUMBER	7575
DESIGNER	AECOM		
CONSULTANT	ALLIED ENGINEERING	DATE	JANUARY 17, 2022
PROJECT RESIDENT			
CONTRACTOR			
PROJECT COMPLETION DATE	–		

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

ELECTRICAL SITE PLAN
PART PLAN WEST

SHEET NUMBER
ES100

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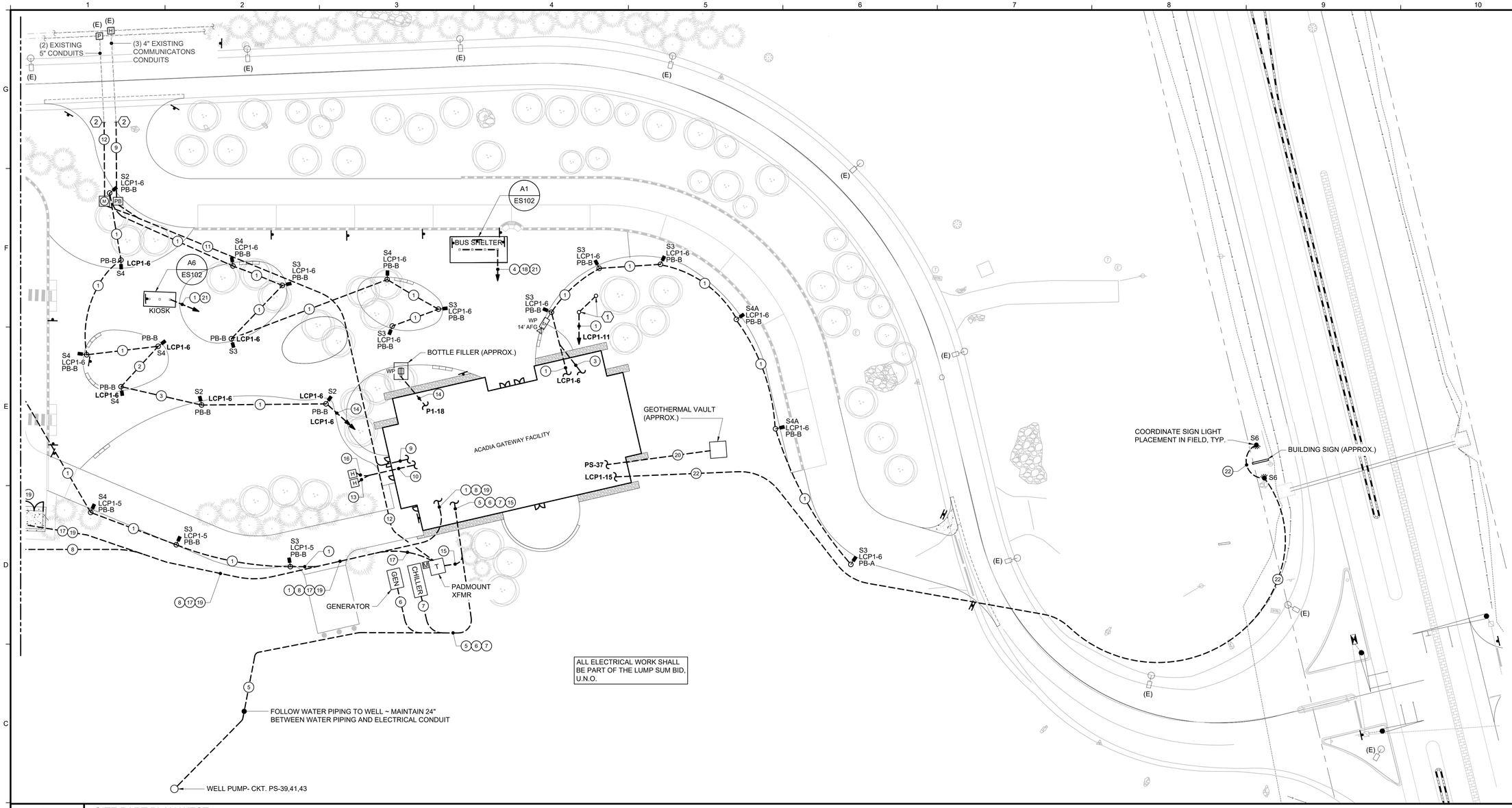
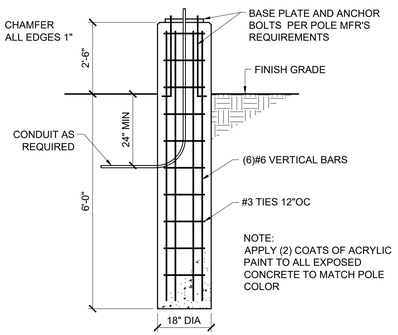


ALL ELECTRICAL WORK SHALL BE PART OF THE LUMP SUM BID, U.N.O.

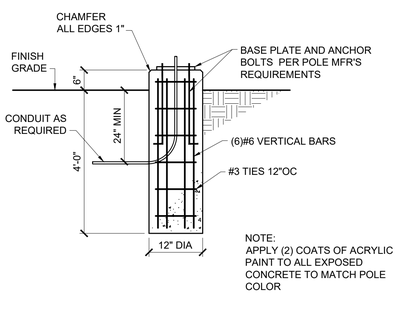
C1 SITE PART PLAN WEST

1"=30'-0"



A1 POLE BASE DETAIL ~ TYPE PB-A

NO SCALE



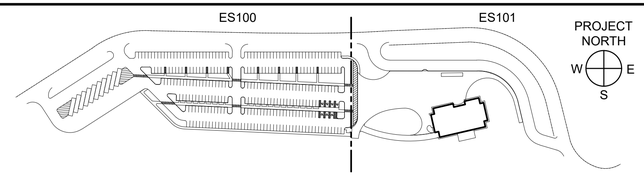
A3 POLE BASE DETAIL ~ TYPE PB-B

NO SCALE

1. WIRE AND CONNECT FLAGPOLES WITH INTEGRAL LIGHT. LIGHT FURNISHED BY DIVISION 10.
2. REMOVE EXISTING HAND HOLE AND CONNECT INDICATED CONDUITS TO EXISTING CONDUITS.

A6 KEYNOTES

PROJECT KEY PLAN



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AEI PROJECT NO. 12069 | CAD FILE:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

STATE OF MAINE — CATHERINE A. PAUCHER No. 7575 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE _____ P.E. NUMBER 7575 DATE JANUARY 17, 2022

INFORMATION	
PROJECT	
PROGRAM	
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

ELECTRICAL SITE PLAN
PART PLAN WEST

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SHEET NUMBER
ES101

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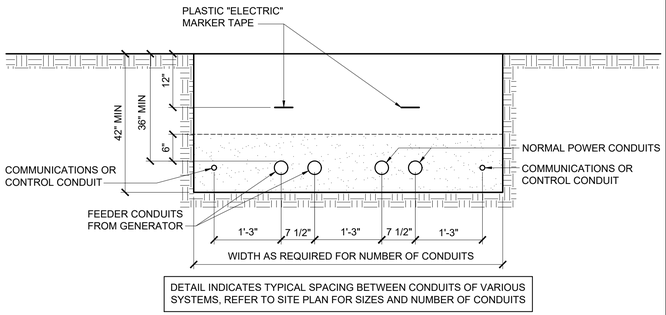
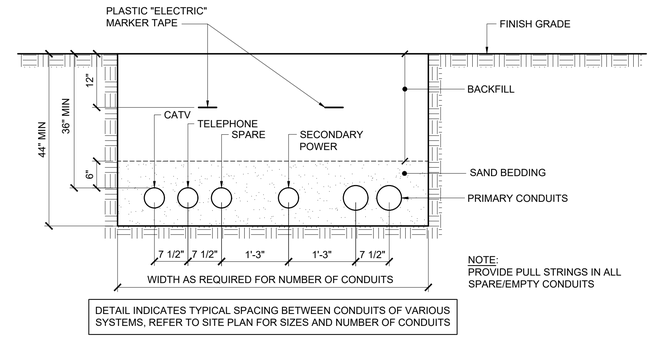


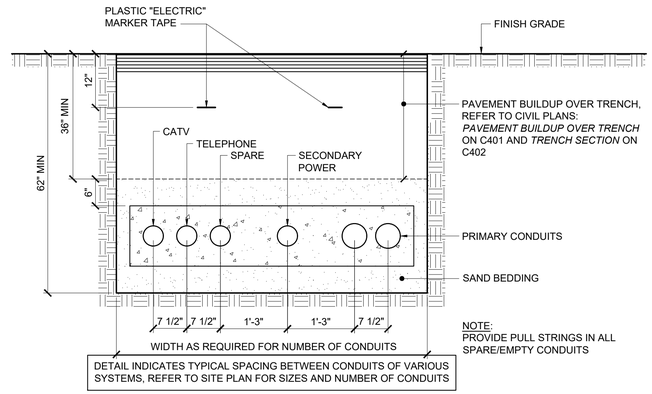
F1 — NO SCALE

TYPICAL TRENCH DETAIL AND TYPICAL SEPARATION OF NORMAL POWER SYSTEMS



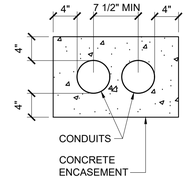
F4 — NO SCALE

TYPICAL TRENCH DETAIL AND TYPICAL SEPARATION OF UTILITY SYSTEMS



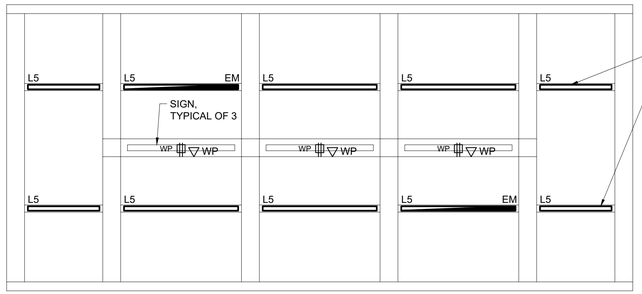
F7 — NO SCALE

TYPICAL TRENCH DETAIL AND TYPICAL SEPARATION OF UTILITY SYSTEMS UNDER PAVEMENT AND/OR WHERE REQUIRED TO BE CONCRETE ENCASED PER THE SPECIFICATIONS

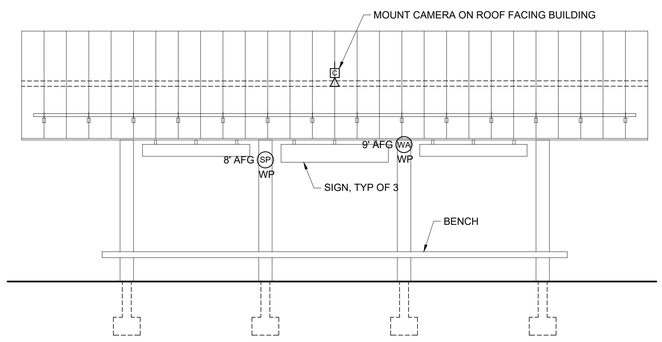


B6 — NO SCALE

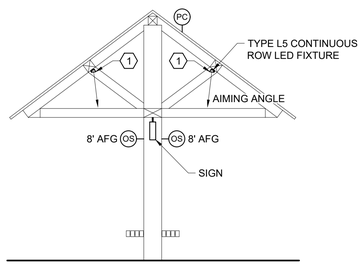
TYP CONCRETE ENCASEMENT



REFLECTED CEILING PLAN



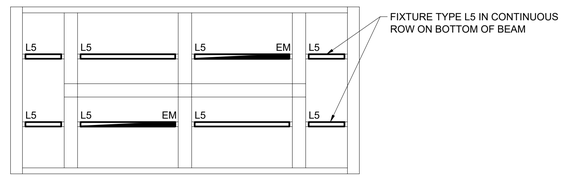
ELEVATION



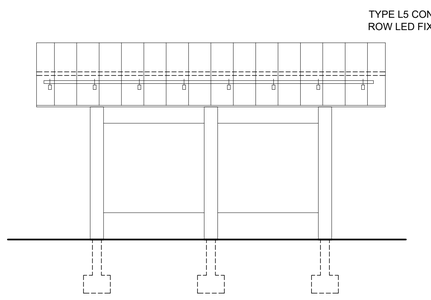
SECTION

A1 — 1/4"=1'-0"

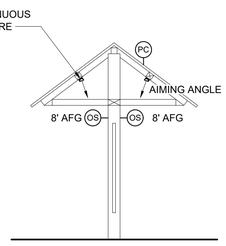
BUS SHELTER DETAILS



REFLECTED CEILING PLAN



ELEVATION



SECTION

A6 — 1/4"=1'-0"

KIOSK DETAILS

CIRCUITING NOTES, THIS SHEET ONLY:

BUS SHELTER NORMAL LIGHTING: PH-11
KIOSK NORMAL LIGHTING: PH-13
BUS SHELTER EMERGENCY LIGHTING: PE-5
KIOSK EMERGENCY LIGHTING: PE-6
RECEPTACLES: P1-18

LIGHTING CONTROL NOTE:
ALL LIGHTING IN BUS SHELTER AND KIOSK SHALL BE AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR WHEN LIGHTING IS ENABLED AFTER DARK BY THE PHOTOCELL.

ALL ELECTRICAL WORK SHALL BE PART OF THE LUMP SUM BID, U.N.O.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

STATE OF MAINE — CATHERINE A. PAUCHET — No. 7575 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE: –
P.E. NUMBER: 7575
DATE: JANUARY 17, 2022

PROJECT INFORMATION		
PROGRAM		
PROJECT MANAGER		
DESIGNER	AECOM	
CONSULTANT	ALLIED ENGINEERING	
PROJECT RESIDENT		
CONTRACTOR		
PROJECT COMPLETION DATE	–	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

ENLARGED PART SITE PLAN
ELECTRICAL SITE DETAILS

SHEET NUMBER
ES102

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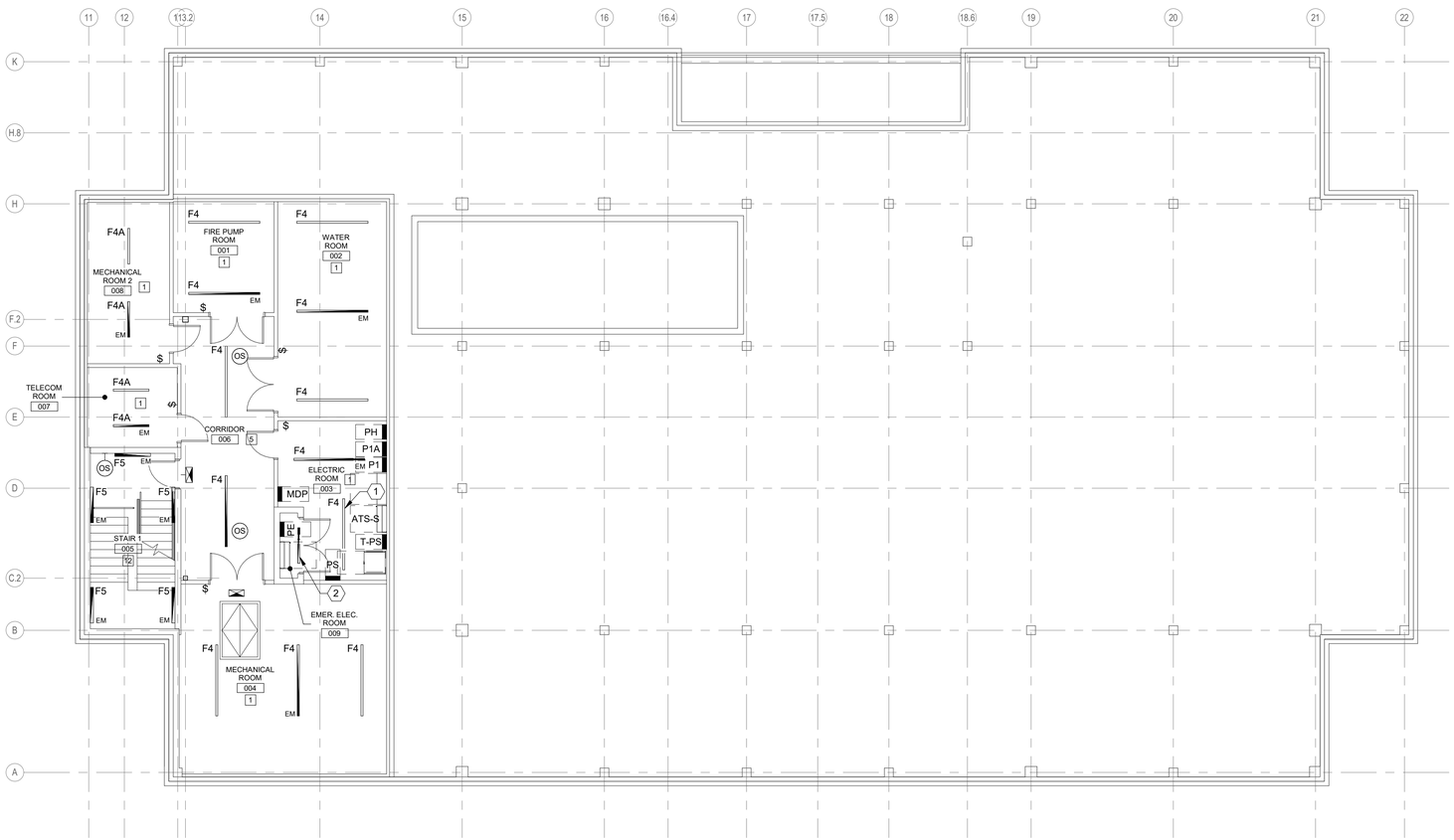
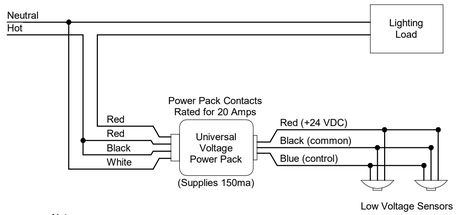
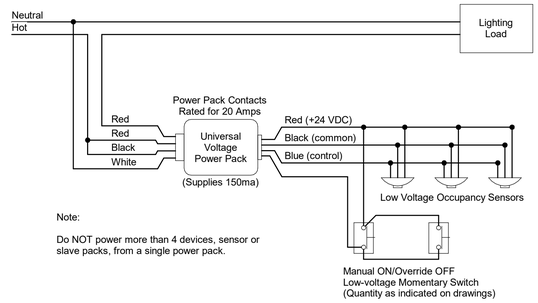




Note:

Do NOT power more than 4 devices, sensor or slave packs, from a single power pack.

F6 | LIGHTING CONTROL DETAIL - NOTE 5



Note:

Do NOT power more than 4 devices, sensor or slave packs, from a single power pack.

F8 | LIGHTING CONTROL DETAIL - NOTE 6

LIGHTING CONTROL NOTES SCHEDULE

TAG/ NOTE	DESCRIPTION OF LIGHTING CONTROL DEVICES AND OPERATION	DETAIL NUMBER
1	WALL SWITCH - MANUAL ON/MANUAL OFF	**NO DETAIL**
2	WALL SWITCH WITH OCCUPANCY SENSOR - MANUAL ON AND OFF/AUTO OFF	**NO DETAIL**
3	WALL SWITCH - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
4	LIGHTING CONTROLLED BY LCP - REFER TO LIGHTING CONTROL PANEL SCHEDULE	**NO DETAIL**
5	AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR(S)	**F6/EL100**
6	WALL SWITCH(ES) - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSOR(S)	**F8/EL100**
7	WALL SWITCH WITH DIMMER AND OCCUPANCY SENSOR - MANUAL ON AND OFF/MANUAL DIMMING/AUTO OFF	**NO DETAIL**
8	WALLSTATION(S) - MANUAL ON AND OFF WHERE NOTED ON PLANS; WALLSTATION(S) WITH DIMMER(S) - MANUAL ON AND OFF/MANUAL DIMMING; AUTO OFF VIA OCCUPANCY SENSORS	
9	WALLSTATION(S) - MANUAL ON AND OFF, WHERE NOTED ON PLANS; WALLSTATION(S) WITH DIMMER(S) - MANUAL ON AND OFF/MANUAL DIMMING; AUTO OFF VIA LCP; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
10	WALL SWITCH - MANUAL ON AND OFF; WALL SWITCH WITH MANUAL DIMMER - RAISE, LOWER, AND ON/OFF; AUTO OFF VIA OCCUPANCY SENSORS	
11	AUTO ON/OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
12	STAIRS - EACH FIXTURE SHALL BE WIRED TO A NORMAL CIRCUIT AND AN EMERGENCY CIRCUIT. EMERGENCY CIRCUIT SHALL BE CONTROLLED BY LCP ONLY. NORMAL CIRCUIT SHALL BE CONTROLLED BY AUTO ON/AUTO OFF MOTION SENSORS.	

LIGHTING KEY NOTES:

1. PROVIDE EMERGENCY BATTERY BALLAST IN THIS FIXTURE.
2. TYPE F4A EMERGENCY FIXTURE, WALL MOUNTED 12" ABOVE DOOR. CONTROL WITH ELECTRIC RM 003 LIGHTS.

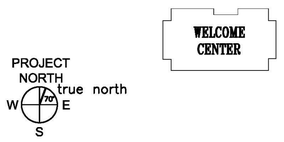
GENERAL NOTE

ALL FIXTURES TYPE F4 & F4A SHOWN ON THIS SHEET SHALL BE 9'-0" AFF U.N.O.

LIGHTING CIRCUITING NOTES, THIS SHEET ONLY:

NORMAL LIGHTING: PH-2
EXIT AND EMERGENCY LIGHTING: PE-2
STAIR NORMAL LIGHTING: PH-1 (277V)
STAIR EGRESS LIGHTING: LCP1-1 (277V)

PROJECT KEY PLAN



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Allied Project No: 12060 | Cad File:

A1 | LIGHTING PLAN - BASEMENT - VISITOR CENTER
1/8" = 1'-0"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE CATHERINE A FAUCHER No. 7575 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

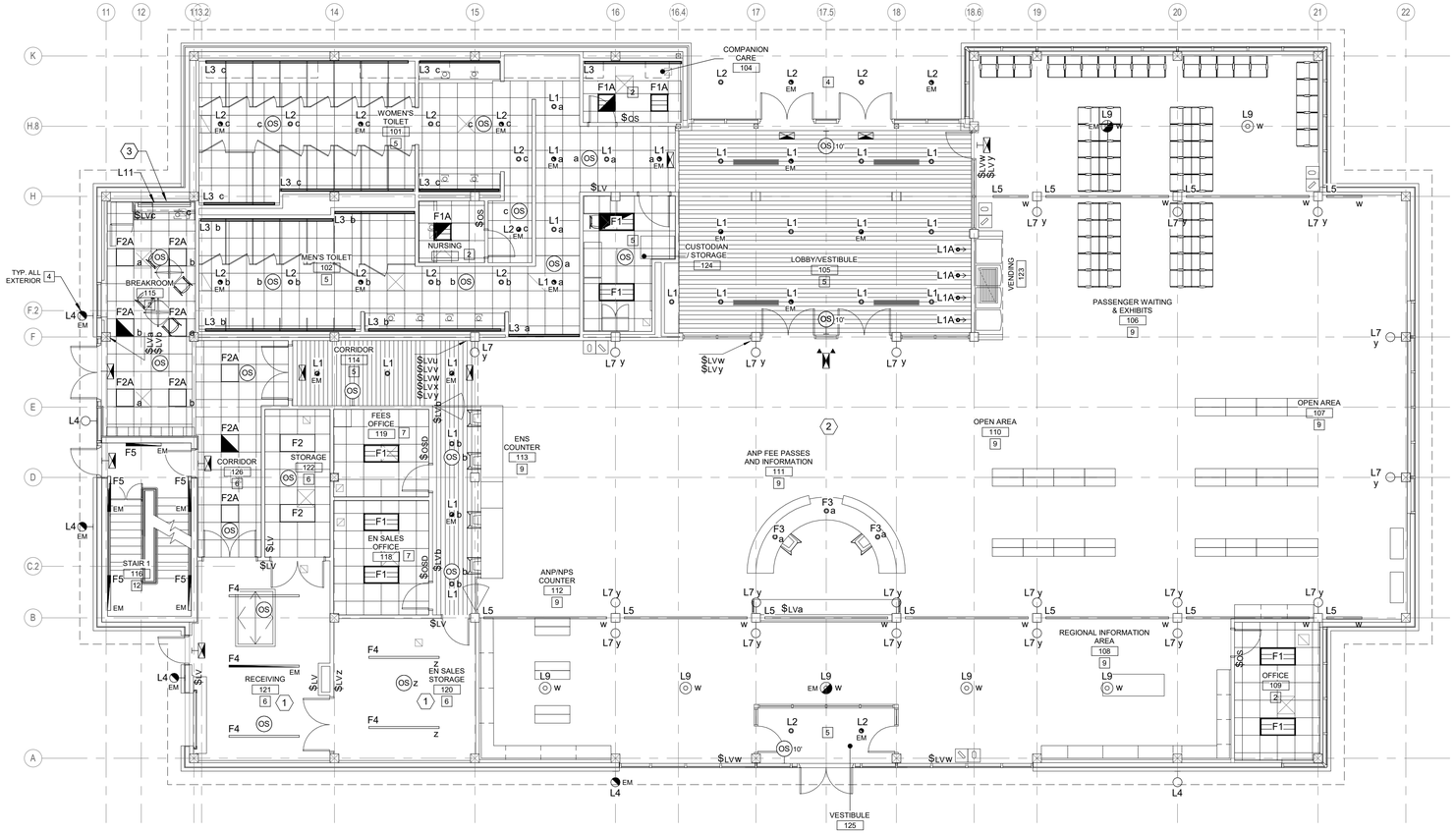
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Basement – Lighting Plan

SHEET NUMBER
EL100

Username: – Division: – Date: – Filename: –



LIGHTING CONTROL NOTES SCHEDULE

TAG/ NOTE	DESCRIPTION OF LIGHTING CONTROL DEVICES AND OPERATION	DETAIL NUMBER
1	WALL SWITCH - MANUAL ON/MANUAL OFF	**NO DETAIL**
2	WALL SWITCH WITH OCCUPANCY SENSOR - MANUAL ON AND OFF/AUTO OFF	**NO DETAIL**
3	WALL SWITCH - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
4	LIGHTING CONTROLLED BY LCP - REFER TO LIGHTING CONTROL PANEL SCHEDULE	**NO DETAIL**
5	AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR(S)	**F6/EL100**
6	WALL SWITCH(ES) - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSOR(S)	**F8/EL100**
7	WALL SWITCH WITH DIMMER AND OCCUPANCY SENSOR - MANUAL ON AND OFF/MANUAL DIMMING/AUTO OFF	**NO DETAIL**
8	WALLSTATION(S) - MANUAL ON AND OFF WHERE NOTED ON PLANS; WALLSTATION(S) WITH DIMMER(S) - MANUAL ON AND OFF/MANUAL DIMMING; AUTO OFF VIA OCCUPANCY SENSORS	
9	WALLSTATION(S) - MANUAL ON AND OFF, WHERE NOTED ON PLANS; WALLSTATION(S) WITH DIMMER(S) - MANUAL ON AND OFF/MANUAL DIMMING; AUTO OFF VIA LCP; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
10	WALL SWITCH - MANUAL ON AND OFF; WALL SWITCH WITH MANUAL DIMMER - RAISE, LOWER, AND ON/OFF; AUTO OFF VIA OCCUPANCY SENSORS	
11	AUTO ON/OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
12	STAIRS - EACH FIXTURE SHALL BE WIRED TO A NORMAL CIRCUIT AND AN EMERGENCY CIRCUIT. EMERGENCY CIRCUIT SHALL BE CONTROLLED BY LCP ONLY. NORMAL CIRCUIT SHALL BE CONTROLLED BY AUTO ON/AUTO OFF MOTION SENSORS.	

LIGHTING KEY NOTES:

1. MOUNT FIXTURES IN THIS ROOM 9'-0" AFF. U.N.O.
2. CONDUIT AND WIRING SHALL BE CONCEALED FROM VIEW. ALL EXPOSED WIRING IN THIS SPACE SHALL BE ROUTED ON TOP OF BEAMS AND SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN.
3. CONNECT UNDERCABINET LIGHTING FIXTURE TO A 120V CIRCUIT SERVING THE COUNTERTOP.

LIGHTING CIRCUITING NOTES, THIS SHEET ONLY:

OPEN AREA LIGHTING SWITCH 'a': LCP1-8 (120V)
OPEN AREA LIGHTING SWITCH 'y': LCP1-9 (120V)
OPEN AREA LIGHTING SWITCH 'w': LCP1-12 (277V)
NORMAL (OTHER THAN OPEN AREA) LIGHTING: PH-3
EXIT AND EMERGENCY LIGHTING: PE-3
STAIR NORMAL LIGHTING: PH-1 (277V)
STAIR EGRESS LIGHTING: LCP1-1 (277V)

PROJECT KEY PLAN

PROJECT NORTH true north

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Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE CATHERINE A. FAUCHER No. 7575 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

First Floor Visitor Center - Lighting Plan

SHEET NUMBER
EL101

A1	LIGHTING PLAN - FIRST FLOOR - VISITOR CENTER
1/8" = 1'-0"	

Username: --
Division: --
Date: --
Filename: --

LIGHTING CONTROL NOTES SCHEDULE

TAG/ NOTE	DESCRIPTION OF LIGHTING CONTROL DEVICES AND OPERATION	DETAIL NUMBER
1	WALL SWITCH - MANUAL ON/MANUAL OFF	NO DETAIL
2	WALL SWITCH WITH OCCUPANCY SENSOR - MANUAL ON AND OFF/AUTO OFF	NO DETAIL
3	WALL SWITCH - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
4	LIGHTING CONTROLLED BY LCP - REFER TO LIGHTING CONTROL PANEL SCHEDULE	NO DETAIL
5	AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR(S)	F6/EL100
6	WALL SWITCH(ES) - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSOR(S)	F8/EL100
7	WALL SWITCH WITH DIMMER AND OCCUPANCY SENSOR - MANUAL ON AND OFF/MANUAL DIMMING/AUTO OFF	NO DETAIL
8	WALLSTATION(S) - MANUAL ON AND OFF WHERE NOTED ON PLANS; WALLSTATION(S) WITH DIMMER(S) - MANUAL ON AND OFF/MANUAL DIMMING; AUTO OFF VIA OCCUPANCY SENSORS	
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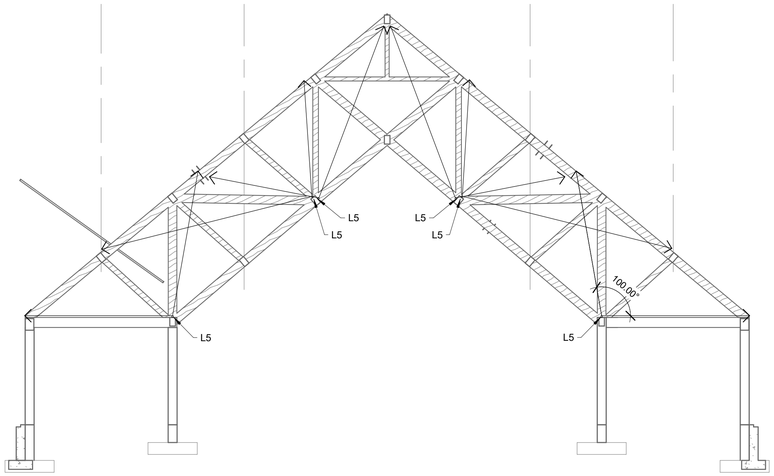
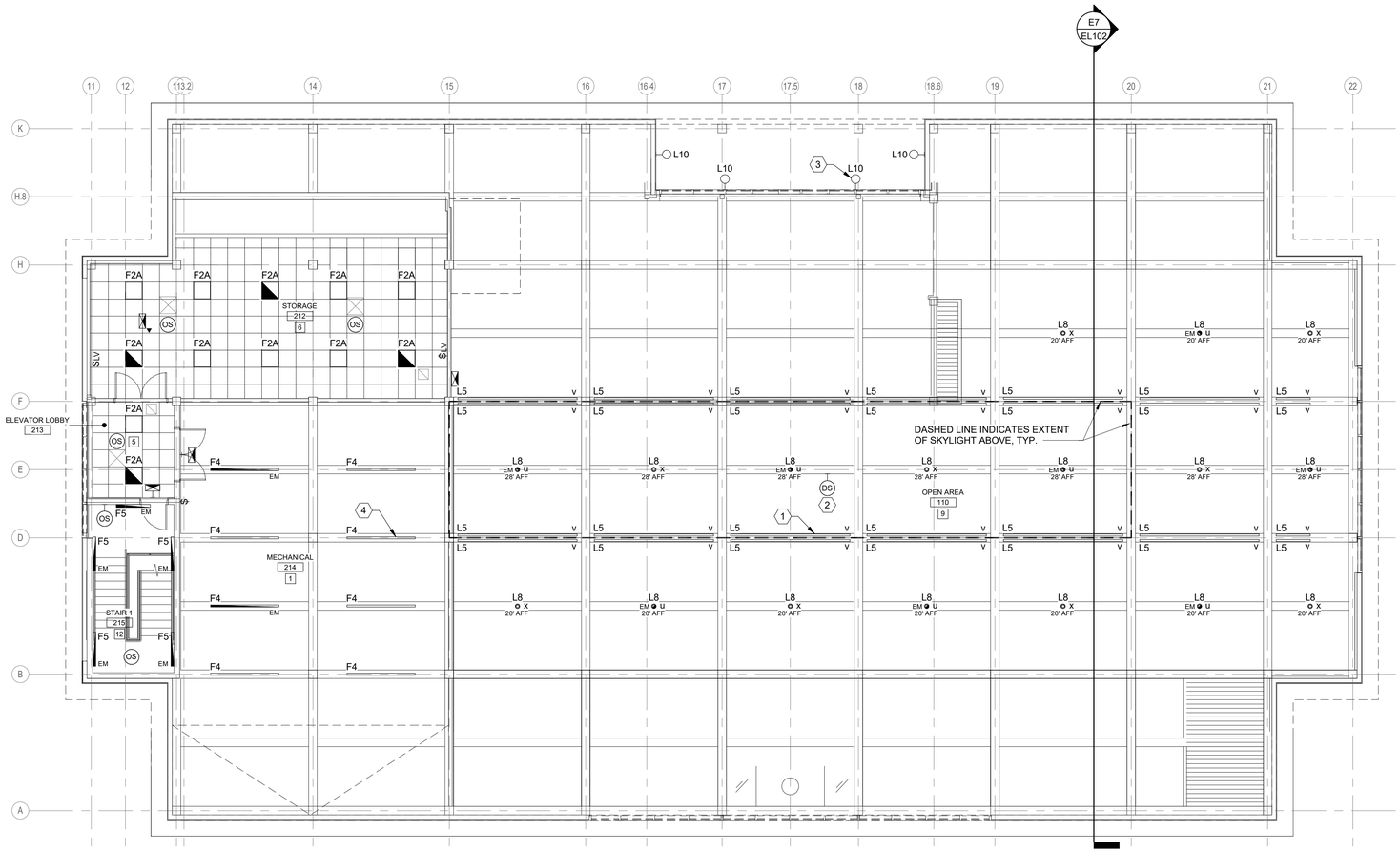
10	WALL SWITCH - MANUAL ON AND OFF; WALL SWITCH WITH MANUAL DIMMER - RAISE, LOWER, AND ON/OFF; AUTO OFF VIA OCCUPANCY SENSORS	
11	AUTO ON/OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	
12	STAIRS - EACH FIXTURE SHALL BE WIRED TO A NORMAL CIRCUIT AND AN EMERGENCY CIRCUIT. EMERGENCY CIRCUIT SHALL BE CONTROLLED BY LCP ONLY. NORMAL CIRCUIT SHALL BE CONTROLLED BY AUTO ON/AUTO OFF MOTION SENSORS.	



E7 — TYPE L5 FIXTURE AIMING

1/8" = 1'-0"



LIGHTING KEY NOTES:

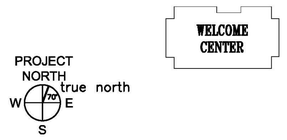
1. MOUNT FIXTURE TYPE L5 TO TOP OF BEAM, FACING UP. TYP. ALL TYPE L5's THIS SHEET.
2. MOUNT DAYLIGHT SENSOR TO SIDE OF BEAM. CONTROLS FIXTURES WITH 'u', 'v', AND 'x' SUBSCRIPTS.
3. MOUNT POINTING UP TO GRAZE ROOF EYEBROW. TYP. ALL L10's THIS SHEET.
4. MOUNT F4's IN THIS ROOM TO UNDERSIDE OF BEAMS, TYP.

LIGHTING CIRCUITING NOTES, THIS SHEET ONLY:

OPEN AREA LIGHTING:
- GROUP 'x': LCP1-14 (277V)
- GROUP 'u': LCP1-3 (277V)
- GROUP 'v', PLAN NORTH OF ROOF PEAK: LCP1-13 (277V)
- GROUP 'v', PLAN SOUTH OF ROOF PEAK: LCP1-13 (277V)

NORMAL (OTHER THAN OPEN AREA) LIGHTING: PH-7
EXIT AND EMERGENCY LIGHTING: PE-4
STAIR NORMAL LIGHTING: PH-1 (277V)
STAIR EGRESS LIGHTING: LCP1-1 (277V)

PROJECT KEY PLAN



A1 — LIGHTING PLAN - SECOND FLOOR - VISITOR CENTER

1/8" = 1'-0"

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE — CATHERINE A. FAUCHER — No. 7575 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Second Floor Visitor Center – Lighting Plan

SHEET NUMBER
EL102

Username: – Division: – Date: – Filename: –

ACADIA GATEWAY LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER SEE NOTE 1	MOUNTING	VOLTS	LAMP			KEY NOTES
						WATTS	OUTPUT LUMENS	LED 3000K UNO	
F1	2x4 HIGH PERFORMANCE TROFFER	METALUX	24RLN	RECESSED	277	35	4743		5
F1A	2x2 HIGH PERFORMANCE TROFFER	METALUX	22RLN	RECESSED	277	21	2543		5
F2	2x4 LENSED TROFFER	METALUX	24FP	RECESSED	277	40	3884		5
F2A	2x2 LENSED TROFFER	METALUX	22FP	RECESSED	277	30	3331		5
F3	DECORATIVE PENDANT	AYRE	NAK1	PENDANT 12'-0" AFF	120	7	370		3, 6
F4	8' SURFACE OR PENDANT STRIP	METALUX	8TSLN LED	CEILING UNO	277	42	6063		5
F4A	4' SURFACE OR PENDANT STRIP	METALUX	4SLN LED	CEILING UNO	277	21	3032		5
F5	4' STAIRWAY LIGHT	METALUX	SWLED/FULL FROST LENS WIDE/2 DRIVERS	WALL 6'-6" AFF	277	40	4436		5,7
L1	DOWNLIGHT	ALPHABET	NU4RD SERIES- 80 CRI-WIDE FLOOD SPECULAR REFLECTOR WITH CLEAR LENS-MATT CHROME TRIM AND BEZEL	RECESSED	277	30	2600		5
L1A	ADJUSTABLE SPOT LIGHT	ALPHABET	NU4RA SERIES- 90 CRI-35 DEGREE SPECULAR SPECULAR REFLECTOR WITH CLEANR LENS-MATT CHROME TRIM AND BEZEL	RECESSED	277	27	2320		5
L2	DOWNLIGHT, WET LOCATION	ALPHABET	NU6RDLED- WIDE FLOOD SPECULAR REFLECTOR WITH CLEAR LENS-MATT CHROME TRIM AND BEZEL	RECESSED	277	30	2560		5
L3	3" CONTINUOUS SLOT LIGHT	NEORAY	S123DR- WITH SATIN FROSTED SMOOTH FLAT DIFFUSER	RECESSED	277	6 W/FT	560 LUMENS /FT		
L4	EXTERIOR WALL LIGHT	STREETWORKS	GAWSA1-T4W-BZ	WALL	277	44	6060	LED 4000K	5
L5	ADJUSTABLE TRUSS MOUNTED LED UPLIGHT	ACCLAIM LIGHTING	LN SERIES WITH 90 DEGREE SYMMETRIC DISTRIBUTION, 80 CRI, ADJUSTABLE MOUNT -FOR OUTDOOR FIXTURES PROVIDE EXTERIOR WEATHERPROOF VERSION	TOP OF TRUSS UNO	277	12W/FT	794 LUMENS/FT		8
L7	3" DIA 7" H COLUMN UPLIGHT WITH SURFACE CANOPY	B-K LIGHTING	CL LED TR WFL-C WITH CLEAR LENS, NO WEEPHOLE,80 CRI,DIMMING	WALL 7'-6"	120	13	696		3,8
L8	9" CYLINDER PENDANT	KIRLIN	LSR09479 WIDE FLOOD/CRI 80/CLEAR REFLECTOR SELF TRIM WITHSPREAD LENS/STEM MOUNT	PENDANT HEIGHT AS NOTED	277	73	6500		3
L9	12" DECORATIVE PENDANT	VANTAGE LIGHTING	PGVPLED12-FLAT CLEAR BOTTOM LENS	PENDANT 16'-0" AFF	277	57	5000		3
L10	ADJUSTABLE FLOOD	TARGETTI	BLT RP L2 WIDE FLOOD	WALL 14'-0" AFF	277	12	800		3
L11	UNDERCABINET LIGHT	BRUCK	138546-WHITE HOUSING- PROVIDE LENGTH AS SHOWN ON PLANS	SURFACE	120	18	1350	LED ARRAY 3000K	
	AC ONLY EXIT SIGN	DUAL LITE	SE*RG	SEE NOTES	120 V AC ONLY	4		LED	4,5, 6
EBU	EMERGENCY BATTERY UNIT	DUAL LITE	DYN 6 SPECTRON/HEATER FOR COLD TEMP/NEMA 4X	WALL 7'6" AFF	120 VAC 6V DC	(2)6W	600	LED	
S1	SITE LIGHTING POLE LIGHT	MCGRAW EDISON	TLM WITH STANDARD 9" ARM-SINGLE HEAD -TYPE II DIST.	30' POLE	208	110W	8997	LED ARRAY 4000K	3,5
S2	SITE LIGHTING POLE LIGHT	MCGRAW EDISON	TLM WITH STANDARD 9" ARM-SINGLE HEAD -TYPE II DIST.	14' POLE	208	55W	5059	LED ARRAY 4000K	3,5
S3	SITE LIGHTING POLE LIGHT	MCGRAW EDISON	TLM WITH STANDARD 9" ARM-SINGLE HEAD -TYPE III DIST.	14' POLE	208	55W	5092	LED ARRAY 4000K	3,5
S4	SITE LIGHTING POLE LIGHT	MCGRAW EDISON	TLM WITH STANDARD 9" ARM-SINGLE HEAD -TYPE IV DIST.	14' POLE	208	55W	4990	LED ARRAY 4000K	2,3,5
S4A	SITE LIGHTING POLE LIGHT	MCGRAW EDISON	TLM WITH STANDARD 9" ARM-SINGLE HEAD -TYPE IV DIST.	20' POLE	208	55W	4990	LED ARRAY 4000K	3,5
S5	WALL LIGHT	KENALL	FN15 47 DB CEL	WALL 8' AFF	120	24	3000	LED ARRAY 4000K	
S6	SIGN LIGHT- SLIPFITTER GROUND-MOUNTED	LUMARK	NFFLD-S-C70-D-UNV-66	GRADE	208	20	2682	LED ARRAY 4000K	3,9

	NOTES
1	**NOTE THAT THESE NUMBERS ARE NOT COMPLETE CATALOG #'S. PROVIDE ALL REQUIREMENTS ON SCHEDULE,NOTES, SPECS, AND DRAWINGS COMBINED.**
2	THE (4) S4 FIXTURES LOCATED ON SHEET ES100 AT THE EV CHARGING AREA SHALL HAVE INTEGRAL MOTION SENSORS. PROVIDE PHOTOCELL ON ROOF OF EV BUILDING. FIXTURES SHALL BE CONTROLLED BY MOTION SENSORS. SENSOR OPERATION TO TURN ON LIGHTS SHALL BE ENABLED AFTER DARK BY THE PHOTOCELL.
3	FINISHES SHALL BE AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD FINISHES.
4	PROVIDE WALL,CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED.
5	DLC PREMIUM OR ENERGY STAR
6	VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT PRIOR TO ORDERING ANY LIGHT FIXTURES.
7	FIXTURE SHALL HAVE 2 DRIVERS. (1) SHALL BE WIRED TO NORMAL POWER AND (1) SHALL BE WIRED TO EMERGENCY POWER.
8	PROVIDE ACCESSORIES, FEEDS, CONNECTORS,DRIVERS, MOUNTING EQUIPMENT, ETC. REQUIRED FOR COMPLETE OPERABLE INSTALLATION IN LENGTHS SHOWN ON PLAN.
9	PROVIDE WITH TOP AND SIDE SHIELD VISORS OPTION.

1. CATALOG SERIES NUMBERS ARE USED TO ESTABLISH A LEVEL OF QUALITY AND NOT INTENDED TO LIMIT COMPETITION. SERIES NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. COMPLY WITH ADDITIONAL REQUIREMENTS IN SPECIFICATIONS AND DRAWINGS.

2. FIELD DIMENSION WALL COVE, WALL VALENCE AND WALL SLOT LIGHTING PRIOR TO ORDERING TO ENSURE PROPER FIXTURE LENGTHS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN LENGTHS SHOWN ON DRAWINGS AND ACTUAL FIELD DIMENSIONS. ADJUST LENGTHS OF ANY SPECIFIED FIXTURE AS DIRECTED BY ARCHITECT.

3. EXCEPT AS INDICATED OTHERWISE ON FIXTURE SCHEDULE, SUSPENDED LIGHT FIXTURES SHALL BE FURNISHED AND INSTALLED COMPLETE WITH STEEL STEM SETS, AND PIECES AND ALIGNERS WITH ALIGNER TYPE CANOPIES AS MANUFACTURED BY RESPECTIVE FIXTURE MANUFACTURER.

4. PENDANT MOUNTING HEIGHTS ARE TO BOTTOM OF FIXTURE. VERIFY EXACT MOUNTING HEIGHTS OF PENDANT FIXTURES WITH ARCHITECT PRIOR TO ROUGHING.

5. WALL MOUNT FIXTURE HEIGHTS ARE TO CENTERLINE UNLESS NOTED OTHERWISE. VERIFY EXACT MOUNTING HEIGHTS AND LOCATIONS OF WALL MOUNTED LIGHTING WITH ARCHITECT PRIOR TO ROUGHING.

6. REFER TO REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHTING AND DEVICES.

7. PROVIDE TRIM AND MOUNTING ACCESSORIES FOR RECESSED LIGHTING FIXTURES WHICH ARE COMPATIBLE WITH THE TYPE OF CEILING CONSTRUCTION IN WHICH THEY ARE TO BE MOUNTED. REFER TO REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULES.

8. LIGHT FIXTURE LOCATIONS IN MECHANICAL ROOMS AND ELECTRIC ROOMS ARE APPROXIMATE. INSTALL LIGHTING TO AVOID DUCTWORK, PIPING AND ELECTRICAL ITEMS.

9. PENDANT LINEAR FIXTURES SHALL SATISFY LENGTHS SHOWN ON DRAWINGS.

10. PROVIDE WIRE GUARDS WHERE INDICATED ON FLOOR PLANS.

LIGHTING CONTROL PANEL SCHEDULE ~ LCP1

DESIGNATION: LCP1			MOUNTING: SURFACE
CONTROL VOLTAGE: 277V			LOCATION: MAIN ELECTRIC ROOM
CONTROL CIRCUIT: PH-9			
RELAY NO	CIRCUIT NO	KEYNOTE NO	DESCRIPTION
1	PE-1	4	STAIRS (277V)
2	PE-3	1,5	OUTDOOR WALL LIGHTING (277V)
3	PE-4	3,5	OPEN AREA SWITCH 'u' (277V)
4			
PROVIDE BARRIER BETWEEN NORMAL AND EMERGENCY CIRCUITS			
5	P1A-10,12	1	POLE LIGHTS (208V)
6	P1A-6,8	1	POLE LIGHTS (208V)
7	P1A-4	2	FLAG POLE LIGHT (120V)
8	P1-19	3	OPEN AREA SWITCH 'a' (120V)
9	P1-19	3	OPEN AREA SWITCH 'y' (120V)
10	PH-1	4	STAIRS (277V)
11	PH-3	1	OUTDOOR WALL LIGHTING (277V)
12	PH-4	3	OPEN AREA SWITCH 'w' (277V)
13	PH-5 & PH-6	3	OPEN AREA SWITCH 'v' (277V)
14	PH-7	3	OPEN AREA SWITCH 'x' (277V)
15	P1A-4	1	SIGN LIGHTS (120V)
16			SPARE
17			SPARE
18			SPARE
19			SPARE
20			SPARE
21			SPARE
22			SPARE
23			SPARE
24			SPARE
	KEYNOTES:		
1	PROGRAM FOR AUTO-ON/AUTO-OFF CONTROL VIA ASTRONOMICAL CLOCK ~ COORDINATE TIME SCHEDULE WITH OWNER.		
2	PROGRAM FOR AUTO-ON/AUTO-OFF VIA PHOTOCELL.		
3	MANUAL ON VIA WALL SWITCH, AUTO OFF VIA TIME CONTROLS.		
4	STAIRS - EACH FIXTURE SHALL BE WIRED TO A NORMAL CIRCUIT AND AN EMERGENCY CIRCUIT. EMERGENCY CIRCUIT SHALL BE CONTROLLED BY LCP ONLY AND EMERGENCY LIGHTING SHALL BE ON DURING BUILDING OCCUPIED HOURS.. NORMAL CIRCUIT SHALL BE CONTROLLED BY AUTO ON/AUTO OFF MOTION SENSORS. ALL STAIR LIGHTING SHALL BE ON/FULL OUTPUT UPON LOSS OF NORMAL POWER OR FIRE ALARM.		
5	EMERGENCY LIGHTING SHALL BE ON/FULL OUTPUT UPON LOSS OF NORMAL POWER OR FIRE ALARM.		
	GENERAL NOTES:		
1	PROVIDE INTEGRAL ASTRONOMICAL TIME CLOCK.		
2	PROVIDE CAT6 DATA CABLE FROM LCP TO DATA NETWORK IN TELECOM ROOM 007 FOR REMOTE LIGHTING CONTROL AND MONTORING.		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
DATE
FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

STATE OF MAINE · CATHERINE A. FAUCHER · No. 7575 · LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 7575
DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Luminaire Schedules

SHEET NUMBER
EL600

Allied Engineering
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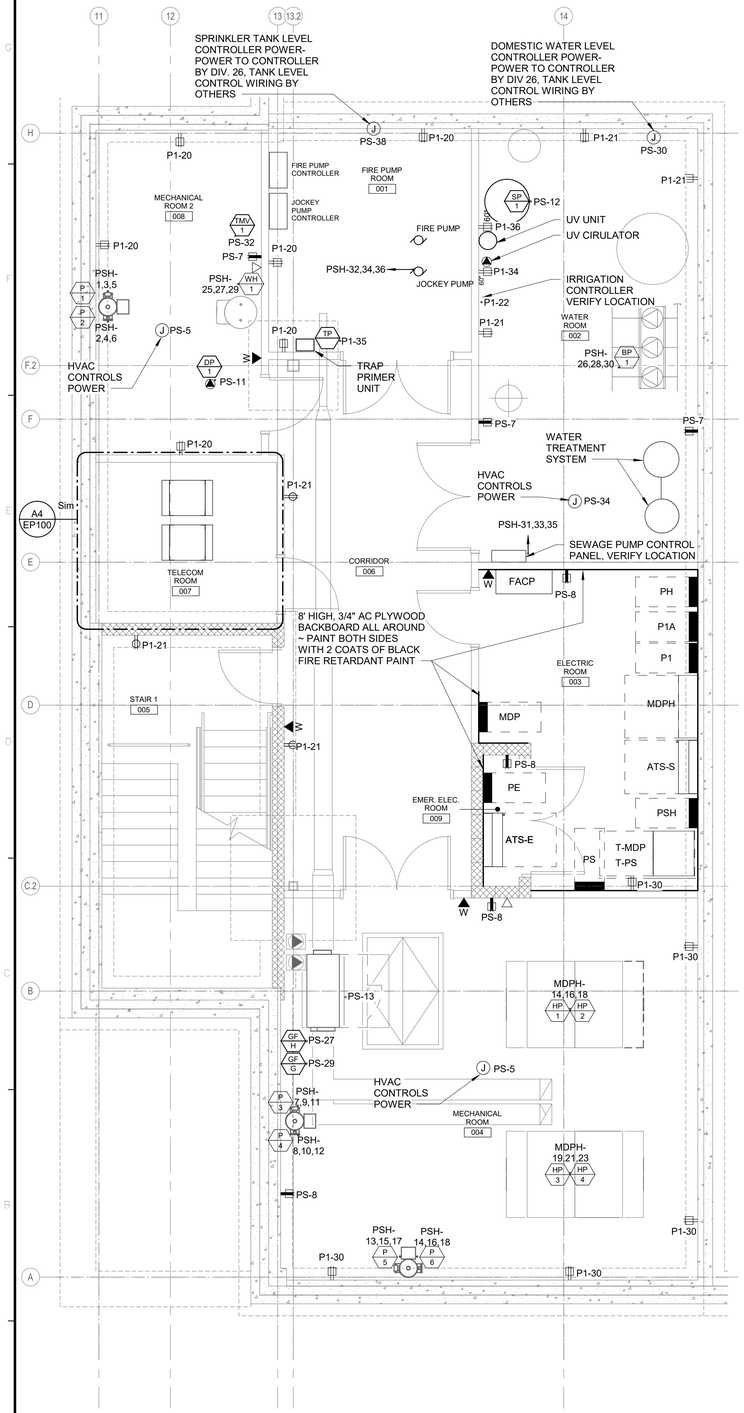
www.aecom.com

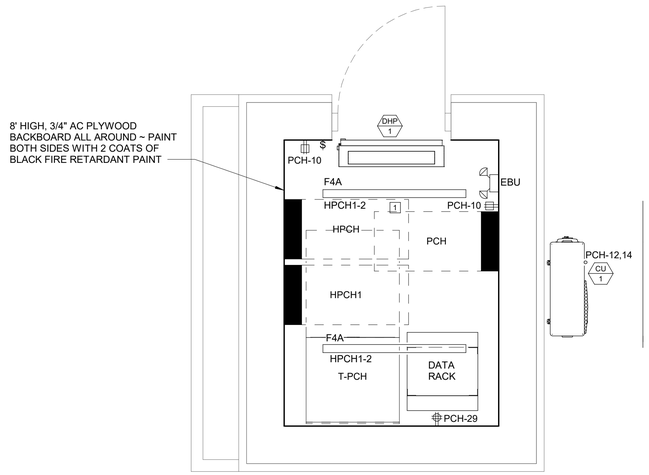
Allied Project No: 12069 | Cad File:

Username: -
Division: -
Date: -
Filename: -



A1 | ENLARGED BASEMENT POWER PLAN

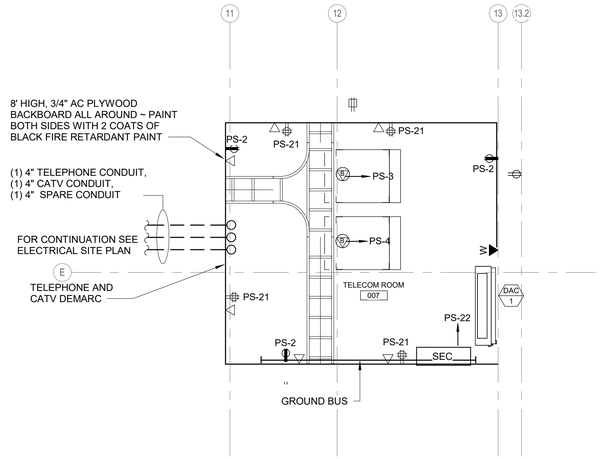
1/4" = 1'-0"



COORDINATE WITH SITE PLAN FOR LOCATION OF EV CHARGING BUILDING - ES100

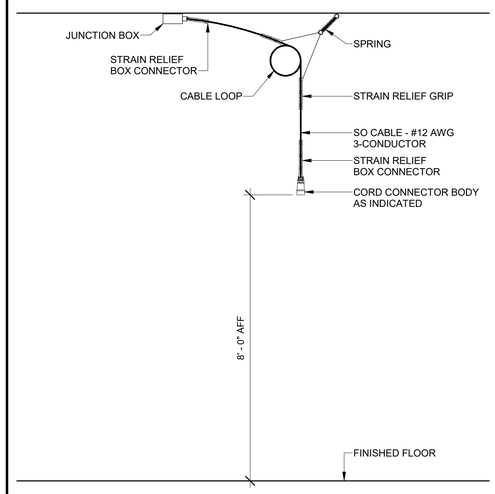
D4 | EV CHARGING BUILDING - ELECTRICAL ENLARGEMENT

1/2" = 1'-0"



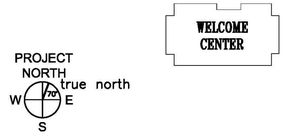
A4 | ENLARGED TEL/COM ROOM

3/8" = 1'-0"



A7 | CORD DROP DETAIL

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE	
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

STATE OF MAINE CATHERINE A FAUCHER No. 7575 LICENSED PROFESSIONAL ENGINEER

CATHERINE A FAUCHER
SIGNATURE
P.E. NUMBER 7575
DATE January 17, 2022

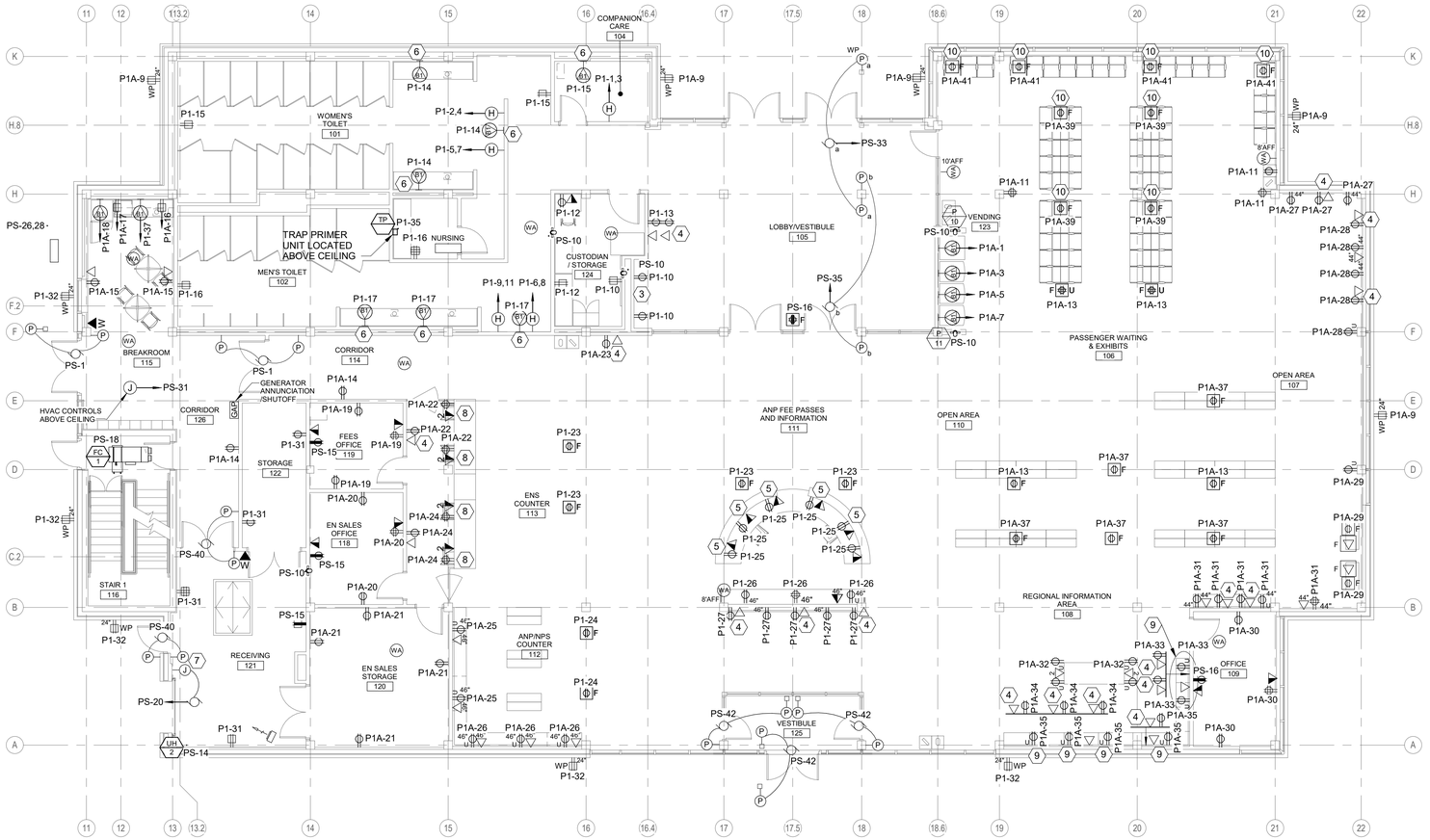
PROJECT INFORMATION		
PROGRAM	-	
PROJECT MANAGER	AECOM	
DESIGNER	ALLIED ENGINEERING	
CONSULTANT	-	
PROJECT RESIDENT	-	
CONTRACTOR	-	
PROJECT COMPLETION DATE	-	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Basement – Power Plan

SHEET NUMBER
EP100

Username: -
Division: -
Date: -
Filename: -



POWER KEY NOTES:

1. PROVIDE POWER ABOVE CEILING FOR MECHANICAL EQUIPMENT CONTROLS/POWER.
2. 3 WAY MANUAL TRANSFER SWITCH FOR PORTABLE GENERATOR.
3. WIRE DOWNSTREAM OF GFI ON CIRCUIT
4. MONITOR(S): (RECEPTACLE AND DATA OUTLET): CONFIRM MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH IN.
5. LOCATION AND HEIGHT AS DIRECTED BY ARCHITECT. REFER TO SHEET A722 LOCATIONS AND MOUNTING DETAILS.
6. PAPER TOWEL DISPENSER(S): CONFIRM MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH IN.
7. JUNCTION BOX AT 44"AFF AND 1" CONDUIT FOR DOOR CONTROLS. CONTROLS AND CONTROLS CABLING BY OTHERS.
8. REFER TO SHEET A725 FOR LOCATIONS AND MOUNTING DETAILS.
9. HORIZONTAL OUTLETS AND RECEPTACLES: REFER TO DETAILS 4 AND 5 - SHEET A728 FOR MOUNTING.
10. POWER FOR FUTURE SEATING.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

STATE OF MAINE · CATHERINE A. FAUCHER · No. 7575 · LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

First Floor Visitor Center – Power Plan

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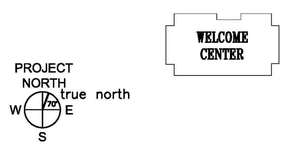
PROJECT KEY PLAN



SHEET NUMBER
EP101

A1	POWER PLAN - FIRST FLOOR - VISITOR CENTER
1/8" = 1'-0"	

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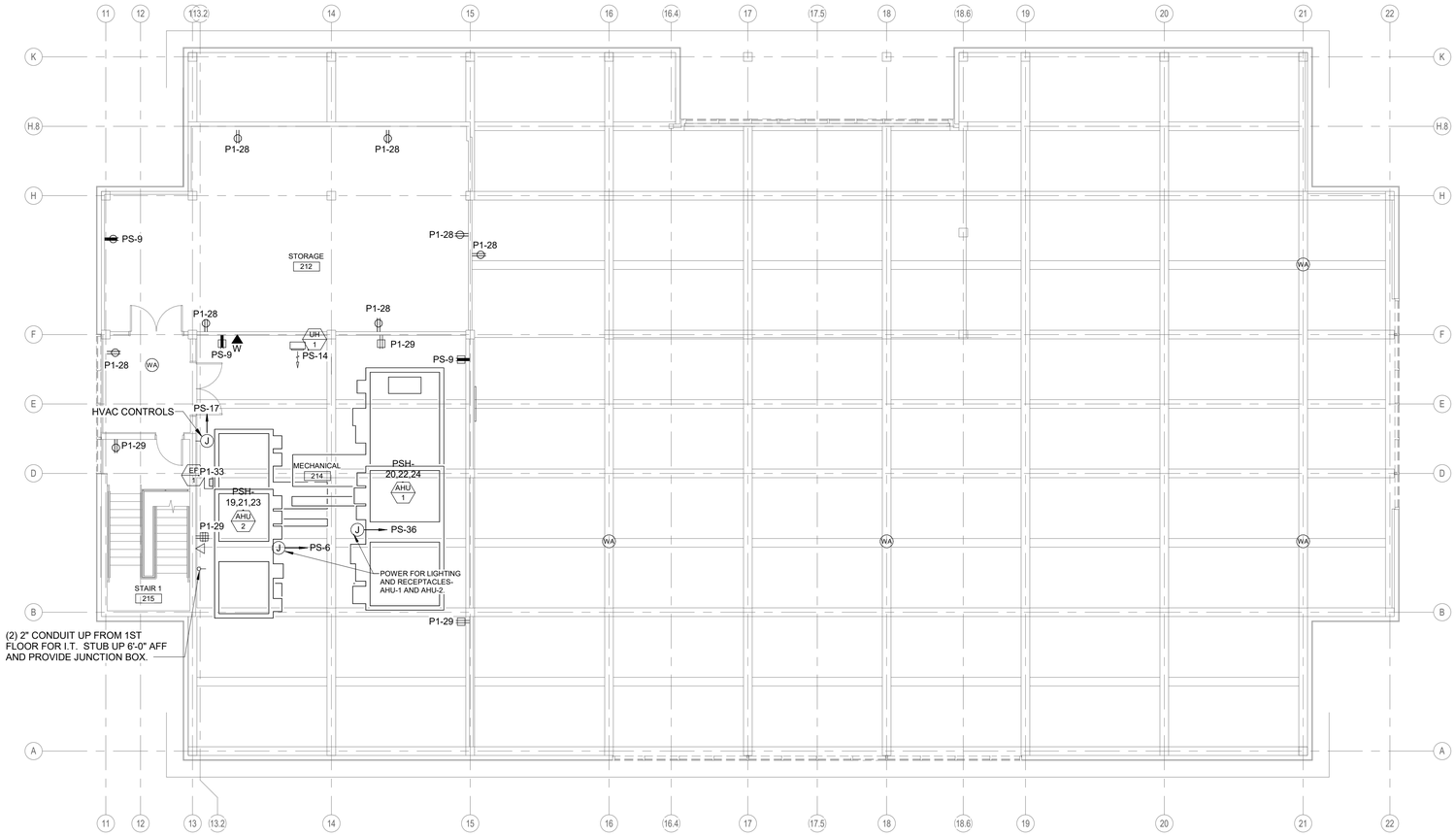
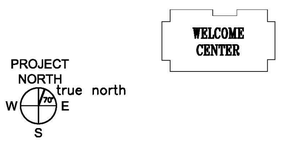
Allied Project No: 12069 | Cad File:

Username: -- Division: -- Date: -- Filename: --



PROJECT KEY PLAN



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
CATHERINE A. FAUCHER
No. 7575
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION			
PROGRAM	-	-	-
PROJECT MANAGER	-	AECOM	-
DESIGNER	-	ALLIED ENGINEERING	-
CONSULTANT	-	-	-
PROJECT RESIDENT	-	-	-
CONTRACTOR	-	-	-
PROJECT COMPLETION DATE	-	-	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Second Floor Visitor Center – Power Plan

SHEET NUMBER
EP102

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Allied Project No: 12063 | Cad File:

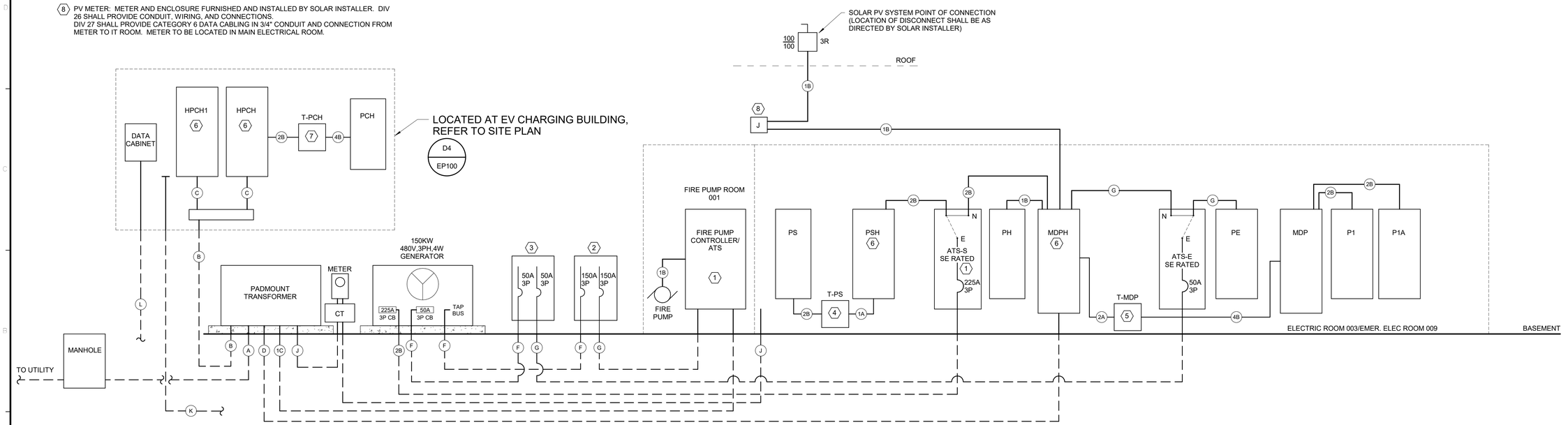
A1	POWER PLAN - SECOND FLOOR - VISITOR CENTER
1/8" = 1'-0"	

Username: –
Division: –
Date: –
Filename: –

FEEDER SCHEDULE			
TAG	DESCRIPTION	CONDUCTORS (NOTE 1)	CONDUIT (NOTE 2)
1A	125 AMP PRIMARY/FEEDER	(3) #1, (1) #6 G	1 1/4"
1B	125 AMP SECONDARY/FEEDER	(4) #1, (1) #6 G	1 1/2"
1C	125 AMP FEEDER	(4) #1	1 1/2"
2A	225 AMP PRIMARY/FEEDER	(3) #4/0, (1) #4 G	2"
2B	225 AMP SECONDARY/FEEDER	(4) #4/0, (1) #4 G	2 1/2"
4A	400 AMP PRIMARY/FEEDER	(3) 500, (1) #3 G	3"
4B	400 AMP SECONDARY/FEEDER	(4) 500, (1) #3 G	3"
A	UTILITY PRIMARY	PULL STRING FOR USE BY UTILITY	IN EACH OF (2) 5"
B	1200 AMP FEEDER - UNDERGROUND	(4) 600 KCMIL	IN EACH OF (3) 4"
C	600 AMP SECONDARY/FEEDER	(4) 350 KCMIL, (1) #1 G	IN EACH OF (2) 3"
D	800 AMP FEEDER	(4) 600KCMIL	IN EACH OF (2) 4"
E	30 AMP FEEDER	(4) #10, (1) #10 G	1"
F	50 AMP FEEDER	(4) #8	1"
G	50 AMP SECONDARY/FEEDER	(4) #8, (1) # 10 G	1"
H	175 AMP PRIMARY/FEEDER UPSIZED FOR VOLTAGE DROP	(3) #4/0, (1) #4 G	2"
I	600 AMP PRIMARY/FEEDER	(3) 500, (1) #3 G	IN EACH OF (2) 3"
J	METERING CONDUIT TO TEL/COM DEMARC IN BUILDING	PULL STRING FOR USE BY UTILITY	1 1/2"
K	SPARE CONDUIT FROM BSMT ELECTRICAL ROOM TO EV CHARGING BUILDING-NOTE 3	PULL STRING	(2) 4"
L	FIBER BACKBONE FROM EV CHARGING DATA CABINET TO TELCOM 007	12 STRAND FIBER BACKBONE WITH 15' OF SLACK AT EACH END	2"
	FEEDER SCHEDULE NOTES:		
	1. WIRING BASED ON COPPER THWN/THHN		
	2. CONDUIT SIZE BASED ON EMT		
	3. STUB UP IN ELECTRICAL ROOM 24" AFF. CONDUIT SHALL RUN FROM ELECTRICAL ROOM UNDERGROUND TO EV CHARGING BUILDING. STUB UP AT 24" AFG AT PANEV CHARGING PANEL LOCATION.		

NOTES:

1. PROVIDE LOAD SHEDDING CONTROL SUCH THAT ATS-S TRANSFERS TO DEAD NORMAL SOURCE UPON FIRE PUMP CONTROLLER RECEIVING A SIGNAL TO START THE FIRE PUMP
2. ESL STORMSWITCH UL1008 LISTED SUSE 3 WAY MANUAL TRANSFER SWITCH WITH PORTABLE GENERATOR CONNECTION DEVICE RATED 200 AMP, 600 V, 3 POLE, 4 WIRE, NEMA 3R.
3. ESL STORMSWITCH UL1008 LISTED SUSE 3 WAY MANUAL TRANSFER SWITCH WITH PORTABLE GENERATOR CONNECTION DEVICE RATED 100 AMP, 600 V, 3 POLE, 4 WIRE, NEMA 3R.
4. 75 KVA TRANSFORMER: 480 PRIMARY-120/208 SECONDARY, 3 PHASE, 4 WIRE
5. 112 1/2 KVA TRANSFORMER: 480 PRIMARY-120/208 SECONDARY, 3 PHASE, 4 WIRE
6. PROVIDE METER IN PANEL FOR OWNER MONITORING. PROVIDE DATA CABLING AND CONNECTION FROM METER TO DATA NETWORK IN TELCOM 007
7. 112 1/2 KVA TRANSFORMER: 480 PRIMARY-120/208 SECONDARY, 3 PHASE, 4 WIRE, NEMA 4X ENCLOSURE
8. PV METER: METER AND ENCLOSURE FURNISHED AND INSTALLED BY SOLAR INSTALLER. DIV 26 SHALL PROVIDE CONDUIT, WIRING, AND CONNECTIONS. DIV 27 SHALL PROVIDE CATEGORY 6 DATA CABLING IN 3/4" CONDUIT AND CONNECTION FROM METER TO IT ROOM. METER TO BE LOCATED IN MAIN ELECTRICAL ROOM.



C1	POWER RISER DIAGRAM
NO SCALE	

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Allied Project No. 12063 | Cad File:

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STATE OF MAINE
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CATHERINE A. FAUCHER
No. 7575
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SIGNATURE
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DATE January 17, 2022

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DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Power Riser Diagram

SHEET NUMBER
EP500

Username: - Division: - Date: - Filename: -

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT - REFER TO FLOOR PLANS FOR PANEL AND CIRCUIT NUMBERS

TAG	DESCRIPTION	VOLTS	PH	LOAD	MCA	MOPD	DISCONNECT SWITCH					STARTER (NEMA)			WIRING IN CONDUIT	NOTES
							FRAME	POLES	FUSE	NEMA...	FBD	SIZE/...	FBD	CBD		
HP-1/HP-2	**HEAT PUMP MULTISTACK MODULE 1**	**480**	**3**	**-**	**121**	**150**			**FWE**			**VFD**	**23**	**23**	**4# 4/0, 1 #4G,2"C**	
HP-3/HP-4	**HEAT PUMP MULTISTACK MODULE 2**	**480**	**3**	**-**	**68**	**90**			**FWE**			**VFD**	**23**	**23**		
AHU-1	**AIR HANDLING UNIT**	**480**	**3**		**51**	**70**					**23**	**VFD**	**23**	**23**	**3#1,1#6G- 1 1/2"C**	4
AHU-2	**AIR HANDLING UNIT**	**480**	**3**		**11**	**15**					**23**	**FWE**	**23**	**23**	**3#12,1#12G- 3/4"C**	
	AHU-1 LIGHTING /RECEPT	**120**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2#12, 1#12G-3/4"C**	**6**
	AHU-2 LIGHTING/RECEPT	**120**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2#12, 1#12G-3/4"C**	**6**
DCU-1	**SPLIT A/C OUTDOOR UNIT**	**208**	**1**	**-**	**13**	**15**	**30**	**2**	**15**	**3R**	**26**	**FWE**	**23**	**23**	**2#12,1#12G- 3/4"C**	**8**
UH-1	**UNIT HEATER**	**120**	**1**	**1/6HP**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**-**	**-**	**23**	**2#12,1#12G- 3/4"C**	
UH-2	**UNIT HEATER**	**120**	**1**	**1/6HP**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**-**	**-**	**23**	**2#12,1#12G- 3/4"C**	
CU-1	**SPLIT A/C OUTDOOR UNIT - EV BUILDING**	**208**	**1**	**-**	**18**	**20**	**30**	**2**	**20**	**3R**	**26**	**FWE**	**23**	**23**	**2#12,1#12G- 3/4"C**	**8**
ERU-1	**ENERGY RECOVERY UNIT**	**120**	**1**	**-**	**3**	**3**			**FWE**			**FWE**	**23**	**23**	**2#12,1#12G- 3/4"C**	
EF-1	**EXHAUST FAN**	**120**	**1**	**1/3HP**	**-**	**-**	**20**	**1**	**NF**	**3R**	**26**	**0**	**26**	**23**	**2#12,1#12G- 3/4"C**	
GF-H	**GLYCOL FEED - HOT/CHILLED**	**120**	**1**	**(1/3HP**							**23**			**23**	**2#12,1#12G- 3/4"C**	**5**
GF-G	**GLYCOL FEED - GEOTHERMAL**	**120**	**1**	**1/3/HP**							**23**			**23**	**2#12,1#12G- 3/4"C**	**5**
P-1	**CHILLED WATER**	**480**	**3**	**7.5HP**	**-**	**-**	**30**	**3**	**15**	**1**	**26**	**23**	**23**	**23**	**3#12,1#12G- 3/4"C**	**1**
P-2	**CHILLED WATER**	**480**	**3**	**7.5HP**	**-**	**-**	**30**	**3**	**15**	**1**	**26**	**23**	**23**	**23**	**3#12,1#12G- 3/4"C**	**1**
P-3	**HEATING WATER**	**480**	**3**	**3HP**	**-**	**-**	**30**	**3**	**15**	**1**	**26**	**23**	**23**	**23**	**3#12,1#12G- 3/4"C**	**1**
P-4	**HEATING WATER**	**480**	**3**	**3HP**	**-**	**-**	**30**	**3**	**15**	**1**	**26**	**23**	**23**	**23**	**3#12,1#12G- 3/4"C**	**1**
P-5	**WELL PUMPS - GEOTHERMAL**	**480**	**3**	**7.5HP**	**-**	**-**	**30**	**3**	**15**	**1**	**26**	**22**	**22**	**23**	**3#12,1#12G- 3/4"C**	**1**
P-6	**WELL PUMPS - GEOTHERMAL**	**480**	**3**	**7.5HP**	**-**	**-**	**30**	**3**	**15**	**1**	**26**	**22**	**22**	**23**	**3#12,1#12G- 3/4"C**	**1**
P-7	**RADIANT ZONE #1 (RFM-1)**	**120**	**1**	**87W**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**23**	**23**	**23**	**2#12,1#12G- 3/4"C**	
P-8	**RADIANT ZONE 2 (RFM-2)**	**120**	**1**	**87W**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**23**	**23**	**23**	**2#12,1#12G- 3/4"C**	
P-9	**RADIANT ZONE #3 (RFM-3)**	**120**	**1**	**87W**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**23**	**23**	**23**	**2#12,1#12G- 3/4"C**	
P-10	**RADIANT ZONE #4A (RFM 4A)**	**120**	**1**	**197W**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**23**	**23**	**23**	**2#12,1#12G- 3/4"C**	
P-11	**RADIANT ZONE #4B (RFM 4B)**	**120**	**1**	**197W**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**23**	**23**	**23**	**2#12,1#12G- 3/4"C**	
DP-1	**DHW RECIRC PUMP**	**120**	**1**	**1/8HP**	**-**	**-**	**20**	**1**	**NF**	**1**	**26**	**0**	**26**	**23**	**2#12,1#12G- 3/4"C**	
WH-1	**DHW HEATER**	**480**	**3**	**9kW**	**10.8**	**20**	**30**	**3**	**20**	**1**	**26**	**23**	**23**	**23**	**3#12,1#12G- 3/4"C**	
FC-1	**FAN COIL UNIT**	**120**	**1**	**1/3HP**	**3.8**	**-**	**MRT**	**1**	**-**	**1**	**26**	**-**	**-**	**23**	**2#12,1#12G- 3/4"C**	
SP-1	**SUMP PUMP**	**120**	**1**	**0.4 HP**	**9.8**	**20**					**23**			**23**	**2#12,1#12G- 3/4"C**	**5**
	DUPLEX SEWAGE PUMPS	**480**	**3**	**(2) 1HP**	**-**	**-**					**22**	**FWE**	**22**	**23**	**3#12,1#12G- 3/4"C**	**7**
	FIRE JOCKEY PUMP	**480**	**3**	**1HP**	**-**		**30**	**3**	**15**	**1**	**26**	**FWE**	**21**	**21**	**3#12,1#12G- 3/4"C**	**10**
	WELL PUMP - DOMESTIC WATER	**208**	**3**	**5HP**	**18**	**30**	**30**	**3**	**30**	**3R**	**26**	**FWE**	**22**	**23**	**3#8,1#10G- 3/4"C**	
BP-1	**DOMESTIC WATER BOOSTER PUMPS**	**480**	**3**	**(3) 7 .5 HP**	**-**	**-**	**60**	**3**	**40**	**1**	**26**	**FWE**	**22**	**23**	**3#8,1#8G- 1"C**	**2**
TP	**TRAP PRIMER**	**120**	**1**		**1**	**20**					**23**			**23**	**2#12,1#12G- 3/4"C**	**5**
TMV	**DIGITAL MIXING VAVLE**	**120**	**1**	**1180**	**10**	**20**										

	NOTES		
1	LEAD/LAG	FWE	FURNISHED WITH EQUIPMENT
2	BOOSTER PUMPS RUN IN PARALLEL	NF	NOT FUSED
3	PROVIDE AND LOCATE COMPONENTS AS REQUIRED BY NEC ARTICLE 680.	SWBD	SWITCHBOARD
4	SMOKE DETECTOR FBD 26, INSTALLED BY DIV 23, WIRED TO FA BY DIV 26	FBD	FURNISHED BY DIVISION
5	PLUG- IN RECEPTACLE	CBD	CONTROL WIRING BY DIVISION
6	WIRE AND CONNECT FACTORY INSTALLED RECEPTACLES, LIGHTING AND LIGHT SWITCH.	MRT	MOTOR RATED TOGGLE SWITCH
7	INDICATED BRANCH CIRCUIT WIRING IS TYPICAL FROM PANEL TO CONTROLLER AND CONTROLLER TO PUMP FOR EACH MOTOR		
8	INDICATED WIRING IS FOR OUTDOOR CONDENSING UNIT WIRED BY DIV 26. WIRING AND CONNECTION FROM OUTDOOR UNIT TO...		
9	NOT USED		
10	WIRE PUMP VIA CONTROLLER		

ABBREVIATIONS:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE * CATHERINE A. FAUCHER No. 7575 * REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Electrical Schedules

SHEET NUMBER
EP600

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
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AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Allied Project No: 12069 | Cad File:

A1 | SCHEDULES

Username: -
Division: -
Date: -
Filename: -

Lighting and Appliance Panelboard: MDPH

Location:
Supply From:
Mounting: Surface

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 50kAIC
Mains Type: MCB
Bus Rating: 800 A
MCB Rating: 800 A

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1				22.2	0.9								2
3	T-MDP/PANEL MDP	225	3			20	1.6			3	50	ATS-E/PANEL PE	4
5								21.7	0.5				6
7				2.8	49.9								8
9	PH PANEL	125	3			4	51			3	225	ATS-S/PANEL PS	10
11								4.9	48.5				12
13				0	33.5								14
15	SOLAR PV METER AND ENCLOSURE	100	3			0	33.5			3	150	HVAC - HP1 THRU HP4	16
17								0	33.5				18
19				18.8	--								20
21	HVAC - HP3/HP4	90	3			18.8	--			3	--	Space	22
23								18.8	--				24
25				--	--								26
27	Space	--	3			--	--			3	--	Space	28
29								--	--				30
		Total Load:		128.2 kVA		129.0 kVA		128.0 kVA					
		Total Amp:		463 A		466 A		462 A					

Notes:

Lighting and Appliance Panelboard: PSH

Location:
Supply From: ATS-S
Mounting: Surface

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 50kAIC
Mains Type: MLO
Bus Rating: 225 A
MCB Rating:

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1				3	0								2
3	CHILLED WATER PUMP P1(LEAD/LAG)	15	3			3	0			3	15	CHILLED WATER PUMP P2(LEAD/LAG)	4
5								3	0				6
7	HEATING WATER PUMP P-3(LEAD/LAG)	15	3	1.4	0					3	15	HEATING WATER PUMP P-4(LEAD/LAG)	8
9						1.4	0						10
11								1.4	0				12
13				3	0								14
15	WELL PUMP P-5(LEAD/LAG)	15	3			3	0			3	15	WELL PUMP P-6(LEAD/LAG)	16
17								3	0				18
19				3	14.1								20
21	HVAC - AHU-2	15	3			3	14.1			3	70	HVAC - AHU-1	22
23								3	14.1				24
25				3	8.3								26
27	HVAC - WH-1	20	3			3	8.3			3	40	BP-1 - WATER BOOSTER PUMP	28
29								3	8.3				30
31				0.6	0.6								32
33	DUPLEX SEWAGE PUMPS	15	3			0.6	0.6			3	15	FIRE JOCKEY PUMP	34
35								0.6	0.6				36
37				--	12.7								38
39	Space	--	3			--	13.9			3	125	T-PS/PANEL PS	40
41								--	11.3				42
		Total Load:		49.9 kVA		51.0 kVA		48.5 kVA					
		Total Amp:		181 A		185 A		175 A					

Notes:

Lighting and Appliance Panelboard: PH

Location:
Supply From: MDPH
Mounting: Surface

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 30kAIC
Mains Type: MLO
Bus Rating: 100 A
MCB Rating:

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	Stair Lighting via LCP	20	1	0.6	0.3					1	20	LTG- BASEMENT	2
3	LTG- 1ST FLOOR & EXTERIOR	20	1			2.1	1.8			1	20	LTG- 1ST FLOOR OPEN AREA	4
5	LTG- ROOF PEAK NORTH UPLIGHTS	20	1					2.1	2.1	1	20	LTG- ROOF PEAK SOUTH UPLIGHTS	6
7	LTG- 2ND FLOOR & OPEN AREA	20	1	1.2	0					1	20	Spare	8
9	LTG- CONTROL PANEL LCP1	20	1			0	0			1	20	Spare	10
11	LTG - BUS SHELTER	20	1					0.7	0	1	20	Spare	12
13	LTG - KIOSK	20	1	0.7	0					1	20	Spare	14
15	Spare	20	1			0	0			1	20	Spare	16
17	Spare	20	1					0	0	1	20	Spare	18
19	Spare	20	1	0	0					1	20	Spare	20
21	Spare	20	1			0	0			1	20	Spare	22
23	Spare	20	1					0	0	1	20	Spare	24
25	Spare	20	1	0	0					1	20	Spare	26
27	Spare	20	1			0	0			1	20	Spare	28
29	Spare	20	1					0	0	1	20	Spare	30
		Total Load:		2.8 kVA		4.0 kVA		4.9 kVA					
		Total Amp:		10 A		15 A		18 A					

Notes:

Lighting and Appliance Panelboard: PE

Location:
Supply From: ATS-E
Mounting: Surface

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42kAIC
Mains Type: MLO
Bus Rating: 100 A
MCB Rating:

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	Stair Lighting via LCP	20	1	0.6	0.3					1	20	EM LTG- BASEMENT	2
3	EM LTG- 1ST FLOOR	20	1			0.8	0.8			1	20	EM LTG- 2ND FLOOR	4
5	EM LTG - BUS SHELTER	20	1					0.3	0.3	1	20	EM LTG - KIOSK	6
7	Spare	20	1	0	0					1	20	Spare	8
9	Spare	20	1			0	0			1	20	Spare	10
11	Spare	20	1					0	0	1	20	Spare	12
13	Spare	20	1	0	0					1	20	Spare	14
15	Spare	20	1			0	0			1	20	Spare	16
17	Spare	20	1					0	0	1	20	Spare	18
19	Spare	20	1	0	0					1	20	Spare	20
		Total Load:		0.9 kVA		1.6 kVA		0.5 kVA					
		Total Amp:		3 A		6 A		2 A					

Notes:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
CATHERINE A FAUCHER
No. 7575
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Electrical Schedules

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SHEET NUMBER
EP601

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Allied Project No: 12069 | Cad File:

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Username: -
Division: -
Date: -
Filename: -

Lighting and Appliance Panelboard: MDP

Location:
Supply From: T-MDP
Mounting: Surface

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42kAIC
Mains Type: MCB
Bus Rating: 400 A
MCB Rating: 400 A

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1				11.5	10.8								2
3	P1 PANEL	225	3			9.7	10.3			3	225	P1A PANEL	4
5								9.6	12.1				6
7				0	--								8
9	Spare	225	3			0	--			3	--	Space	10
11								0	--				12
13				--	--								14
15	Space	--	3			--	--			3	--	Space	16
17								--	--				18
19				0	--								20
21	Spare	100	3			0	--			3	--	Space	22
23								0	--				24
25				0	0								26
27	Spare	100	3			0	0			3	225	Spare	28
29								0	0				30
		Total Load:		22.2 kVA		20.0 kVA		21.7 kVA					
		Total Amp:		187 A		167 A		183 A					

Notes:

Lighting and Appliance Panelboard: P1A

Location:
Supply From: MDP
Mounting: Surface

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42kAIC
Mains Type: MLO
Bus Rating: 225 A
MCB Rating:

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	VENDING MACHINE 123	20	1	0.8	0					1	20	Spare	2
3	VENDING MACHINE 123	20	1			0.8	0.2			1	20	FLAG POLE & SIGN LIGHTS	4
5	VENDING MACHINE 123	20	1					0.8	1.8	2	20	PARKING LOT POLES LIGHTS	6
7	VENDING MACHINE 123	20	1	0.8	1.8								8
9	Receptacles - Exterior	20	1			0.9	1.2			2	20	PARKING LOT POLES LIGHTS	10
11	Receptacles - 106	20	1					0.9	1.2				12
13	Floor Receptacles	20	1	1.4	0.4					1	20	Receptacles - 114,126, 113	14
15	Receptacles - Breakroom 115	20	1			0.4	1.2			1	20	Receptacles - Breakroom 115	16
17	Receptacles - Breakroom 115	20	1					1.2	1.2	1	20	Receptacles - Breakroom 115	18
19	Receptacle - Fees Office 119	20	1	0.7	0.7					1	20	Receptacles - En Sales Office 118	20
21	Receptacle - En Sales Storage 120	20	1			0.7	0.9			1	20	Receptacles	22
23	Receptacles - Monitors	20	1					0.2	0.9	1	20	Receptacles - 113	24
25	Receptacle	20	1	0.4	0.5					1	20	Receptacle	26
27	Receptacles	20	1			0.5	0.9			1	20	Receptacle	28
29	Receptacles	20	1					0.9	0.7	1	20	Receptacles - Office 109	30
31	Receptacle	20	1	1.1	0.4					1	20	Receptacle	32
33	Receptacle	20	1			0.7	0.5			1	20	Receptacle	34
35	Receptacle	20	1					0.9	0	1	20	Spare	36
37	Receptacles - Floor Boxes	20	1	1.8	0					1	20	Spare	38
39	Receptacles - Floor Boxes	20	1			1.4	0			1	20	Spare	40
41	Receptacles - Floor Boxes	20	1					1.4	0	1	20	Spare	42
43	Spare	20	1	0	0					1	20	Spare	44
45	Spare	20	1			0	0			1	20	Spare	46
47	Spare	20	1					0	0	1	20	Spare	48
49	Spare	20	1	0	0					1	20	Spare	50
51	Spare	20	1			0	0			1	20	Spare	52
53	Spare	20	1					0	0	1	20	Spare	54
		Total Load:		10.8 kVA		10.3 kVA		12.1 kVA					
		Total Amp:		90 A		86 A		101 A					

Notes:

Lighting and Appliance Panelboard: P1

Location:
Supply From: MDP
Mounting: Surface

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42kAIC
Mains Type: MLO
Bus Rating: 225 A
MCB Rating:

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	HAND DRYER 104	20	2	1.1	1.1					2	20	HAND DRYER 101	2
3						1.1	1.1						4
5	HAND DRYER 101	20	2					1.1	1.1	2	20	HAND DRYER 102	6
7				1.1	1.1								8
9	HAND DRYER 102	20	2			1.1	0.5			1	20	Receptacle - Water Cooler 105, 124	10
11								1.1	0.4	1	20	Receptacle 124	12
13	Receptacles - Lobby/Vest 105	20	1	0.4	0.5					1	20	Receptacle - Paper Towel Disp 101	14
15	Receptacle - 101, 104	20	1			0.5	0.5			1	20	Receptacle - Nursing, Mens 102	16
17	Receptacle -Mens 101 Paper Towel Disp	20	1					0.5	1	1	20	Power - Bus Shelter & Bottle Filler Station	18
19	LTG- 1ST FLOOR OPEN AREA...	20	1	0.3	1.1					1	20	Receptacles -001,008	20
21	Receptacles - 002,006	20	1			1.1	0.5			1	20	HVAC - IRRIGATION CONTROLLER	22
23	Receptacles - floor 111	20	1					1.4	0.7	1	20	Receptacles - floor 111	24
25	Receptacles - Counter	20	1	1.1	0.7					1	20	Receptacles - 111	26
27	Receptacles - 111	20	1			0.9	1.3			1	20	Receptacles - Second Floor	28
29	Receptacle - Mech 214	20	1					0.9	0.9	1	20	Receptacle - 004	30
31	Receptacles - 121, 122	20	1	0.9	0.9					1	20	Receptacles - Exterior	32
33	HVAC - EF-1 FAN	15	1			0.9	0.2			1	20	Receptacle - UV CIRC PUMP	34
35	HVAC - TRAP PRIMERS	20	1					0.2	0.2	1	20	Receptacle - UV LIGHT	36
37	DISHWASHER	20	1	1.2	0					1	20	Spare	38
39	Spare	20	1			0	0			1	20	Spare	40
41	Spare	20	1					0	0	1	20	Spare	42
43	Spare	20	1	0	0					1	20	Spare	44
45	Spare	20	1			0	0			1	20	Spare	46
47	Spare	20	1					0	0	1	20	Spare	48
49	Spare	20	1	0	0					1	20	Spare	50
51	Spare	20	1			0	0			1	20	Spare	52
53	Spare	20	1					0	0	1	20	Spare	54
		Total Load:		11.5 kVA		9.7 kVA		9.6 kVA					
		Total Amp:		96 A		81 A		80 A					

Notes:

Lighting and Appliance Panelboard: PS

Location:
Supply From: T-PS
Mounting: Surface

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 20kAIC
Mains Type: MCB
Bus Rating: 225 A
MCB Rating: 225 A

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	Power Doors 114 & 115	20	1	1	0.5					1	20	Receptacle TELECOM ROOM 007	2
3	Receptacle - TELECOM ROOM 107	20	1			1.4	1.9			1	20	Receptacle - TELECOM ROOM 107	4
5	HVAC CONTROLS POWER	20	1					1	0.5	1	20	HVAC - AHU-2 LIGHTING/RECEPTS	6
7	Receptacles - 001,002,008	20	1	0.5	0.7					1	20	Receptacles - 003,004,009	8
9	Receptacles - Second Floor	20	1			0.5	0.7			1	20	HVAC -RADIANT P-7,8,9,10,11	10
11	HVAC - P-DP-1	20	1					0.5	1.2	1	20	HVAC - SP-1	12
13	HVAC - ERU-1	15	1	0.5	1.1					1	20	HVAC - UH-1/UH-2	14
15	Receptacles - 118,119,121	20	1			0.5	0.5			1	20	Receptacle - 109 Office	16
17	HVAC CONTROLS	20	1					0.5	0.5	1	15	HVAC - FC-1	18
19	Fire Alarm Control Panel	20	1	0.5	1					1	20	Power - OVERHEAD COILING DOOR	20
21	Receptacle - 007	20	1			1.4	0.4			1	20	Security Alarm Panel	22
23	GENERATOR JACKET WATER HEATER	20	2					0.8	0.4	1	20	GENERATOR BATTERY CHARGER	24
25				0.8	1.4					2	15	HVAC - DCU-1	26
27	HVAC - GF-H	15	1			0.9	1.4						28
29	HVAC - GF-G	15	1					0.9	0.5	1	20	DOMESTIC WATER LEVEL...	30
31	HVAC CONTROLS POWER	20	1	0.5	1.2					1	20	HVAC - TMV - MIXING VAVLE	32
33	Power DOOR OPERATOR	20	1			0.5	0.5			1	20	HVAC - CONTROLS POWER	34
35	Power DOOR OPERATOR	20	1					0.5	0.5	1	20	HVAC - AHU-1 LIGHTING/RECEPTS	36
37	GEOTHERMAL VAULT POWER	20	1	0.4	0.5					1	20	SPRINKLER TANK LEVEL	38
39						2.2	1			1	20	Power Doors 121A & 121B	40
41	WELL PUMP - DOMESTIC WATER	30	3					2.2	1.5	1	20	Power Door 125A, 125B & 125C	42
43				2.2	0					1	20	Door Controller Power	44
45	Spare	20	1			0	0			1	20	Spare	46
47	Spare	20	1					0	0	1	20	Spare	48
49	Spare	20	1	0	0					1	20	Spare	50
51	Spare	20	1			0	0			1	20	Spare	52
53	Spare	20	1					0	0	1	20	Spare	54
		Total Load:		12.7 kVA		13.9 kVA		11.3 kVA					
		Total Amp:		108 A		118 A		95 A					

Notes:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
CATHERINE A. FAUCHER
No. 7575
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Electrical Schedules

SHEET NUMBER
EP602

Allied Engineering
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Web:www.allied-eng.com

Allied Project No: 12069 | Cad File: ?

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BOSTON, MA 02110
617.723.1700
www.aecom.com

Username: – Division: – Date: – Filename: –

Lighting and Appliance Panelboard: HPCH

Location:
Supply From:
Mounting: Surface

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42kAIC
Mains Type: MCB
Bus Rating: 600 A
MCB Rating: 600 A

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1				22	--								2
3	LEVEL 3 CHARGER	100	3			22	--			3	--	Space	4
5								22	--				6
7				22	--								8
9	LEVEL 3 CHARGER	100	3			22	--			3	--	Space	10
11								22	--				12
13				22	--								14
15	LEVEL 3 CHARGER	100	3			22	--			3	--	Space	16
17								22	--				18
19				22	--								20
21	LEVEL 3 CHARGER	100	3			22	--			3	--	Space	22
23								22	--				24
25				33.6	--								26
27	T-PCH / PANEL PCH	225	3			29.3	--			3	--	Space	28
29								24.5	--				30
	Total Load:			121.6 kVA		117.3 kVA		112.5 kVA					
	Total Amp:			442 A		426 A		406 A					

Notes:
NEMA 3R

Lighting and Appliance Panelboard: HPCH1

Location:
Supply From:
Mounting: Surface

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42kAIC
Mains Type: MCB
Bus Rating: 600 A
MCB Rating: 600 A

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1				22	0					1	20	Lighting - EV CHARGE BLDG	2
3	LEVEL 3 CHARGER	100	3			22	0			1	20	Spare	4
5								22	0	1	20	Spare	6
7				22	--								8
9	LEVEL 3 CHARGER	100	3			22	--			3	--	Space	10
11								22	--				12
13				22	--								14
15	LEVEL 3 CHARGER	100	3			22	--			3	--	Space	16
17								22	--				18
19				22	--								20
21	LEVEL 3 CHARGER	100	3			22	--			3	--	Space	22
23								22	--				24
25				--	--								26
27	Space	--	3			--	--			3	--	Space	28
29								--	--				30
	Total Load:			88.0 kVA		88.0 kVA		88.0 kVA					
	Total Amp:			318 A		318 A		318 A					

Notes:
NEMA 3R

Lighting and Appliance Panelboard: PCH

Location:
Supply From: T-PCH
Mounting: Surface

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 30kAIC
Mains Type: MCB
Bus Rating: 400 A
MCB Rating: 400 A

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	LEVEL 2 CHARGER	50	2	4.8	4.8					2	50	LEVEL 2 CHARGER	2
3						4.8	4.8						4
5	LEVEL 2 CHARGER	50	2					4.8	4.8	2	50	LEVEL 2 CHARGER	6
7				4.8	4.8								8
9	LEVEL 2 CHARGER	50	2			4.8	0.4			1	20	RECEPTS AT EV CHARGER BUILDING	10
11								4.8	0	2	20	HVAC - CU-1 EV BUILDING	12
13	LEVEL 2 CHARGER	50	2	4.8	0								14
15						4.8	0.1			2	20	Lighting - Exterior EV Building	16
17	LEVEL 2 CHARGER	50	2					4.8	0.1				18
19				4.8	0					1	20	Spare	20
21	LEVEL 2 CHARGER	50	2			4.8	0			1	20	Spare	22
23								4.8	0	1	20	Spare	24
25	LEVEL 2 CHARGER	50	2	4.8	0					1	20	Spare	26
27						4.8	0			1	20	Spare	28
29	Receptacle - DATA RACK	20	1					0.4	0	1	20	Spare	30
	Total Load:			33.6 kVA		29.3 kVA		24.5 kVA					
	Total Amp:			286 A		250 A		204 A					

Notes:
NEMA 3R

BRANCH CIRCUITS SCHEDULE	
CIRCUIT BREAKER	CONDUCTOR
120 OR 277 VOLT, 1 PH., 2W CIRCUITS	
15A-1P, 20A-1P	2#12 & 1#12 GND - 3/4" C.
30A-1P	2#10 & 1#10 GND - 3/4" C.
40A-1P	2#8 & 1#10 GND - 3/4" C.
50A-1P	2#6 & 1#10 GND - 3/4" C.
60A-1P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 1PH., 2W CIRCUITS	
15A-2P, 20A-2P	2#12 & 1#12 GND - 3/4" C.
30A-2P	2#10 & 1#10 GND - 3/4" C.
40A-2P	2#8 & 1#10 GND - 3/4" C.
50A-2P	2#6 & 1#10 GND - 3/4" C.
60A-2P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 3PH., 3W CIRCUITS	
15A-3P, 20A-3P	3#12 & 1#12 GND - 3/4" C.
30A-3P	3#10 & 1#10 GND - 3/4" C.
40A-3P	3#8 & 1#10 GND - 3/4" C.
50A-3P	3#6 & 1#10 GND - 3/4" C.
60A-3P	3#6 & 1#10 GND - 3/4" C.
BRANCH CIRCUIT SCHEDULE NOTES:	
1. TYPE MC CABLE SHALL INCLUDE FULL SIZE INSULATED GROUND CONDUCTOR. SIZES AS INDICATED IN SCHEDULE.	
2. WIRING BASED ON MAXIMUM FEEDER LENGTH OF 150 FEET FOR 120 VOLT CIRCUITS AND 300 FEET FOR 277 VOLT CIRCUITS.	
3. UPGRADE WIRE AND CONDUIT SIZE AS REQUIRED TO ADDRESS VOLTAGE DROP.	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
CATHERINE A. FAUCHER
No. 7575
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Electrical Schedules

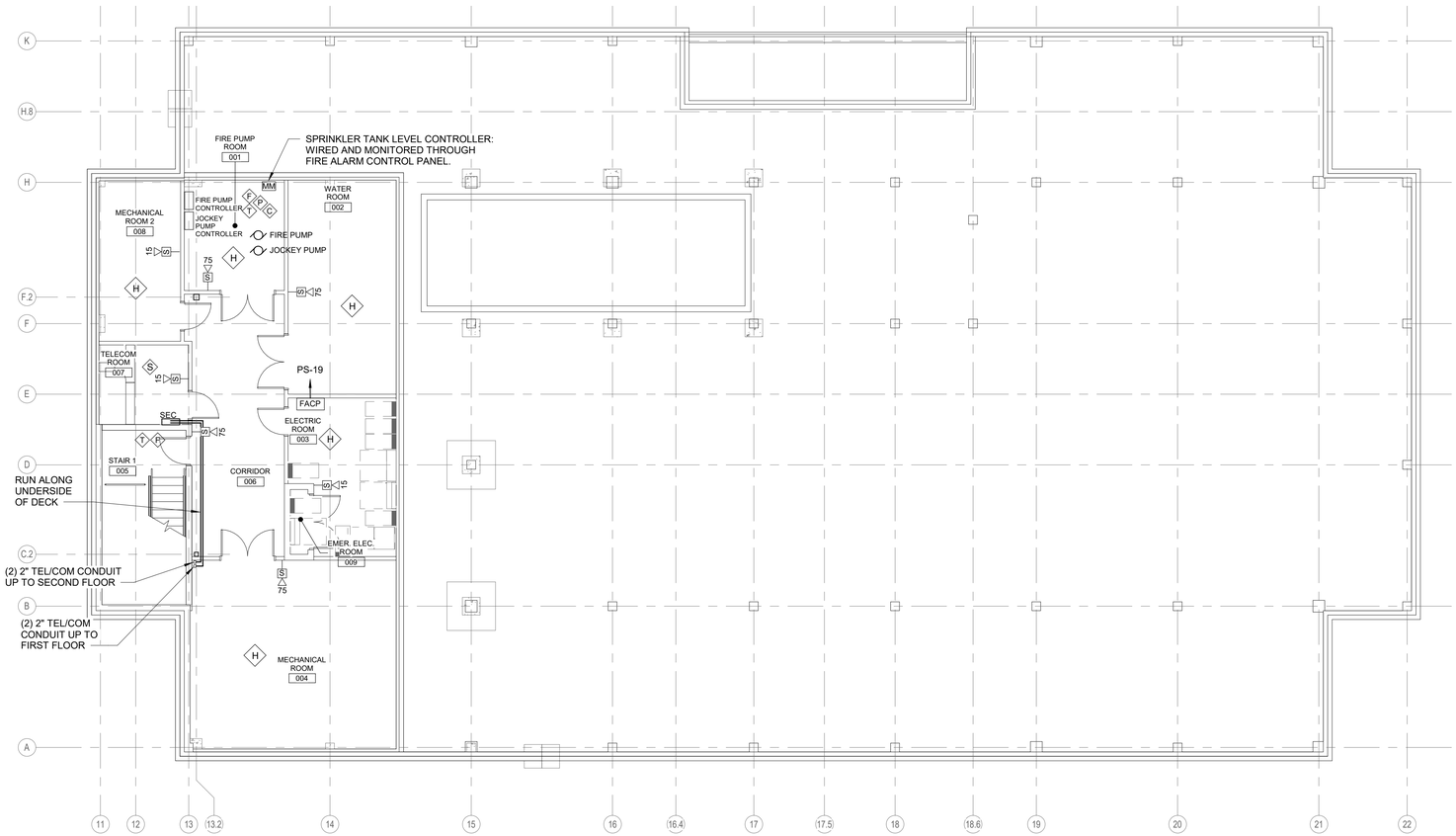
SHEET NUMBER
EP603

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
F: 207.221.2266
Web:www.allied-eng.com

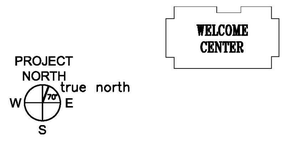
Allied Project No: 12063 | Cad File:

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

Username: -
Division: -
Date: -
Filename: -



PROJECT KEY PLAN



A1	SYSTEMS PLAN - BASEMENT - VISITOR CENTER
1/8" = 1'-0"	

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
Portland, Maine 04103
P: 207.221.2260
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Web:www.allied-eng.com

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BOSTON, MA 02110
617.723.1700
www.aecom.com

Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
FED PIN NO: NA	
WIN NO: 017163.02 & 017163.03	

STATE OF MAINE CATHERINE A. FAUCHER No. 7575 LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

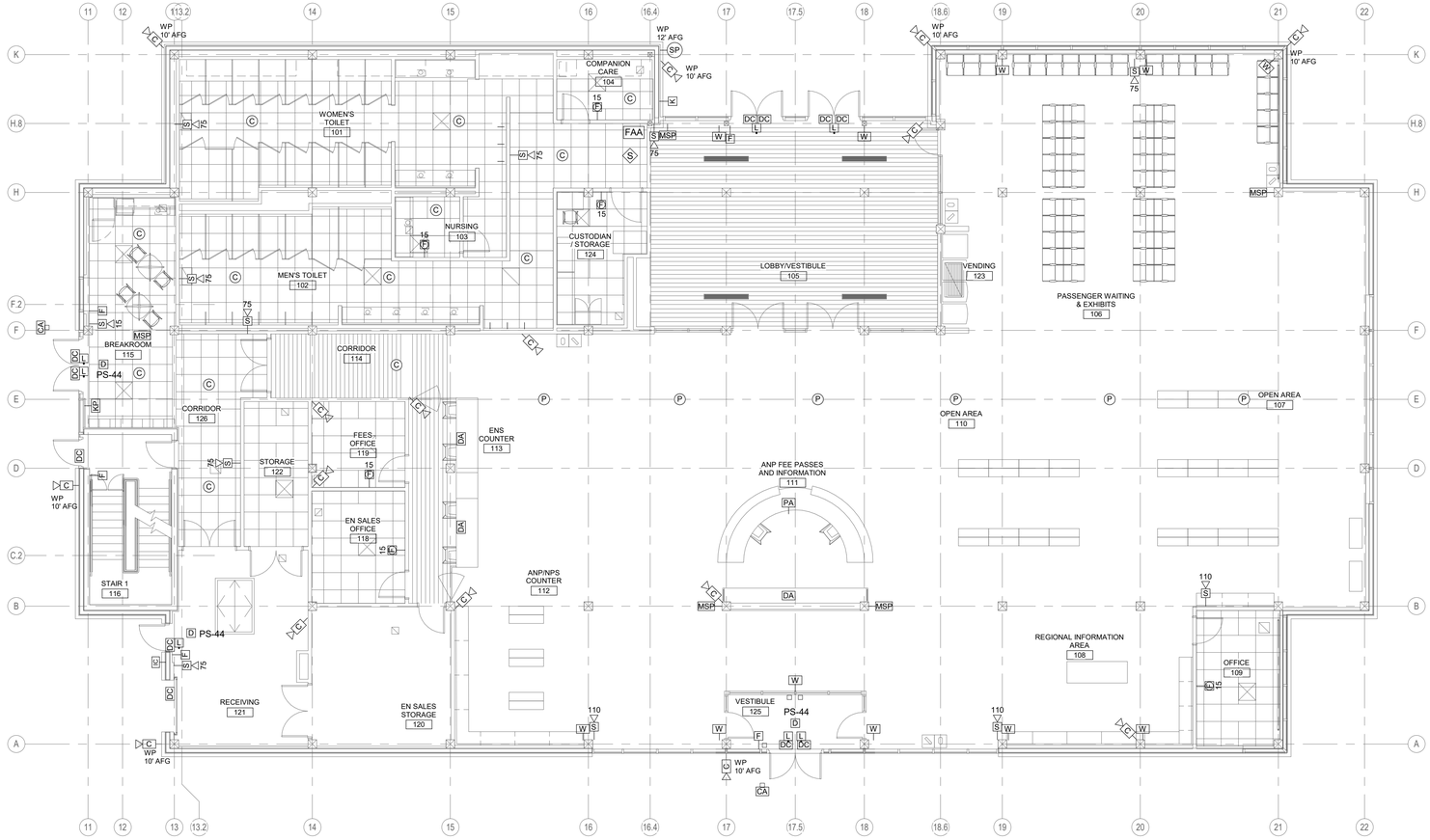
PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

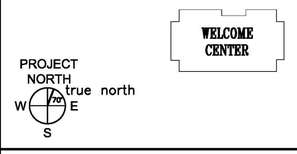
Basement – Systems Plan

SHEET NUMBER
EY100

Username: -
Division: -
Date: -
Filename: -



PROJECT KEY PLAN



A1	SYSTEMS PLAN - FIRST FLOOR - VISITOR CENTER
1/8" = 1'-0"	

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
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www.aecom.com

Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE CATHERINE A FAUCHER No. 7575 LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

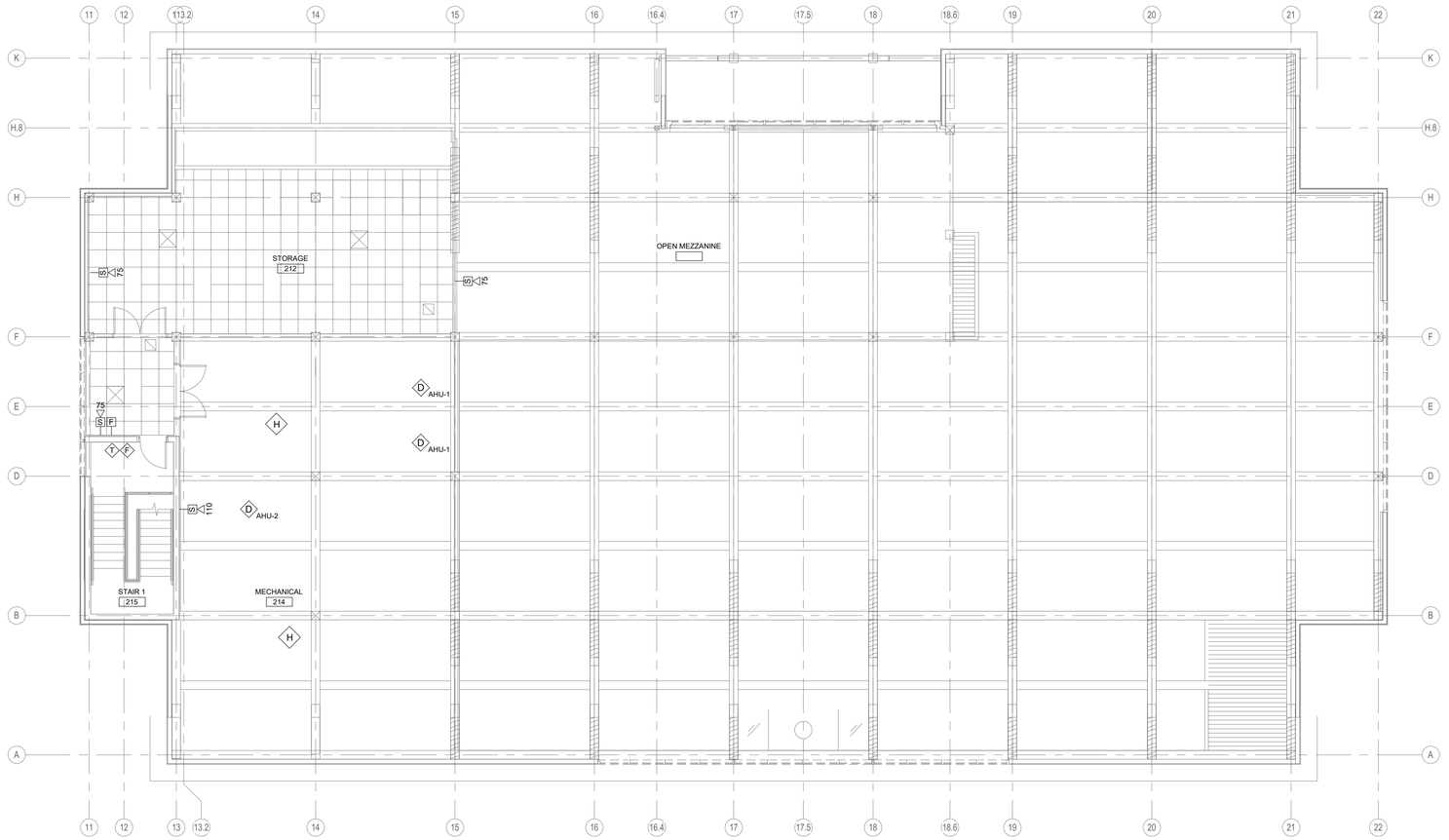
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

First Floor Visitors Center – Systems Plan

SHEET NUMBER
EY101

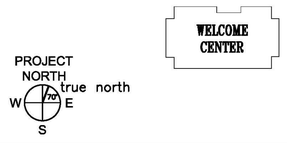
Username: – Division: – Date: – Filename: –

Username: --
Division: --
Date: --
Filename: --



A1	SYSTEMS PLAN - SECOND FLOOR - VISITOR CENTER
1/8" = 1'-0"	

PROJECT KEY PLAN



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www.aecom.com

Allied Project No: 12069 | Cad File:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
CATHERINE A. FAUCHER
No. 7575
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

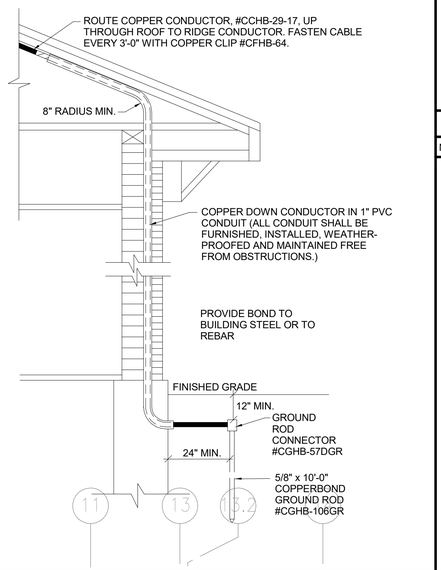
DATE January 17, 2022

PROJECT INFORMATION	
PROGRAM	
PROJECT MANAGER	
DESIGNER	AECOM
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

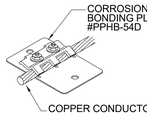
Second Floor Visitors Center
– Systems Plan

SHEET NUMBER
EY102



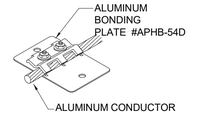
E1 | LIGHTNING PROTECTION GROUNDING

NO SCALE



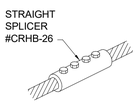
G3 | BONDING PLATE

NO SCALE | COPPER CONDUCTOR



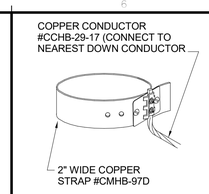
G4 | BONDING PLATE

NO SCALE | COPPER CONDUCTOR



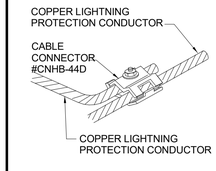
G5 | STRAIGHT SPLICER

NO SCALE



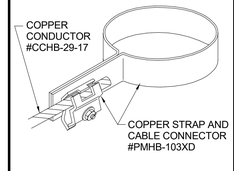
G6 | WATERLINE BONDING

NO SCALE | COPPER CONDUCTOR



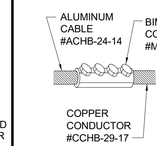
G7 | CABLE CONNECTOR

NO SCALE



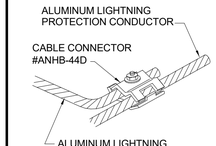
G8 | PIPE CLAMP

NO SCALE | ANTENNAS, ETC.



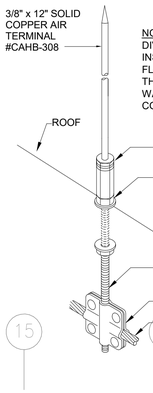
G9 | BIMETAL CONNECTOR

NO SCALE



G10 | CABLE CONNECTOR

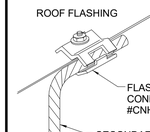
NO SCALE



NOTE:
DIVISION 7 SHALL FURNISH AND INSTALL ALL PROPER ROOF FLASHINGS AS REQUIRED BY THE ROOF MANUFACTURER'S WARRANTY. DIVISION 26 MUST COORDINATE.

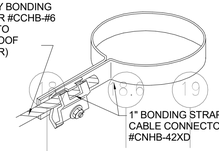
E3 | CONCEALED AIR TERM BASE

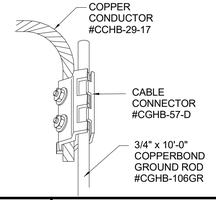
NO SCALE



NOTE:
PROVIDE BONDING CONNECTION TO METAL FLASHING AT EACH DOWNLEAD LOCATION.

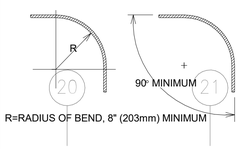
F4 | FLASHING CONNECTOR





F6 | GND ROD CONNECTR

NO SCALE



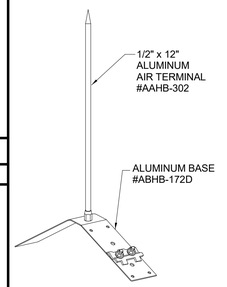
NOTE:

- LP CONDUCTOR SHALL REMAIN IN A HORIZONTAL OR DOWN- WARD PATH AVOIDING "U" & "V" POCKETS (DOWN & UP).

- NO BEND OF A CONDUCTOR SHALL FORM AN INCLUDED ANGLE OF LESS THAN 90° OR HAVE A RADIUS OF BEND LESS THAN 8".

E6 | BEND RADIUS DETAIL

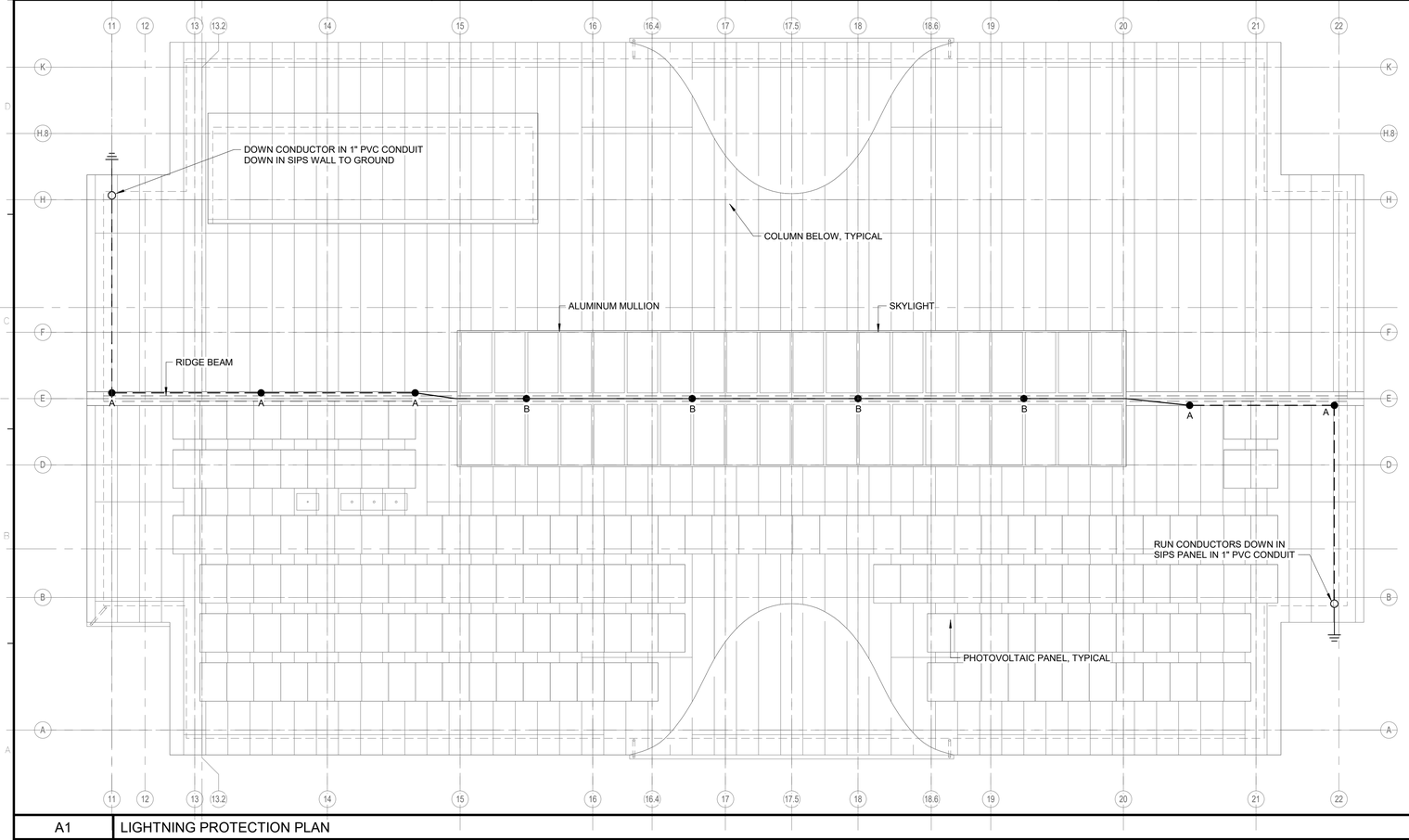
NO SCALE



E8 | RIDGE BASE AIR TERM

NO SCALE

SYMBOL	DESCRIPTION/NOTES
— — —	29 STRANDS OF 17 GAUGE COPPER CONDUCTOR (CONCEALED WITHIN BLDG. CONSTRUCTION) #CCHB-29-17
○ A	3/8" x 12" SOLID COPPER AIR TERMINAL WITH PARAPET BASE #CAHB-308, 32D
○ B	1/2" x 12" SOLID ALUMINUM AIR TERMINAL WITH RIDGE BASE #AAHB-3O2, 172D
⏚	5/8"x10'-0" COPPERWELD GROUND ROD AND GROUND ROD CONNECTOR, #CGHB-106GR, #HB-57
	7 STRANDS 14 GAUGE COPPER CONDUCTOR (SECONDARY CABLE) #CCHB-6
	29 STRANDS OF 17 GAUGE COPPER CONDUCTOR (EXPOSED ON ROOF) #CCHB-29-17
	24 STRANDS OF 18 GAUGE ALUMINUM CONDUCTOR (AT SKYLIGHTS) #ACHB-24-14
	3/8" x 48" SOLID COPPER MID ROOF AIR TERMINAL WITH ADHESIVE BASE AND BRACE #CAHB-312, 23D, GSHB21AB-36
	3/8" x 12" SOLID COPPER AIR TERMINAL WITH CONCEALED BASE #CAHB-308, 8
	ALL ADHESIVE SHALL BE PROVIDED BY THE ROOFING CONTRACTOR.
	DOWN CONDUCTOR SHALL RUN IN 1" PVC CONDUIT WITHIN BUILDING CONSTRUCTION FROM ROOF TO GROUND ROD.
	ALL PVC CONDUIT AND CONDUIT SLEEVES FURNISHED, INSTALLED, WEATHERPROOFED AND MAINTAINED FREE FROM OBSTRUCTIONS BY DIVISION 26. ALL PVC CONDUIT AND SLEEVE INSTALLATION SHALL BE COORDINATED BETWEEN DIVISION 26 AND THE ROOFING CONTRACTOR. ALL PITCH PANS OR PROPER ROOF MEMBRANE FLASHING FURNISHED, INSTALLED AND WEATHERPROOFED BY THE ROOFING CONTRACTOR.
	*METAL FLASHING CONNECTION #CNHB-44D *METAL VENT PIPE CONNECTION #ANHB-42XD *METAL ROOF DRAIN CONNECTION #CNHB-160D SECONDARY BONDING IS REQUIRED WHEN METAL BODIES OF INDUCTANCE ARE LOCATED WITHIN 6FT. OF THE LIGHTNING PROTECTION SYSTEM OR OTHER GROUNDED BODIES.
	ALUMINUM CABLE CONNECTION #ANHB-44D
	COPPER CABLE CONNECTION #CNHB-44D
	HEAVY DUTY STRAIGHT SPLICER #CRHB-26
	CORROSION RESISTANT COPPER PERFECTION PIPE CLAMP (ANTENNAS, RAILINGS, ETC.) #PMHB-103XD
	CORROSION RESISTANT BONDING PLATE (AT DOWNLEAD LOCATIONS) #PPHB-54D
	ALUMINUM BONDING PLATE (AT SKYLIGHTS) #APHB-54D
	BIMETAL CONNECTION #MNHB-93
	FASTENERS (FASTEN CABLE EVERY 3'-0" (80mm) O.C. MAX.) #AFHB-72 , #AFHB-64A/80SS, #CFHB-64C/80SS, 72
	WATERLINE CONNECTION (FIRE AND DOMESTIC WATER) #CMHB-97D
	SURGE ARRESTORS AND SURGE SUPPRESSORS/TRANSIENT SUPPRESSORS SHALL BE PROVIDED BY DIVISION 26



A1 | LIGHTNING PROTECTION PLAN

1/8" = 1'-0"

GENERAL NOTES:

1. BASIS OF DESIGN MANUFACTURER IS HEARY BROS. LIGHTNING PROTECTION CO., INC

2. THE LIGHTNING PROTECTION SYSTEM AS SHOWN ON DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH UL-96 AND NFPA-780 LIGHTNING PROTECTION STANDARDS.

3. CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" (DOWN AND UP) POCKETS

4. NO BEND OF A CONDUCTOR SHALL FORM A RADIUS OF LESS THAN 90 DEGREES NOR SHALL HAVE A RADUIS OF BEND OF LESS THAN 8"

5. AIR TERMINALS SHALL BE PLACED 20'-0" MAXIMUM SPACING AALONG ROOF RIDGES AND WITHIN 2'-0" OF OUTSIDE CORNERS

6. ACTUAL JOBSITE CONDITIONS MAY REQUIRE SLIGHT ALTERATIONS IN AIR TERMINAL, DOWN CONDUCTOR AND GROUND ROD LOCATIONS

7. BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.

8. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED HORIZONTALLY AND VERTICALLY NOT MORE THAN 3'-0" O.C. MAXIMUM SPACING.

9. ALL BOLTS ON BOLT PRESSURE CONNECTORS REQUIRE BEING TORQUED AT 150 POUND-INCHES (17N M).

10. ALL CONNECTIONS MUST BE USED WITH UL LISTED CLASS I CABLE OF THE SAME METAL TYPE.

11. METALLIC BODIES OF INDUCTANCE SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR ANOTHER BONDED METAL BODY SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM, UNLESS INHERENTLY GROUNDED.

12. BOND TO ALL BODIES OF CONDUCTANCE WITHIN 6'-0" OF THE MAIN LIGHTNING CONDUCTOR SUCH AS: EXHAUST FANS, ROOF VENTS, ANTENNAS, SKYLIGHTS AND METAL STACKS.

13. CONNECTIONS TO GROUND RODS SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.

14. BOND TO WATERLINES (DOMESTIC & FIRE).

15. A LIGHTNING ARRESTOR, PROTECTOR OR ANTENNA DISCHARGE UNIT SHALL BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE AND RADIO AND TELEVISION ANTENNA LEAD-IN BY DIVISION 26, PER NFPA-70.

Allied Engineering
Structural Mechanical Electrical Plumbing
160 Veranda Street
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Allied Project No: 12069 | Cad File:

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1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

STATE OF MAINE
CATHERINE A. FAUCHER
No. 7575
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 7575

DATE January 17, 2022

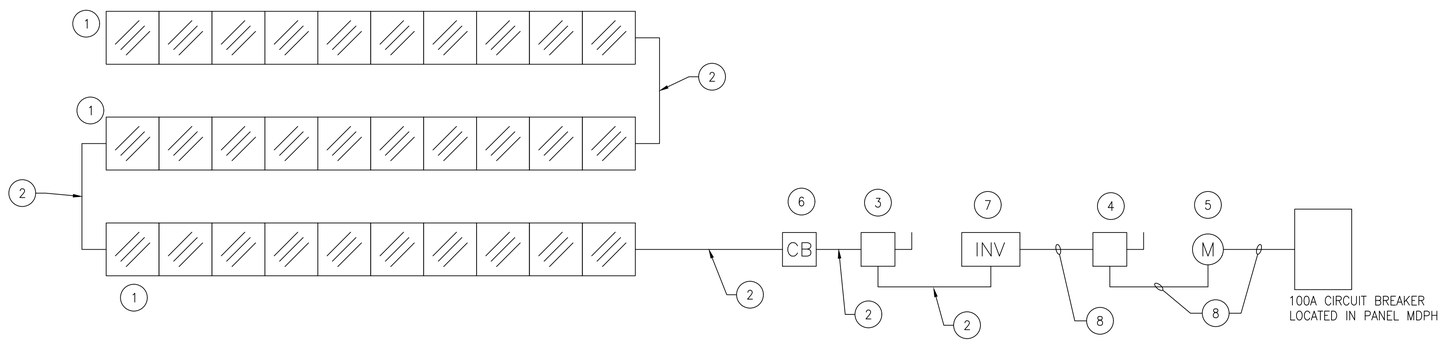
PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	AECOM
DESIGNER	ALLIED ENGINEERING
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

Lightning Protection Plan and Details

SHEET NUMBER
LP100

Username:
Division:
Date:
Filename:



1 PHOTOVOLTAICS SYSTEM DIAGRAM (57KW)
NONE

KEY NOTES

1. PHOTOVOLTAIC MODULES LOCATED ON ROOF. QUANTITY AND LAYOUT SHOWN IS DIAGRAMMATIC ONLY. SEE SHEET A205 FOR ACTUAL LOCATIONS, QUANTITY, AND ADDITIONAL INFORMATION.
2. PHOTOVOLTAIC MODULES INTERCONNECTIONS SHALL BE BY PV INSTALLER.
3. DC DISCONNECT. 200A, 2–POLE, NF, NEMA–3R LOCKING DISCONNECT SWITCH. LOCATE ON BUILDING EXTERIOR.
4. AC DISCONNECT. 200A, 3–POLE, NF, NEMA–3R LOCKING DISCONNECT SWITCH. LOCATE ON BUILDING EXTERIOR.
5. PV METER
6. COMBINER BOX BY PV SUPPLIER
7. INTERACTIVE INVERTER BY PV SUPPLIER
8. (3) #1AWG, (1) #8, 1–1/2" RGS CONDUIT. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONNECTIONS BETWEEN INTERACTIVE INVERTER AND BUILDING AC PANEL. SEE DRAWING EP500 FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. REFER TO SHEET E000 FOR ADDITIONAL ELECTRICAL GENERAL NOTES, SYMBOLS LEGENDS, AND ABBREVIATIONS.
2. REFER TO SHEET EP500 FOR BUILDING ONE–LINE DIAGRAM.
3. REFER TO EP600 SHEET SERIES FOR PANEL SCHEDULES.
4. BASIS OF DESIGN IS BY HANNAH SOLAR.
5. PHOTOVOLTAIC SYSTEM (PVS) DRAWINGS ARE PERFORMANCE–BASED AND DIAGRAMMATIC. THE PVS SUPPLIER SHALL SUBMIT SIGNED AND SEALED CONSTRUCTION DRAWINGS TO THE ENGINEER OF RECORD FOR THEIR REVIEW AND APPROVAL.

NOT FOR CONSTRUCTION

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

PIN NO: 017163.02

STATE OF MAINE
DONNA L MILLER
841305
LICENSED
PROFESSIONAL ENGINEER
01/07/2022

SIGNATURE
–

ARCH. LIN. NUMBER
–

DATE JANUARY 7, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

PHOTOVOLTAICS SYSTEM
DIAGRAM (57KW)

SHEET NUMBER
PV100

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NPS symbols / icons / arrows

NPS Arrowhead Black and White

NPS Arrowhead 4 Color

Men

Women

Restrooms

Wheelchair Accessible

Wheelchair Accessible

Parking

Parking

Hiking Trail

No Food or Drinks

No Pets

No Firearms

Island Explorer

Arrow Type B Road Guides SG Sign Types

Arrow Variants

Arrow Variants

Arrow Variants

Arrow Variants

alignment
Park

project typography

ABCDEFGHIJKLMNOPQURSTVWXYZ
abcdefghijklmnopqurstvwxyz1234567890!$%?:;

t.1
NPS Rawlinson OT - Bold
Terminal Design

ABCDEFGHIJKLMNOPQURSTVWXYZ
abcdefghijklmnopqurstvwxyz1234567890!$%?:;

t.2
NPS Rawlinson OT - Heavy
Terminal Design

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abcdefghijklmnopqurstvwxyz1234567890!$%?:;

t.3
ClearviewHWY 4B
Terminal Design

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t.4
Frutiger 65 Bold
Adobe Systems

ABCDEFGHIJKLMNOPQURSTVWXYZ
abcdefghijklmnopqurstvwxyz1234567890!$%?:;

t.5
Frutiger 55 Roman
Adobe Systems

paint finishes per UNIguide Standards

pt.1
matthews paints
MP048306
"Obsidian"

pt.2
benjamin moore
Classics1000

pt.3
benjamin moore
Color Preview
2143-50
"Old Prarie"

pt.4
matthews paints
Color Preview
2139-10
"River Rock"

pt.5
matthews paints
Color Preview
2130-10
"Black Bean Soup"

pt.6
matthews paints
PMS 1615

pt.7
matthews paints
MP31645
"Designer White"

pressure sensative films

v.1
3m 7725-47
"Intense Blue"

v.2
3m 7725-10
"White"

v.3
3m 7725-53
"Cardinal Red"

v.4
3m 7725-56
"Dark Green"

v.5
3m 3290
"Reflective White"

v.6
3m 7725-12
"Black"

v.7
3m 7725-186
"Bright Green"

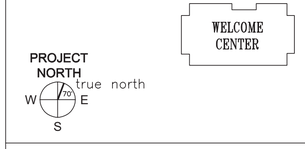
v.8
3m 7725-57
"Olympic Blue"

v.9
3m 7725SE -314
"Dusted Crystal"

metal finshes

m.1
weathered steel
Corten or equal

PROJECT KEY PLAN



AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

SIGNATURE
–

ARCH. LIN. NUMBER
–

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

SYMBOLS, TYPOGRAPHY, AND PAINT FINISHES

SHEET NUMBER

SG101

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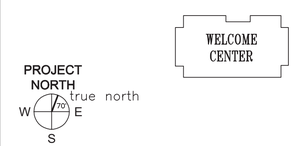
Sign Type	Sign Location	Sign Description	Message A	Message B	Message C	Message D	Comments
SITE / EXTERIOR							
A1	001	Primary Site Identity	NPS Arrow	Acadia Gateway Center	[island explorer logo]	[downeast logo]	
A2	001	Secondary Site Identity	NPS Arrow	Acadia Gateway Center	Maine Information Center	Island Explorer Shuttles	
A3	001	Building Identity	Acadia Gateway Center				
A5	001	Bus Stop Identity	Acadia Gateway Center				
A6	001	Service Entrance Identity	Receiving				
A6.1	001	Restricted Access Regulation	No Vehicles Beyond this Point				
C1.1A	001	Information Kiosk - Side 1, Panel A					Artwork by others. ANP to provide digital files to contractor
C1.1B	001	Information Kiosk - Side 1, Panel B					Artwork by others. ANP to provide digital files to contractor
C1.2A	001	Information Kiosk - Side 2, Panel A					Artwork by others. ANP to provide digital files to contractor
C1.2B	001	Information Kiosk - Side 2, Panel B					Artwork by others. ANP to provide digital files to contractor
C2	001	Bus Schedule	Variable Message Display	Island Explorer Logo			
C2	002	Bus Schedule	Variable Message Display	Downeast Logo			
C3	001	Orientation Exhibit	MOT Info Kiosk				MOT to provide digital files
C3	002	Orientation Exhibit	MDI Info Kiosk				MDI to provide digital files
C3	003	Orientation Exhibit	Island Explorer Kiosk				DTI to provide digital files
C4	001	DTI Table / Map Holder					Content to be provided by DTI
C4	002	DTI Table / Map Holder					Content to be provided by DTI
PARKING AREA / HIGHWAY							
B1.1	004	Vehicle Direction - Medium	(Arrow up) Exit	Visitor Parking (Arrow right)			
B1.1	006	Vehicle Direction - Medium	(Arrow up) [hiking symbol] Hiking Trails	DTI Office (Arrow right)			
B1.1	007	Vehicle Direction - Medium	(Arrow up) Rideshare/Taxi School Bus Drop-Off Receiving				
B1.1	008	Vehicle Direction - Medium	(Arrow left) Rideshare/Taxi School Bus Drop-Off Receiving				
B1.1	009	Vehicle Direction - Medium	(Arrow angled up-left) Exit	School Bus Drop-Off (Arrow angled up-right)			
B1.1	010	Vehicle Direction - Medium	(Arrow up) Bus & RV Parking Park & Ride DTI Office				
B1.2	001	Vehicle Direction - Large	(Arrow up) All Other Vehicles School Bus Drop-Off	(Arrow left) Authorized Buses Only			
B1.2	002	Vehicle Direction - Large	(Arrow left) Visitor Parking Rideshare/Taxi School Bus Drop-Off Receiving				
B1.2	003	Vehicle Direction - Large	(Arrow up) Bus & RV Parking Park & Ride DTI Office	(Arrow left) Visitor Parking			
B1.2	005	Vehicle Direction - Large	(Arrow up) Park & Ride DTI Office [hiking symbol] Hiking Trails	(Arrow left) Bus & RV Parking			
B2	001	Vehicle Direction - Small	(Arrow left) Receiving				
B2	002	Vehicle Direction - Small	[Rt 3 symbol] Exit (Arrow right)				
B2	003	Vehicle Direction - Small	[Rt 3 symbol] Exit (Arrow right)				
B3	001	Highway Guide Vehicle Direction	[NPS Symbol]	Acadia Gateway Center	Maine Visitor Information Island Explorer Shuttles	1000 feet ahead	
B3	002	Highway Guide Vehicle Direction	[NPS Symbol]	Acadia Gateway Center	Maine Visitor Information Island Explorer Shuttles	1/2 mile ahead	
B3	003	Highway Guide Vehicle Direction	[NPS Symbol]	Acadia Gateway Center	Symbols: [Restrooms] [Bus] [Parking] [Info]	3-1/2 miles ahead	

PROJECT KEY PLAN



AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

SIGNATURE –

ARCH. LIN. NUMBER –

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

SIGNAGE MESSAGE SCHEDULE - PART 1

SHEET NUMBER

SG102

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Sign Type	Sign Location	Sign Description	Message A	Message B	Message C	Message D	Comments
PARKING AREA / HIGHWAY (CONTINUED)							
D1	001	Enhanced Stop Regulation	MUTCD STANDARD				DOUBLE SIDED APPLICATION
D1	002	Enhanced Stop Regulation	MUTCD STANDARD				
D1	003	Enhanced Stop Regulation	MUTCD STANDARD				
D1	004	Enhanced Stop Regulation	MUTCD STANDARD				
D1	005	Enhanced Stop Regulation	MUTCD STANDARD				
D1	006	Enhanced Stop Regulation	MUTCD STANDARD				
D1	007	Enhanced Stop Regulation	MUTCD STANDARD				
D1	008	Enhanced Stop Regulation	MUTCD STANDARD				
D1	009	Enhanced Stop Regulation	MUTCD STANDARD				
D1	010	Enhanced Stop Regulation	MUTCD STANDARD				
D1	011	Enhanced Stop Regulation	MUTCD STANDARD				
D1	012	Enhanced Stop Regulation	MUTCD STANDARD				
D1	013	Enhanced Stop Regulation	MUTCD STANDARD				DOUBLE SIDED APPLICATION
D2	001	Enhanced Do Not Enter Regulation	MUTCD STANDARD				DOUBLE SIDED APPLICATION
D2	002	Enhanced Do Not Enter Regulation	MUTCD STANDARD				DOUBLE SIDED APPLICATION
D3	001	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	004	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	005	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	006	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	007	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	008	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	009	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	010	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	011	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D3	012	Enhanced Crosswalk Regulation	MUTCD STANDARD				
D4	001	Restricted Access Regulation	(DO NOT ENTER) Island Express & Charter Buses Only				
D4	002	Restricted Access Regulation	(DO NOT ENTER) Island Express & Charter Buses Only				
D4	003	Restricted Access Regulation	(DO NOT ENTER) Service Vehicles / Receiving Only				
D5	001	Accessible Parking Regulation	Reserved Parking	Disabled Permit Holders Only	(HC)		
D5	002	Accessible Parking Regulation	Reserved Parking	Disabled Permit Holders Only	(HC)		
D5	003	Accessible Parking Regulation	Reserved Parking	Van Accessible	(HC)		
D5	004	Accessible Parking Regulation	Reserved Parking	Van Accessible	(HC)		
D5	005	Accessible Parking Regulation	Reserved Parking	Van Accessible	(HC)		
D5	006	Accessible Parking Regulation	Reserved Parking	Van Accessible	(HC)		
D5	007	Accessible Parking Regulation	Reserved Parking	Van Accessible	(HC)		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

SIGNATURE
_

ARCH. LIN. NUMBER
_

DATE JANUARY 17, 2022

PROJECT	INFORMATION
PROGRAM	_
PROJECT MANAGER	_
DESIGNER	AECOM
CONSULTANT	_
PROJECT RESIDENT	_
CONTRACTOR	_
PROJECT COMPLETION DATE	_

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

SIGNAGE MESSAGE SCHEDULE - PART 2

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

SHEET NUMBER

SG103

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Sign Type	Sign Location	Sign Description	Message A	Message B	Message C	Message D	Comments
PARKING AREA / HIGHWAY (CONTINUED)							
D6.1	001	Island Explorer Bus Parking Regulation	Reserved Parking	(Island Explorer logo)	BUS STOP		
D6.1	002	Island Explorer Bus Parking Regulation	Reserved Parking	Island Explorer Parking Only	(P)		
D6.1	003	Island Explorer Bus Parking Regulation	Reserved Parking	Island Explorer Parking Only	(P)		
D6.1	004	Island Explorer Bus Parking Regulation	Reserved Parking	Island Explorer Parking Only	(P)		
D6.2	001	Charter Bus Parking Regulation	Reserved Parking	Short Term Charter Bus Parking Only	(P)		
D6.2	002	Charter Bus Parking Regulation	Reserved Parking	Short Term Charter Bus Parking Only	(P)		
D6.3	001	Bus Parking Regulation		No Parking Beyond this Point			
D9.1	001	Electric Vehicle Regulation	Reserved	Level 3 Charger	(electric vehicle symbol)	(arrow right)	
D9.1	002	Electric Vehicle Regulation	Reserved	Level 2 Charger	(electric vehicle symbol)	(arrow right)	
D9.2	001	Electric Vehicle Regulation	Level 3 Charger	(electric vehicle symbol)	(arrow left)		
D9.2	002	Electric Vehicle Regulation	Level 2 Charger	(electric vehicle symbol)	(arrow left)		
D9.3	001	Electric Vehicle Regulation	Reserved Parking	Level 2 Charger	Electric Vehicle Charging for Disabled Permit Holders Only	(electric vehicle symbol + HC)	
D9.3	002	Electric Vehicle Regulation	Reserved Parking	Level 3 Charger	Electric Vehicle Charging for Disabled Permit Holders Only	(electric vehicle symbol + HC)	
D9.4	001	Electric Vehicle Regulation	Level 3 Charger	(electric vehicle symbol)	(double-sided arrow)		
D9.4	002	Electric Vehicle Regulation	Level 2 Charger	(electric vehicle symbol)	(double-sided arrow)		

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

SIGNATURE
_

ARCH. LIN. NUMBER
_

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	_
PROJECT MANAGER	_
DESIGNER	AECOM
CONSULTANT	_
PROJECT RESIDENT	_
CONTRACTOR	_
PROJECT COMPLETION DATE	_

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

NAME OF SHEET
NAME OF SHEET

SHEET NUMBER
SG104

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Sign Type	Sign Location	Sign Description	Message A	Message B	Message C	Message D	Comments
BASEMENT LEVEL							
A17	B01	Room Identity	Mechanical Room #2	B02	(braille)		
A17	B02	Room Identity	Telecom Room	B01	(braille)		
A17	B03	Room Identity	Fire Pump Room	B03	(braille)		
A17	B04	Room Identity	Water Room	B04	(braille)		
A17	B05	Room Identity	Electrical Room	B05	(braille)		
A17	B06	Room Identity	Mechanical Room #1	B06	(braille)		
A17	B09	Room Identity	Emergency Electrical Closet	B05.1	(braille)		
A20	B07	Stair Identity	(Stair Symbol)	STAIRS	(braille)		
A21	B08	Level Identity	STAIRS FLOOR B (up arrow)	LEVELS B THRU 2 EXIT ON LEVEL 1	NO ROOF ACCESS	(braille line 1) (braille line 2)	
FIRST LEVEL							
A12	126	Primary Desk Identity	(Information Icon)	< Maine Tourism	Acadia National Park >		
A13	117	Secondary Desk Identity	Visitor Fees & Passes				
A17	101	Room Identity	Companion Care	102	(braille)		
A17	104	Room Identity	Janitor Closet and Storage	101	(braille)		
A17	105	Room Identity	Breakroom and Lockers	(-)	(braille)		
A17	109	Room Identity	Nursing Room	103	(braille)		
A17	115	Room Identity	Storage Room #1	105	(braille)		
A17	116	Room Identity	Receiving	104	(braille)		
A17	119	Room Identity	Storage Room #2	106	(braille)		
A17	120	Room Identity	Storage Room #2	106	(braille)		
A17	121	Room Identity	Receiving	104	(braille)		
A18	114	Room Identity with Insert	108	(braille)	Insert		
A18	118	Room Identity with Insert	107	(braille)	Insert		
A18	132	Room Identity with Insert	109	(braille)	Insert		
A19	107	Restroom Identity	(women/hc symbol)	WOMEN	(braille)		
A19	108	Restroom Identity	(men/hc symbol)	MEN	(braille)		
A20	113	Stair Identity	(Stair Symbol)	STAIRS	(braille)		
A21	112	Level Identity	STAIRS FLOOR 1	LEVELS B THRU 2 EXIT THIS LEVEL	NO ROOF ACCESS	(braille line 1) (braille line 2)	
E1	123	Ceiling Banners	Image FPO				Image to be supplied by NPS
E1	124	Ceiling Banners	Image FPO				Image to be supplied by NPS
E1	129	Ceiling Banners	Image FPO				Image to be supplied by NPS
E1	130	Ceiling Banners	Image FPO				Image to be supplied by NPS
E1	131	Ceiling Banners	Image FPO				Image to be supplied by NPS
SECOND LEVEL							
A17	202	Room Identity	Storage Room #3	201	(braille)		
A17	207	Room Identity	Storage Room #3	201	(braille)		
A17	211	Room Identity	Mechanical Room #3	202	(braille)		
A20	209	Stair Identity	(Stair Symbol)	STAIRS	(braille)		
A21	210	Level Identity	STAIRS FLOOR 2 (down arrow)	LEVELS B THRU 2 EXIT ON LEVEL 1	NO ROOF ACCESS	(braille line 1) (braille line 2)	

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

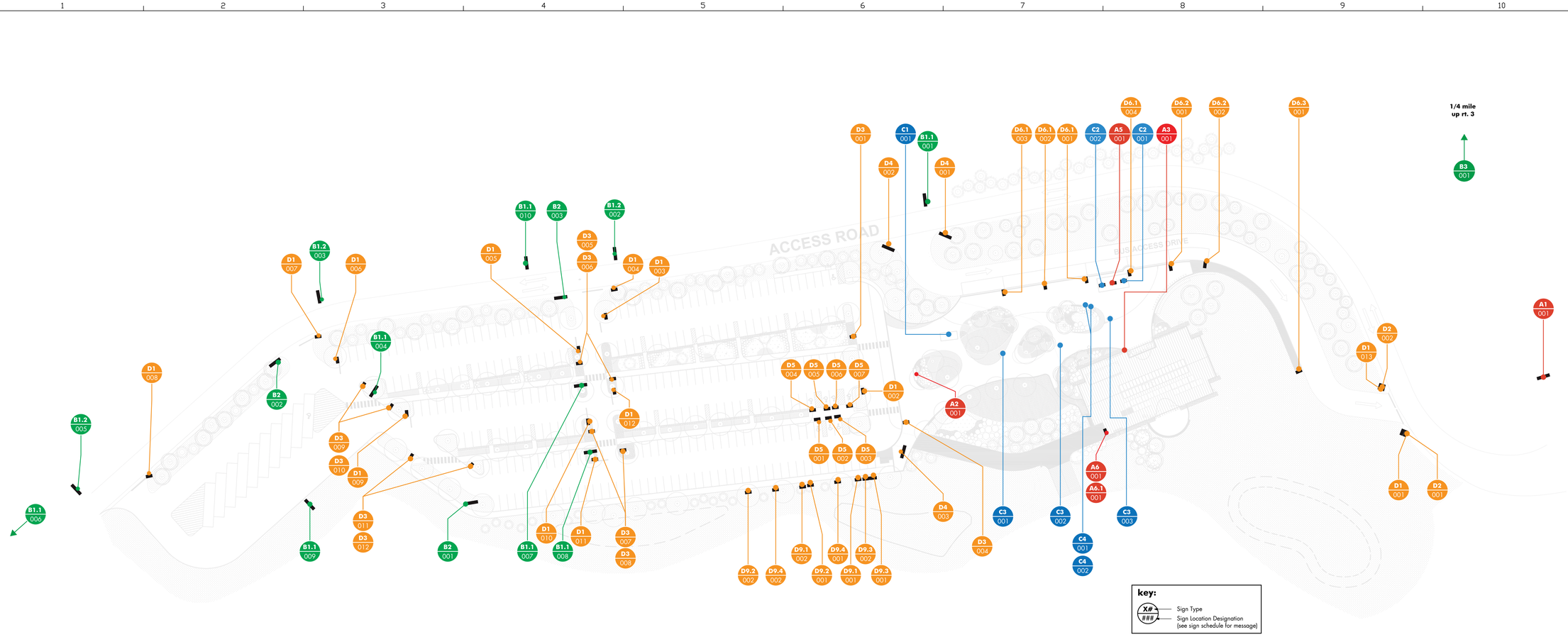
PROJECT INFORMATION			
PROGRAM	-	SIGNATURE	-
PROJECT MANAGER	-		
DESIGNER	AECOM	ARCH. LIN. NUMBER	-
CONSULTANT	-	DATE	JANUARY 17, 2022
PROJECT RESIDENT	-		
CONTRACTOR	-		
PROJECT COMPLETION DATE	-		

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

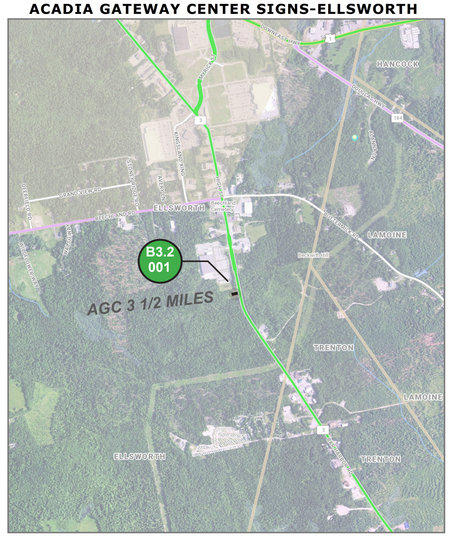
SIGNAGE MESSAGE SCHEDULE - PART 3

SHEET NUMBER
SG105

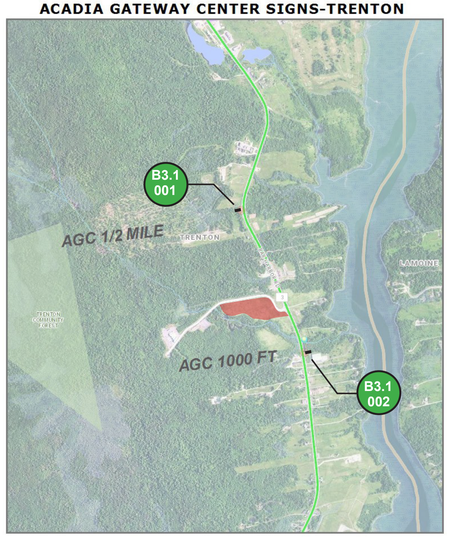
C:\Users\stacy.zung\OneDrive - AECOM Directory\Acadia\06 Construction Docs_Titleblock\Titleblock 24X36.dwg Jan 13, 2022 - 8:05am



ACADIA GATEWAY CENTER SIGNS-ELLSWORTH



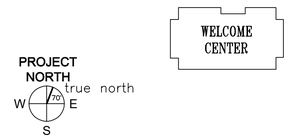
ACADIA GATEWAY CENTER SIGNS-TRENTON



NOTE

Final locations for all three approach signs on Route 3 need to be coordinated with the MaineDOT Region 4 Traffic Engineer. They can be reached at (207) 941-4500

PROJECT KEY PLAN



AECOM
1 FEDERAL STREET, 8TH FLOOR
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617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

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SIGNATURE

ARCH. LIN. NUMBER

DATE JANUARY 17, 2022

PROJECT INFORMATION		DATE
PROGRAM	–	
PROJECT MANAGER	–	
DESIGNER	AECOM	
CONSULTANT	–	
PROJECT RESIDENT	–	
CONTRACTOR	–	
PROJECT COMPLETION DATE	–	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE
LOCATION PLAN

SHEET NUMBER

SG106

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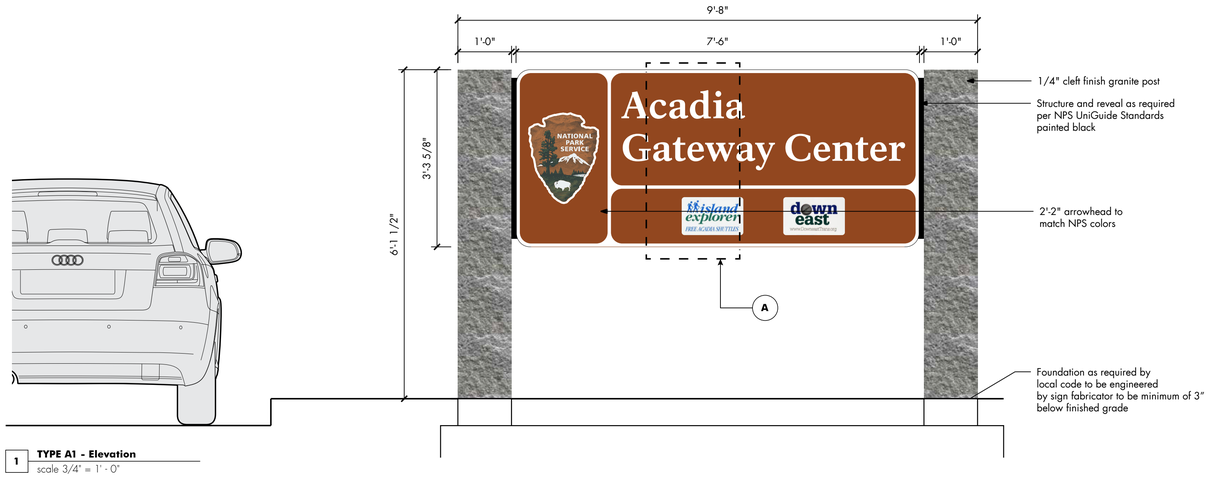
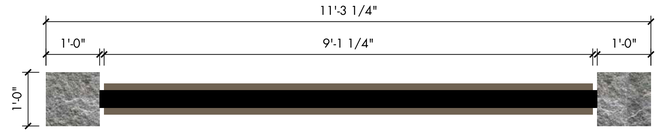
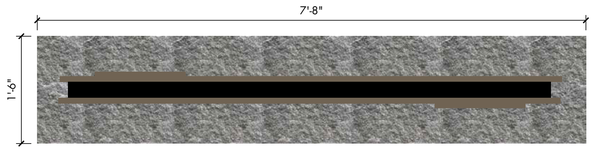


1 **TYPE A1 - Elevation**
scale 3/4" = 1' - 0"

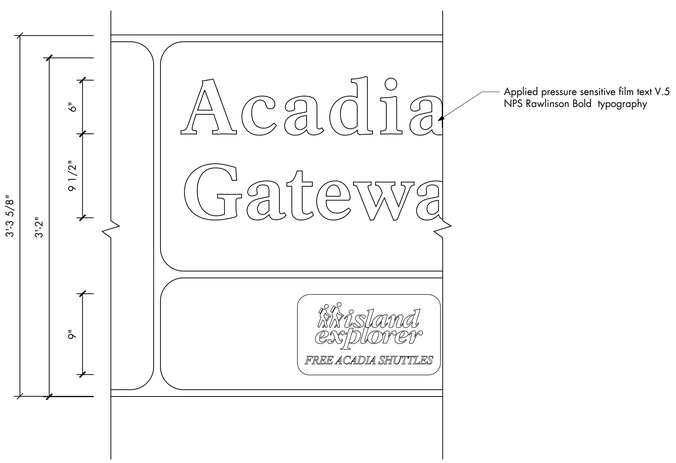


2 **TYPE A1 - Top View**
scale 3/4" = 1' - 0"

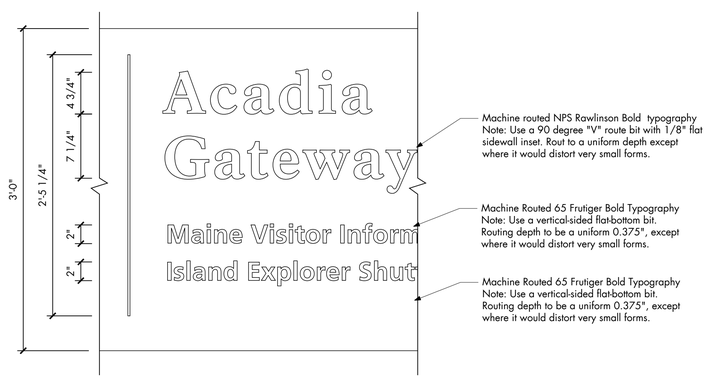
3 **TYPE A2 - Top View**
scale 1" = 1' - 0"



4 **Type A2 - Top View**
scale 1" = 1' - 0"



A **TYPE A1 - Text Detail**
scale 1 1/2" = 1' - 0"



B **Type A2 - Text Detail**
scale 1 1/2" = 1' - 0"

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

SIGNATURE	ARCH. LIN. NUMBER
–	–

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL I - GATEWAY AND WELCOME SIGNS

SHEET NUMBER
SG107

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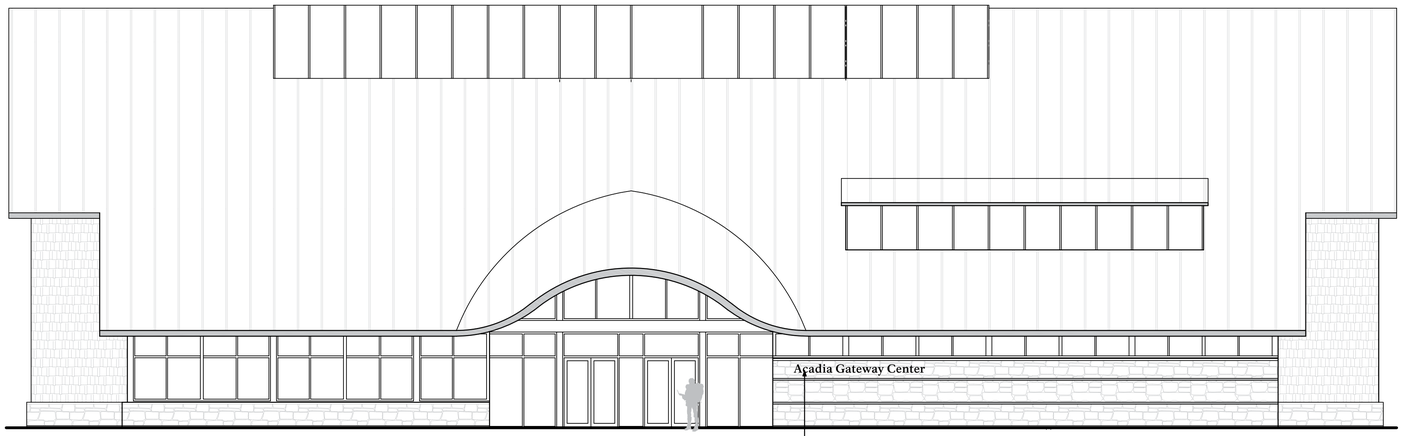
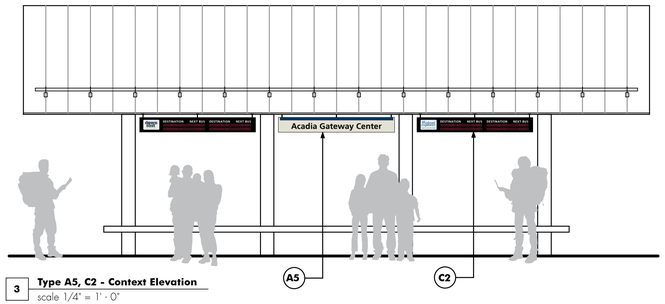
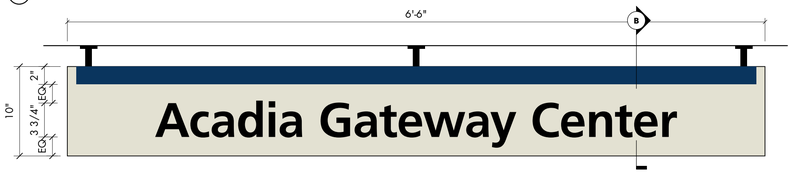


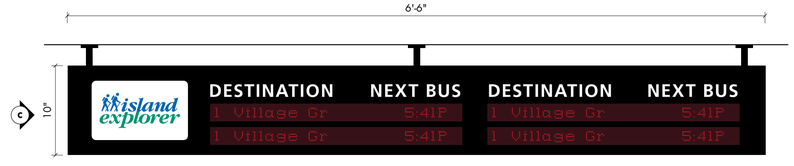
1 **TYPE A3 - Context Elevation**
scale 1/8" = 1' - 0"



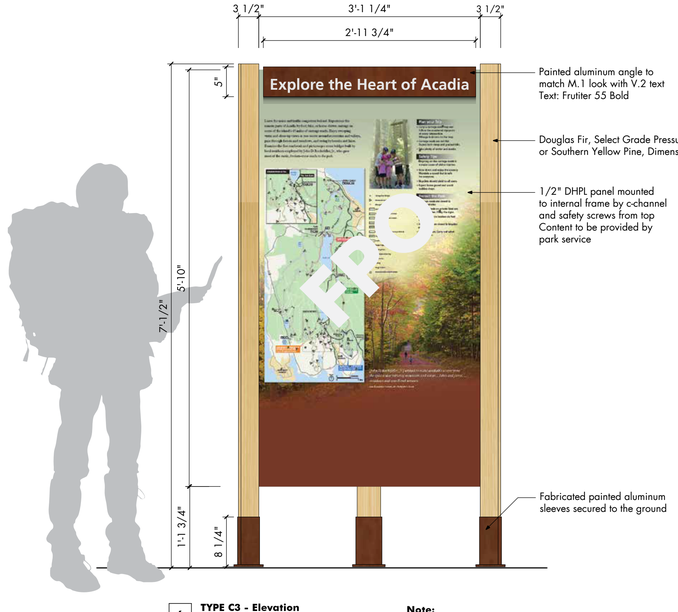
3 **Type A5, C2 - Context Elevation**
scale 1/4" = 1' - 0"



4 **Type A5 - Detail**
scale 1 1/2" = 1' - 0" Type A5

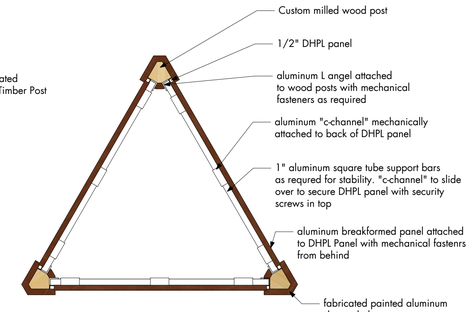


5 **Type C2 - Detail**
scale 1 1/2" = 1' - 0" Type C2

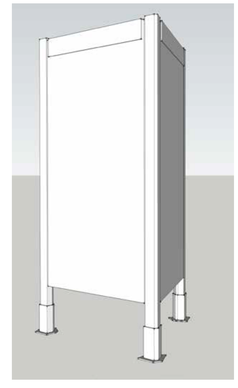


6 **TYPE C3 - Elevation**
scale 1" = 1' - 0"

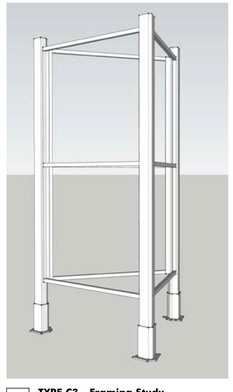
Note:
Final content to be provided by others



7 **TYPE C3 - Top View**
scale 1" = 1' - 0"

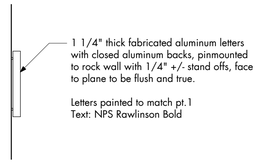


D **TYPE C3 - Massing Study**
scale NTS

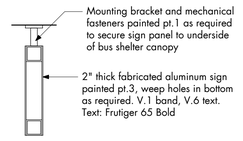


E **TYPE C3 - Framing Study**
scale NTS

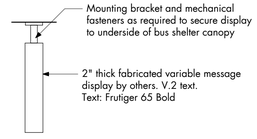
2 **TYPE A3 - Detail**
scale 1" = 1' - 0"



A **Type A3 - End View**
scale 1" = 1' - 0"



B **Type A5 - Section**
scale 1 1/2" = 1' - 0" Type A5



C **Type C2 - End View**
scale 1 1/2" = 1' - 0"

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

SIGNATURE _

ARCH. LIN. NUMBER _

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL II - BUILDING, BUS SHELTER, KIOSKS

SHEET NUMBER
SG108

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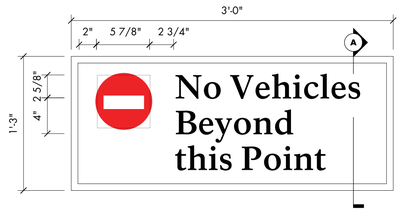
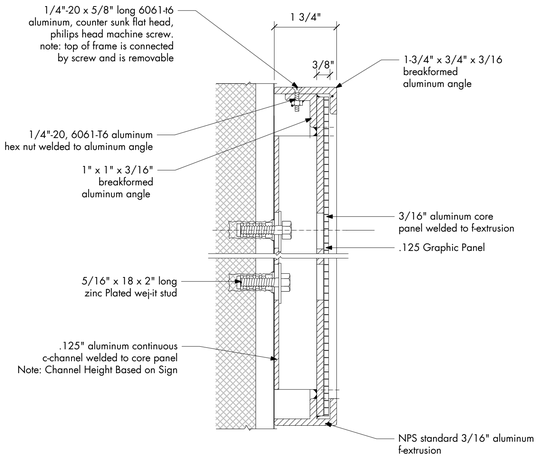
1 **TYPE A6 - Context Elevation**
scale 1/8" = 1' - 0"

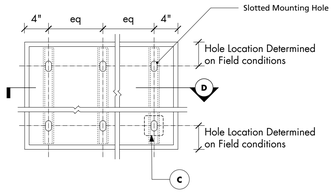
2 **TYPE A6 - Type Detail**
scale 1 1/2" = 1' - 0" Type A6



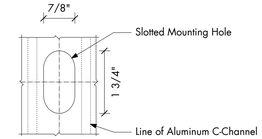
5 **TYPE A6.1 - Type Detail**
scale 1 1/2" = 1' - 0" Type A6.1



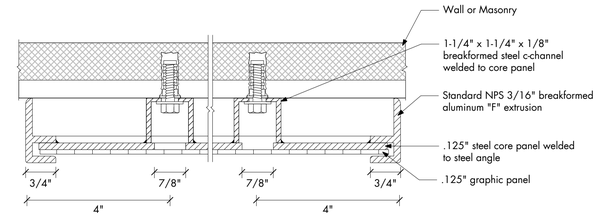
A **TYPE A6 - Section**
scale 6" = 1' - 0"



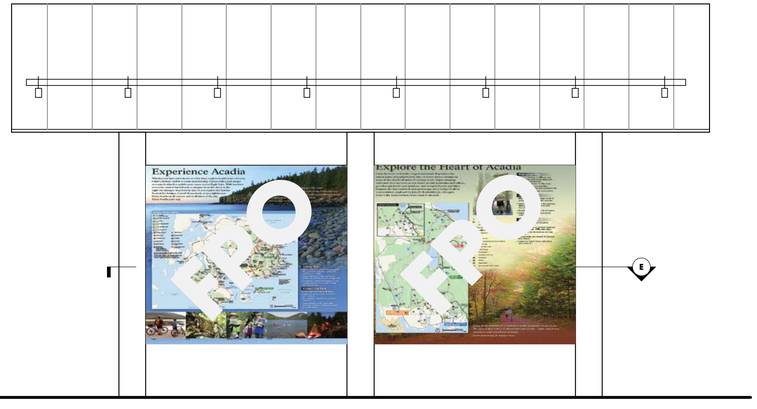
B **TYPE A6 - Frame Mounting Hole Locations**
scale 1" = 1' - 0"



C **TYPE A6 - Detail at Slotted Hole**
scale 6" = 1' - 0"

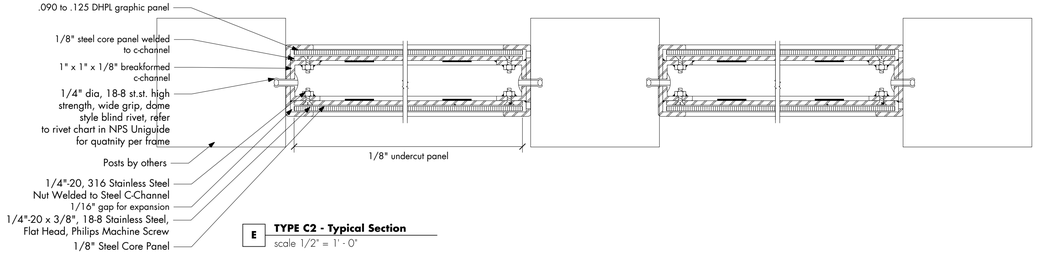


D **TYPE A6 - Detail at Slotted Hole**
scale 6" = 1' - 0"

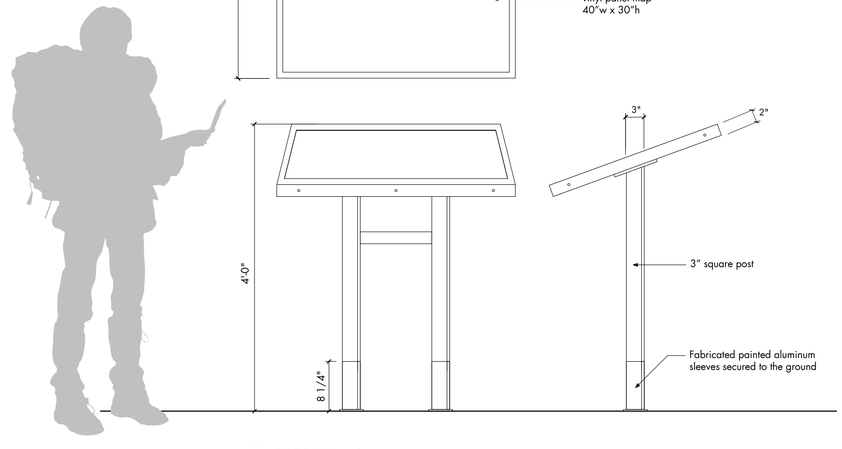


3 **TYPE C1 - Context Elevation**
scale 1/2" = 1' - 0" Type C1

Note:
Final content to be provided by NPS



E **TYPE C2 - Typical Section**
scale 1/2" = 1' - 0"



4 **TYPE C4 - Elevation**
scale 1" = 1' - 0"

Note:
Final content to be provided by others. Basis of design is Neokraft Interpretive Display, with 30"x40" opening for map panel, and removable retainer frame.

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
BOSTON, MA 02110
617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

PROJECT INFORMATION			
PROGRAM	-	SIGNATURE	-
PROJECT MANAGER	-	ARCH. LIN. NUMBER	-
DESIGNER	AECOM	DATE	JANUARY 17, 2022
CONSULTANT	-		
PROJECT RESIDENT	-		
CONTRACTOR	-		
PROJECT COMPLETION DATE	-		

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL III - BUILDING AND INFO. CENTER

SHEET NUMBER
SG109

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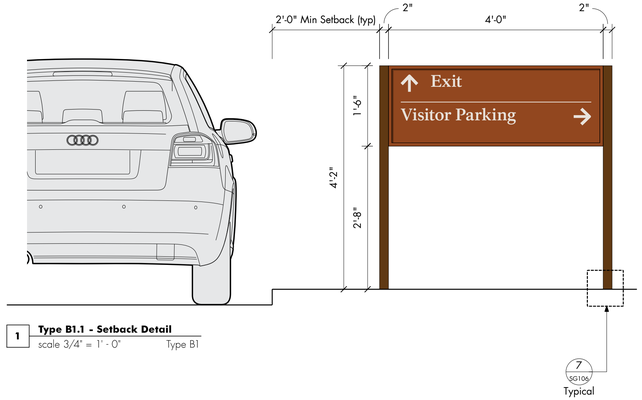
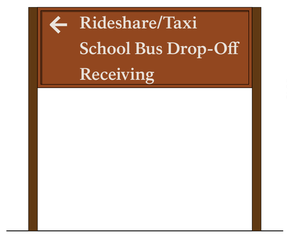
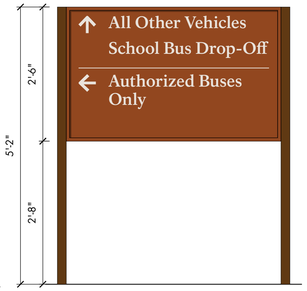


1 **Type B1.1 - Setback Detail**
scale 3/4" = 1' - 0" Type B1

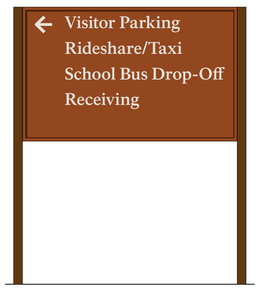
2 **TYPE B1.1 - Alt. Message**
scale 3/4" = 1' - 0"



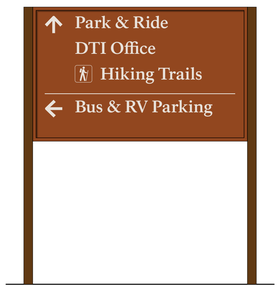
3 **TYPE B1.1 - Alt. Message**
scale 3/4" = 1' - 0"



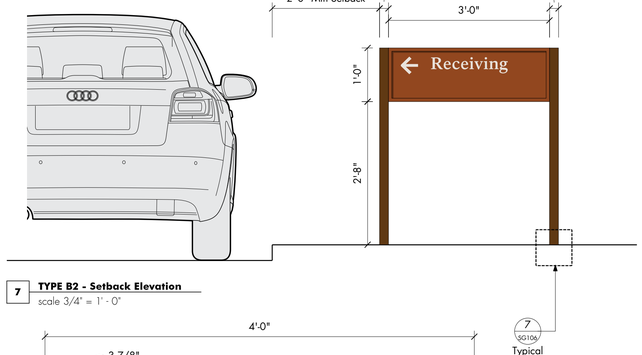
4 **Type B1.2 - Elevation**
scale 3/4" = 1' - 0"



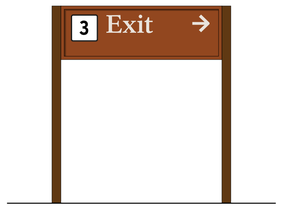
5 **Type B1.2 - Alt. Message**
scale 3/4" = 1' - 0"



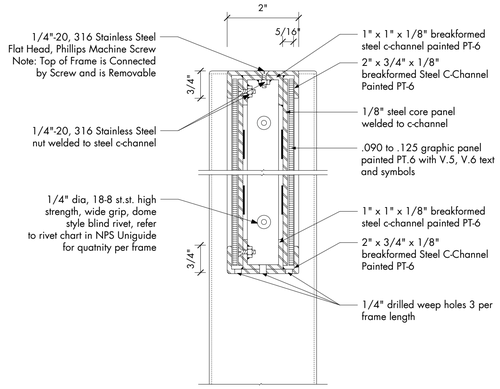
6 **Type B1.2 - Alt. Message**
scale 3/4" = 1' - 0"



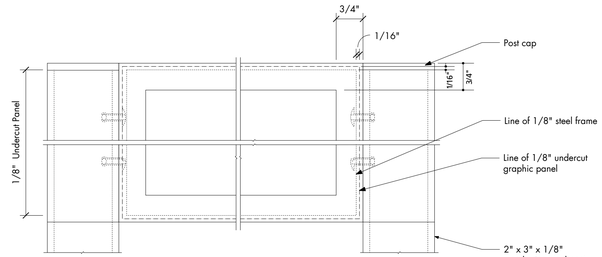
7 **TYPE B2 - Setback Elevation**
scale 3/4" = 1' - 0"



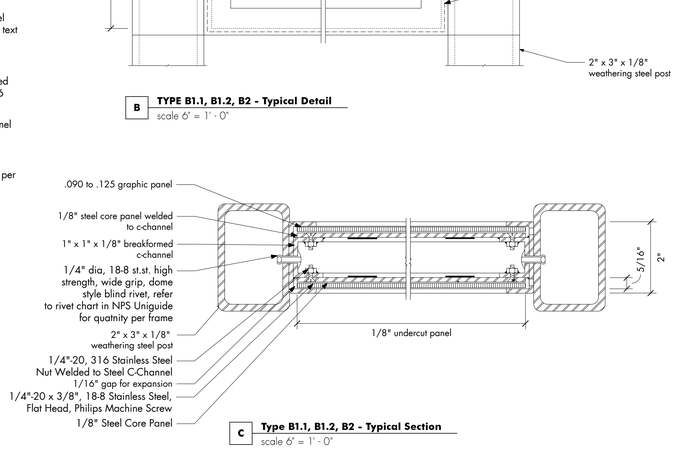
8 **TYPE B2 - Alt. Message w/ symbol**
scale 3/4" = 1' - 0"



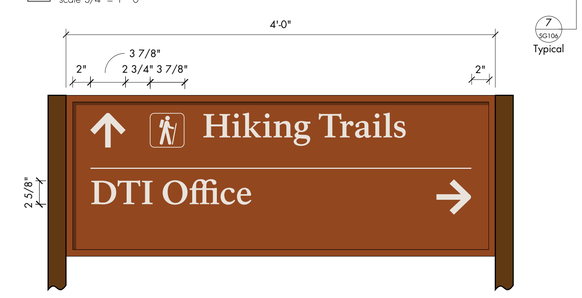
A **TYPE B1.1, B1.2, B2 - Typical Section**
scale 6" = 1' - 0"



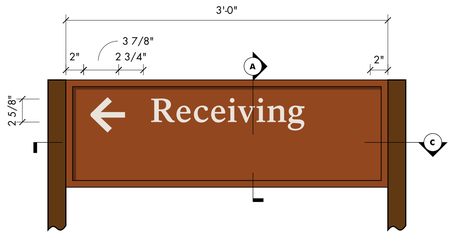
B **TYPE B1.1, B1.2, B2 - Typical Detail**
scale 6" = 1' - 0"



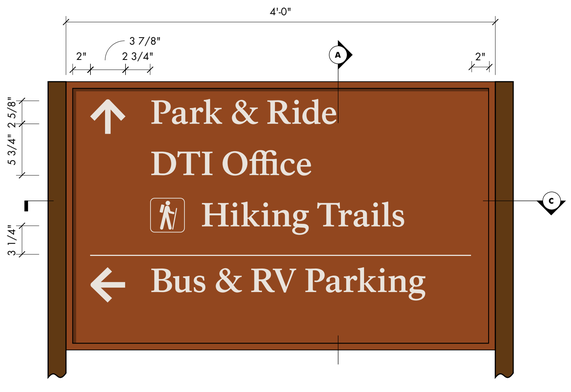
C **Type B1.1, B1.2, B2 - Typical Section**
scale 6" = 1' - 0"



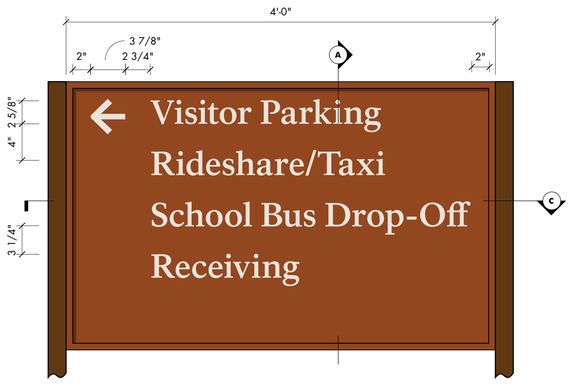
9 **TYPE B1.1- Text Layout Detail**
scale 1 1/2" = 1' - 0"



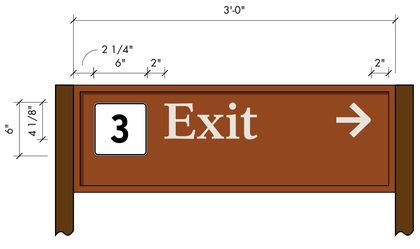
10 **TYPE B2 - Text Layout Detail**
scale 1 1/2" = 1' - 0"



11a **TYPE B1.2 - Text Layout Detail**
scale 1 1/2" = 1' - 0"

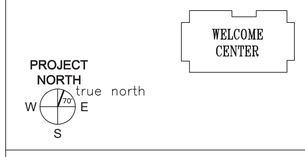


11b **TYPE B1.2 - Text Layout Detail**
scale 1 1/2" = 1' - 0"



12 **Type B2 - Text Layout Detail w/ Symbol**
scale 1 1/2" = 1' - 0"

PROJECT KEY PLAN



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CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL IV - PARKING AREA

SHEET NUMBER

SG110

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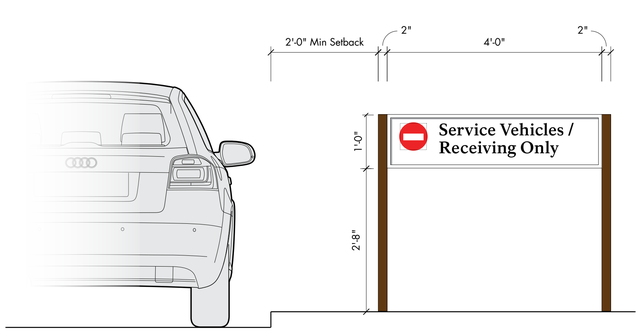
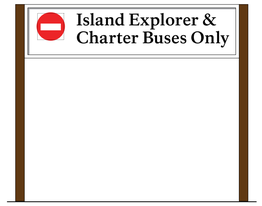
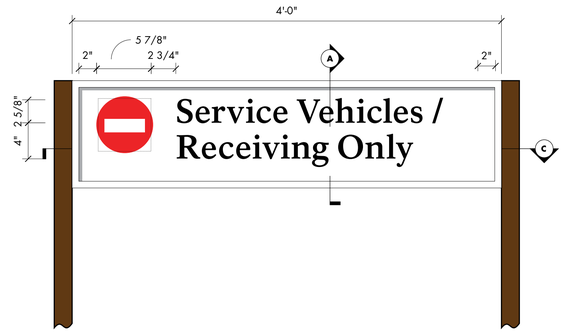


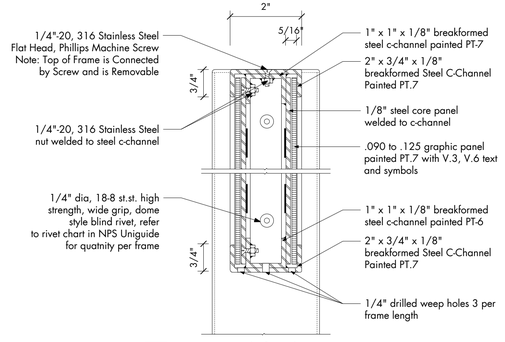
1 **TYPE D4 - Setback Elevation**
scale 3/4" = 1' - 0"



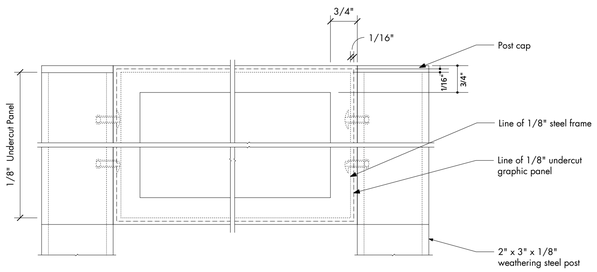
2 **TYPE D4 - Alt. Message**
scale 3/4" = 1' - 0"



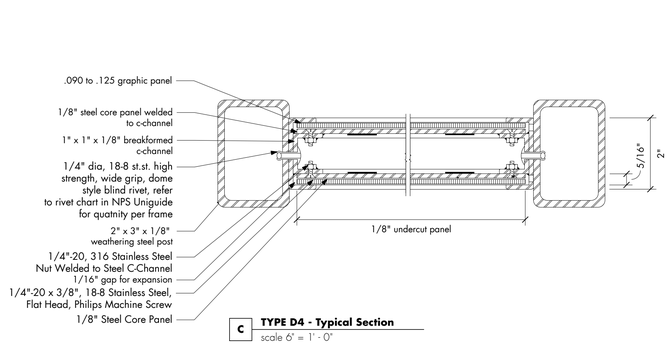
3 **TYPE D4 - Type Detail**
scale 1/2" = 1' - 0"



A **TYPE D4 - Typical Section**
scale 6" = 1' - 0"

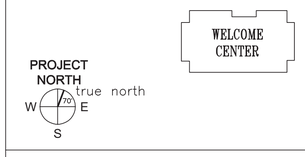


B **TYPE D4 - Typical Detail**
scale 6" = 1' - 0"



C **TYPE D4 - Typical Section**
scale 6" = 1' - 0"

PROJECT KEY PLAN



AECOM
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

SIGNATURE
_

ARCH. LIN. NUMBER
_

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	_
PROJECT MANAGER	_
DESIGNER	AECOM
CONSULTANT	_
PROJECT RESIDENT	_
CONTRACTOR	_
PROJECT COMPLETION DATE	_

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL V - PARKING AREA

SHEET NUMBER

SG111

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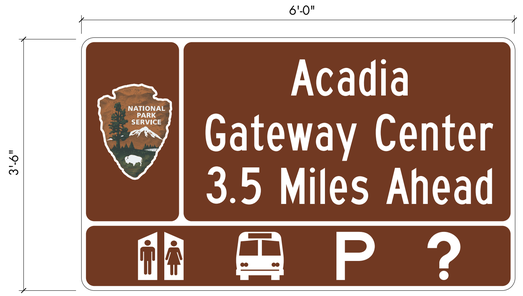
1 **TYPE B3 - Elevation**
scale 1/2" = 1' - 0"

2 **TYPE B3.1 - Type Detail**
scale 1" = 1' - 0"

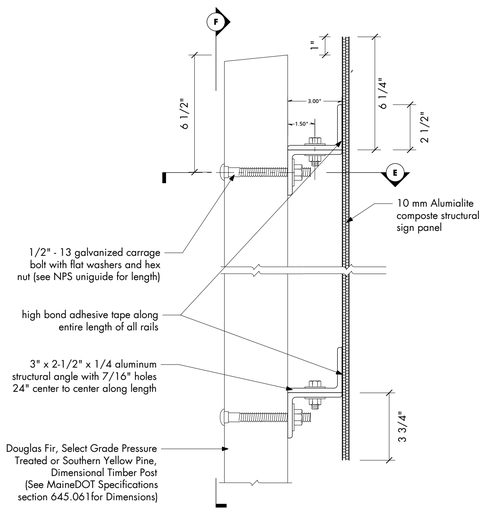
3 **TYPE B3.1 - Type Detail - Alt. Message**
scale 1" = 1' - 0"



4 **TYPE B3.2 - Type Detail**
scale 1" = 1' - 0"

NOTE

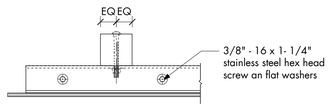
Final locations for all three approach signs on Route 3 need to be coordinated with the MaineDOT Region 4 Traffic Engineer. They can be reached at (207) 941-4500



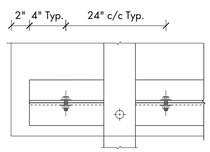
5 **TYPE B3 - Typical Detail**
scale 3" = 1' - 0"

Note:

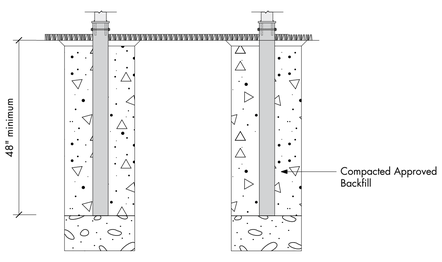
All wood posts and brackets shall be pressure treated to CCA 40. On wood posts, drill holes to meet breakaway standards - see MaineDOT Standard Details 645 (09).



E **TYPE B3 - Typical Detail**
scale 1 1/2" = 1' - 0"

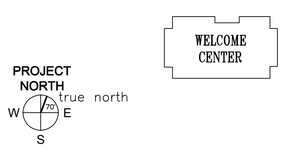


F **TYPE B3 - Detail**
scale 1 1/2" = 1' - 0"



6 **Typical Footing Detail all Post Mtd. Signage**
scale NTS

PROJECT KEY PLAN



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	-
DESIGNER	AECOM
CONSULTANT	-
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

SIGNATURE
-

ARCH. LIN. NUMBER
-

DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER
EXTERIOR SIGNAGE DETAIL VI - HIGHWAY

SHEET NUMBER
SG112

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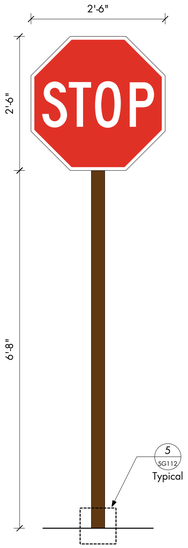
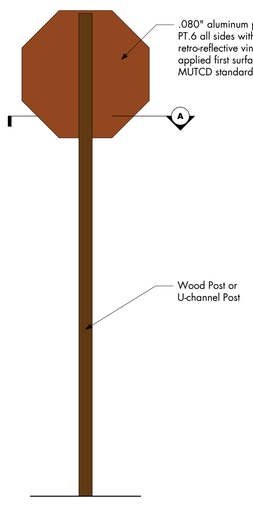
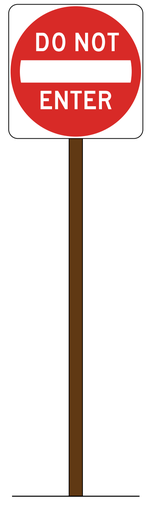


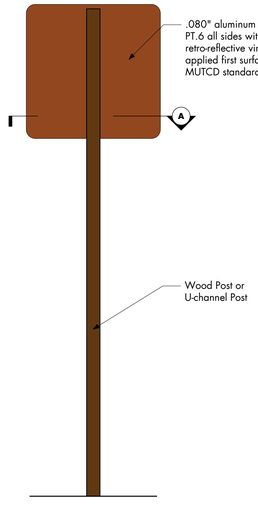
1 **TYPE D1 - Elevation**
scale 3/4" = 1' - 0"



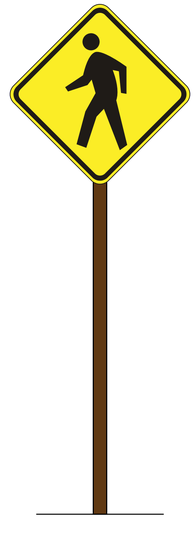
2 **TYPE D1 - Back Elevation**
scale 3/4" = 1' - 0"



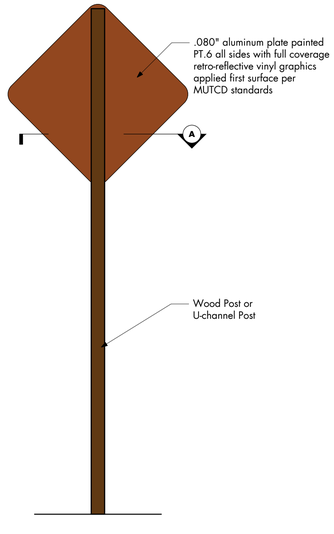
3 **TYPE D2 - Elevation**
scale 3/4" = 1' - 0"



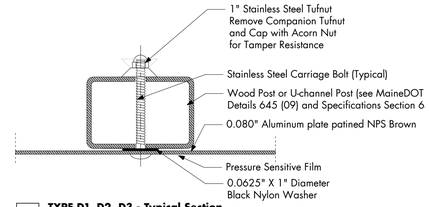
4 **TYPE D2 - Back Elevation**
scale 3/4" = 1' - 0"



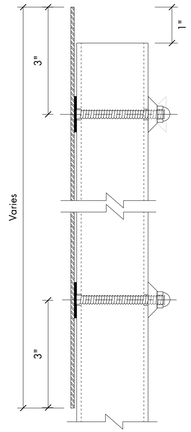
5 **TYPE D3 - Elevation**
scale 3/4" = 1' - 0"



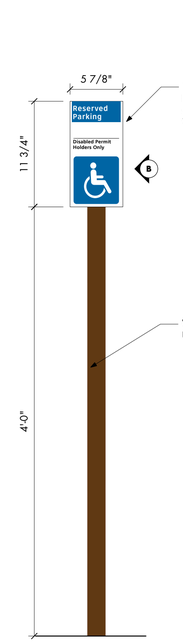
6 **Type D3 - Back Elevation**
scale 3/4" = 1' - 0"



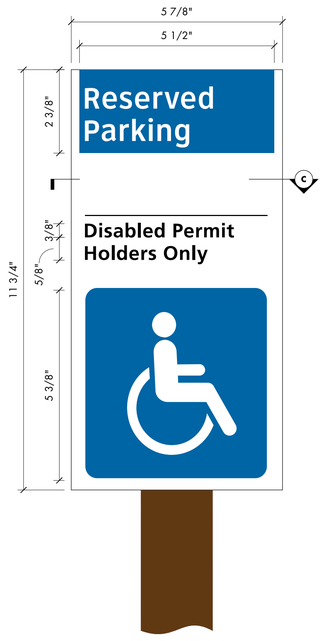
A **TYPE D1, D2, D3 - Typical Section**
scale 6" = 1' - 0"



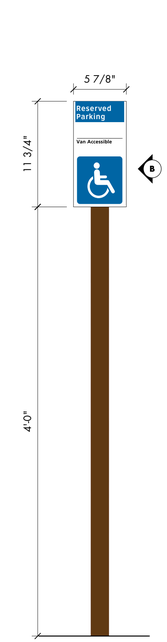
B **TYPE D1, D2, D3, D5, D6, D7 - Detail**
scale 6" = 1' - 0"



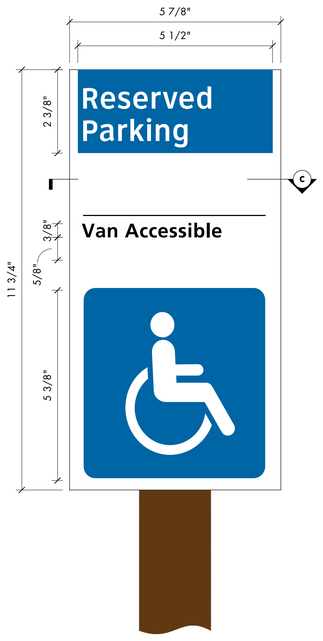
7 **TYPE D5 - Elevation**
scale 1 1/2" = 1' - 0"



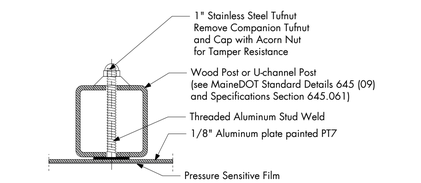
8 **TYPE D5 - Detail**
scale 6" = 1' - 0"



9 **TYPE D5 - Elevation**
scale 1 1/2" = 1' - 0"



10 **TYPE D5 - Detail**
scale 6" = 1' - 0"



C **TYPE D5, D6, D7 - Typical Section**
scale 6" = 1' - 0"

PROJECT KEY PLAN

AECOM
1 FEDERAL STREET, 8TH FLOOR
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617.723.1700
www.aecom.com

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

SIGNATURE
–

ARCH. LIN. NUMBER
–

DATE JANUARY 17, 2022

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL VII - REGULATORY AND PARKING ID

SHEET NUMBER
SG113

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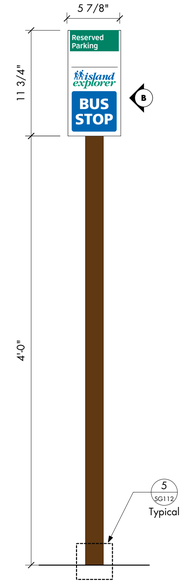
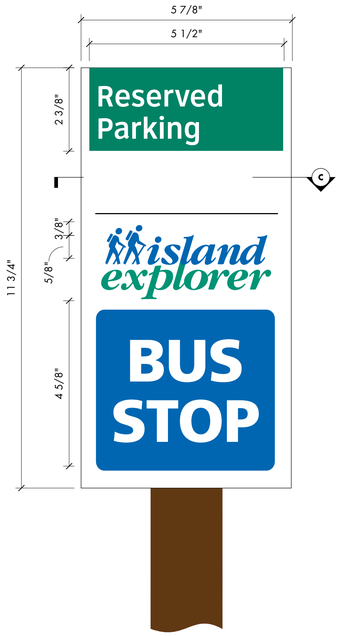
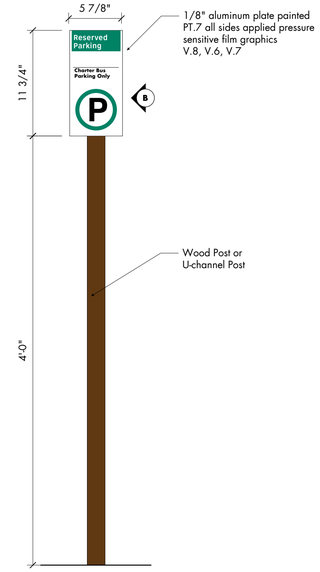


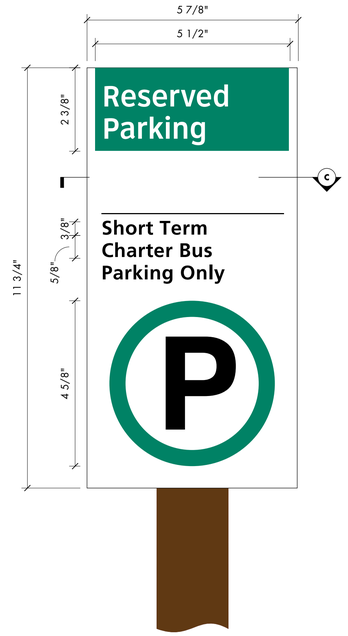
1 **TYPE D6.1 - Elevation**
scale 1 1/2" = 1' - 0"



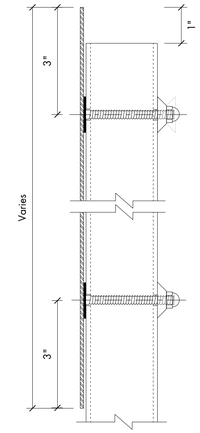
2 **TYPE D6.1 - Detail**
scale 6" = 1' - 0"



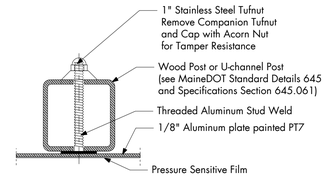
3 **TYPE D6.2 - Elevation**
scale 1 1/2" = 1' - 0"



4 **TYPE D6.2 - Detail**
scale 6" = 1' - 0"



B **TYPE D1, D2, D3, D5, D6, D7 - Detail**
scale 6" = 1' - 0"



C **TYPE D5, D6, D7 - Typical Section**
scale 6" = 1' - 0"

PROJECT KEY PLAN

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SIGNATURE

ARCH. LIN. NUMBER

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
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DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL VIII - PARKING ID

SHEET NUMBER

SG114

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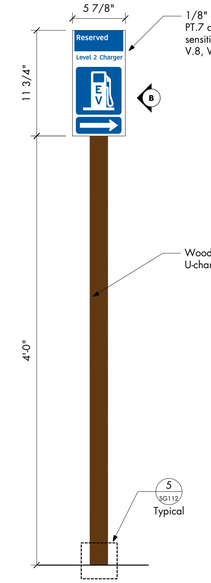
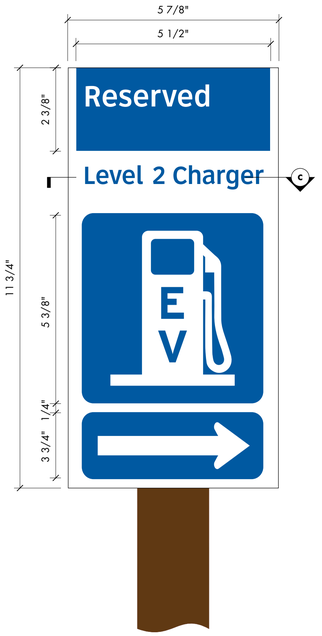
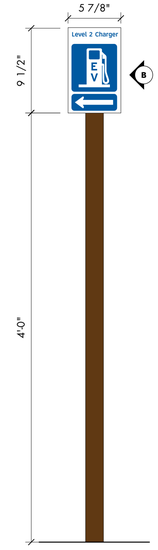


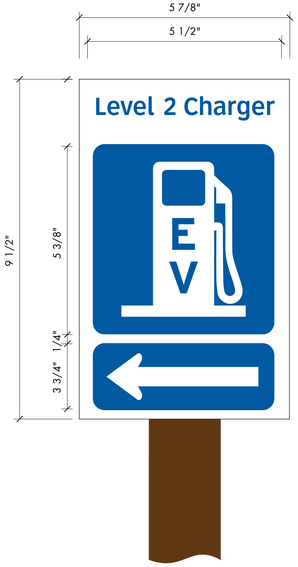
1 **TYPE D9.1 - Elevation**
scale 1 1/2" = 1' - 0"



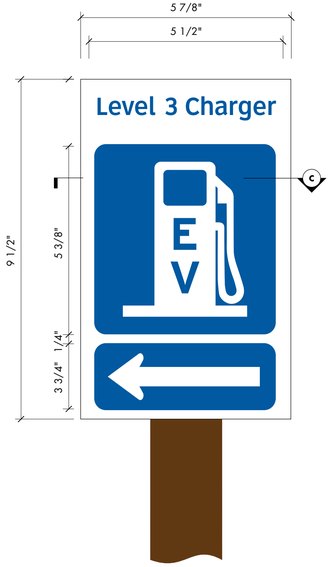
2 **TYPE D9.1 - Detail**
scale 6" = 1' - 0"



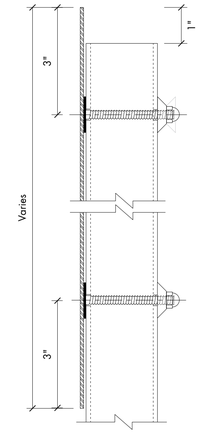
3 **TYPE D9.2 - Elevation**
scale 1 1/2" = 1' - 0"



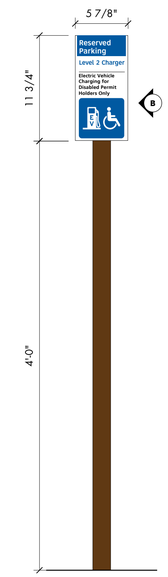
4 **TYPE D9.2 - Detail**
scale 6" = 1' - 0"



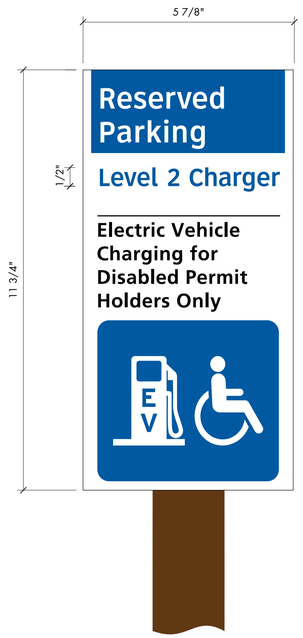
5 **TYPE D9.2 - Detail**
scale 6" = 1' - 0"



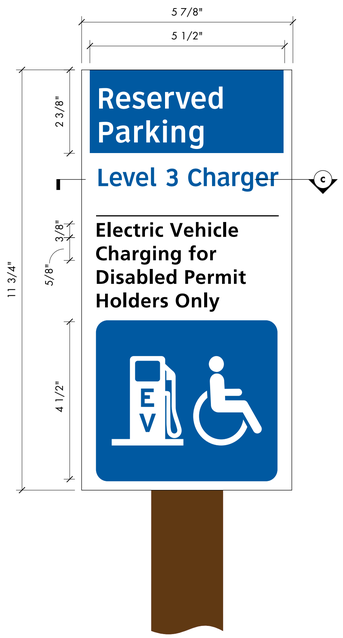
B **TYPE D1, D2, D3, D5, D6, D7 - Detail**
scale 6" = 1' - 0"



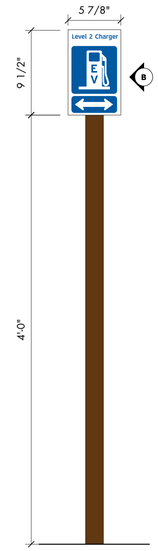
6 **TYPE D9.3 - Elevation**
scale 1 1/2" = 1' - 0"



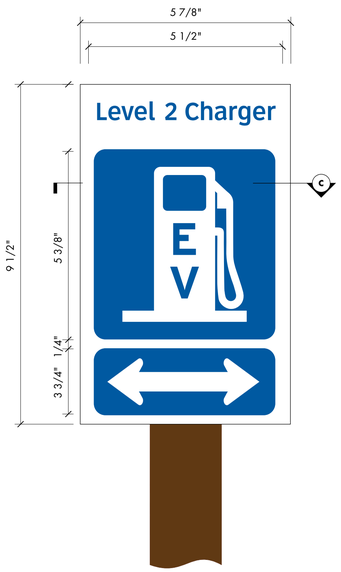
7 **TYPE D9.3 - Detail**
scale 6" = 1' - 0"



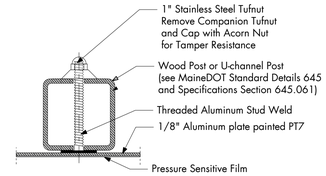
8 **TYPE D9.3 - Alt. Message**
scale 6" = 1' - 0"



9 **TYPE D9.4 - Elevation**
scale 1 1/2" = 1' - 0"



10 **TYPE D9.4 - Detail**
scale 6" = 1' - 0"



C **TYPE D5, D6, D7 - Typical Section**
scale 6" = 1' - 0"

PROJECT KEY PLAN

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

DATE

FED PIN NO: NA

WIN NO: 017163.02 & 017163.03

SIGNATURE

ARCH. LIN. NUMBER

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

EXTERIOR SIGNAGE DETAIL IX - PARKING ID

SHEET NUMBER

SG115

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1 **Location Plan Level 1**
scale 1/8" = 1'-0"

PROJECT KEY PLAN

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617.723.1700
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DEPARTMENT OF TRANSPORTATION

	DATE

FED PIN NO: NA
WIN NO: 017163.02 & 017163.03

PROJECT INFORMATION		
PROGRAM	–	SIGNATURE –
PROJECT MANAGER	–	
DESIGNER	AECOM	ARCH. LIN. NUMBER –
CONSULTANT	–	
PROJECT RESIDENT	–	DATE JANUARY 17, 2022
CONTRACTOR	–	
PROJECT COMPLETION DATE	–	

MAINE DEPARTMENT OF TRANSPORTATION
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INTERIOR SIGNAGE PLAN I - BASEMENT LEVEL

SHEET NUMBER
SG116

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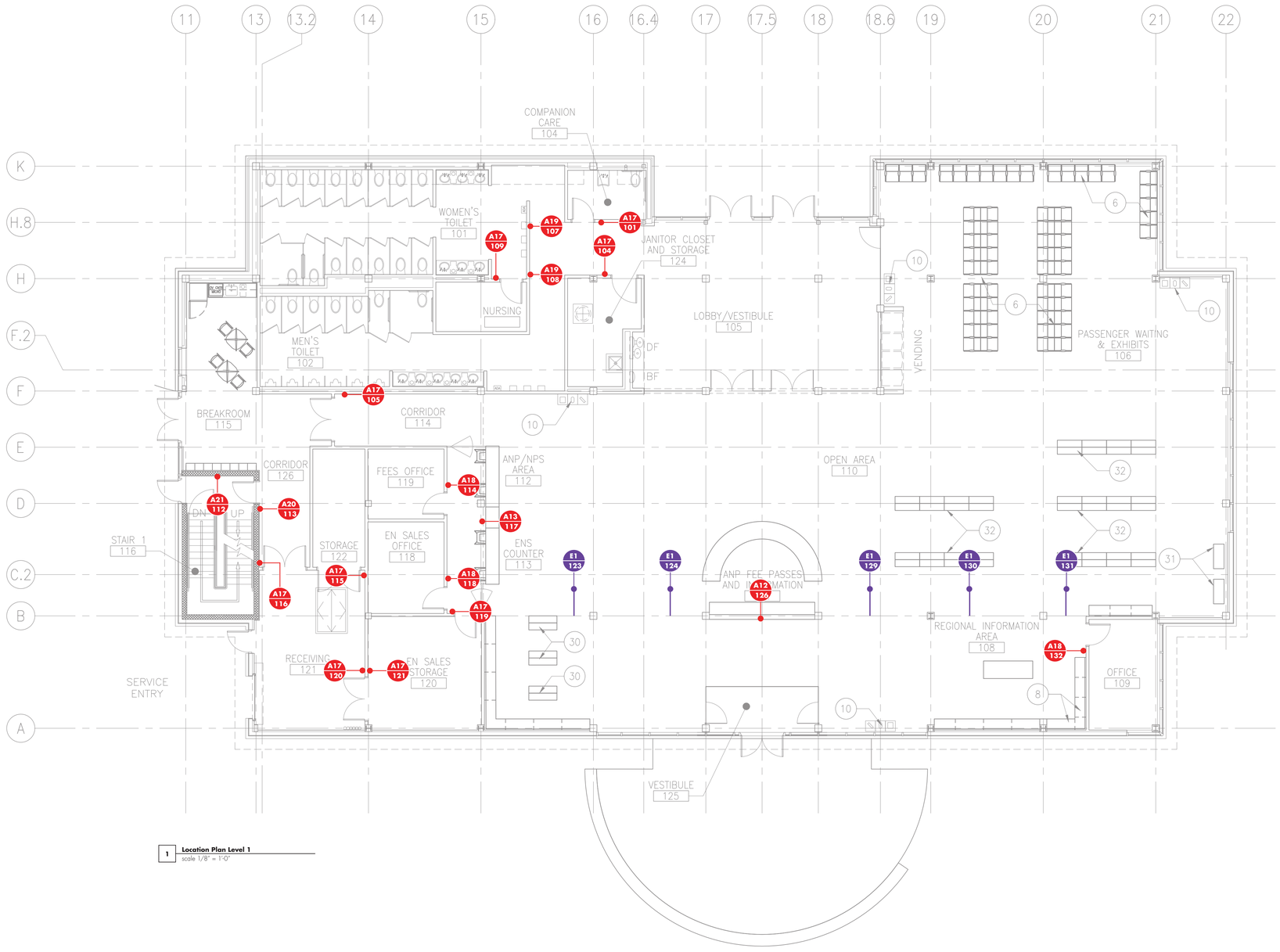

1 **Location Plan Level 1**
scale 1/8" = 1'-0"

PROJECT KEY PLAN

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ARCH. LIN. NUMBER
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DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	_
PROJECT MANAGER	_
DESIGNER	AECOM
CONSULTANT	_
PROJECT RESIDENT	_
CONTRACTOR	_
PROJECT COMPLETION DATE	_

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
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INTERIOR SIGNAGE PLAN II - FIRST LEVEL

SHEET NUMBER
SG117

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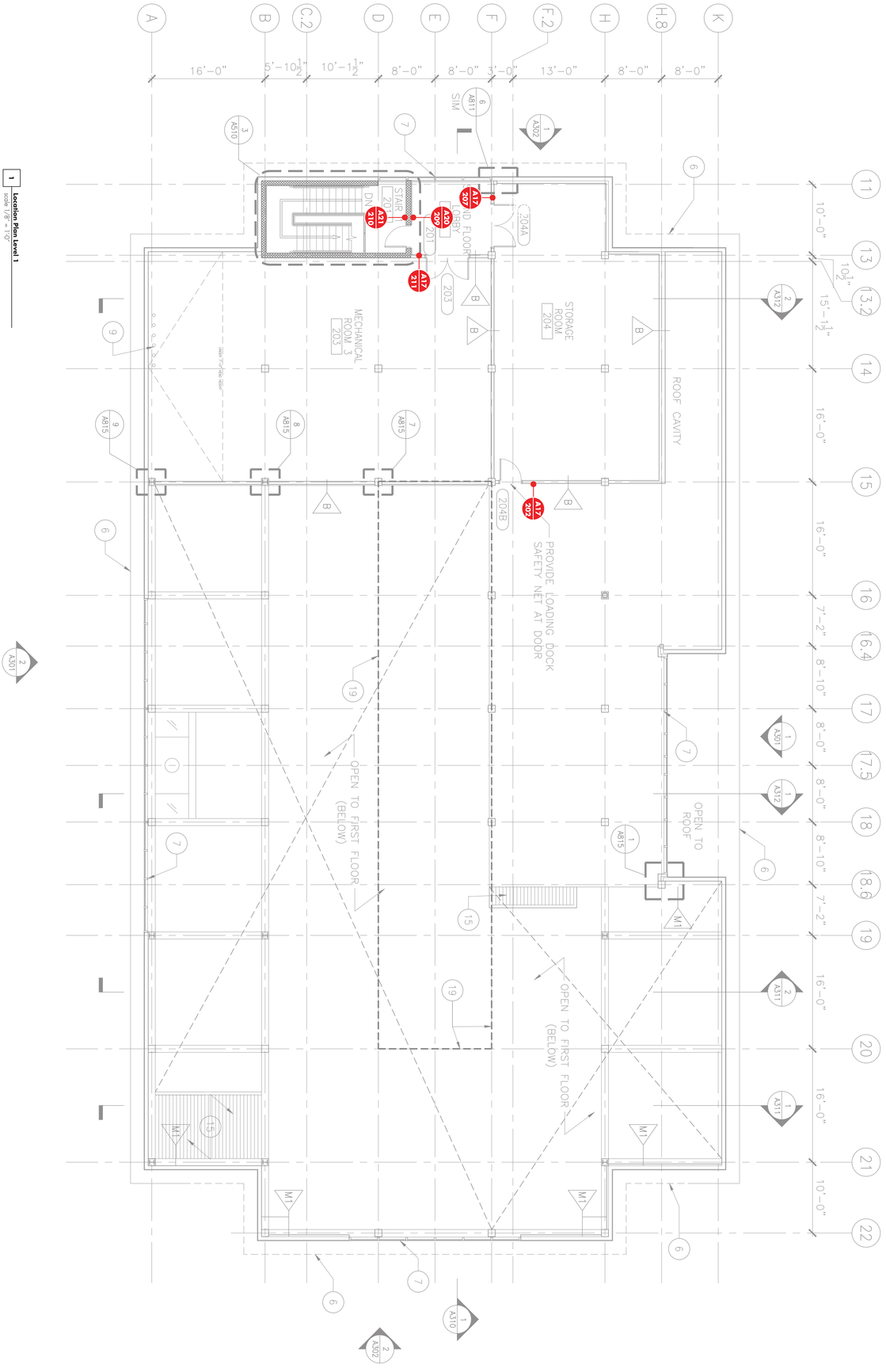

1 Location Plan Level 1
scale 1/8" = 1'-0"

PROJECT KEY PLAN

WELCOME CENTER

PROJECT NORTH
true north

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SG118

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

INTERIOR SIGNAGE PLAN III - SECOND LEVEL

PROJECT	INFORMATION
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

SIGNATURE
–

ARCH. LIN. NUMBER
–

DATE
JANUARY 17, 2022

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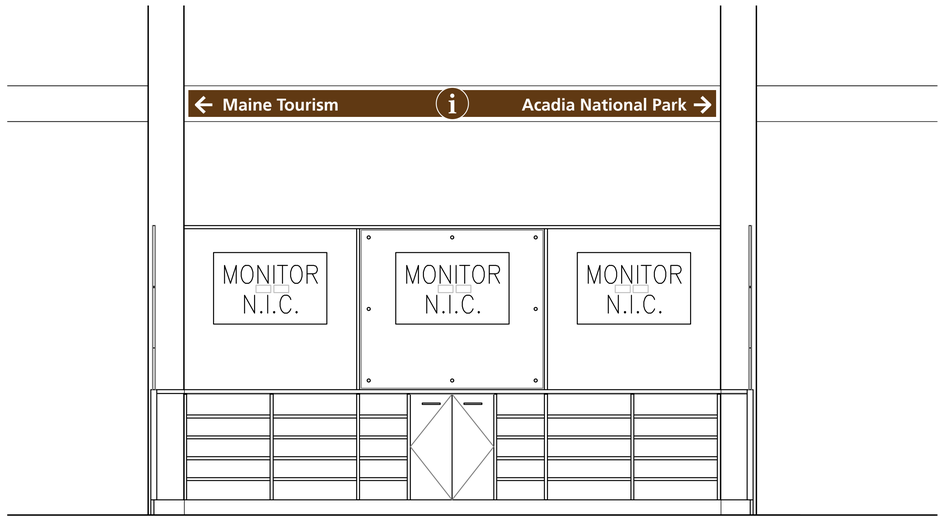
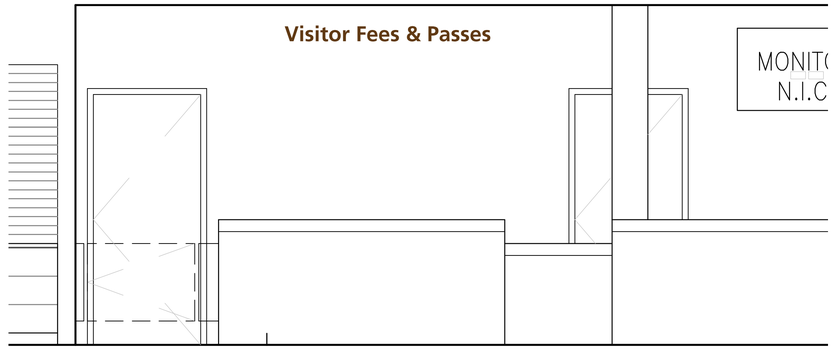
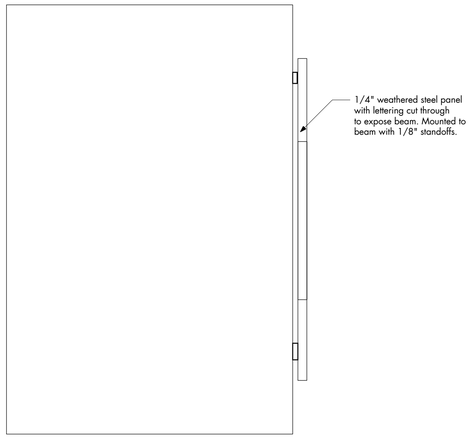
WIN NO: 017163.02 & 017163.03



1 **TYPE A12 - Context Elevation**
scale 1/2" = 1' - 0"

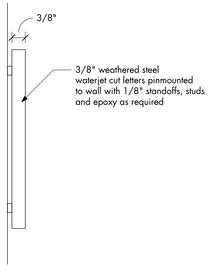


2 **TYPE A13 - Context Elevation**
scale 1/2" = 1' - 0"



A **TYPE A12 - End View**
scale 6" = 1' - 0"

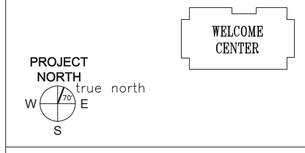
B **TYPE A12 - Type Detail**
scale 6" = 1' - 0"



C **TYPE A13 - End View**
scale 6" = 1' - 0"

D **TYPE A13 - Type Detail**
scale 6" = 1' - 0"

PROJECT KEY PLAN



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DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	_
PROJECT MANAGER	_
DESIGNER	AECOM
CONSULTANT	_
PROJECT RESIDENT	_
CONTRACTOR	_
PROJECT COMPLETION DATE	_

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

INTERIOR SIGNAGE DETAIL I - OVERHEAD IDENTIFICATION

SHEET NUMBER
SG119

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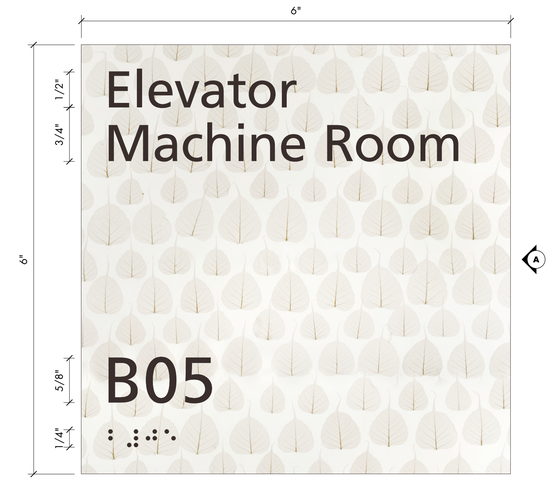
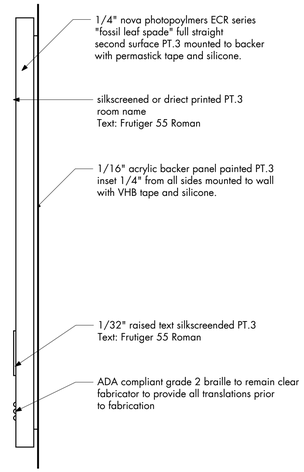
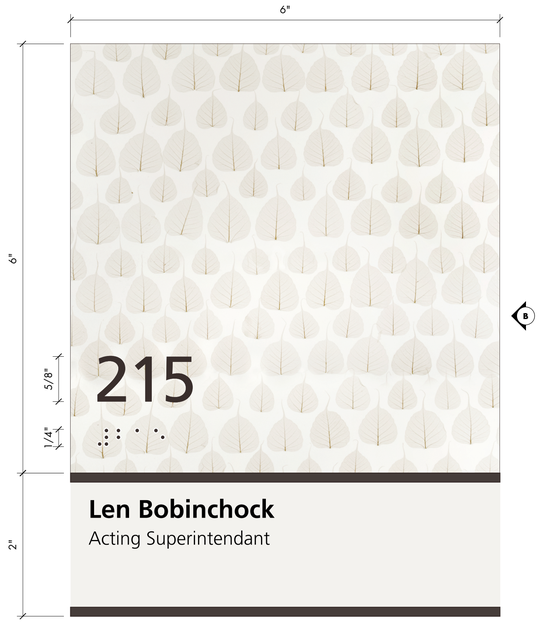


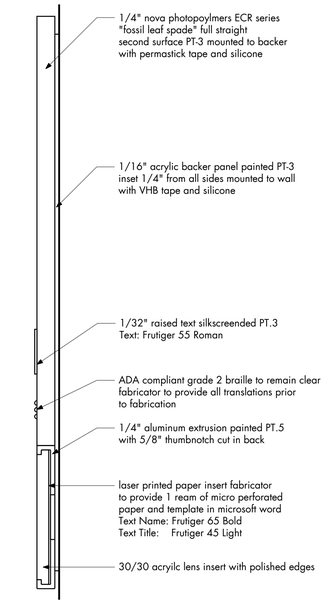
1 **TYPE A17 - Elevation**
scale Full Size



A **TYPE A17 - End View**
scale Full Size

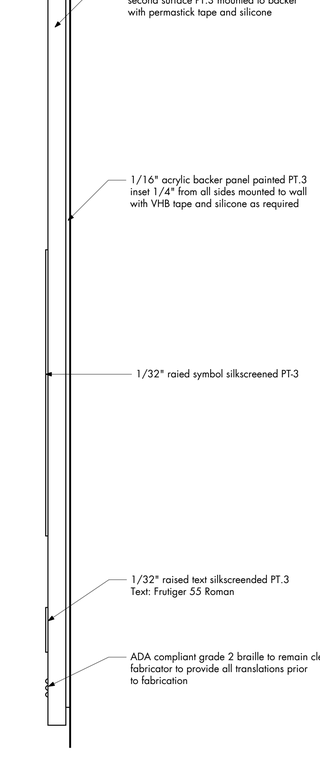


2 **TYPE A18 - Elevation**
scale Full Size



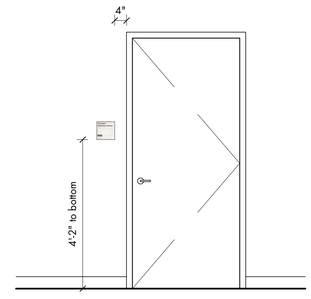
B **TYPE A18 - Elevation**
scale Full Size

4 **TYPE A19 - Elevation**
scale Full Size

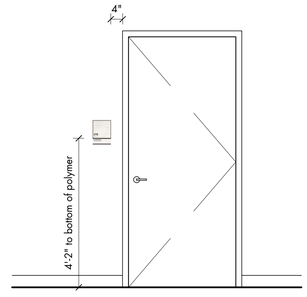


C **TYPE A19 - End View**
scale Full Size

5 **TYPE A19 - Alt. Message**
scale 6" = 1' - 0"

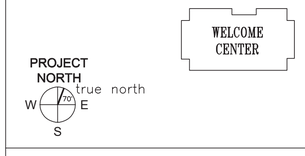


6 **TYPE A17, A19, A20 - Typ. Mounting Height**
scale 1/2" = 1' - 0"



7 **TYPE A18 - Mounting Height**
scale 1/2" = 1' - 0"

PROJECT KEY PLAN



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ARCH. LIN. NUMBER _

DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	–
PROJECT MANAGER	–
DESIGNER	AECOM
CONSULTANT	–
PROJECT RESIDENT	–
CONTRACTOR	–
PROJECT COMPLETION DATE	–

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

INTERIOR SIGNAGE DETAIL II - ROOM ID

SHEET NUMBER
SG120

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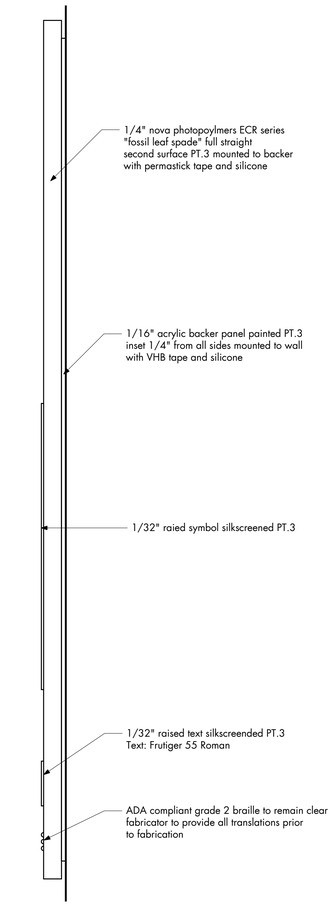
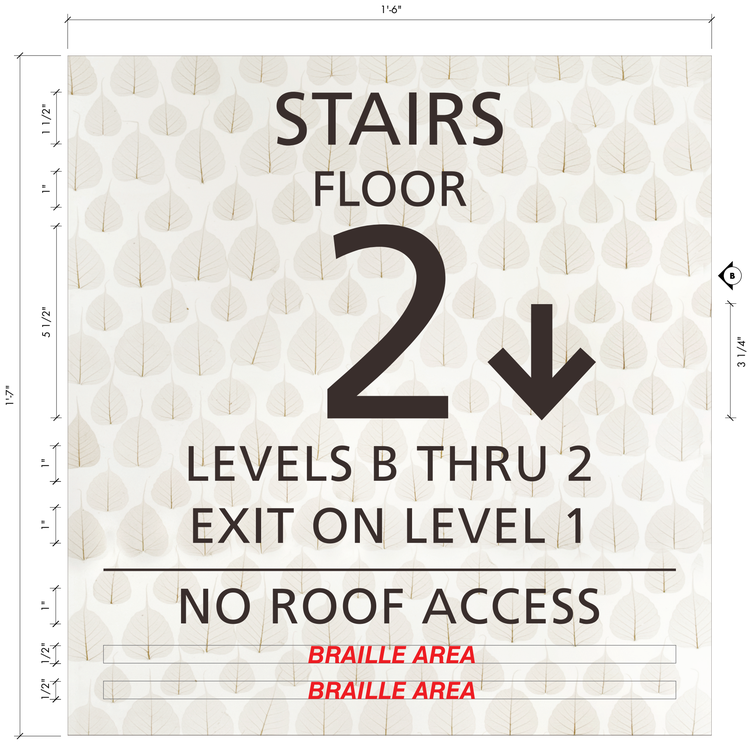
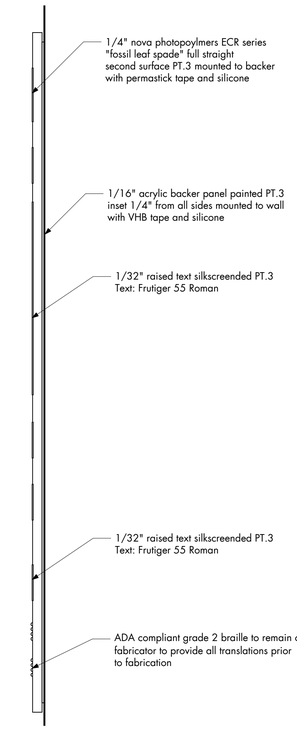
1 **TYPE A20 - Elevation**
scale Full Size



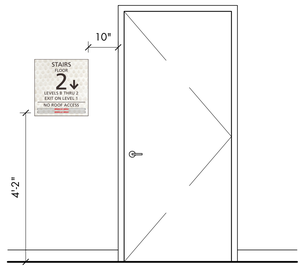
A **TYPE A20, D9 - Side Elevation**
scale Full Size



2 **TYPE A21 - Elevation**
scale 6" = 1' - 0"

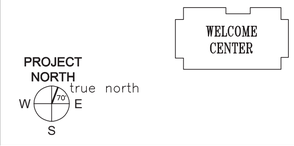


B **TYPE A21 - Side Elevation**
scale 6" = 1' - 0"



4 **TYPE A21 Typ. Mounting Height**
scale 1/2" = 1' - 0"

PROJECT KEY PLAN



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DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	_
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CONSULTANT	_
PROJECT RESIDENT	_
CONTRACTOR	_
PROJECT COMPLETION DATE	_

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
INTERMODAL AND WELCOME CENTER

INTERIOR SIGNAGE DETAIL III - ROOM ID

SHEET NUMBER
SG121

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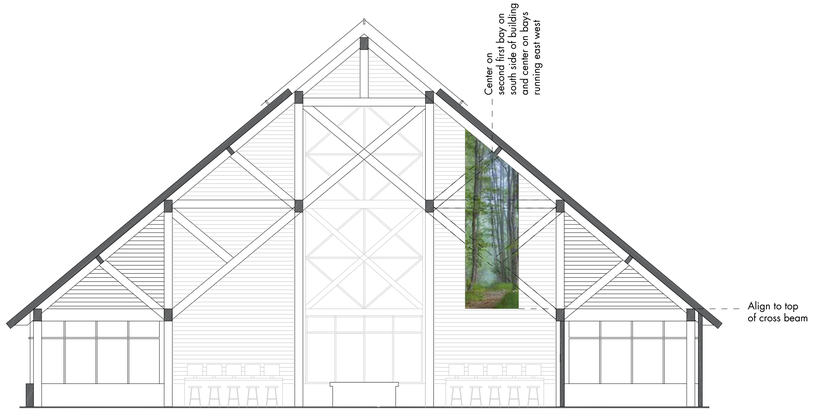
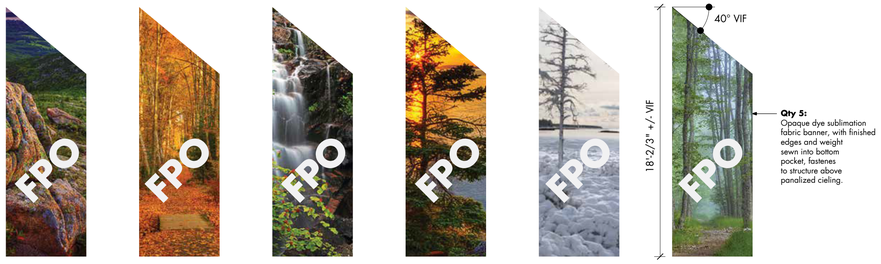
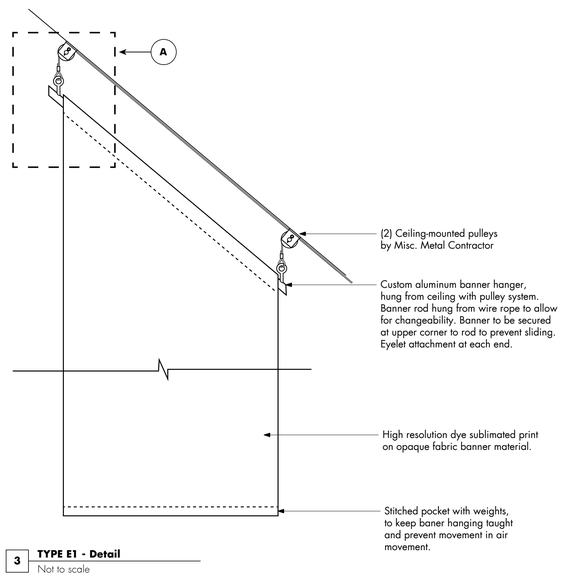


1 **TYPE E1 - Context Elevation**
scale 1/8" = 1' - 0"

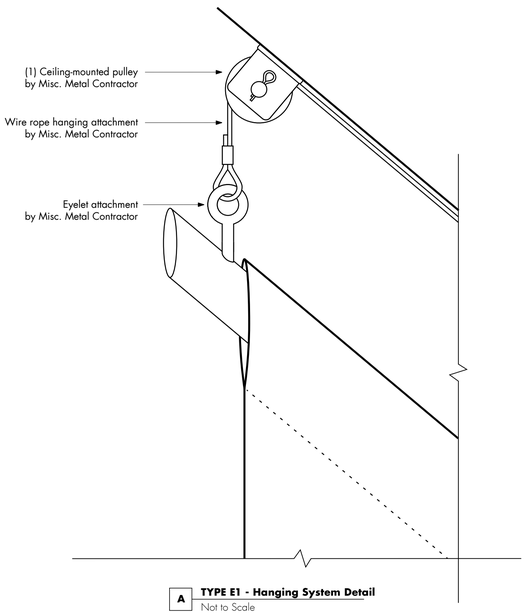


2 **TYPE E1 - Concept Imagery**
scale 3/16" = 1' - 0"

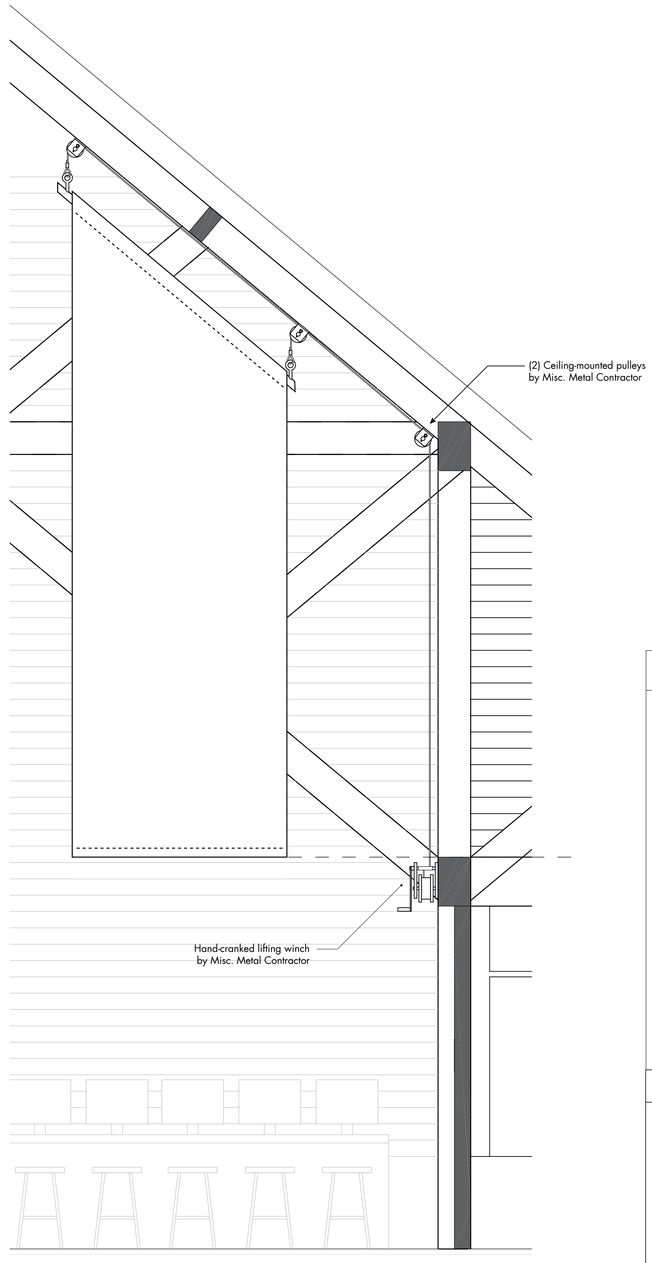
Note:
Final images to be provided by NPS as high resolution digital files, minimum 72 dpi at 100% scale.



3 **TYPE E1 - Detail**
Not to scale



A **TYPE E1 - Hanging System Detail**
Not to Scale



4 **TYPE E1 - Hanging System**
Not to scale

GENERAL NOTES

1. ALL HANGING SYSTEM COMPONENTS TO BE SIZED BY A MAINE-LICENSED ENGINEER.

PROJECT KEY PLAN

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CONSULTANT	–
PROJECT RESIDENT	–
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MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
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INTERIOR SIGNAGE DETAIL IV - ACOUSTIV BANNERS

SHEET NUMBER
SG122

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