



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0016

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

February 2, 2023  
Subject: Acadia Gateway  
State WIN: 017163.03  
Location: **Trenton**  
**Amendment No. 7**

Dear Sir/ Ms. :

Make the following changes to the bid documents:

In the bid book:

**Remove** from amendment six totaling seven pages Titled TABLE OF CONTENTS and **Replace** with the attached TABLE OF CONTENTS totaling seven pages.

**Remove** from amendment six Proposal Schedule of Items totaling twelve pages, dated 1/26/2023 and **Replace** with the attached Proposal Schedule of items totaling thirteen pages dated 2/1/2023.

**Remove** Special Provision 502-STRUCTURAL CONCRETE (QC/QA acceptance Methods) totaling one page, and **Replace** with the attached SPECIAL PROVISION SECTION 502 STRUCTURAL CONCRETE (QC/QA acceptance Methods) totaling three pages.

**Remove** pages fifteen to sixteen titled SPECIAL PROVISIONS SECTION 605 – UNDER DRAINS totaling two pages and **Replace** with the attached SPECIAL PROVISIONS SECTION 605 – UNDER DRAINS.

**Remove** from amendment one SECTION 643 TRAFFIC SIGNALS and **Replace** with the attached SECTION 643 TRAFFIC SIGNALS.

**Remove** pages four hundred and sixty-one to four hundred and sixty-seven titles SECTION 05 51 13 METAL PAN STAIRS totaling seven pages and **Replace** with the attached SECTION 05 51 13 METAL PAN STAIRS totaling seven pages.

**Remove** pages five hundred and eighteen to five hundred and twenty three titled SECTION 06 20 23 INTERIOR FINISH CARPENTRY totaling six pages and **Replace** with the attached SECTION 06 20 23 INTERIOR FINISH CARPENTRY totaling six pages.

**Insert** SECTION 11 11 36 vehicle charging equipment totaling twenty pages.

In the plan set

**Remove** page C103 CIVIL SITE PLAN -WEST and **Replace** with the attached C103 CIVIL SITE PLAN -WEST

**Remove** page C 203 UTILITY PLAN – WEST from amendment three totaling one page and **Replace** with the attached C203 UTLITY PLAN – WEST totaling one page

**Remove** page C 501 ROUTE 3 FLASHING BEACON PLAN and **Replace** with the attached C 501 ROUTE 3 FLASHING BEACON PLAN

**Remove** page A101 SITE PLAN and **Replace** with the attached A101 SITE PLAN

**Remove** page A202 FIRST FLOOR PLAN and **Replace** with the attached A202 FIRST FLOOR PLAN

**Remove** page A613 MEZZANINE FINISH FLOOR PLAN and **Replace** with the attached A613 MEZZANINE FINISH FLOOR PLAN

**Remove** page A801 ROOM FINISH SCHEDULE and **Replace** with he attached A801 ROOM FINISH SCHEDULE

**Remove** page EP500 Power Rider Diagram and **Replace** with the attached EP500 Power Rider Diagram

**Remove** page ES100 ELECTIRCAL SITE PLAN PART PLAN WEST and **Replace** with the attached ES100 ELECTIRCAL SITE PLAN PART PLAN

**Remove** page GA001 DRAWING INDEX and **Replace** with the attached GA001 DRAWING INDEX

**Remove** page A103 EV CHARGING ENCLOSURE and **Replace** with the attached A103 EV CHARGING ENCLOSURE

**Remove** page A104 EV CHARGING ENCLOSURE PLAN AND DETAILS and **Replace** with the attached A104 EV CHARGING ENCLOSURE PLAN AND DETAILS

**Remove** page A603 MEZZANINE REFLECTED CEILING PLAN and **Replace** with the attached A603 MEZZANINE REFLECTED CEILING

**Remove** page A612 FIRST FLOOR FINISH FLOOR PLAN and **Replace** with the attached A612 FIRST FLOOR FINISH FLOOR PLAN

**Remove** page A703 ENLARGED PLANS III and **Replace** with the attached A703 ENLARGED PLANS III

**Remove** page A710 ROOM ELEVATIONS I and **Replace** with the attached A710 ROOM ELEVATIONS I

**Remove** page A712 ROOM ELEVATIONS III and **Replace** with the attached A712 ROOM ELEVATIONS III

**Remove** page A715 ROOM ELEVATIONS VI and **Replace** with the attached A715 ROOM ELEVATIONS VI

**Remove** page A721 MILLWORK II and **Replace** with the attached MILLWORK II

**Remove** page A803 DOOR, DOOR FRAME AND LOUVER ELEVATIONS and **Replace** with the attached A803 DOOR, DOOR FRAME AND LOUVER ELEVATIONS

**Remove** page A816 SECTION DETAILS I and **Replace** with the attached A816 SECTION DETAILS I

**Remove** page A823 CURTAINWALL ELEVATIONS IV and **Replace** with the attached A823 CURTAINWALL ELEVATIONS IV

**Remove** page A 830 PARTITION TYPES I and **Replace** with the attached A 830 PARTITION TYPES I

**Remove** page A831 PARTITION TYPES II AND DETAILS and **Replace** with the attached A831 PARTITION TYPES II AND DETAILS

**Remove** page SG107 EXTERIOR SIGNAGE DETAILS – GATEWAY WELCOME SIGNS and **Replace** with the attached SG107 EXTERIOR SIGNAGE DETAILS – GATEWAY WELCOME SIGNS

The following questions have been received

**Question:** Will the River Stone around the building perimeter be paid under bid item 610.21?

**Response:** Yes. The river stone is used for the building drip edge and parking lot areas.

See also:

- Specifications: Site Improvements 32 30 00-11 Section 2.5 and 3.8
- Plans: Landscape Details Sheet L301

**Question:** Will mulch for areas seeded under 618.2 be paid for separately?

**Response:** Yes. Mulch will be paid for under Item 619.12 Mulch, which will be added to the Schedule of Items in addition to Item 618.14 Seeding Method 2. Areas to be mulched and seeded will be directed by the Resident Engineer.

**Question:** Where will item 618.2 Annual Rye Grass Seed, 200 LBS be used onsite?

**Response:** No specific areas are designated for Annual Rye Grass Seed. The Annual Rye Grass Seed item may be required for short term erosion control on exposed areas of the site before permanent seeding or planting. Areas to be mulched will be directed by the Resident Engineer.

**Question:** Will the River Stone in the parking lot be paid under bid item 610.21?

**Response:** Yes. The river stone is used for the building drip edge and parking lot areas.

See also:

- Specifications: Site Improvements 32 30 00-11 Section 2.5 and 3.8
- Plans: Landscape Details Sheet L301

**Question:** We cannot find a spec of EV Chargers, are EV chargers provided by owner and wired by electrician? If not, and to be provided by contractor can a spec be given?

**Response:** The EV chargers shall be provided by the Contractor. EV Spec section and updated drawings are provided as part of Amendment #7.

**Question:** What is the finish of the timber frame to be? Rough sawn, raw Douglas fir, or dressed

**Response:** Section 061323 Heavy Timber Construction, 2.01B covers Timber Species and Grade.

Section 061323 Heavy Timber Construction, 2.03B covers Fabrication requirements.

**Question:** Also, please confirm no stain, paint, finish is to be used on timber frame

**Response:** Provide end sealer and penetrating sealer per 061323. There is no stain or paint.

**Question:** Related to the PV system: can the DV disconnect be part of the inverter? This is typical but not defined here. The ac system is size is 57KW. Is this based on a specific inverter? We would use a 62.5 KW for this system requiring and 80 amp breaker.

**Response:** The documents show only the point of connection (disconnect) at the facility to the PV system. The disconnect should be isolated from the PV system equipment.

The PV system itself is a delegated design and should be in accordance with the performance spec (PS) submitted. The PS is for a minimum of 57kW. A 100A breaker and code sized conductors are shown on the design drawings. The design will accommodate 62.5kW at 125% of the full load amps.

**Question:** Is the panel layout and size based on a specific module? Racking and panels, black or clean anodized frames? We cannot see location of PV controller/Combiner equipment on the elevations. Please locate on/in the building.

**Response:** The PV system is a delegated design based on the performance spec. The design drawings show the information needed for a code-compliant and functional PV system. The location of all PV equipment should be as determined by the installer and provided to the EOR for input and/or acceptance. Layout and size per documents and to meet specifications. Clean anodized frames.

**Question:** Is the PV system supplied and installed by the owner/owner's contractor?

**Response:** PV system is delegated design. It should be supplied and installed by the Contractor to meet the performance specifications.

**Question:** Please confirm the project will be sales tax exempt and that the owner will be able to issue a state sales tax exempt certificate.

**Response:** Yes the project will be sales tax exempt.

**Question:** Please provide representative images and specifications that accurately describe the veneer to be used for the building. It's not clear comparing the section views on the plans and specifications what the owner is requiring.

**Response:** Specifications for the exterior veneer were provided in Amendment #6.

**Question:** Specification 01 41 00 1.06 A states, "If material requiring Special Inspections are fabricated in a plant not within 100 miles of the project site, Construction Manager shall be responsible for travel expenses of Special Inspector or Testing/Inspecting Agency." Reviewing Attachment A, Special Inspection Schedules it appears the only requirement for offsite fabrication inspections is periodic for the structural fabrication of diaphragms and continuous inspection for structural welding.

It is not reasonable for the Contractor to determine what the travel expenses and durations will be for the Owners Special Inspector or Testing/Inspection Agency. Please consider removing this language.

**Response:** This language was removed in Amendment #6.

**Question:** Drawing A816 detail 2,3,4 & 8 indicate a stone interior sill. It is graphically shown smooth with a bullnose. The specified stone is rough. Please confirm the sill material and its finish

**Response:** This information was provided in Amendment #6.

**Question:** Will the Special Inspector and Testing/Inspecting Agency retained by the Owner also conduct the sampling/inspections listed in Specifications 01 41 00 sub part 1.04. E. 1 thru 6? Clarification is needed on responsibilities of the Contractor vs. Owner's Special Inspector.

**Response:** The Contractor will be responsible for E.2 and E.3 and needs to follow Field Quality Control of Section 03 30 00. Contractor will perform testing of E.4 and E.5. Under E.6 if other specification sections required field testing or other testing then the Contractor will be responsible for them. The MaineDOT will be responsible for E.1 and will be performing Quality Assurance Testing as needed, which does not replace contractor testing.

**Question:** Drawing a816 detail 2,3,4, & 8 indicate a stone interior sill. It is graphically shown smooth with a bull nose. The specified stone is rough. Please confirm the sill material and its finish

**Response:** This information was provided in Amendment #6.

**Question:** Sign type C2: Note says “Variable message displayed by others” is this sign type to be carried by the signage contractor, or is the owner responsible?

**Response:** The Contractor should expect to receive digital files only from the NPS and then the Contractor will be responsible for having the signs printed/made and installed.

**Question:** Will the signage program follow the specifications outlined in the document, or the NPS uniguide standards for signage which were developed in 2002? In those standards, it’s fairly clear the signage needs to be purchased from unicorn, or a “master private sector contractor”. Can you confirm this is the case, or if signs can be indeed fabricated by and purchased from a local sign manufacturer?

**Response:** The signs can be purchased from a local sign manufacturer.

**Question:** Sign type A6, Detail D (SG109), shows an NPS Standard F Extrusion” will modifications to this be allowed?

**Response:** Modifications are allowed as long as they meet the design intent in the drawings and specifications.

**Question:** Plan Sheet A202 indicates a total of 54 EA seats for the public in Room 106. Spec section 12 60 00 indicates 60 EA seats for the Public in Room 106. Please clarify the number of seats required for the public in Room 106.

**Response:** A total of 60 EA seats are required per spec section 12 60 00 and drawing A206. A202 has been updated in Amendment #7 to reflect this.

**Question:** What constitutes the building area for lump sum work?

**Response:** The quantity for Common Excavation was revised to 10,355 CY in Amendment #6. As stated in previous amendments, excavation within the exterior building wall (the exterior building wall is shown on the civil plans) is to be included in the building lump sum. The splay for the foundation excavation outside of the building exterior wall shall be included in common excavation. See responses to previous RFIs and the revised special provisions Section 203 issued as part of Amendment #6.

**Question:** Please provide more specifications for pre-insulated ductile iron pipe for pricing

**Response:** The pre-insulated ductile iron piping are to be 4" and 6" pipe stubs used to connect the outlet control valve for the stormwater basins.

**Question:** Is it required for the contractor to grub a two foot depth under all site improvements or only the building? If grubbing under all site improvement, how will this be paid for?

**Response:** Unit paving areas have a minimal cross-sectional depth of 2 ft. The landscape areas have the minimum depths of loam noted on sheet L201. If it is not incidental to the specific activity/area then it will be paid for under Item 203.20 Common Excavation. As stated in the Geotechnical Report, the materials of the top two (2) feet are unsuitable and should be removed prior to any fill construction. This applies to all site improvements, with the exception of the area within the building footprint (to be included in the building lump sum). Grubbing shall be paid for under item 203.20 Common Excavation.

**Question:** We anticipate more than 720 CY please confirm this quantity

**Response:** This quantity is the common excavation required for the splay outside of the exterior foundation wall of the building and does not include excavation for elements inside the building footprint shown on the Civil Plans (excavation for the basement, any interior foundation elements, and splays are not included). See response to previous question about what constitutes building area lump sum work.

**Question:** How will earthwork for the EV building be paid?

**Response:** Earthwork for the EV building will be paid for under Common Excavation and the crushed stone backfill shall be paid for under Selected Granular Material.

**Question:** A 612 indicates T-2 tile in kitchen 115 and entry. A614 does not list a T-2 tile (only T-1 & T -3). The spec does not select a product. A612 legend indicates tile size but no brand/style/size/ color for these two rooms.

**Response:** T-2 is no longer in the project. A612 has been updated in previous amendments to reflect this.

**Question:** Details on A517 state "4" thick reinforced concrete landing on metal pan", but they do not indicate any metal pans for the concrete landings. Please confirm the Delegated Design Engineer for the stairs is to determine the thicknesses for the metal pans and concrete stair landings in their design.

**Response:** The delegated design engineer is responsible for the stairs, railings, and landings. The thicknesses for metal pans and reinforced concrete landings should be finalized by the delegated design engineer.

**Question:** Amendment #5 is incomplete. The below paste is from the amendment indicating spec section 08 80 00 and 26 31 00 are to be replaced with a new spec.

08 80 00 is only 3 pages and 26 31 00 was not included in amendment 5.

Also, 06 20 23 interior finish carpentry was given, but there is no changes to it. It is identical to the original spec.

**Remove** pages seven hundred and seventeen to seven hundred and thirty totaling fourteen pages titled SECTION 08 80 00 GLAZING, and **Replace** with the attached SECTION 08 80 00 Glazing totaling fourteen pages

**Remove** pages one thousand three hundred and eighty-four to one thousand three hundred and eighty-seven titled SECTION 26 31 00 titled PHOTOVOLTAIC collectors totaling five pages and **Replace** with the attached SECTION 26 31 00 totaling five pages

Please supply corrected spec sections

**Response:** Corrected versions of the specs were supplied in Amendment #6.

**Question:** On sheet C501, have the concrete foundations for the four steel poles with mast arms been poured, with those engineering requirements accounted for? If so, what is the bolt pattern for the steel poles? These bolt patterns are typically specific to the specified poles. Have the poles been specified?

**Response:** The bolt pattern for the steel poles will have to be verified in the field.

**Question:** On sheet C501, are all of the 3" conduits in place? The sheet shows the short runs of conduits from the pull boxes to the steel poles in dark ink. Does that indicate that they still have to be run?

**Response:** To our knowledge, these conduits are not in place. Conduit from the pull boxes to the steel poles shall be incidental to item 643.60 - Flashing Beacon at Gateway Drive/Bar Harbor Road Intersection unless otherwise specified in the Division 26 specifications.

**Question:** On sheet C501, will the flasher cabinet be mounted on the backside of the meter pedestal?

**Response:** The cabinet shall be a MaineDOT ATC Cabinet with the flashing equipment and detection inside the cabinet. The meter would be mounted on the outside of the cabinet. See revised Sheet C501.

**Question:** Please provide details on the traffic cabinet to control the flashing beacon. Is this to be a MaineDOT ATC Cabinet or a cabinet designed to flash the signals only? Is the video detection to be set up for counting purposes only?

**Response:** The cabinet shall be a MaineDOT ATC Cabinet with the flashing equipment and detection inside the cabinet. The meter would be mounted on the outside of the cabinet. See revised Sheet C501. The video detection is to be setup for counting only.

**Question:** Addendum 005 states there are 14 pages of a new 08 80 00 Glazing Spec. Only 3 were included.

**Response:** This was corrected as part of Amendment #6.

**Question:** Addendum 005 states there are 5 pages of a new 26 31 00 Photovoltaic Spec. None were included.

**Response:** This was corrected as part of Amendment #6.

**Question:** Addendum 005 states there are 8 pages of a new 06 20 23 Interior Finish Carpentry Spec. Only 6 were included.

**Response:** That was a typo. There should only be 6 pages of spec 06 20 23 Interior Finish Carpentry.

**Question:** Since BABA does not apply to this project, does FHWA's 1983 final Buy America regulations apply?

**Response:** The provisions for Buy America for FTA prior to BABA are according to the Fast Act. Code of Federal Regulations: title 49, section 661

**Question:** Are interior window sills to be stone, quartz, or solid surface? What type/brand style?

**Response:** The sills shall be stone per spec section 047000-stone masonry veneer and was updated in amendment 6.

**Question:** Amendment 005 included a revised Special Provision for Section 502 Structural Concrete (QC/QA Acceptance Methods). Method of Measurement and Basis of Payment include language for new concrete pay items. Of the seven items listed only 502.342 Roadway Truck Apron is included on the revised bid form. Please revise and provide a new bid form for all the new items.

**Response:** Revised Schedule of Items is being issued as part of this amendment that includes all concrete items.

**Question:** Will directional drilling be required for the 2.5 inch Sewer Force Main where it crosses the existing roadway?

**Response:** Sheet C203 has been revised to route the proposed 2.5" force main around the existing traffic circle.

**Question:** Please define the pay limits for the excavation that is to be paid under 203.2 Common Excavation for the Building Foundation.

**Response:** The quantity for Common Excavation was revised to 10,355 CY in Amendment #6. As stated in previous amendments, excavation within the exterior building wall (the exterior building wall is shown on the civil plans) is to be included in the building lump sum. The splay for the foundation excavation outside of the building exterior wall shall be included in common excavation. See responses to previous RFIs and the revised special provisions Section 203 issued as part of Amendment #6.

**Question:** The AHU schedule on drawing MH600 indicated the VFD for these units is to be supplied by DIV23 spec section 23 73 14. H.1 indicates there will be a factory mounted VFD. Please Clarify

**Response:** No field installed VFD's are required for the units. The Spec calls for ECM Motors for the air handling units. The intent is that the air handling units include all components necessary for fan speed control as noted both on the drawing schedule and in the specifications. The units are to have single point power connections for everything except the lights, which have a separate 120 volt feed.

**Question:** Amendment 005 Special Provision 01 40 00 Quality Assurance Section 1.9. Quality Control added item 7, "Throughout the various Specifications Sections any reference to the Owner performed testing and responsibility of costs should be deleted and changed to the Contractor's responsibility." Is the Contractor now required to hire the Special Inspector and Testing/Inspection Agency noted under 01 41 00?

**Response:** See previous question response.

**Question:** Contract Plan Sheet FX001 note 5. states, "Water storage tank shall be designed and installed by others...". Who is "by others"? If this is to be designed by the Contractor and cast-in-place as noted in other RFI responses please provide all dead loads and live loads that will be applied to this tank due to its location under the building. Or, we rather request this tank be designed by the owner and provided to all bidders showing wall thicknesses, reinforcing details, and concrete PSI requirements prior to bid.

**Response:** Water storage tank shall be paid for under 802.2011. Special provision 502 has been updated in Amendment #7 and provides information on the tank.

**Question:** Special Provisions 01 73 00 Paragraph 3.3.B. 6. is stating that a land surveyor or professional engineer shall check the location, level and plumb, of every major element as the Work progresses. Please confirm that the major elements of the work for the building is the concrete foundation and timber framing, and that once these elements are in place and checked the remaining building elements can be checked by other quality control services that don't have to be land surveyors or professional engineers.

**Response:** The major elements of the work shall include the concrete foundation, timber framing, as well as any load bearing walls. These should be checked by a surveyor. Remaining elements can be checked by other quality control services.

**Question:** The bottom Q&R on page 12 of 102 for Addendum 05 states that the area between 15-18.6, F-k shall be exposed, fire-treated plywood, as per the Structural Drawings, and also that Finish Plan A613 has been updated to reflect this change. Updated plan sheet A613 indicates Flooring FL-3 for H.8-K 13-15. This Flooring would mean that there is no 2" Topping Concrete in this area, which is in conflict with what is shown on SF101. Please confirm whether the area H.8-K, 13-15 receives a 2" Topping Concrete. If so, please confirm the correct Floor Finish for this area.

**Response:** The area H.8-K, 13-15 should receive a 2" Topping Concrete, per the structural drawing SF101. A613 has been updated in Amendment 7 to reflect this.

**Question:** Detail 2 on A103 shows a Louver in the E wall of the EV Charging Enclosure. Detail C4 on SF602 also shows this Louver, and it includes a note that says to see the Mechanical Drawings for the Louver. The Louver Schedule on MH601 does not list a Louver for the EC Charging Enclosure. Please provide additional details for this Louver.

**Response:** The louvers at the EV charging enclosure are blank offs for aesthetic purposes only and are not included in the mechanical drawings.

**Question:** Drawings A612 and A801 indicate that the Flooring for Room 124 Janitor Closet is T-1. Drawing A614 indicates that the Flooring for Room 124 Janitor Closet is T-3. Please

**clarify.Response:** Amendment #6 updated A612 to show T-3 in the janitor closet. A801 is updated in Amendment #7 to show T-3 as the floor finish.

**Question:** Please verify that the quantity of Common Excavation is correct. The current pay quantity is not sufficient to bring the site to the proposed subgrade elevations. 4,100 CY of excavation is required to strip the topsoil from the footprint of the of the impervious areas alone. This does not leave sufficient quantity to excavate the retention ponds, perform site cuts, and excavate for the building foundation. To further confuse the pay quantity, Amendment #3 said the building excavation was incidental to the LS Building and then Amendment #5 said it was to be paid under Common Excavation.

**Response:** The quantity for Common Excavation was revised to 10,355 CY in Amendment #6. As stated in previous amendments, excavation within the exterior building wall (the exterior building wall is shown on the civil plans) is to be included in the building lump sum. The splay for the foundation excavation outside of the building exterior wall shall be included in common excavation. See responses to previous RFIs and the revised special provisions Section 203 issued as part of Amendment #6.

**Question:** It is our understanding that a building permit will not be required by the contractor as local code will not have jurisdiction. Please confirm if we are to include cost for building permits, electrical permits, plumbing permits or not.

**Response:** All local permits WILL be required. The Contractor will be responsible for obtaining permits such as the building permit, plumbing permit, septic permits, etc., from the Town of Trenton. In conversation with the Trenton CEO, a building permit should cost approximately \$3,500 (based on \$0.20 per sq. ft. of finished floor space, \$0.15 per sq. ft. of unfished floor space), a plumbing permit approximately \$1,000 (based on \$20 per fixture) and a septic permit approximately \$250 (this was a rough estimate). Other permits may be required and will be the responsibility of the Contractor to obtain.

Consider these changes and information prior to submitting your bid on February 8, 2023.

Sincerely,



George M. A. Macdougall P.E.  
Contracts & Specifications Engineer

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Section 230900	Instrumentation and Control For HVAC
Section 230993	Sequence of Operations
Section 232113	Hydronic HVAC Piping
Section 232123	Hydronic Pumps
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Section 237200	Air-To-Air Energy Recovery Equipment

Section 237314	Modular Indoor Central-Station Air-Handling Units
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Section 260523	Control-Voltage Electrical Power Cables
Section 260526	Grounding and Bonding for Electrical Systems
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Section 263100	Photovoltaic Collectors
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Section 264113	Lightning Protection for Structures
Section 265100	Interior Lighting
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DIVISION 27 – COMMUNICATIONS

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Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 017163.03

Project(s): 017163.03

SECTION: 1 INITIAL GROUP

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	201.11 CLEARING	8.100 AC	_____	 _____	_____	 _____
0020	203.20 COMMON EXCAVATION	10,355.000 CY	_____	 _____	_____	 _____
0030	203.21 ROCK EXCAVATION	10.000 CY	_____	 _____	_____	 _____
0040	203.24 COMMON BORROW	5,737.000 CY	_____	 _____	_____	 _____
0050	203.25 GRANULAR BORROW	2,657.000 CY	_____	 _____	_____	 _____
0060	203.29 SELECTED GRANULAR MATERIAL	1,335.000 CY	_____	 _____	_____	 _____
0070	203.38 FILTER SAND	205.000 CY	_____	 _____	_____	 _____
0080	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	10.000 CY	_____	 _____	_____	 _____
0090	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	10.000 CY	_____	 _____	_____	 _____
0100	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	9,360.000 CY	_____	 _____	_____	 _____
0110	304.14 AGGREGATE BASE COURSE - TYPE A	3,095.000 CY	_____	 _____	_____	 _____
0120	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	1,529.000 T	_____	 _____	_____	 _____

Maine Department of Transportation

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	134.000 T	_____	 _____	_____	 _____
0140	403.213 HOT MIX ASPHALT 12.5 MM BASE	3,266.000 T	_____	 _____	_____	 _____
0150	409.15 BITUMINOUS TACK COAT - APPLIED	2,682.000 G	_____	 _____	_____	 _____
0160	419.30 SAW CUTTING BITUMINOUS PAVEMENT	525.000 LF	_____	 _____	_____	 _____
0170	502.311 SITE CONCRETE BUS SHELTER	5.000 CY	_____	 _____	_____	 _____
0180	502.311 SITE CONCRETE EV CHARGER BUILDING & CHARGER BASE	5.000 CY	_____	 _____	_____	 _____
0190	502.311 SITE CONCRETE INFORMATION KIOSK	10.000 CY	_____	 _____	_____	 _____
0200	502.342 STRUCTURAL CONCRETE ROADWAY TRUCK APRON	3.000 CY	_____	 _____	_____	 _____
0210	502.602 STRUCTURAL CONCRETE, GENERATOR SLAB	LUMP SUM	_____	 LUMP SUM	_____	 _____
0220	502.603 STRUCTURAL CONCRETE, CONDENSER PAD	LUMP SUM	_____	 LUMP SUM	_____	 _____
0230	502.607 STRUCTURAL CONCRETE, STORAGE PAD DUMPSTER	LUMP SUM	_____	 LUMP SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0240	525.19 GRANITE SEATING BLOCKS	37.000 EA	_____	 _____	_____	 _____
0250	603.142 10" CULV PIPE OPTION III	93.000 LF	_____	 _____	_____	 _____
0260	603.159 12 INCH CULVERT PIPE OPTION III	1,189.000 LF	_____	 _____	_____	 _____
0270	603.169 15 INCH CULVERT PIPE OPTION III	404.000 LF	_____	 _____	_____	 _____
0280	603.179 18 INCH CULVERT PIPE OPTION III	348.000 LF	_____	 _____	_____	 _____
0290	603.199 24 INCH CULVERT PIPE OPTION III	200.000 LF	_____	 _____	_____	 _____
0300	603.801 24" TRASH RACK	2.000 EA	_____	 _____	_____	 _____
0310	604.077 72 INCH CATCH BASIN TYPE A1-C	1.000 EA	_____	 _____	_____	 _____
0320	604.131 4' DIAMETER CATCH BASIN	12.000 EA	_____	 _____	_____	 _____
0330	604.15 MANHOLE	8.000 EA	_____	 _____	_____	 _____
0340	604.154 72 INCH MANHOLE	1.000 EA	_____	 _____	_____	 _____
0350	604.1542 72 INCH OUTLET CONTROL STRUCTURE	2.000 EA	_____	 _____	_____	 _____
0360	604.24 CATCH BASIN TYPE F	16.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0370	605.081 4" LINER UNDERDRAIN	386.000 LF	_____	 _____	_____	 _____
0380	605.082 4" FOUNDATION DRAIN	1,000.000 LF	_____	 _____	_____	 _____
0390	605.091 6" WET POND UNDERDRAIN	32.000 LF	_____	 _____	_____	 _____
0400	605.109 10" UNDERDRAIN TYPE C	505.000 LF	_____	 _____	_____	 _____
0410	605.11 12 INCH UNDERDRAIN TYPE C	910.000 LF	_____	 _____	_____	 _____
0420	605.12 15 INCH UNDERDRAIN TYPE C	127.000 LF	_____	 _____	_____	 _____
0430	605.19 6 INCH LONGITUDINAL UNDERDRAIN	630.000 LF	_____	 _____	_____	 _____
0440	605.31 UNDERDRAIN CLEANOUT	8.000 EA	_____	 _____	_____	 _____
0450	608.251 PRECAST CONCRETE PAVERS	3,000.000 SY	_____	 _____	_____	 _____
0460	608.26 CURB RAMP DETECTABLE WARNING FIELD	308.000 SF	_____	 _____	_____	 _____
0470	609.11 VERTICAL CURB TYPE 1	2,229.000 LF	_____	 _____	_____	 _____
0480	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	1,268.000 LF	_____	 _____	_____	 _____
0490	609.26 CURB TRANSITION SECTION B TYPE 1	2.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0500	610.08 PLAIN RIPRAP	20.000 CY	_____	 _____	_____	 _____
0510	610.21 RIVER STONES	27.000 CY	_____	 _____	_____	 _____
0520	610.61 NATURAL BOULDER TYPE A 36"X36" - 42"X42"	26.000 EA	_____	 _____	_____	 _____
0530	610.61 NATURAL BOULDER TYPE B 24"X24" - 36"X36"	33.000 EA	_____	 _____	_____	 _____
0540	610.61 NATURAL BOULDER TYPE C 18"X18" - 24"X24"	24.000 EA	_____	 _____	_____	 _____
0550	615.20 UNCOMPACTED SOIL FILTER MEDIUM	100.000 CY	_____	 _____	_____	 _____
0560	616.09 RHODORA SODDING	60.000 SY	_____	 _____	_____	 _____
0570	616.10 HUCKLEBERRY SODDING	160.000 SY	_____	 _____	_____	 _____
0580	616.11 HAY-SCENTED FERN SODDING	340.000 SY	_____	 _____	_____	 _____
0590	617.33 SUPERHUMUS TOPSOIL	2,292.000 CY	_____	 _____	_____	 _____
0600	618.14 SEEDING METHOD NUMBER 2	10.000 UN	_____	 _____	_____	 _____
0610	618.147 WETLAND SEEDING	6.000 UN	_____	 _____	_____	 _____

Maine Department of Transportation

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Project(s): 017163.03

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0620	618.149 SPECIAL SEED MIX LAWN	7.000 UN	_____	 _____	_____	 _____
0630	618.20 ANNUAL RYE GRASS SEED	200.000 LB	_____	 _____	_____	 _____
0640	618.27 MEADOW SEEDING MEADOW	21.000 UN	_____	 _____	_____	 _____
0650	618.29 RETENTION POND SEEDING	2.000 UN	_____	 _____	_____	 _____
0660	619.12 MULCH	10.000 UN	_____	 _____	_____	 _____
0670	620.54 STABILIZATION/REINFORCEMENT GEOTEXTILE	10.000 SY	_____	 _____	_____	 _____
0680	621.037 EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP A	6.000 EA	_____	 _____	_____	 _____
0690	621.043 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP A	43.000 EA	_____	 _____	_____	 _____
0700	621.046 EVERGREEN TR (8' - 10') GP A	33.000 EA	_____	 _____	_____	 _____
0710	621.052 EVERGREEN TREES (10 FOOT - 12 FOOT) GROUP A	32.000 EA	_____	 _____	_____	 _____
0720	621.201 MEDIUM DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP A	5.000 EA	_____	 _____	_____	 _____
0730	621.255 LARGE DECIDUOUS TREES (8 FOOT - 10 FOOT) GROUP A	21.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0740	621.263 LARGE DECIDUOUS TREES (10 FOOT - 12 FOOT) GROUP C	33.000 EA	_____	 _____	_____	 _____
0750	621.2641 MULTISTEM DECIDUOUS TREE (RIVER BIRCH) GROUP A	24.000 EA	_____	 _____	_____	 _____
0760	621.273 LARGE DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP A	30.000 EA	_____	 _____	_____	 _____
0770	621.274 LARGE DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP B	13.000 EA	_____	 _____	_____	 _____
0780	621.279 LARGE DECIDUOUS TREE (2.50 INCH - 3 INCH CALIPER) GROUP A	10.000 EA	_____	 _____	_____	 _____
0790	621.285 LARGE DECIDUOUS TREE (3 INCH - 3.50 INCH CALIPER) GROUP A	39.000 EA	_____	 _____	_____	 _____
0800	621.291 LARGE DECIDUOUS TREE (3.50 INCH - 4 INCH CALIPER) GROUP A	3.000 EA	_____	 _____	_____	 _____
0810	621.292 LARGE DECIDUOUS TREE (3.50 INCH - 4 INCH CALIPER) GROUP B	1.000 EA	_____	 _____	_____	 _____
0820	621.391 EVERGREENS (15 INCH - 18 INCH) GROUP C	204.000 EA	_____	 _____	_____	 _____
0830	621.50 BROADLEAF EVERGREEN (2.50 FOOT - 3 FOOT) GROUP C	3.000 EA	_____	 _____	_____	 _____
0840	621.525 BAYBERRY (2 FOOT - 3 FOOT)	64.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0850	621.542 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP C	3.000 EA	_____	 _____	_____	 _____
0860	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	450.000 EA	_____	 _____	_____	 _____
0870	621.547 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP B	336.000 EA	_____	 _____	_____	 _____
0880	621.548 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP C	13.000 EA	_____	 _____	_____	 _____
0890	621.552 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP A	4.000 EA	_____	 _____	_____	 _____
0900	621.553 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP B	3.000 EA	_____	 _____	_____	 _____
0910	621.554 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP C	6.000 EA	_____	 _____	_____	 _____
0920	621.558 DECIDUOUS SHRUBS (4 FOOT - 5 FOOT) GROUP A	11.000 EA	_____	 _____	_____	 _____
0930	621.662 VINES (18 INCH - 24 INCH) GROUP C	4.000 EA	_____	 _____	_____	 _____
0940	621.711 HERBACEOUS PERENNIALS GROUP B	200.000 EA	_____	 _____	_____	 _____
0950	621.98 METAL LANDSCAPE EDGING	1,600.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0960	625.23 IRRIGATION SYSTEM	LUMP SUM	LUMP SUM		_____	_____
0970	627.18 12 " SOLID WHITE PAVEMENT MARKING	160.000 LF	_____	_____	_____	_____
0980	627.71 4 INCH WHITE PAVEMENT MARKING LINE	2,792.000 LF	_____	_____	_____	_____
0990	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	9,070.000 SF	_____	_____	_____	_____
1000	634.228 CONCRETE TRANSFORMER PAD GENERATOR PAD	2.000 EA	_____	_____	_____	_____
1010	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	_____	_____	_____
1020	641.34 TRASH RECEPTACLE	4.000 EA	_____	_____	_____	_____
1030	641.35 ALUMINUM FLAG POLE	2.000 EA	_____	_____	_____	_____
1040	643.60 FLASHING BEACON AT: Gateway Drive / Bar harbor Road	LUMP SUM	LUMP SUM		_____	_____
1050	652.312 TYPE III BARRICADE	10.000 EA	_____	_____	_____	_____
1060	652.33 DRUM	25.000 EA	_____	_____	_____	_____
1070	652.34 CONE	100.000 EA	_____	_____	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1080	652.35 CONSTRUCTION SIGNS	500.000 SF	_____	 _____	_____	 _____
1090	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP SUM		_____	 _____
1100	652.38 FLAGGER	1,000.000 HR	_____	 _____	_____	 _____
1110	655.12 ELECTRIC VEHICLE CHARGING STATION - LEVEL 2 DUAL PORT	4.000 EA	_____	 _____	_____	 _____
1120	655.12 ELECTRIC VEHICLE CHARGING STATION - LEVEL 2 SINGLE PORT	1.000 EA	_____	 _____	_____	 _____
1130	655.13 ELECTRIC VEHICLE CHARGING STATION - LEVEL 3 SINGLE PORT	8.000 EA	_____	 _____	_____	 _____
1140	655.40 PHOTOVOLTAIC SYSTEM	LUMP SUM	LUMP SUM		_____	 _____
1150	656.71 LEVEL LIP SPREADER	86.000 CY	_____	 _____	_____	 _____
1160	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM		_____	 _____
1170	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	 _____
1180	801.014 PUMP STATION 8 FOOT DIAMETER	1.000 EA	_____	 _____	_____	 _____
1190	801.121 SEWER FORCE MAIN 2.5 INCH	1,120.000 LF	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1200	801.17 8 INCH PVC SANITARY SEWER (SDR-35)	230.000 LF	_____	 _____	_____	 _____
1210	802.103 WATERLINE 2 INCH	LUMP SUM	LUMP SUM		_____	 _____
1220	802.20 SEPTIC TANKS 10,000 GALLON	1.000 EA	_____	 _____	_____	 _____
1230	802.20 SEPTIC TANKS 20,000 GALLON	1.000 EA	_____	 _____	_____	 _____
1240	802.2011 STORAGE TANK	LUMP SUM	LUMP SUM		_____	 _____
1250	802.23 SUBSURFACE WASTEWATER DISPOSAL SYSTEM	LUMP SUM	LUMP SUM		_____	 _____
1260	803.01 TEST PITS	3.000 EA	_____	 _____	_____	 _____
1270	803.173 SEWER MANHOLE - 4 FOOT DIAMETER	4.000 EA	_____	 _____	_____	 _____
1280	803.173 SEWER MANHOLE - 4 FOOT DIAMETER CLEANOUT	3.000 EA	_____	 _____	_____	 _____
1290	822.301 PRE-INSULATED DUCTILE IRON PIPE	5.000 LF	_____	 _____	_____	 _____
1300	823.33 6 INCH GATE VALVE WITH BOX	1.000 EA	_____	 _____	_____	 _____
1310	823.3351 4 INCH GATE VALVE AND BOX	1.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1320	824.50 FIRE SUPPRESSION TANK	LUMP SUM	LUMP	SUM	_____	_____
1330	832.071 CONTRACTOR ALLOWANCE Fiber Optic Service	LUMP SUM	LUMP	SUM	_____	5,000.00
1340	832.071 CONTRACTOR ALLOWANCE Telephone Service	LUMP SUM	LUMP	SUM	_____	5,000.00
1350	832.071 CONTRACTOR ALLOWANCE Versant Power	LUMP SUM	LUMP	SUM	_____	60,000.00
1360	834.323 DRY HYDRANT	LUMP SUM	LUMP	SUM	_____	_____
1370	841.48 BOLLARDS	3.000 EA	_____	_____	_____	_____
1380	890.07 BIKE RACKS	20.000 EA	_____	_____	_____	_____
1390	910.30 SPECIAL WORK 20,000 GAL OXYPRO UNIT	2.000 EA	_____	_____	_____	_____
1400	DIV. 10 SPECIALTIES MISC SPECIALITIES	LUMP SUM	LUMP	SUM	_____	_____
1410	DIV. 12 FURNISHINGS	LUMP SUM	LUMP	SUM	_____	_____
1420	DIV. 21 FIRE SUPPRESSION	LUMP SUM	LUMP	SUM	_____	_____
1430	DIV. 22 PLUMBING	LUMP SUM	LUMP	SUM	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1440	DIV. 23 HVAC	LUMP SUM	LUMP	SUM	_____	_____
1450	DIV. 26 ELECTRICAL	LUMP SUM	LUMP	SUM	_____	_____
1460	DIV. 3 CONCRETE	LUMP SUM	LUMP	SUM	_____	_____
1470	DIV. 4 MASONRY	LUMP SUM	LUMP	SUM	_____	_____
1480	DIV. 5 METALS	LUMP SUM	LUMP	SUM	_____	_____
1490	DIV. 6 WOOD & PLASTICS	LUMP SUM	LUMP	SUM	_____	_____
1500	DIV. 7 THERMAL & MOISTURE PROTECTION	LUMP SUM	LUMP	SUM	_____	_____
1510	DIV. 8 DOORS & WINDOWS	LUMP SUM	LUMP	SUM	_____	_____
1520	DIV. 9 FINISHES	LUMP SUM	LUMP	SUM	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

**SPECIAL PROVISION**  
**SECTION 502 - STRUCTURAL CONCRETE**  
(QC/QA Acceptance Methods)

All work and materials shall conform to the Contract Drawings and the provisions of the State of Maine Department of Transportation Standard Specifications, Revision March 2020, SECTION 502 – STRUCTURAL CONCRETE, with the following additions:

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.311	Site Concrete, EV Building & Charger Bases	-	C
A	502.311	Site Concrete, Information Kiosk	-	C
A	502.311	Site Concrete, Bus Shelter	-	C
LP	502.342	Roadway Truck Apron		C
A	502.602	Generator Pad		C
A	502.603	Condenser/Chiller Pad		C
A	502.607	Storage Pad for Dumpster		C
A	608.26	Curb Ramp Detectable Warning Fields	-	C
FILL	609.11	Vertical Curb Type 1	-	C
LP	802.2011	Storage Tank	-	C
3500	DIV 3	Footings & Foundation Walls	-	C
3500	DIV 3	Interior Slab on Grade	-	C
3500	DIV 3	Elevated Slabs on Metal Deck	-	C
3500	DIV 3	Lightweight Topping	-	C
A	DIV 3	Miscellaneous Site Concrete	-	C

P values listed above reflect the price per cubic yard (yd<sup>3</sup>) for all pay adjustment purposes.

Add the Following to:

**502.01 Basis of Payment:**

QC/QA testing is incidental to the contract and shall not require measurement.

**502.041 Testing Equipment:**

Add paragraph I. Provide slump cone and rod meeting AASHTO requirements.

**502.1601 Miscellaneous Items - Water Storage Tank:**

The precast water tank located within the building is to be designed and supplied by a precast vendor. The tank shall be a watertight system with a provided manhole access as shown and that it be designed for floor loading of the main floor slab and soils above as well as soils retained on all 4 sides. Design parameters for the tank itself are as follows:

- Interior slab on grade Floor Design Live Load of 100 psf
- Concrete slab on grade assumed to be 150 pcf normal weight reinforced concrete.
- Compacted soil density above tank and below Slab on grade of 135 pcf

- Refer to geotechnical report for retained wall design parameters for wall designs.
- Tank walls, base slab and cover concrete Minimum design strength of 5,000 psi minimum. Reinforcement shall be epoxy coated and sized per vendor design. The water tank shall be constructed and installed per the manufacturer’s specifications and as specified on the architectural plans.

**502.18 Method of Measurement:**

G. Payment for Curb Ramp Detectable Warning Fields and Vertical Curb is considered incidental to the pay items the work is associated with.

H. Payment for the Dumpster Pad, Condenser/Chiller Pad, Storage Tank and Generator Pad will be measured as a lump sum item for satisfactorily placed and accepted Class A concrete which includes, but not limited to excavation, form work, reinforcing steel, placement, QC testing, curing, form work removal and backfill to complete the work associated with the items noted; 502.602, 502.603 & 502.607, 802.2011.

I. Payment for the EV Building & Charger Bases, Information Kiosk, Bus Shelter and Roadway Truck Apron will be measured on a cubic yard basis for satisfactorily placed and accepted Class A concrete, which includes, but not limited to excavation, form work, reinforcing steel, placement, QC testing, curing, form work removal and backfill to complete the work associated with the items noted; 502.311 Site Concrete EV Building & Charger Bases, 502.311 Site Concrete Information Kiosk, 502.311 Site Concrete Bus Shelter & 502.342 Roadway Truck Apron.

J. Payment for the DIV 3 items listed will not be measured for payment and are considered incidental to the DIV 3 scope of work, which includes, but not limited to excavation, form work, reinforcing steel, placement, QC testing, curing, form work removal and backfill to complete the work associated with the items noted; DIV 3.

K. Payment for Miscellaneous Site Concrete will not be measured for payment and will be considered incidental to all concrete required for other schedule of items required to complete the work, which includes, but not limited to excavation, form work, reinforcing steel, placement, QC testing, curing, form work removal and backfill to complete the work associated with the items noted; DIV 3.

**502.19 Basis of Payment:**

Payment will be made under:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
502.311 Site Concrete, EV Building & Charger Bases	Cubic Yard
502.311 Site Concrete, Information Kiosk	Cubic Yard
502.311 Site Concrete, Bus Shelter	Cubic Yard
502.342 Roadway Truck Apron	Cubic Yard
502.602 Generator Pad	Lump Sum
502.603 Condenser/Chiller Pad	Lump Sum

502.607 Storage Pad for Dumpster  
802.2011 Storage Tank

Lump Sum  
Lump Sum

**SPECIAL PROVISIONS  
SECTION 605 – UNDERDRAINS**

The provisions of Section 605 of the “State of Maine, Department of Transportation, Standard Specifications, Revision of March 2020” shall apply with the following additions and modifications:

**605.01 Description** This work shall consist of the construction of underdrains for site elements, building foundations, and stormwater treatment ponds.

**605.02 Materials** Underdrain pipe and backfill material shall be as noted in the plan set and Geotechnical Engineering Study for this project for building and stormwater pond underdrains. Site underdrains shall conform to Section 605 of the MaineDOT specifications.

**605.07 Basis of Payment** The accepted quantity of pipe will be paid for at the contract unit price per linear foot complete in place. Trench excavation, backfill, couplings, connections of pipe, crushed stone, sand, and all other appurtenances necessary to satisfactorily complete the work shall be considered incidental and no further payment will be made.

The payment for the 4” liner underdrain shall be for pipe, fittings, and installation. The sand bedding for the grassed underdrained soil filter liner will be paid for as Item 203.38.

The impermeable membrane at the 6” wet pond underdrain shall be considered incidental to Item 605.091 and no further payment will be made.

The accepted quantity of cleanouts and gate valve with box for the stormwater pond underdrain shall be paid for at the contract unit price per each complete in place including all appurtenances. Pre-insulated DI pipe stubs required for connecting the underdrain to the outlet control valves shall be paid for at the contract unit price per linear foot in place. The valve operating wrenches and handle extensions shall be supplied to the Owner at no additional cost.

Payment will be made under:

<b><u>Pay Item</u></b>		<b><u>Pay Unit</u></b>
605.081	4” Liner Underdrain	Linear Foot
605.091	6” Wet Pond Underdrain	Linear Foot
605.19	6” Longitudinal Underdrain	Linear Foot
605.109	10” Underdrain Type C	Linear Foot
605.11	12” Underdrain Type C	Linear Foot
605.12	15” Underdrain Type C	Linear Foot
801.54	Underdrain Cleanout	Each

822.301	Pre-Insulated Ductile Iron Pipe	Linear Foot
823.33	6" gate Valve with box	Each
823.3351	4" Gate Valve with box	Each

**SPECIAL PROVISION  
SECTION 643 – TRAFFIC SIGNALS**

The provisions of Section 643 of the “State of Maine, Department of Transportation, Standard Specifications, Revision of March 2020” shall apply with the following additions and modifications:

**643.18 Method of Measurement**

Traffic signals, traffic signal modifications, video detection system, traffic signal control system, and flashing beacons will be measured for payment by the lump sum plan quantity under item 643.60 – Flashing Beacon at Gateway Drive/Bar Harbor Road Intersection. Temporary traffic signals will not be measured under this section.

Pedestal poles, strain poles, combination poles, and mast arm poles with mast arms will be included in the lump sum for item 643.60 – Flashing Beacon at Gateway Drive/Bar Harbor Road Intersection.

**643.19 Basis of Payment**

Conduits, junction boxes, and foundations shall be incidental to item 643.60 unless otherwise specified in the Division 26 specifications.

Pedestal poles, strain poles, combination poles and mast arm poles with mast arms will be paid for at the contract lump sum price under item 643.60 – Flashing Beacon at Gateway Drive/Bar Harbor Road Intersection which payment shall be full compensation for furnishing and installing all materials, tools and labor necessary to erect the poles.

Traffic signal control system will be paid for at the contract lump sum price under item 643.60 – Flashing Beacon at Gateway Drive/Bar Harbor Road Intersection, which payment will be full compensation for furnishing and installing all materials, including, but not limited to local intersection traffic signal controller, controller cabinets, on-street master controller, supervisory PC software, and all appurtenances and incidentals required for a complete functioning installation.

Video detection system will be paid for at the contract lump sum price under item 643.60 – Flashing Beacon at Gateway Drive/Bar Harbor Road Intersection, which payment will be full compensation for furnishing and installing all materials, including, but not limited to video processing unit, video cameras, supervisory PC software, and all appurtenances and incidentals required for a complete functioning installation.

Payment will be made under:

<b><u>Pay Item</u></b>	<b><u>Pay Unit</u></b>
643.60 Flashing Beacon at Gateway Drive/Bar Harbor Road Intersection	Lump Sum

**SECTION 05 51 13**  
**METAL PAN STAIRS**

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Preassembled steel stairs with applied treads.
2. Steel tube railings attached to metal stairs.
3. Steel tube handrails attached to walls adjacent to metal stairs.
4. Double-leaf swing gates at the level of exit discharge.

B. Related Requirements:

1. Section 033000 "Cast-in-Place Concrete" for concrete fill for stair treads and platforms.

1.2 COORDINATION

- A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written recommendations to ensure that shop primers and topcoats are compatible with one another.
- B. Coordinate installation of anchorages for metal stairs. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.
- C. Coordinate locations of hanger rods and struts with other work so that they do not encroach on required stair width and are within the fire-resistance-rated stair enclosure.

1.3 SUBMITTALS

A. Product Data: For metal pan stairs and the following:

1. Nonslip treads.
2. Paint products.

B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

C. Delegated-Design Submittal: For stairs and railings, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

D. Welding certificates.

E. Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers certifying that shop primers are compatible with topcoats.

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Fabricator of products.
- B. Welding Qualifications: Qualify procedures and personnel according to the following:
  - 1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
  - 2. AWS D1.3/D1.3M, "Structural Welding Code - Sheet

#### Steel."PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000"Quality Requirements," to design stairs, railings, **and landings.**
- B. Structural Performance of Stairs: Metal stairs shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
  - 1. Uniform Load: 100 lbf/sq. ft. (4.79 kN/sq. m).
  - 2. Concentrated Load: 300 lbf (1.33 kN) applied on an area of 4 sq. in. (2580 sq. mm).
  - 3. Uniform and concentrated loads need not be assumed to act concurrently.
  - 4. Stair Framing: Capable of withstanding stresses resulting from railing loads in addition to loads specified above.
  - 5. Limit deflection of treads, platforms, and framing members to L/360 or 1/4 inch (6.4mm), whichever is less.
- C. Structural Performance of Railings: Railings shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
  - 1. Handrails and Top Rails of Guards:
    - a. Uniform load of 50 lbf/ft. (0.73 kN/m) applied in any direction.
    - b. Concentrated load of 200 lbf (0.89 kN) applied in any direction.
    - c. Uniform and concentrated loads need not be assumed to act concurrently.
  - 2. Infill of Guards:
    - a. Concentrated load of 50 lbf (0.22 kN) applied horizontally on an area of 1 sq. ft. (0.093 sq. m).
    - b. Infill load and other loads need not be assumed to act concurrently.

#### 2.2 METALS

- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For components exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
- C. Steel Tubing: ASTM A 500 (cold formed) or ASTM A 513.

- D. Uncoated, Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, structural steel, Grade 25 (Grade 170), unless another grade is required by design loads; exposed.
- E. Uncoated, Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, structural steel, Grade 30 (Grade 205), unless another grade is required by design loads.
- F. Galvanized-Steel Sheet: ASTM A 653/A 653M, G90 (Z275) coating, structural steel, Grade 33 (Grade 230), unless another grade is required by design loads.
- G. Woven-Wire Mesh: Intermediate-crimp, square pattern, 2-inch (50-mm) woven-wire mesh, made from 0.135-inch (3.5-mm) nominal diameter wire complying with ASTM A 510 (ASTM A 510M).

## 2.3 FASTENERS

- A. General: Provide zinc-plated fasteners with coating complying with ASTM B 633 or ASTM F 1941 (ASTM F 1941M), Class Fe/Zn 12 for exterior use, and Class Fe/Zn 5 where built into exterior walls. Select fasteners for type, grade, and class required.
- B. Bolts and Nuts: Regular hexagon-head bolts, ASTM A 307, Grade A (ASTM F 568M, Property Class 4.6); with hex nuts, ASTM A 563 (ASTM A 563M); and, where indicated, flat washers.
- C. Anchor Bolts: ASTM F 1554, Grade 36, of dimensions indicated; with nuts, ASTM A 563 (ASTM A 563M); and, where indicated, flat washers.
  - 1. Provide mechanically deposited or hot-dip, zinc-coated anchor bolts for exterior stairs.
- D. Post-Installed Anchors: Torque-controlled expansion anchors or chemical anchors capable of sustaining, without failure, a load equal to six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete, as determined by testing according to ASTM E 488/E 488M, conducted by a qualified independent testing agency.
  - 1. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B 633 or ASTM F 1941 (ASTM F 1941M), Class Fe/Zn 5, unless otherwise indicated.
  - 2. Material for Exterior Locations and Where Stainless Steel Is Indicated: Alloy Group 1 (A1) stainless-steel bolts, ASTM F 593 (ASTM F 738M), and nuts, ASTM F 594 (ASTM F 836M).

## 2.4 MISCELLANEOUS MATERIALS

- A. Slip-Resistant Treads: Provide pre-fabricated slip-resistant treads as manufactured by SlipNOT Metal Safety Flooring. Color shall be black.
- B. Shop Primers: Provide primers that comply with Section 099100 "Painting".
- C. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187/D 1187M.

## 2.5 FABRICATION, GENERAL

- A. Provide complete stair assemblies, including metal framing, hangers, struts, railings,

clips, brackets, bearing plates, and other components necessary to support and anchor stairs and platforms on supporting structure.

1. Join components by welding unless otherwise indicated.
  2. Use connections that maintain structural value of joined pieces.
- B. Preassembled Stairs: Assemble stairs in shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.
- C. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch (1 mm) unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- D. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.
- E. Form exposed work with accurate angles and surfaces and straight edges.
- F. Weld connections to comply with the following:
1. Use materials and methods that minimize distortion and develop strength and corrosionresistance of base metals.
  2. Obtain fusion without undercut or overlap.
  3. Remove welding flux immediately.
  4. Weld exposed corners and seams continuously unless otherwise indicated.
  5. At exposed connections, finish exposed welds to comply with NOMMA's "VoluntaryJoint Finish Standards" for Type 3 welds: partially dressed weld with spatter removed.
- G. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Where exposed fasteners are required, use Phillips flat-head (countersunk) screws or bolts unless otherwise indicated. Locate joints where least conspicuous.

## 2.6 STEEL-FRAMED STAIRS

- A. NAAMM Stair Standard: Comply with "Recommended Voluntary Minimum Standards for Fixed Metal Stairs" in NAAMM AMP 510, "Metal Stairs Manual," Commercial Class, unless more stringent requirements are indicated.
- B. Stair Framing:
1. Fabricate stringers of steel plates or channels.
    - a. Provide closures for exposed ends of channel stringers.
  2. Construct platforms of steel plate or channel headers and miscellaneous framing members as needed to comply with performance requirements.
  3. Weld stringers to headers; weld framing members to stringers and headers.
  4. Where masonry walls support metal stairs, provide temporary supporting struts

designed for erecting steel stair components before installing masonry.

- C. Abrasive-Coating-Finished, Formed-Metal Stairs: Form risers, treads, and platforms to configurations shown from steel sheet of thickness needed to comply with performance requirements, but not less than 0.097 inch (2.5 mm).
  - 1. Steel Sheet: Uncoated hot-rolled steel sheet unless otherwise indicated.
  - 2. Directly weld risers and treads to stringers; locate welds on underside of stairs.
  - 3. Provide platforms of configuration indicated or, if not indicated, the same as treads. Weld platforms to platform framing.
  - 4. Finish tread and platform surfaces with manufacturer's standard epoxy-bonded abrasive finish.

## 2.7 STAIR RAILINGS

- A. Comply with applicable requirements in Section 055213 "Pipe and Tube Railing."
  - 1. Fabricate newels of square steel tubing and provide newel caps of pressed steel, as shown.
  - 2. Rails may be bent at corners, rail returns, and wall returns, instead of using prefabricated fittings.
  - 3. Connect posts to stair framing by direct welding unless otherwise indicated.

## 2.8 FINISHES

- A. Finish metal stairs after assembly.
- B. Preparation for Shop Priming: Prepare uncoated ferrous-metal surfaces to comply with SSPC- SP 3, "Power Tool Cleaning."
- C. Apply shop primer to uncoated surfaces of metal stair components, except those with galvanized finishes and those to be embedded in concrete or masonry unless otherwise indicated. Comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.

## PART 3 - EXECUTION

### 3.1 INSTALLING METAL STAIRS

- A. Fastening to In-Place Construction: Provide anchorage devices and fasteners where necessary for securing metal stairs to in-place construction. Include threaded fasteners for concrete and masonry inserts, through-bolts, lag bolts, and other connectors.
- B. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal stairs. Set units accurately in location, alignment, and elevation, measured from established lines and levels and free of rack.
- C. Install metal stairs by welding stair framing to steel structure or to weld plates cast into concrete unless otherwise indicated.
- D. Provide temporary bracing or anchors in formwork for items that are to be built into

concrete, masonry, or similar construction.

- E. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations.
- F. Field Welding: Comply with requirements for welding in "Fabrication, General" Article.
- G. Install slip resistant treads with adhesive supplied by manufacturer.

### 3.2 INSTALLING RAILINGS

- A. Adjust railing systems before anchoring to ensure matching alignment at abutting joints. Space posts at spacing indicated or, if not indicated, as required by design loads. Plumb posts in each direction. Secure posts and rail ends to building construction as follows:
  - 1. Anchor posts to steel by welding to steel supporting members.
  - 2. Anchor handrail ends to concrete and masonry with steel round flanges welded to railends and anchored with postinstalled anchors and bolts.
- B. Attach handrails to wall with wall brackets. Locate brackets as indicated or, if not indicated, at spacing required to support structural loads. Secure wall brackets to building construction as required to comply with performance requirements.

### 3.3 ADJUSTING AND CLEANING

- A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.
  - 1. Apply by brush or spray to provide a minimum 2.0-mil (0.05-mm) dry film thickness.

## PART 4 - PAYMENT PROCEDURES

### 4.1 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments. Payment shall be based on percentage of work completed and cost of materials and equipment.
  - 1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
  - 2. Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.
  - 3. Include amounts of Change Orders and Construction Change Directives issued before lastday of construction period covered by application.

- B. Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.
1. Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment, for stored materials.
  2. Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.
  3. Provide summary documentation for stored materials indicating the following:
    - a. Value of materials previously stored and remaining stored as of date of previous Applications for Payment.
    - b. Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.
    - c. Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.

**END OF SECTION**

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## SECTION 06 20 23

### INTERIOR FINISH CARPENTRY

#### PART 1 - GENERAL

##### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

##### 1.2 SUMMARY

###### A. Section Includes:

- 1. Interior trim.
- 2. Interior tongue and groove board ceilings, walls and decks.

###### B. Related Requirements:

- 1. Section 061000, ROUGH CARPENTRY, for furring, blocking, and other carpentry worknot exposed to view.
- 2. Section 099100, PAINTING; finishing for interior finish carpentry.

##### 1.3 DEFINITIONS

- A. MDF: Medium-density fiberboard.

- B. MDO: Plywood with a medium-density overlay on the face.

##### 1.4 SUBMITTALS

###### A. Samples for Verification:

- 1. For each species and cut of lumber and panel products with non-factory-applied finish, with 1/2 of exposed surface finished, 50 sq. in. (300 sq. cm) for lumber.

##### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Stack lumber, plywood, and other panels flat with spacers between each bundle to provide air circulation. Protect materials from weather by covering with waterproof sheeting, securely anchored. Provide for air circulation around stacks and under coverings.

- B. Deliver interior finish carpentry materials only when environmental conditions meet requirements specified for installation areas. If interior finish carpentry materials must be stored in other than installation areas, store only where environmental conditions meet requirements specified for installation areas.

##### 1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install interior finish carpentry materials until building is enclosed and weatherproof, wet work in space is completed and

nominally dry, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

- B. Do not install finish carpentry materials that are wet, moisture damaged, or mold damaged.
  - 1. Indications that materials are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
  - 2. Indications that materials are mold damaged include, but are not limited to, fuzzy or spotted surface contamination and discoloration.

## PART 2 - PRODUCTS

### 2.1 MATERIALS, GENERAL

- A. Certified Wood: The following wood products shall be produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship":
  - 1. Interior trim.
  - 2. Interior board paneling.
- B. Lumber: DOC PS 20 and the following grading rules:
  - 1. NeLMA: Northeastern Lumber Manufacturers' Association, "Standard Grading Rules for Northeastern Lumber."
  - 2. NHLA: National Hardwood Lumber Association, "Rules for the Measurement and Inspection of Hardwood & Cypress."
  - 3. NLGA: National Lumber Grades Authority, "Standard Grading Rules for Canadian Lumber."
  - 4. SPIB: The Southern Pine Inspection Bureau, "Standard Grading Rules for Southern Pine Lumber."
  - 5. WCLIB: West Coast Lumber Inspection Bureau, Standard No. 17, "Grading Rules for West Coast Lumber."
  - 6. WWPA: Western Wood Products Association, "Western Lumber Grading Rules."
- C. Factory mark each piece of lumber with grade stamp of inspection agency indicating grade, species, moisture content at time of surfacing, and mill.
  - 1. For exposed lumber, mark grade stamp on end or back of each piece.
- D. Softwood Plywood: DOC PS 1.

### 2.2 INTERIOR TRIM

- A. Hardwood Lumber Trim for Transparent Finish (Clear Finish):
  - 1. Species: Select White Birch, Grade I; NHLA.
  - 2. Maximum Moisture Content: 9 percent.
  - 3. Finger Jointing: Not allowed.

4. Face Surface: Surfaced (smooth).
  5. Matching: Selected for compatible grain and color.
- B. Hardwood Moldings for Transparent Finish (Clear Finish): WMMPA HWM 2, N-grade wood moldings made to patterns included in WMMPA HWM 1.
1. Species: Select White Birch.
  2. Maximum Moisture Content: 9 percent.
  3. Finger Jointing: Not allowed.
  4. Matching: Selected for compatible grain and color.
  5. Patterns: As indicated.
- 2.3 T & G BOARD WALL, CEILING AND DECK PANELING
- A. T & G Board Paneling: Interior wood-board paneling complying with the following:
1. Species: Select White Birch, Grade I.
  2. Maximum Moisture Content: 9 percent.
  3. Pattern: V-joint, tongue and groove, unless indicated otherwise.
  4. Face Width: 5-1/2 in.
  5. Thickness: Minimum 1/2 in.
- 2.4 MISCELLANEOUS MATERIALS
- A. Fasteners for Interior Finish Carpentry: Nails, screws, and other anchoring devices of type, size, material, and finish required for application indicated to provide secure attachment, concealed where possible.
- B. Multipurpose Construction Adhesive: Formulation complying with ASTM D 3498 that is recommended for indicated use by adhesive manufacturer.
1. Adhesive shall have a VOC content of 70 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- 2.5 FABRICATION
- A. Back out or kerf backs of the following members except those with ends exposed in finished work:
1. Interior standing and running trim.
  2. Wood-board paneling.
- B. Ease edges of lumber less than 1 inch (25 mm) in nominal thickness to 1/16-inch (1.5-mm) radius and edges of lumber 1 inch (25 mm) or more in nominal thickness to 1/8-inch (3-mm) radius.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for

installation tolerances and other conditions affecting performance.

- B. Examine finish carpentry materials before installation. Reject materials that are wet, moisture damaged, and mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Clean substrates of projections and substances detrimental to application.
- B. Before installing interior finish carpentry, condition materials to average prevailing humidity in installation areas for a minimum of 24 hours[ unless longer conditioning is recommended by manufacturer].

### 3.3 INSTALLATION, GENERAL

- A. Do not use materials that are unsound, warped, improperly treated or finished, inadequately seasoned, too small to fabricate with proper jointing arrangements, or with defective surfaces, sizes, or patterns.
- B. Install interior finish carpentry level, plumb, true, and aligned with adjacent materials. Use concealed shims where necessary for alignment.
  - 1. Scribe and cut interior finish carpentry to fit adjoining work. Refinish and seal cuts as recommended by manufacturer.
  - 2. Where face fastening is unavoidable, countersink fasteners, fill surface flush, and sand unless otherwise indicated.
  - 3. Install to tolerance of 1/8 inch in 96 inches (3 mm in 2438 mm) for level and plumb. Install adjoining interior finish carpentry with 1/32-inch (0.8-mm) maximum offset for flush installation and 1/16-inch (1.5-mm) maximum offset for reveal installation.
  - 4. Coordinate interior finish carpentry with materials and systems in or adjacent to it. Provide cutouts for mechanical and electrical items that penetrate interior finish carpentry.

### 3.4 STANDING AND RUNNING TRIM INSTALLATION

- A. Install with minimum number of joints practical, using full-length pieces from maximum lengths of lumber available. Do not use pieces less than 24 inches (610 mm) long, except where necessary. Stagger joints in adjacent and related standing and running trim. Miter at returns, miter at outside corners, and cope at inside corners to produce tight-fitting joints with full- surface contact throughout length of joint. Use scarf joints for end-to-end joints.
  - 1. Match color and grain pattern of trim for transparent finish (clear finish) across joints.
  - 2. Install trim after gypsum-board joint finishing operations are completed.
  - 3. Install without splitting; drill pilot holes before fastening where necessary to prevent splitting. Fasten to prevent movement or warping. Countersink fastener heads on exposed carpentry work and fill holes.

### 3.5 WALL AND CEILING BOARD PANELING INSTALLATION

- A. Board Paneling, Walls and Ceilings: Install according to manufacturer's written instructions.
  - 1. Install in full lengths without end joints to the greatest extent possible.
  - 2. Select and arrange boards on each wall and ceiling area to minimize noticeable variations in grain character and color between adjacent boards. Install with uniform tight joints between boards.
  - 3. Fasten paneling by blind nailing through tongues.

### 3.6 ADJUSTING

- A. Replace interior finish carpentry that is damaged or does not comply with requirements. Interior finish carpentry may be repaired or refinished if work complies with requirements and shows no evidence of repair or refinishing. Adjust joinery for uniform appearance.

### 3.7 CLEANING

- A. Clean interior finish carpentry on exposed and semiexposed surfaces. Restore damaged or soiled areas and touch up factory-applied finishes, if any.

### 3.8 PROTECTION

- A. Protect installed products from damage from weather and other causes during construction.
- B. Remove and replace finish carpentry materials that are wet, moisture damaged, and mold damaged.
  - 1. Indications that materials are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
  - 2. Indications that materials are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

## PART 4 - PAYMENT PROCEDURES

### 4.1 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments. Payment shall be based on percentage of work completed and cost of materials and equipment.
  - 1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
  - 2. Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.
  - 3. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.

- B. Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.
1. Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment, for stored materials.
  2. Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.
  3. Provide summary documentation for stored materials indicating the following:
    - a. Value of materials previously stored and remaining stored as of date of previous Applications for Payment.
    - b. Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.
    - c. Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.

**END OF SECTION**

## SECTION 11 11 36

### VEHICLE CHARGING EQUIPMENT

#### PART 1 - GENERAL

The General Provisions of the Contract, including General and Special Conditions and the requirements of Division 1, apply to the Work in this Section.

#### 1.01 WORK INCLUDED

- A. Equipment items as listed below by Equipment Mark Number:
  - 1. LEVEL 2 DUAL EV (Electric Vehicle) CHARGER  
Equipment Reference: Key Note 1 on drawing ES100
  - 2. LEVEL 3 SINGLE EV (Electric Vehicle) CHARGER  
Equipment Reference: Key Note 2 on drawing ES100
  - 3. LEVEL 2 SINGLE EV (Electric Vehicle) CHARGER  
Equipment Reference: Key Note 4 on drawing ES100
- B. Installation of equipment with labor, services, and incidentals necessary for a complete and properly operational equipment installation.
- C. Utilities to be roughed in at location recommended by manufacturer.
- D. Coordination of public facing / for public use retail charging equipment for a complete and functioning electric vehicle charging system including public accessible charging unit operational controls, electric vehicle charging systems, charging service including all fees and power consumed during charging payment system and with electric vehicles to allow for a single public user to pay via integral payment system, connect private vehicle to unit, start vehicle charging session, manage and automatically terminate charging at completion of charging or upon fault / error code from vehicle or charging unit.

#### 1.02 ALTERNATIVE BIDS

- A. Refer to Division 1 - General Requirements for possible effect on Work of this Section.

#### 1.03 QUALITY ASSURANCE

- A. Experience: Equipment shall be produced by a manufacturer of established reputation with a minimum of five years' experience supplying specified equipment.
- B. Manufacturer's Representative:
  - 1. Installation: Provide a qualified manufacturer's representative at site to supervise work related to equipment installation, check out and start up.
  - 2. Training: Provide technical representative to train Owner's maintenance personnel in operation and maintenance of specified equipment.
  - 3. Testing: Provide technical representative for final testing of equipment.

- C. Installation of this equipment item requires initial mock-up and acceptance by design team and owner. Refer to Specification Section 11 11 36 Vehicle Charging Equipment Part 3.02 Installation for more details.

#### 1.04 STANDARD AND REGULATORY REQUIREMENTS

- A. Equipment indicated within this specification section shall comply with all applicable national, state and local codes and regulations, including seismic, and retail regulations. Additional, more specific compliance requirements may be listed under individual equipment headings.
- B. Permitting: Any individual equipment permits required by the local authority having jurisdiction (AHJ) shall be responsibility of the Contractor. The contractor shall obtain all necessary information, provide all necessary documents, and submit for any and all individual equipment permit as required by the AHJ. Individual equipment permits shall include, but not necessarily be limited to, any deferred equipment submittals, seismic permitting, fire marshal approvals, and equipment installation/start-up permitting.

#### 1.05 SUBMITTALS

- A. Items listed below are submittal requirements for the all the equipment items listed in this specifications section.
- B. Product Data:
  - 1. Submit Product Data in accordance with Division 1 - General Requirements of these specifications.
  - 2. All Product Data submittals shall identify proposed project specific items marked by arrow, circle, underline, reproducible highlight, or other markings clearly discernable by the reviewer, to show which specific items, parts and accessories are being submitted for the project product data review. Non-marked or generic product data submittals with no marks indicating specific items, parts and accessories will be a cause for rejection.
  - 3. Restrict submitted material to pertinent data. For instance, do not include manufacturer's complete catalog when pertinent information is contained on a single page.
- C. Operation and Maintenance Manual:
  - 1. Provide a Complete parts list, operating instructions, and maintenance manual covering equipment at time of installation including, but not limited to:
    - a. Description of system and components.
    - b. Manufacturer's printed operating instructions.
    - c. Printed listing of periodic preventive maintenance items and recommended frequency required to validate warranties. Failure to provide maintenance information will indicate that preventive maintenance is not a condition for validation of warranties.
    - d. List of original manufacturer's parts, including suppliers' part numbers and cuts, recommended spare parts stockage quantity and local parts and service source.

2. Assemble and provide copies of manual in 8-1/2 by 11 inch format. Foldout diagrams and illustrations are acceptable. Manual to be reproducible by dry copy method. Provide copies per provisions of Division 1 - General Requirements.
- D. Shop Drawings: Submit shop drawings in accordance with Division 1 -General Requirements of these specifications.
1. Manufacturer's standard installation drawings including power and data connection points and utility stub up locations, mounting points and required structural elements not included as part of the equipment unit but required for complete installation and operational use, unit weights, cord and cable lengths, unit and major component sizes, required clearances, level and plumb tolerances, access points and communication and ventilation requirements.
- E. Test Procedure and Test Reports: Testing Procedures and Testing Reports are required for all systems included in this specification and for each equipment unit installed. Testing procedures shall be submitted to the Owner and Design Team prior to installation, and shall, at a minimum, outline the manufacturer's procedure for successful testing of the equipment after installation. Testing Reports shall be record documents of the post installation test, itemizing the requirements of the Test Procedure and noting if individual requirements were met or not met, with notes and comments as needed. Testing reports shall be provided to the Owner and Design team upon completion of testing, prior to final invoice. Provide duplicates of all test reports as part of the Close-Out Documents. Refer to Part 3.03 Testing, of this specification.
- F. Required Documents for Permit and Local Jurisdictional Approval: Where required by local jurisdiction and/or code officials, the contractor/supplier shall be responsible for producing and submitting all documentation required for obtaining all applicable approvals related to the specified equipment. This documentation may include, but may not be limited to, engineered signed and stamped plans, details, anchorage layouts for equipment on stands to show compliance with locally adopted ASCE, seismic, fire, and other codes. A copy of these required documents shall be included with the product submittal to the Design Team/consultant team for their review.

#### 1.06 PRODUCT SUBSTITUTIONS

- A. Follow requirements specified in Division 1 - General Requirements.
- B. Additional costs resulting from substitution of products, accessories or deviations of operations as described in Section 2, other than those specified, including drawing changes and construction, will be at the expense of the Contractor, captured and reviewed as part of the shop drawing review. All design deviations of the proposed charging system including operational changes, changes required to facility mounted equipment and controls, to be documented on the project specific shop drawings and product data review.
- C. Substitution Approval: Manufacturers listed for each equipment item may bid without prior-submittal authorization for that item. Manufacturers not listed shall submit for approval in accordance with "Instructions to Bidders". Prior to procurement, submittals for each equipment item by equipment reference number shall be provided in accordance with Division 1 - General Requirements.

#### 1.07 WARRANTY

- A. Warrant work specified herein for one year from substantial completion against defects in materials, function, workmanship and charging system operational design.

- B. Warranty shall include materials and labor necessary to correct defects including replacement of charging system operational elements with re-designed components.
- C. Defects shall include, but not be limited to loose, damaged and missing parts and abnormal deterioration of finish, excessive cord wear.
- D. Operational design defects include systemic bent charging and charging communications connector pins, damaged charging cord conductors and internal wiring, breakage and deterioration of charging plug-in mating elements (ports, charging connector) during routine daily use of charging system.
- E. Submit warranties in accordance with Division 1 - General Requirements of these specifications.
- F. All parts shall be readily available locally in the United States.

1.08 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver equipment in manufacturer's containers, appropriately packaged and/or crated for protection during shipment and storage in humid, dusty conditions. Equipment shall be stored per manufacturer's recommendation.
- B. Indelibly label all containers, including those contained in others, on outside with item description(s) per title and Mark Number of this specification.
- C. Provide equipment and materials specified complete in one shipment for each equipment item. Split or partial shipments are not permissible.

1.09 LABELING

- A. Manufacturer shall securely attach in a prominent location on each major item of equipment the following labels:
  - 1. A non-corrosive nameplate showing manufacturer's name, address, model number, serial number, and pertinent utility or operating data.
  - 2. All NFPA and /or OSHA compliant labels as required by those codes, including but not necessarily limited to labels indicating safety alerts, high voltage warnings, and arc flash warning.
  - 3. Matching labels on each EV Charging Cabinet that clearly identifies which EV charging unit are paired (connected) with each disconnect / switch. All labels shall be easily read from ground level. Coordinate label terminology with Owner prior to installation.
- B. All electrical equipment and materials shall be new and shall be listed by Underwriter's Laboratories, Inc. (U.L.), or other US National Recognized Testing Laboratory (NRTL) acceptable to both the design team and local code officials, in categories for which standards have been set by that agency and labeled as such in the manufacturer's plant.

**PART 2 – PRODUCTS**

2.01 LEVEL 2 DUAL EV (ELECTRIC VEHICLE) CHARGER  
Equipment Reference: Key Note 1 on drawing ES100

- A. General:

1. Description: A stationary upright cabinet self supporting ground mounted unit containing a AC/DC rectifying capabilities and a dual corded handheld plugs capable of being manually connected to the charging port of an electric vehicle, charging controls and public facing retail payment system by onboard human machine interface (HMI) screen and cloud based control and payment system, and then automatically charging the connected vehicle utilizing direct current (DC) electrical power. Unit must be capable of charging two vehicles concurrently, one vehicle connected to each individual charging cord, with two separate public retail payment and charge control interactions.
  2. Coordination: Specification information indicated herein is intended as general requirement only. Final design of the system shall be by the manufacturer and shall be presented in the project specific submittals as a fully coordinated, complete charging system design.
  3. Compliance: The equipment and final design shall comply with the most current editions of all applicable local, state, and federal codes and regulations, including, but not limited to, those listed below.
    - a. NFPA 70: National Electric Code (NEC), most recent edition.
    - b. SAE J1772: SAE Electric Vehicle and Plug-in Hybrid Electric Vehicle Conductive Charge Coupler, most recent edition.
    - c. ANSI/IEC 60529: Degrees of Protection Provided by Electrical Enclosures, most recent edition.
    - d. NFPA 70E: Standard for Electrical Safety in the Workplace, most recent edition.
    - e. CFR 1910.147: Code of Federal Regulations, Occupational Safety and Health Standards, General Environmental Controls, The Control of Hazardous Energy (Lockout / Tagout), most recent edition.
    - f. UL and cUL listed, complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625
    - g. EMC Compliance FCC Part 15 Class A
    - h. ENERGY STAR certified
  4. Components:
    - a. Level 2 Dual EV (Electric Vehicle) Charger.
    - b. All components, interconnecting cabling and conduits between components, software, cloud based retail payment and charge controls and accessories for a fully and properly operational device.
- B. Capacities and Dimensions:
1. Output power at each charging cord connector, minimum: 7.2 kilowatts (kW)
  2. Input voltage at the EV charger, nominal: 240 volts, alternating current (VAC)
  3. Input frequency at EV charger, nominal: 60 hertz (Hz)

4. Input power at the EV charger, nominal: minimum 40A (Amps) dual pole (non-GFCI type).x 2
  5. Charging Station Power, nominal: 8W typical (standby), 15 W maximum (operation)
  6. Overall dimensions, EV Charging Unit, nominal:
    - a. Width: 13.7 inches.
    - b. Depth: 18.5 inches.
    - c. Height: 95.5 inches.
  7. Station enclosure rating: Type 3R per UL 50E
  8. Station surge protection: 6 kV @ 3,000A
  9. Operating Temperature -40°C to 50°C (-40°F to 122°F)
  10. Terminal Block Temperature Rating: 105°C (221°F)
  11. Operating Humidity Up to 85% @ 50°C (122°F) non-condensing
- C. Features and Construction:
1. Electric vehicle charging station for commercial / retail applications and rated for exterior. Charger shall be connected to a cloud based charging network
    - a. No power sharing of connected dual chargers to a single circuit is allowed. Each cord and connector on unit to be independently connected to a power circuit.
  2. Charging unit user controls:
    - a. 640 by 480 resolution active matrix LCD screen which allows station owners to upload to 60 seconds of 30 fps full motion video. Owner uploaded video can be used for advertising or communicating messages to employees or visitors
    - b. VGA-resolution, daylight-viewable LCD screen with UV protection. Daylight readable and fingerprint resistant.
    - c. Displays power, charging, charging complete, remote control, system status, faults, payment and pricing details, and service.
    - d. Display provides user instructional video in English, French, Spanish
    - e. Screen touch button interface shall work in rain, ice and with gloved hands
  3. Unit includes integral LTE modem to automatically configure to operate as gateway or non-gateway as needed. Modem and internal antennas and gateway to be certified by PTCRB for operation in the United States and Canada and for operation on minimum of AT&T, Verizon, and T-Mobile cellular networks.
  4. Multiple units shall be independently connected to a cloud based charging network.

5. Individual units shall be capable of indicating station status and availability providing or connecting user to customer support and remote control.
6. Networking:
  - a. WAN Communications: Cellular GSM/GPRS and CDMA.
  - b. LAN Communications: 2.4 GHz Wi-Fi 802.11b/g/n.
  - c. Capable of remote configuration, diagnostics and reporting.
  - d. Capable of remote software updates (future proof).
7. Payment System:
  - a. RFID (ISO 15693, ISO 14443), NFC, Contactless credit card reader.
  - b. PCI (Payment Card Industry) compliant.
  - c. Capable of remote control and authorization including mobile phone application or toll free phone number.
8. Connector type
  - a. Two independent controlled SAE J1772 connectors capable of being independently operated by different users including separate charging start and stop times, controls and payment systems.
  - b. Two independent eighteen foot charging cords with overhead cable management that retracts excess cord to prevent cord from coiling and abrading against the ground and surrounding pavement.
  - c. Two independently tamper resistant locking holster
9. Safety and Connectivity Features
  - a. Ground Fault Detection 20 mA CCID with auto retry
  - b. Open Safety Ground Detection Continuously monitors presence of safety (green wire) ground connection
  - c. Plug-Out Detection Power terminated per SAE J1772TM specifications
  - d. Power Measurement Accuracy +/- 2% from 2% to full scale (30A)
  - e. Power Report/Store Interval 15 minute, aligned to hour. Vehicle to grid connected and responsive to TOU signals
  - f. Local Area Network 2.4 GHz WiFi (802.11 b/g/n)
  - g. Wide Area Network LTE Category 4
10. Energy Measurement and Management:
  - a. Real-time energy measurement
  - b. 15 minute interval recording
  - c. Owner set pricing including Time of Day (TOD) pricing capable

D. Finish:

1. Exterior panels of unit to be constructed of anodized and painted aluminum and UV-resistant plastic.

2. Unit enclosure assembled with security screw

E. Accessories:

1. Charging Network: Charger compatible with a cloud based charging network able to:
  - a. Monitor the EV chargers for operational status, for periodic updates and real time alerts to owner of damaged or non-operational units.
  - b. Accept and manage retail charging purchases of individual EV charger users
    - 1) Sign up new users via web based app
    - 2) Accept and setup payment to Charging Network via web based ap
2. Bollard Concrete Mounting Kit – CT4001-CCM
3. ChargePoint Enterprise Plan – CPCLD-ENTERPRISE-3 / 3 Years with options to renew
4. ChargePoint Assure – CT4000-ASSURE-3 / 3 Years with options to renew
5. Station Activation and Configuration – CPSUPPORT-ACTIVE

F. Manufacturers Reference:

1. Prime manufacturer: Specifications are based on equipment identified herein by manufacturer's name and model to establish acceptable standards of quality, performance, features, and construction.
  - a. ChargePoint Inc.  
240 East Hacienda Avenue  
Campbell, CA 95008-6617  
Phone: +1 (408) 841-4500h  
Email: sales@chargepoint.com  
Website: www.chargepoint.com
  - b. Model: CT4025-GW1, with Accessories.
2. Other manufacturers: Contingent upon compliance with these specifications and documentation requirements set forth in SUBMITTALS, equipment produced by other manufacturers may be considered as equal.

2.02 LEVEL 3 SINGLE EV (Electric Vehicle) CHARGER  
Equipment Reference: Key Note 2 on drawing ES100

A. General:

1. Description: A stationary upright cabinet self supporting ground mounted unit containing a AC/DC rectifying capabilities and a dual corded handheld plugs capable of being manually connected to the charging port of an electric vehicle, charging controls and public facing retail payment system by onboard human machine interface (HMI) screen and cloud based control and payment system, and then automatically charging the connected vehicle utilizing direct current (DC) electrical power. Unit must be capable of charging one vehicle

connected to one of the two individual charging cord and connectors, with public retail payment and charge control interactions.

2. Coordination: Specification information indicated herein is intended as general requirement only. Final design of the system shall be by the manufacturer and shall be presented in the project specific submittals as a fully coordinated, complete charging system design.
3. Compliance: The equipment and final design shall comply with the most current editions of all applicable local, state, and federal codes and regulations, including, but not limited to, those listed below.
  - a. NFPA 70: National Electric Code (NEC), most recent edition.
  - b. SAE J1772: SAE Electric Vehicle and Plug-in Hybrid Electric Vehicle Conductive Charge Coupler, most recent edition.
  - c. ANSI/IEC 60529: Degrees of Protection Provided by Electrical Enclosures, most recent edition.
  - d. NFPA 70E: Standard for Electrical Safety in the Workplace, most recent edition.
  - e. CFR 1910.147: Code of Federal Regulations, Occupational Safety and Health Standards, General Environmental Controls, The Control of Hazardous Energy (Lockout / Tagout), most recent edition.
  - f. UL and cUL listed, complies with UL 2202, UL 2231-1, UL 2231-2, CSA 107.1. CE marking: complies with IEC 62196, IEC 61851
  - g. EMC Compliance FCC Part 15 Class A
4. Components:
  - a. Level 3 Single EV (Electric Vehicle) Charger.
  - b. All components, interconnecting cabling and conduits between components, software, cloud based retail payment and charge controls and accessories for a fully and properly operational device.

B. Capacities and Dimensions:

1. Output power at charging cord connector, minimum: 62.5 kilowatts (kW)
2. Output Voltage, Charging: 200-1,000V DC
3. Input voltage at the EV charger, nominal: 480 volts, alternating current (VAC)
4. Input frequency at EV charger, nominal: 60 hertz (Hz)
5. Input power at the EV charger, nominal: minimum 3-phase 96A (Amps)
6. Overall dimensions, EV charging unit, nominal:
  - a. Width: 46.3 inches.

- b. Depth: 17.4 inches.
  - c. Height: 88.2 inches.
  - 7. Station enclosure rating: Type 3R IP54h
  - 8. Station Impact Rating: IK10
  - 9. Station surge protection: Tested to IEC 6100-4-5, Level 5 (6 kV @ 3,000A)
  - 10. Operating Temperature -40°C to 50°C (-40°F to 122°F)
  - 11. Operational Altitude: <3,000 m (9,800 ft)
  - 12. Operating Humidity Up to 95% @ 50°C (122°F) non-condensing
  - 13. Station Weight (without Power Modules): 551 lbs
  - 14. Power Module:
    - a. Minimum two per unit
    - b. Maximum output power: 31.25 kW
    - c. Max output current: 78 A
    - d. Power Conversions: > 95%
    - e. Power Factor: 0.99 at full load
    - f. Harmonics: iTHD < 5% (Complies with IEEE 519 Requirements)
    - g. Power Module Cooling: Liquid Cooling Technology
    - h. Weight: 98.5 lbs each
- C. Features and Construction:
- 1. Electric vehicle charging station for commercial / retail applications and rated for exterior. Charger shall be connected to a cloud based charging network.
  - 2. Charging unit user controls:
    - a. LCD Display: TFull-color 254 mm (10 in) display for user interaction
    - b. Top Display: Full-color 508 mm (20 in) LED display for notifications
    - c. VGA-resolution, daylight-viewable LCD screen with UV protection. Daylight readable and fingerprint resistant.
    - d. Displays power, charging, charging complete, remote control, system status, faults, payment and pricing details, and service.
    - e. Display provides user instructional video in English, French, Spanish

- f. Screen touch button interface shall work in rain, ice and with gloved hands
3. Authentication:
  - a. RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR)
  - b. Tap to Charge (NFC on Apple & Android): 15118-2 (EIM)
  - c. Remote: Mobile and in vehicle (if supported by vehicle)
4. Wide Area Network includes integral minimum 4G LTE modem to automatically configure to operate as gateway or non-gateway as needed. Modem and internal antennas and gateway to be certified by PTCRB for operation in the United States and Canada and for operation on minimum of AT&T, Verizon, and T-Mobile cellular networks.
5. Local Area Network includes 2.4 GHz and 5 GHz WiFi (802.11 b/g/n)
6. Multiple units shall be independently connected to a cloud based charging network.
7. Individual units shall be capable of indicating station status and availability providing or connecting user to customer support and remote control.
8. Networking:
  - a. WAN Communications: Cellular GSM/GPRS and CDMA.
  - b. LAN Communications: 2.4 GHz Wi-Fi 802.11b/g/n.
  - c. Capable of remote configuration, diagnostics and reporting.
  - d. Capable of remote software updates (future proof).
  - e. Supported Communication Protocols: OCPP
9. Payment System:
  - a. RFID (ISO 15693, ISO 14443), NFC, Contactless credit card reader.
  - b. PCI (Payment Card Industry) compliant.
  - c. Capable of remote control and authorization including mobile phone application or toll free phone number.
10. Charging Cord and Connector type
  - a. Minimum two cords with different connectors per EV charging unit:
    - 1) CHAdeMO
    - 2) CCS1 (SAE J1772 Combo).
  - b. EV Charging unit will allow either of the charging cords and connectors to be accessed as part of a single EV charging operation but only one cord and connector will be energized per charging session.
  - c. Cord Management: Minimum full horizontal reach of 14-ft per cord, mounted to overhead swing arm.
  - d. Two independently tamper resistant locking holster
11. Safety and Connectivity Features
  - a. Ground Fault Detection 20 mA CCID with auto retry
  - b. Open Safety Ground Detection Continuously monitors presence of safety (green wire) ground connection

- c. Plug-Out Detection Power terminated per JEVS G104 (CHAdeMO), SAE J2931 (CCS1)
  - d. Vehicle Safety Communication: CHAdeMO – JEVS G104 over CAN, CCS1 – SAE J1772 over PLC
  - e. Power Measurement Accuracy +/- 2% from 2% to full scale (30A)
  - f. Power Report/Store Interval 15 minute, aligned to hour. Vehicle to grid connected and responsive to TOU signals
  - g. Local Area Network 2.4 GHz WiFi (802.11 b/g/n)
  - h. Wide Area Network LTE Category 4
12. Energy Measurement and Management:
- a. Real-time energy measurement
  - b. 15 minute interval recording
  - c. Owner set pricing including Time of Day (TOD) pricing capable
  - d. Dynamic Power Management: allows a maximum power output per station if set by owner or system capable of dynamically managing the power distribution per station.
  - e. Remote Energy Management: Manage output power minimum via the manufacture Admin Portal, API, and Open ADR 2.0b VE
- D. Finish:
- 1. Exterior panels of unit to be constructed of anodized and painted aluminum and UV-resistant plastic.
  - 2. Unit enclosure assembled with security screw
- E. Accessories:
- 1. Charging Network: Charger compatible with a cloud based charging network able to:
    - a. Monitor the EV chargers for operational status, for periodic updates and real time alerts to owner of damaged or non-operational units.
    - b. Accept and manage retail charging purchases of individual EV charger users
      - 1) Sign up new users via web based app
      - 2) Accept and setup payment to Charging Network via web based ap
  - 2. ChargePoint Express 250 Concrete Mounting Template – CPE250-CMT
  - 3. ChargePoint Enterprise Cloud Plan – CPCLD-ENTERPRISE-DC-3 / 3 Years with options to renew

4. ChargePoint Assure –CPE250-ASSURE-3/ 3 Years with options to renew
5. Station Activation and Configuration included with Enterprise Cloud Plan

F. Manufacturers Reference:

1. Prime manufacturer: Specifications are based on equipment identified herein by manufacturer's name and model to establish acceptable standards of quality, performance, features, and construction.
  - a. ChargePoint Inc.  
240 East Hacienda Avenue  
Campbell, CA 95008-6617  
Phone: +1 (408) 841-4500h  
Email: sales@chargepoint.com  
Website: www.chargepoint.com
  - b. Model: CPE250C-625-CCS1-CHDh, with Accessories.
2. Other manufacturers: Contingent upon compliance with these specifications and documentation requirements set forth in SUBMITTALS, equipment produced by other manufacturers may be considered as equal.

2.03 LEVEL 2 SINGLE EV (Electric Vehicle) CHARGER  
Equipment Reference: Key Note 4 on drawing ES100

A. General:

1. Description: A stationary upright cabinet self supporting ground mounted unit containing a AC/DC rectifying capabilities and a single corded handheld plugs capable of being manually connected to the charging port of an electric vehicle, charging controls and public facing retail payment system by onboard human machine interface (HMI) screen and cloud based control and payment system, and then automatically charging the connected vehicle utilizing direct current (DC) electrical power. Unit must be capable of charging one vehicle connected to charging cord, with one separate public retail payment and charge control interactions.
2. Coordination: Specification information indicated herein is intended as general requirement only. Final design of the system shall be by the manufacturer and shall be presented in the project specific submittals as a fully coordinated, complete charging system design.
3. Compliance: The equipment and final design shall comply with the most current editions of all applicable local, state, and federal codes and regulations, including, but not limited to, those listed below.
  - a. NFPA 70: National Electric Code (NEC), most recent edition.
  - b. SAE J1772: SAE Electric Vehicle and Plug-in Hybrid Electric Vehicle Conductive Charge Coupler, most recent edition.
  - c. ANSI/IEC 60529: Degrees of Protection Provided by Electrical Enclosures, most recent edition.

- d. NFPA 70E: Standard for Electrical Safety in the Workplace, most recent edition.
  - e. CFR 1910.147: Code of Federal Regulations, Occupational Safety and Health Standards, General Environmental Controls, The Control of Hazardous Energy (Lockout / Tagout), most recent edition.
  - f. UL and cUL listed, complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625
  - g. EMC Compliance FCC Part 15 Class A
  - h. ENERGY STAR certified
4. Components:
- a. Level 2 Single EV (Electric Vehicle) Charger.
  - b. All components, interconnecting cabling and conduits between components, software, cloud based retail payment and charge controls and accessories for a fully and properly operational device.
- B. Capacities and Dimensions:
- 1. Output power at charging cord connector, minimum: 7.2 kilowatts (kW)
  - 2. Input voltage at the EV charger, nominal: 240 volts, alternating current (VAC)
  - 3. Input frequency at EV charger, nominal: 60 hertz (Hz)
  - 4. Input power at the EV charger, nominal: minimum 40A (Amps) dual pole (non-GFCI type)
  - 5. Charging Station Power, nominal: 8W typical (standby), 15 W maximum (operation)
  - 6. Overall dimensions, EV Charging Unit, nominal:
    - a. Width: 13.7 inches.
    - b. Depth: 18.5 inches.
    - c. Height: 71.3 inches.
  - 7. Station enclosure rating: Type 3R per UL 50E
  - 8. Station surge protection: 6 kV @ 3,000A
  - 9. Operating Temperature -40°C to 50°C (-40°F to 122°F)
  - 10. Terminal Block Temperature Rating: 105°C (221°F)
  - 11. Operating Humidity Up to 85% @ 50°C (122°F) non-condensing
- C. Features and Construction:

1. Electric vehicle charging station for commercial / retail applications and rated for exterior. Charger shall be connected to a cloud based charging network
2. Charging unit user controls:
  - a. 640 by 480 resolution active matrix LCD screen which allows station owners to upload to 60 seconds of 30 fps full motion video. Owner uploaded video can be used for advertising or communicating messages to employees or visitors
  - b. VGA-resolution, daylight-viewable LCD screen with UV protection. Daylight readable and fingerprint resistant.
  - c. Displays power, charging, charging complete, remote control, system status, faults, payment and pricing details, and service.
  - d. Display provides user instructional video in English, French, Spanish
  - e. Screen touch button interface shall work in rain, ice and with gloved hands
3. Unit includes integral LTE modem to automatically configure to operate as gateway or non-gateway as needed. Modem and internal antennas and gateway to be certified by PTCRB for operation in the United States and Canada and for operation on minimum of AT&T, Verizon, and T-Mobile cellular networks.
4. Multiple units shall be independently connected to a cloud based charging network.
5. Individual units shall be capable of indicating station status and availability providing or connecting user to customer support and remote control.
6. Networking:
  - a. WAN Communications: Cellular GSM/GPRS and CDMA.
  - b. LAN Communications : 2.4 GHz Wi-Fi 802.11b/g/n.
  - c. Capable of remote configuration, diagnostics and reporting.
  - d. Capable of remote software updates (future proof).
7. Payment System:
  - a. RFID (ISO 15693, ISO 14443), NFC, Contactless credit card reader.
  - b. PCI (Payment Card Industry) compliant.
  - c. Capable of remote control and authorization including mobile phone application or toll free phone number.
8. Connector type
  - a. One SAE J1772 connectors capable of charging start and stop times, controls and payment systems.
  - b. One eighteen foot charging cords with overhead cable management that retracts excess cord to prevent cord from coiling and abrading against the ground and surrounding pavement.
  - c. One independently tamper resistant locking holster
9. Safety and Connectivity Features
  - a. Ground Fault Detection 20 mA CCID with auto retry

- b. Open Safety Ground Detection Continuously monitors presence of safety (green wire) ground connection
  - c. Plug-Out Detection Power terminated per SAE J1772TM specifications
  - d. Power Measurement Accuracy +/- 2% from 2% to full scale (30A)
  - e. Power Report/Store Interval 15 minute, aligned to hour. Vehicle to grid connected and responsive to TOU signals
  - f. Local Area Network 2.4 GHz WiFi (802.11 b/g/n)
  - g. Wide Area Network LTE Category 4
10. Energy Measurement and Management:
- a. Real-time energy measurement
  - b. 15 minute interval recording
  - c. Owner set pricing including Time of Day (TOD) pricing capable
- D. Finish:
- 1. Exterior panels of unit to be constructed of anodized and painted aluminum and UV-resistant plastic.
  - 2. Unit enclosure assembled with security screw
- E. Accessories:
- 1. Charging Network: Charger compatible with a cloud based charging network able to:
    - a. Monitor the EV chargers for operational status, for periodic updates and real time alerts to owner of damaged or non-operational units.
    - b. Accept and manage retail charging purchases of individual EV charger users
      - 1) Sign up new users via web based app
      - 2) Accept and setup payment to Charging Network via web based ap
  - 2. Bollard Concrete Mounting Kit – CT4001-CCM
  - 3. ChargePoint Enterprise Plan – CPCLD-ENTERPRISE-3 / 3 Years with options to renew
  - 4. ChargePoint Assure – CT4000-ASSURE-3 / 3 Years with options to renew
  - 5. Station Activation and Configuration – CPSUPPORT-ACTIVE
- F. Manufacturers Reference:

1. Prime manufacturer: Specifications are based on equipment identified herein by manufacturer's name and model to establish acceptable standards of quality, performance, features, and construction.
  - a. ChargePoint Inc.  
240 East Hacienda Avenue  
Campbell, CA 95008-6617  
Phone: +1 (408) 841-4500h  
Email: sales@chargepoint.com  
Website: www.chargepoint.com
  - b. Model: CT4011-GW1, with Accessories.
2. Other manufacturers: Contingent upon compliance with these specifications and documentation requirements set forth in SUBMITTALS, equipment produced by other manufacturers may be considered as equal.

### **PART 3 - EXECUTION**

#### **3.01 INSPECTION**

- A. Coordinate location of rough-in work and utility stub-outs to assure match and/or non-interference with equipment to be installed.
- B. Inspect delivered equipment for damage from shipping and exposure to weather. Compare delivered equipment with packing lists and specifications to assure receipt of all items.

#### **3.02 INSTALLATION**

- A. Perform work under direct supervision of Foreman or Construction Superintendent with authority to coordinate installation of scheduled equipment with Design Team.
- B. Coordinate work with Manufacturer's Representative indicated in Part 1.03 of this specification section.
  1. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
  2. Examine roughing-in for EV charging equipment electrical conduit to verify actual locations of conduit connections before equipment installation.
  3. Examine pavement for suitable conditions where EV charging equipment will be installed.
  4. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. Install equipment in accordance with plans, shop drawings, and manufacturer's instructions:
  1. Initial owner mockup for positioning: At a parked vehicle charging position to be identified by owner, provide installation mockup of each type of EV charging unit with actual charging cord, attached charge connector plug. Mock-up to shall allow in-field adjustment of individual charging components, including but not necessarily limited to, electrical junction boxes, mounting and support brackets, cord and charge connector orientation.

2. Positioning: Place equipment in accordance with any noted special positioning requirements generally level, plumb and at right angles to adjacent work.
3. Fitting: Where field cutting or trimming is necessary, perform in a neat, accurate, professional manner without damaging equipment or adjacent work.
4. Anchorage: Attach equipment securely to concrete support pad and manufacturer's concrete mounting kit, per manufacturer's instructions and as directed by Design Team, to prevent damage resulting from inadequate fastening. Installation fasteners shall be installed to avoid scratching or damaging adjacent surfaces. Upon completion of work, finish surfaces shall be free of tool marks, scratches, blemishes, and stains.
5. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping
6. Install EV charging equipment on 6-inch nominal-thickness concrete base. Base should be 24-inch diameter or square (minimum 12-inch) from the center located conduit stub-up). Comply with requirements for concrete base specified in Section 033000 "Cast-in-Place Concrete".
  - a. Install dowel rods to connect concrete base to pavement. Unless otherwise indicated, install dowel rods on 18-inch centers around the full perimeter of concrete base.
  - b. For supported equipment utilized manufactures accessory mounting kit and for all fasteners not included in kit but required for installation utilize epoxy-coated anchor bolts that at a minimum extend through concrete base and anchor into pavement.
  - c. Place and secure anchorage devices. Use setting drawings, accessory mouting kit templates, diagrams, instructions, and directions furnished with items to be embedded.
  - d. Install anchor bolts to elevations required for proper attachment to supported equipment.
  - e. Secure EV charging equipment to concrete base according to manufacturer's written instructions.
7. Bollard Mounting:
  - f. Allow a minimum of 24 inches of clearance around EV charging equipment.
  - g. EV charging equipment receptacles or holders shall be not less than 24 inches and not more than 4 feet above finished grade.
  - h. Mount EV charging equipment plumb and rigid without distortion of enclosure.
  - i. Secure EV charging equipment according to manufacturer's written instructions.
8. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A-486B

### 3.03 TESTING

- A. After final connections are made and prior to authorizing payment, specified equipment shall be tested for compliance with specification in the presence of the Design Team using acceptance procedures provided by the manufacturer.
- B. Final testing and post installation inspection are required and shall be performed by the manufacturer or the manufacturer's designated representative only. Final testing and inspection shall not be performed by the installer, unless the installer is also the manufacturer.
- C. Manufacturer / Installer shall provide a testing procedure and checklist that indicates proper testing of all major functions of the equipment. This procedure and checklist will form the basis of the testing process.
- D. Tests and Inspections:
  - 1. For each unit of EV charging equipment, perform the following tests and inspections:
    - a. Unit self-test.
  - 2. Operation test with EV.
  - 3. Network communications test.
- E. EV charging equipment will be considered defective if it does not pass tests and inspections.
- F. Prepare test and inspection reports.
- G. Startup Service: Engage a factory authorized service representative to perform startup service
  - 1. Complete installation and startup checks according to manufacturer's written instructions.

### 3.04 CLEANUP

- A. Touch-up damage to painted finishes.
- B. Wipe and clean equipment of any oil, grease, and solvents, and make ready for use.
- C. Clean area around equipment installation and remove packing or installation debris from job site.
- D. Notify Design Team for acceptance inspection.

### 3.05 TRAINING

- A. Direct the technical representative to provide specified hours of training to designated Owner's maintenance personnel in operation and maintenance of the following equipment. Coordinate, with Owner, training schedule and list of personnel to be trained.
  - 1. LEVEL 2 DUAL EV (ELECTRIC VEHICLE) CHARGER  
Equipment Reference: Key Note 1 on drawing ES1000  
Hours Required: 4

2. LEVEL 3 SINGLE EV (Electric Vehicle) CHARGER  
Equipment Reference: Key Note 2 on drawing ES100  
Hours Required: 4
  3. LEVEL 2 SINGLE EV (Electric Vehicle) CHARGER  
Equipment Reference: Key Note 4 on drawing ES100  
Hours Required: 4
- B. Obtain, from technical representative, a list of Owner's personnel trained in equipment operations and maintenance.
- C. Provide a Windows compatible movie file format recording on DVD disk of the training session. The DVD training movie can be of a live session or a produced training video.

#### PART 4 – MEASUREMENT AND PAYMENT

##### 4.01 MEASUREMENT

- A. Work in Specification Section 111136 Vehicle Charging Equipment shall be measured for payment for EACH (EA) unit installed.

##### 4.02 PAYMENT

- A. Work covered by Specification Section 111136 Vehicle Charging Equipment shall be compensated by the EACH (EA), which price shall include all costs for materials, labor, tools, equipment, testing and all else necessary therefore and incidental thereto.

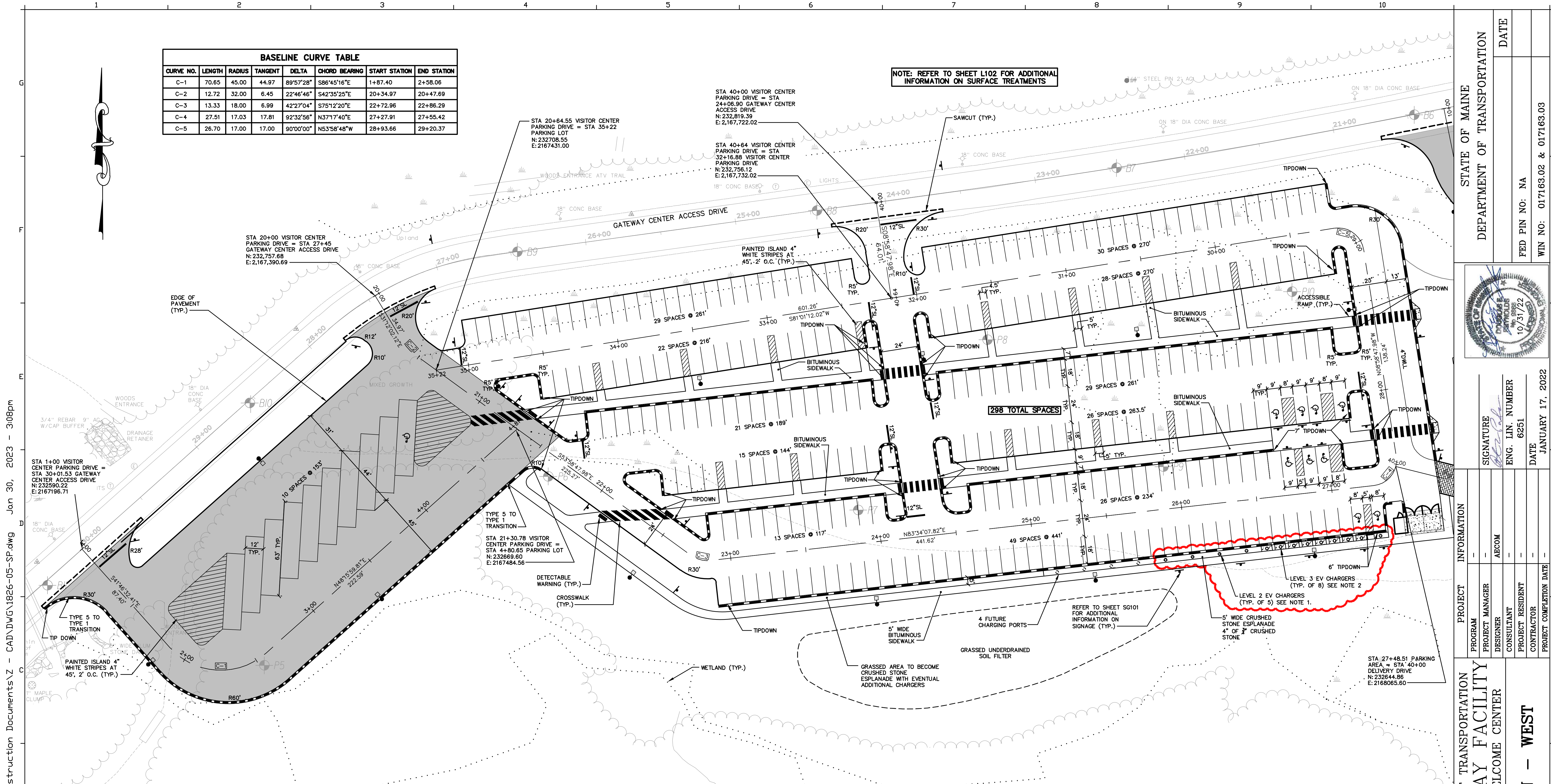
##### 4.03 PAYMENT ITEMS

655.12 EV CHARGING STATION - LEVEL 2 SINGLE PORT	1 EACH
655.12 EV CHARGING STATION – LEVEL 2 DUAL PORT	4 EACH
655.13 EV CHARGING STATION - LEVEL 3 SINGLE PORT	8 EACH

**END OF SECTION 11 11 36**

BASELINE CURVE TABLE							
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	START STATION	END STATION
C-1	70.65	45.00	44.97	89°57'28"	S86°45'16"E	1+87.40	2+58.06
C-2	12.72	32.00	6.45	22°46'46"	S42°35'25"E	20+34.97	20+47.69
C-3	13.33	18.00	6.99	42°27'04"	S75°12'20"E	22+72.96	22+86.29
C-4	27.51	17.03	17.81	92°32'56"	N37°17'40"E	27+27.91	27+55.42
C-5	26.70	17.00	17.00	90°00'00"	N53°58'48"W	28+93.66	29+20.37

NOTE: REFER TO SHEET L102 FOR ADDITIONAL INFORMATION ON SURFACE TREATMENTS



STA 20+00 VISITOR CENTER PARKING DRIVE = STA 27+45 GATEWAY CENTER ACCESS DRIVE  
N: 232,757.68  
E: 2,167,390.69

STA 40+64 VISITOR CENTER PARKING DRIVE = STA 32+16.88 VISITOR CENTER PARKING DRIVE  
N: 232,756.12  
E: 2,167,732.02

STA 1+00 VISITOR CENTER PARKING DRIVE = STA 30+01.53 GATEWAY CENTER ACCESS DRIVE  
N: 232,590.22  
E: 2,167,196.71

STA 21+30.78 VISITOR CENTER PARKING DRIVE = STA 4+80.85 PARKING LOT  
N: 232,669.80  
E: 2,167,484.56

STA 27+48.51 PARKING AREA = STA 40+00 DELIVERY DRIVE  
N: 232,644.96  
E: 2,168,065.60

PAVEMENT LEGEND	
ALL PAVEMENT SHALL BE STANDARD DUTY EXCEPT AS FOLLOWS:	
	PORTLAND CEMENT CONCRETE
	HEAVY DUTY BITUMINOUS PAVEMENT

CURBING LEGEND	
	VERTICAL GRANITE CURB
	SLOPED GRANITE CURB

NOTE: ALL TIPDOWNS TO BE 4' UNLESS OTHERWISE NOTED.

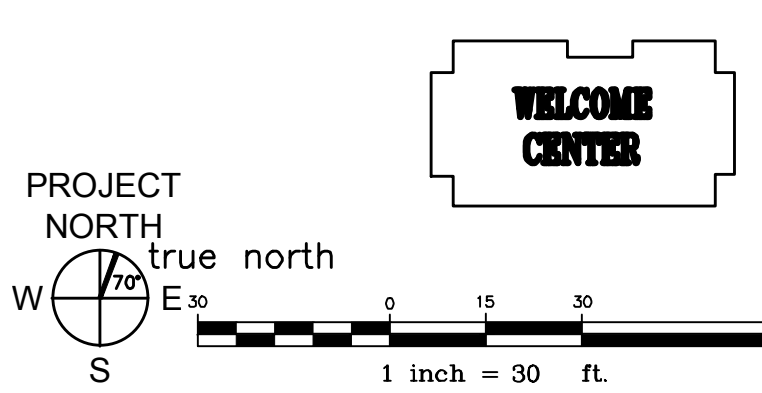
STRIPING LEGEND	
SIGNAGE, STRIPING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGARDING SIZE, INSTALLATION, LOCATION & REFLECTIVITY.	
	12"SL - 12" WIDTH STOP LINE
	4"SWL - 4" WIDTH SOLID WHITE LANE LINE
	4"DYCL - 4" WIDTH DOUBLE YELLOW CENTERLINE
	4"DWLL - 4" WIDTH DASHED WHITE LANE LINE

NOTES:

- CONCRETE PADS FOR LEVEL 2 EV CHARGERS SHALL HAVE A MINIMUM THICKNESS OF 6" AND BE 24" DIAMETER OR SQUARE (MINIMUM 12" FROM THE CENTER LOCATED CONDUIT STUB UP). CONCRETE MIX SHALL BE 4000 PSI PER DIVISION 033000 SPECIFICATIONS.
- CONCRETE PADS FOR LEVEL 3 EV CHARGERS SHALL BE 85" LONG X 50" WIDE X 72" DEEP PER THE MANUFACTURERS RECOMMENDATIONS WITH #5 REBAR TOP AND BOTTOM AT 12" O.C. EACH WAY. CONCRETE MIX SHALL BE 4000 PSI PER DIVISION 033000 SPECIFICATIONS.

AMENDMENT #7 REVISIONS:  
- REVISED EV CHARGING PADS

PROJECT KEY PLAN



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE	
SIGNATURE		FED PIN NO: NA	
DESIGNER		WIN NO: 017163.02 & 017163.03	
PROJECT MANAGER		DATE	
CONSULTANT		JANUARY 17, 2022	
PROJECT RESIDENT		PROJECT COMPLETION DATE	
CONTRACTOR		PROJECT COMPLETION DATE	
PROGRAM		PROJECT INFORMATION	
PROJECT MANAGER		PROJECT MANAGER	
DESIGNER		DESIGNER	
PROJECT RESIDENT		PROJECT RESIDENT	
CONTRACTOR		CONTRACTOR	
PROJECT COMPLETION DATE		PROJECT COMPLETION DATE	
MAINE DEPARTMENT OF TRANSPORTATION ACADIA GATEWAY FACILITY INTERMODAL AND WELCOME CENTER		CIVIL SITE PLAN - WEST	
SHEET NUMBER		C103	

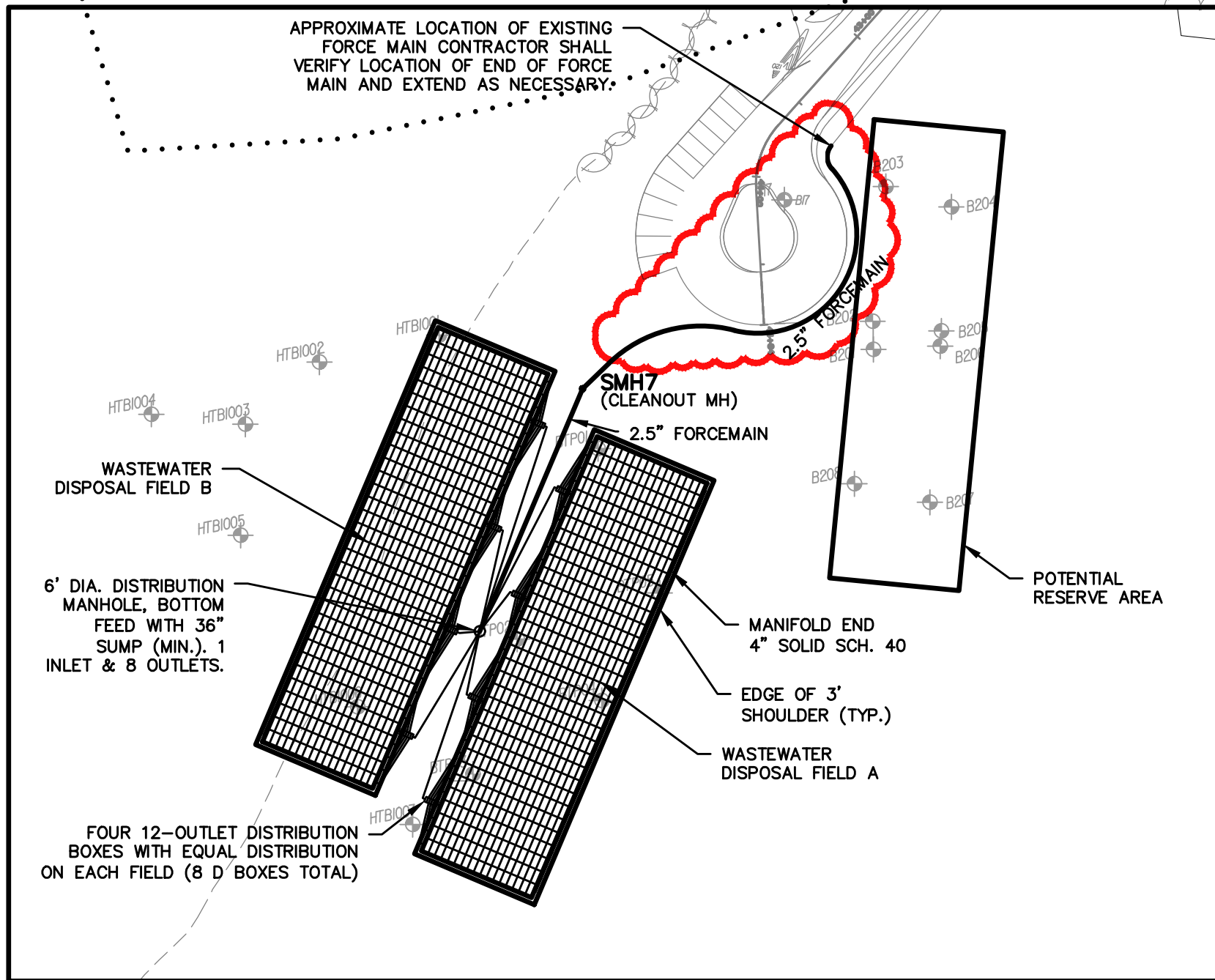
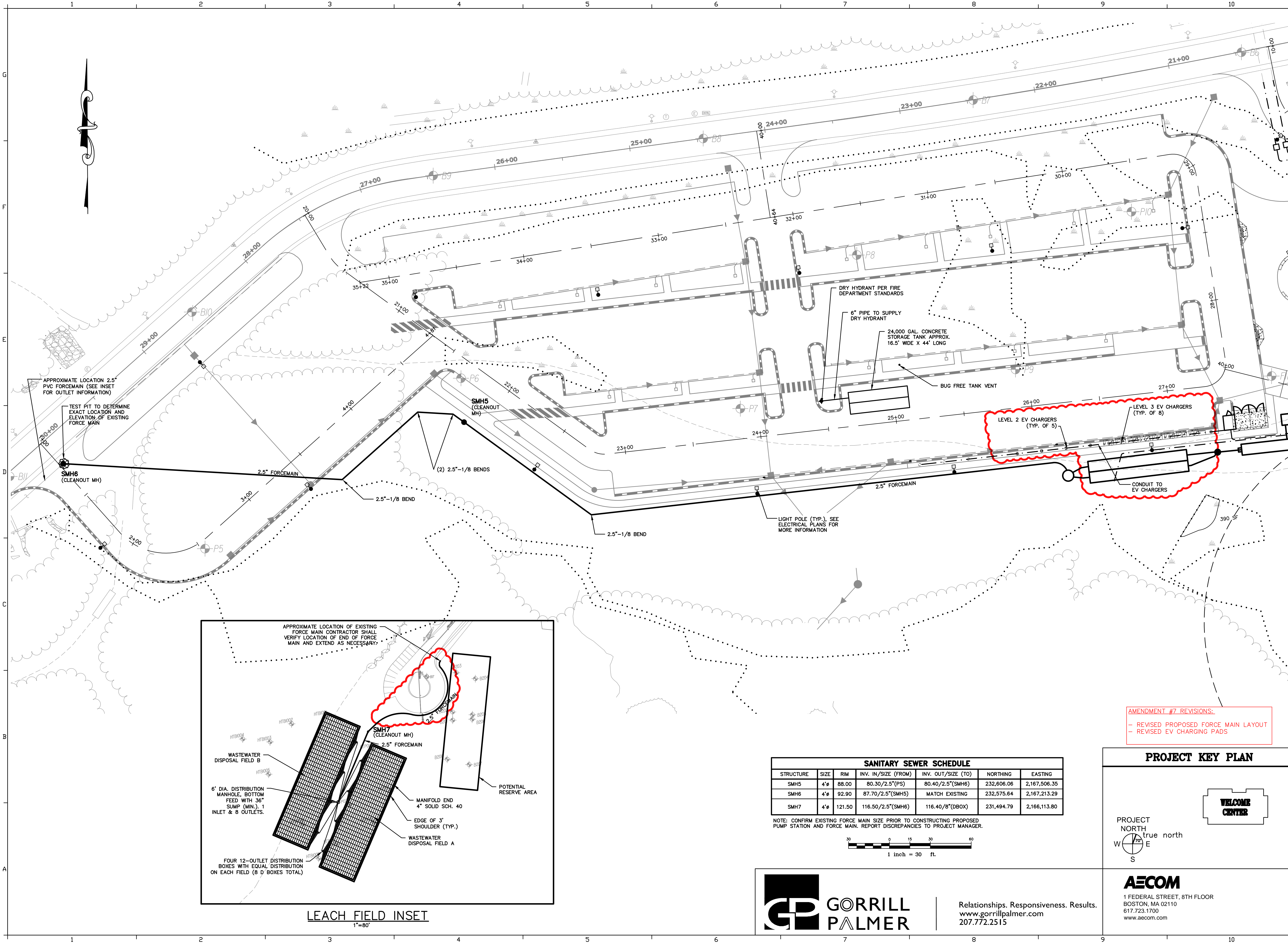


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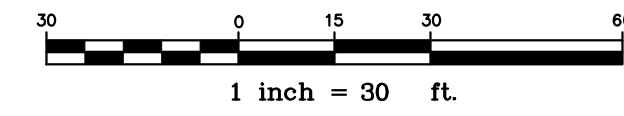
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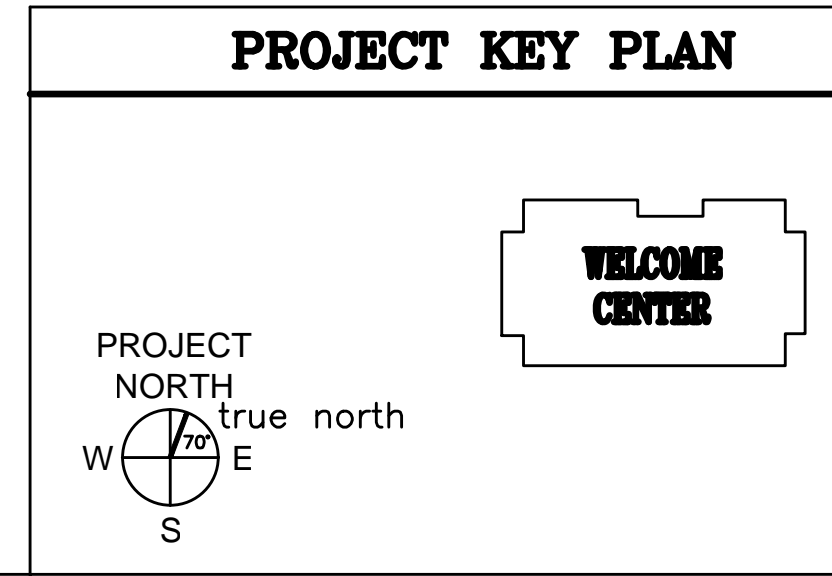
LEACH FIELD INSET  
1"=80'

SANITARY SEWER SCHEDULE						
STRUCTURE	SIZE	RIM	INV. IN./SIZE (FROM)	INV. OUT./SIZE (TO)	NORTHING	EASTING
SMH5	4"	88.00	80.30/2.5"(PS)	80.40/2.5"(SMH6)	232,606.06	2,167,506.35
SMH6	4"	92.90	87.70/2.5"(SMH5)	MATCH EXISTING	232,575.64	2,167,213.29
SMH7	4"	121.50	116.50/2.5"(SMH6)	116.40/8"(D)BOX	231,494.79	2,166,113.80

NOTE: CONFIRM EXISTING FORCE MAIN SIZE PRIOR TO CONSTRUCTING PROPOSED PUMP STATION AND FORCE MAIN. REPORT DISCREPANCIES TO PROJECT MANAGER.



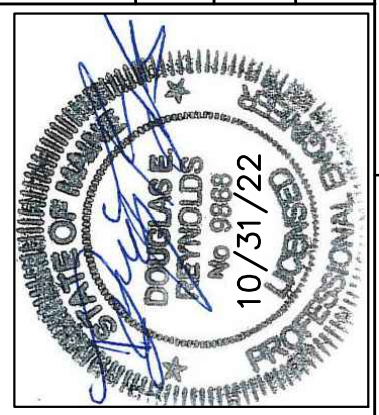
AMENDMENT #7 REVISIONS:  
 - REVISED PROPOSED FORCE MAIN LAYOUT  
 - REVISED EV CHARGING PADS



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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE	
SIGNATURE		FED PIN NO: NA	
DESIGNER		WIN NO: 017163.02 & 017163.03	
PROJECT RESIDENT		DATE	
CONTRACTOR		JANUARY 17, 2022	
PROJECT INFORMATION		PROJECT COMPLETION DATE	
PROGRAM	PROJECT MANAGER	AECOM	
DESIGNER	CONSULTANT		
PROJECT RESIDENT	CONTRACTOR	6251	
MAINE DEPARTMENT OF TRANSPORTATION ACADIA GATEWAY FACILITY INTERMODAL AND WELCOME CENTER		UTILITY PLAN - WEST	
SHEET NUMBER		C203	



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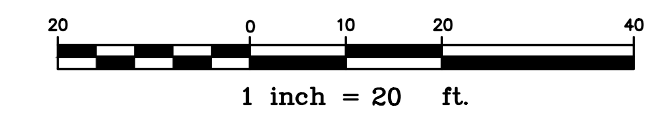
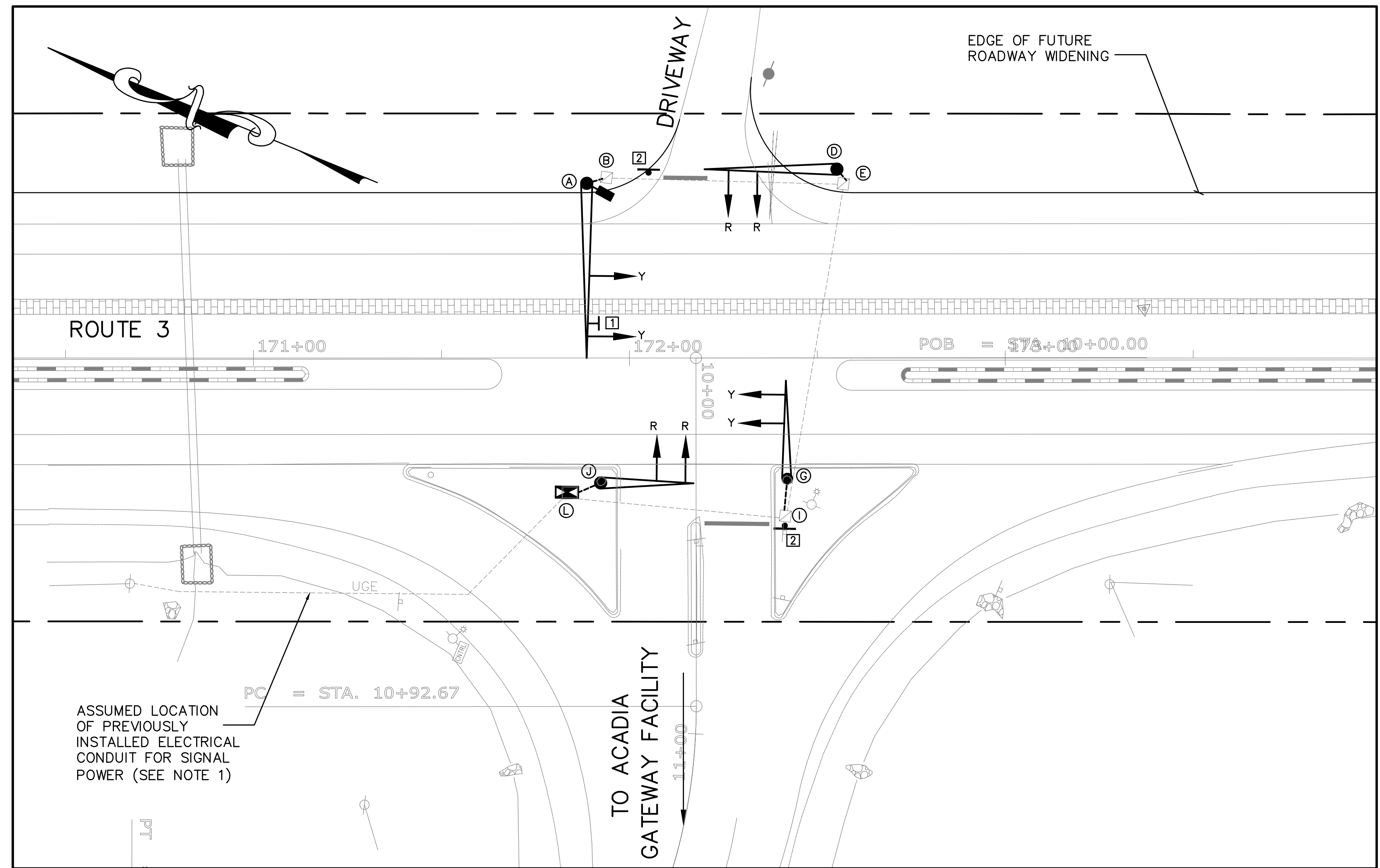
**NOTES:**

- CONDITION AND USEABILITY OF EXISTING CONTROLLER PAD, JUNCTION BOXES, SIGNAL FOUNDATIONS, AND SIGNAL CONDUIT SHALL BE INVESTIGATED BY THE CONTRACTOR PRIOR TO ANY ADDITIONAL WORK TO INSTALL FLASHING BEACONS. RESULTS OF THE INVESTIGATION SHALL BE REPORTED IN WRITING TO THE RESIDENT AND MAINE DOT PRIOR TO BEGINNING ANY OF THE INTERSECTION WORK FOR THIS PROJECT.
- THE BOTTOM OF THE HOUSING OF THE FLASHING BEACON FACE SHALL BE AT LEAST 17 FEET BUT NOT MORE THAN 19 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
- ALL MATERIALS AND WORK COMPLETED UNDER THIS CONTRACT SHALL CONFORM TO THE MAINE DOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAILS AND WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR FINDING EXACT LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-DIG-SAFE.
- CONTRACTOR SHALL CONTACT AND COORDINATE WITH UTILITIES UPON AWARD OF THE CONTRACT.
- THE PROPOSED FLASHING BEACON SHALL BE INPUT BY THE CONTRACTOR UNDER OBSERVATION BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL OPENING PERMITS AND ANY FEES ASSOCIATED WITH THEM.
- ALL EQUIPMENT SHALL MEET OR EXCEED THE MAINE DOT SIGNAL STANDARDS.
- LOCATION OF ALL FLASHING BEACON EQUIPMENT SHALL BE ESTABLISHED IN THE FIELD WITH THE MAINE DOT AND ENGINEER PRIOR TO INSTALLATION.
- THE CONTRACTOR MUST MEET ALL UTILITY REQUIREMENTS FOR THE SERVICE CONNECTION.
- ALL SPLICES WILL MEET MAINE DOT SPECIFICATIONS.
- IT IS THE INTENT OF THIS WORK TO HAVE A COMPLETE OPERATIONAL, TESTED AND ACCEPTED FLASHING BEACON UPON COMPLETION OF THIS CONTRACT.
- ALL NEW SIGNS SHALL MEET MUTCD SPECIFICATIONS, INCLUDING INSTALLATION.
- ANY WORK NEAR OR IN ROUTE 3 SHALL MAINTAIN TWO-WAY TRAFFIC ON ROUTE 3 AT ALL TIMES.
- VIDEO CAMERA AND SOFTWARE TO BE INSTALLED AND SET UP TO COLLECT ON-GOING TURNING MOVEMENT VOLUMES. PLACEMENT OF CAMERA AND INSTALLATION OF SOFTWARE SHALL MEET MANUFACTURERS REQUIREMENTS AND FINAL INSTALLATION SHALL BE REVIEWED AND APPROVED BY THE MAINE DOT.

FLASHING 12" RED LED VEHICULAR HEADS, UNLESS NOTED OTHERWISE. TOP BEACONS SHALL FLASH SIMULTANEOUSLY ON EACH APPROACH. BOTTOM RED BEACONS SHALL FLASH SIMULTANEOUSLY ON EACH APPROACH. TOP AND BOTTOM BEACONS SHALL FLASH ALTERNATELY FROM EACH OTHER. (TYP.)

ALTERNATELY FLASHING 12 INCH YELLOW LED VEHICULAR HEADS, UNLESS NOTED OTHERWISE (TYP.)

**TYPICAL FLASHING BEACON INSTALLATION**  
(ITEM NO. 643.60)



**LEGEND**

- PROPOSED CABINET/METER
- MAST POLE WITH MAST ARM
- FLASHING BEACON (Y=YELLOW, R=RED)
- JUNCTION BOX
- CONDUIT (IF NEEDED)
- OVERHEAD SIGNS
- LUMINAIRE
- VIDEO CAMERA

**SIGN LEGEND**

- LEFT TURN MUST YIELD (24"x36") MOUNTED ON MAST ARM
- STOP (30"x30")

**CONDUIT SCHEDULE**

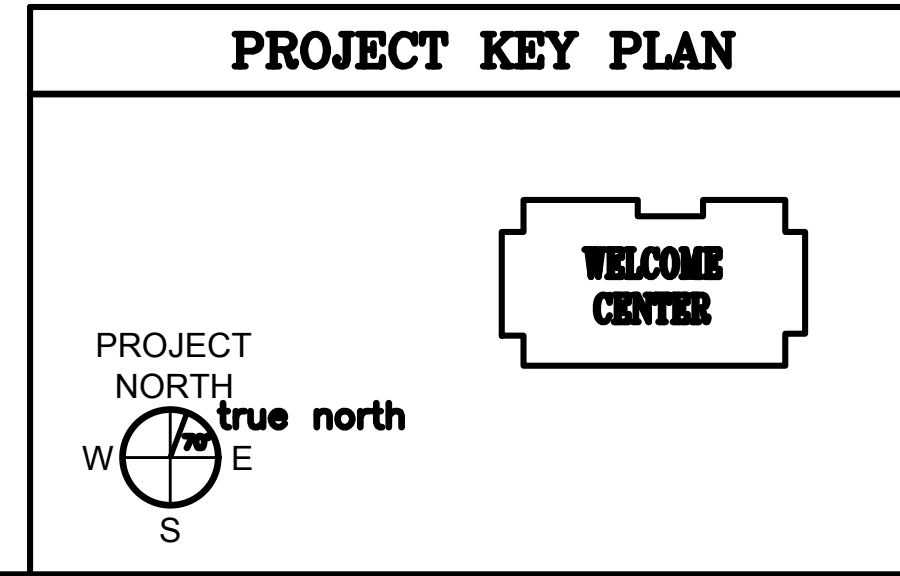
RUN	CENTER TO CENTER (LINEAR FEET)	COMMENTS
A-B	6	3" PVC
B-E	63	3" PVC
E-I	89	3" PVC
D-E	5	3" PVC
G-I	8	3" PVC
J-L	10	3" PVC
I-L	55	3" PVC

ALL PVC SHALL BE SCHEDULE 80

**EQUIPMENT SCHEDULE**

DESIGNATION	ITEM	DESCRIPTION
A	PROPOSED MAST POLE/ARM	NEW MAST POLE WITH 45 FOOT MAST ARM ON EXISTING 30" CONCRETE FOUNDATION. FATIGUE CATEGORY I.
B,E,I	EXISTING JUNCTION BOX	EXISTING JUNCTION BOX
D	PROPOSED MAST POLE/ARM	NEW MAST POLE WITH 40 FOOT MAST ARM ON EXISTING 30" CONCRETE FOUNDATION. FATIGUE CATEGORY I.
G	PROPOSED MAST POLE/ARM	NEW MAST POLE WITH 30 FOOT MAST ARM ON EXISTING 30" CONCRETE FOUNDATION. FATIGUE CATEGORY III.
J	PROPOSED MAST POLE/ARM	NEW MAST POLE WITH 30 FOOT MAST ARM ON EXISTING 30" CONCRETE FOUNDATION. FATIGUE CATEGORY I.
L	PROPOSED CABINET/METER	NEW CABINET ON EXISTING CONCRETE FOUNDATION WITH ELECTRIC METER MOUNTED ON CABINET

**AMENDMENT #7 REVISIONS:**  
 - REVISED PROPOSED CABINET/METER  
 - REVISED NOTE 2



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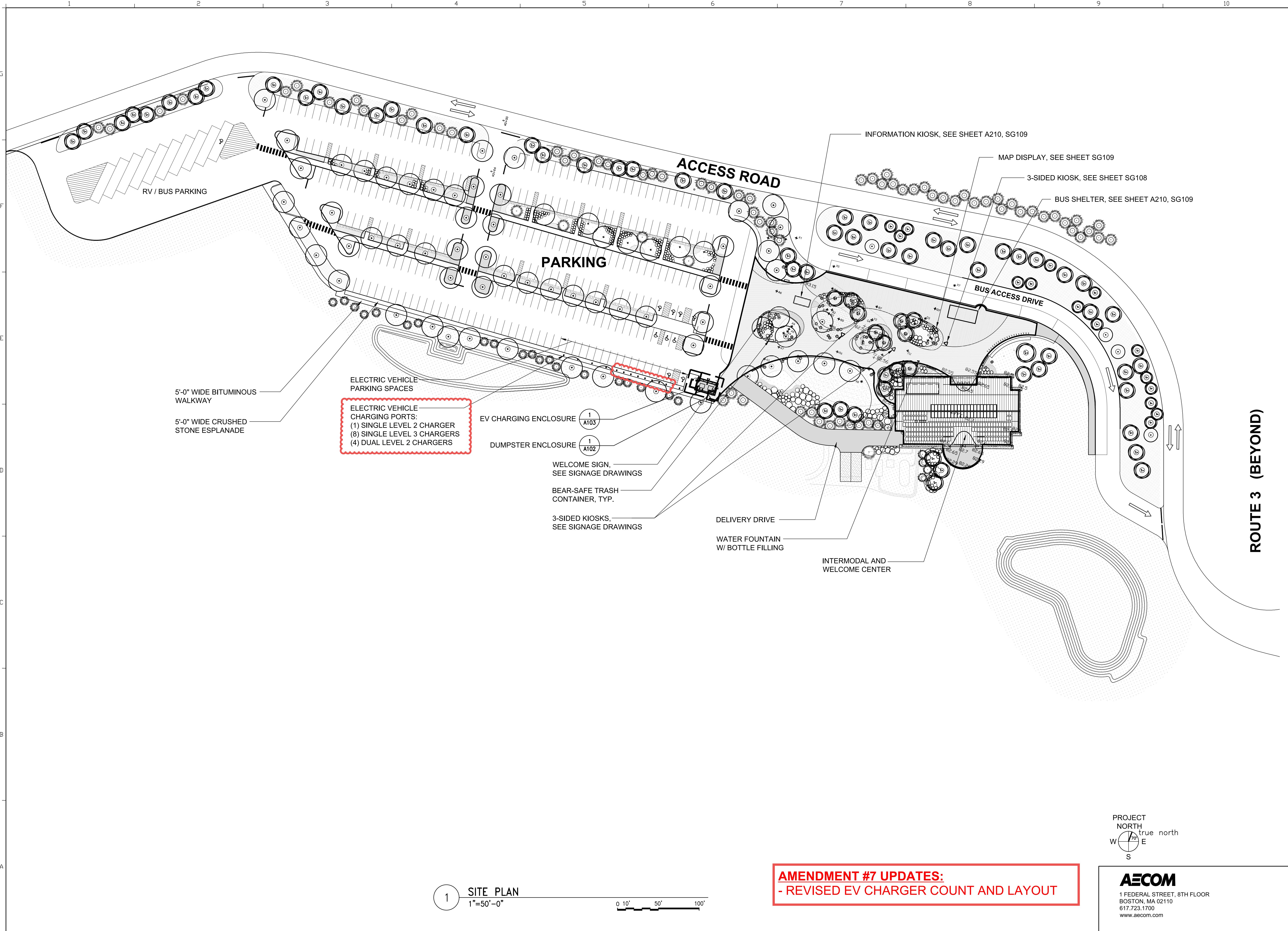
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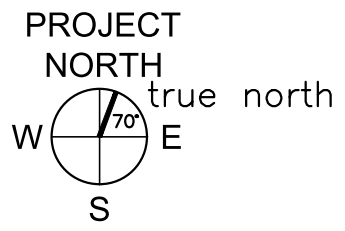
<b>STATE OF MAINE</b>	
<b>DEPARTMENT OF TRANSPORTATION</b>	<b>DATE</b>
FED PIN NO: NA	WIN NO: 017163.02 & 017163.03
SIGNATURE <i>[Signature]</i>	ENG. LIN. NUMBER 6251
DATE JANUARY 17, 2022	PROJECT COMPLETION DATE
<b>PROJECT INFORMATION</b> PROGRAM: ACADIA GATEWAY FACILITY PROJECT MANAGER: AECOM DESIGNER: AECOM CONSULTANT: AECOM PROJECT RESIDENT: AECOM CONTRACTOR: AECOM	
<b>MAINE DEPARTMENT OF TRANSPORTATION</b> <b>ACADIA GATEWAY FACILITY</b> <b>INTERMODAL AND WELCOME CENTER</b> <b>ROUTE 3 FLASHING BEACON PLAN</b>	
<b>SHEET NUMBER</b>	
<b>C501</b>	

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1 SITE PLAN  
1"=50'-0"  
0 10' 50' 100'

**AMENDMENT #7 UPDATES:**  
- REVISED EV CHARGER COUNT AND LAYOUT

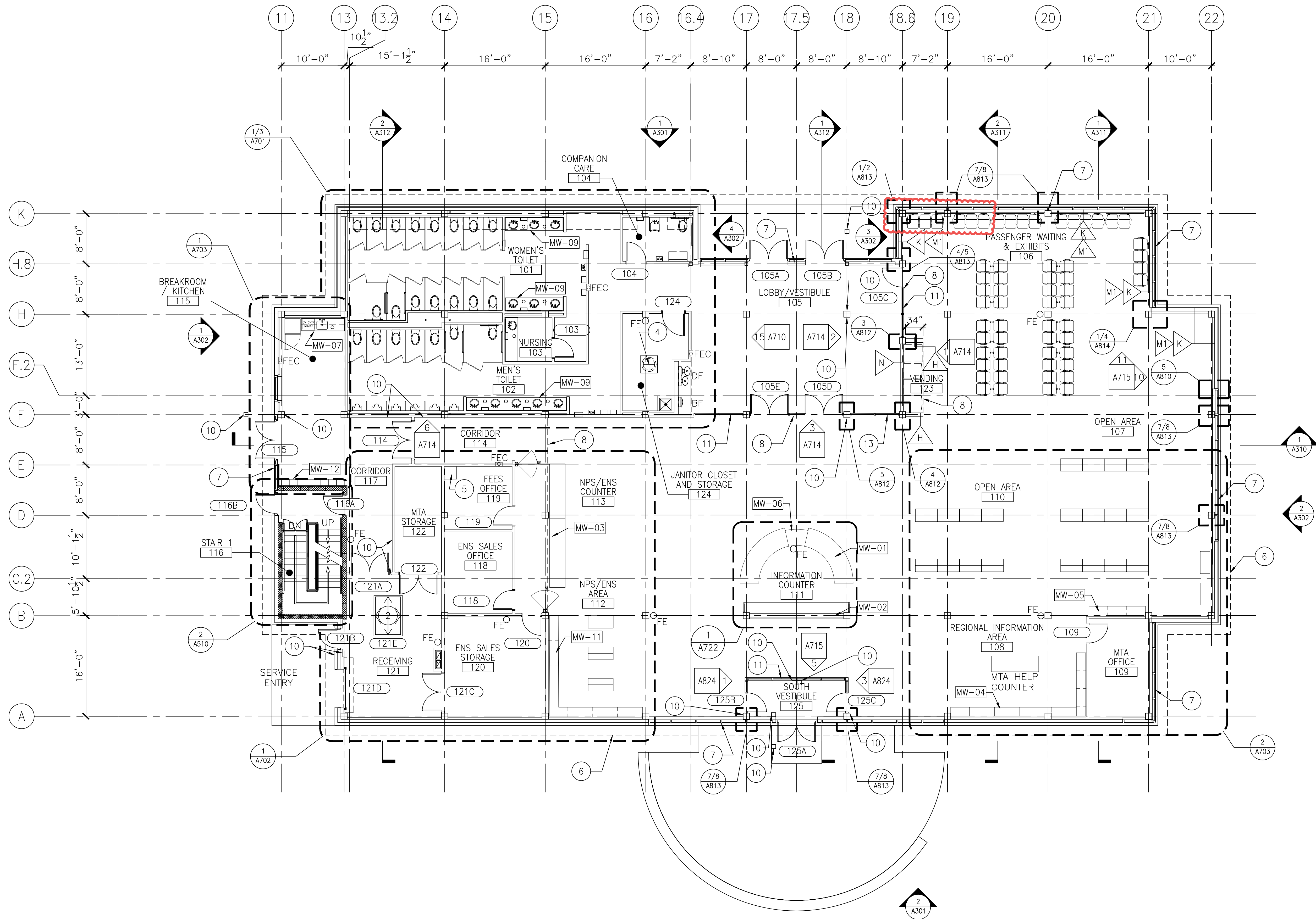


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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
PROJECT INFORMATION		SIGNATURE	DATE
PROGRAM	PROJECT MANAGER	ARCH. LIN. NUMBER	FED PIN NO. NA
DESIGNER	CONSULTANT	PROJECT RESIDENT	WIN NO. 017163.03
CONTRACTOR	PROJECT COMPLETION DATE	DATE	
MAINE DEPARTMENT OF TRANSPORTATION <b>ACADIA GATEWAY FACILITY</b> INTERMODAL AND WELCOME CENTER		SITE PLAN JANUARY 17, 2022	
SHEET NUMBER		A101	

**ROUTE 3 (BEYOND)**

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

**AMENDMENT #7 UPDATES:**  
- ADDED MISSING 6 SEATS IN  
AREA 106

**KEY NOTES**

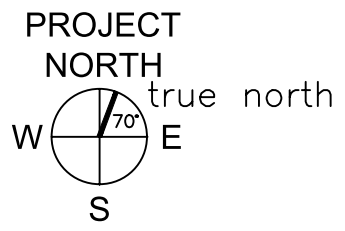
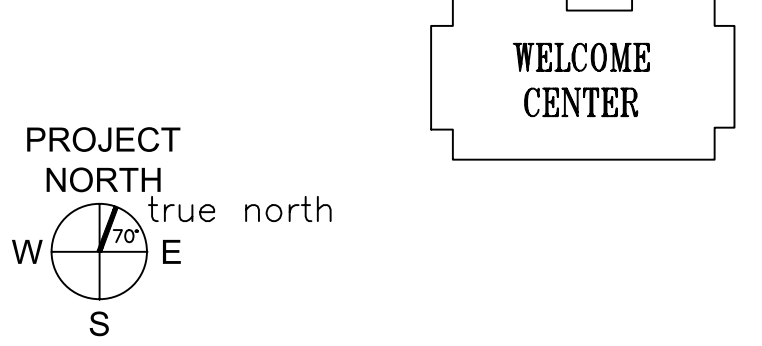
- 2 MECHANICAL ROOM ACCESS FLOOR HATCH
- 4 SPRINKLER TANK ACCESS MANHOLE
- 5 24"x24"x4" HIGH RAISED CONC. SLAB PLACED W/ CONC. SLAB FOR SAFE
- 6 EDGE OF ROOF OVERHANG
- 7 ALUMINUM CURTAINWALL SYSTEM
- 8 SOFFIT/WALL ABOVE
- 10 PUSH BUTTON AUTOMATIC DOOR OPENER
- 11 STEEL STOREFRONT

- MW-01 INFORMATION DESK REFER TO SHEET A722 & A723
- MW-02 INFORMATION DESK BACK COUNTER REFER TO SHEET A726
- MW-03 RETAIL / BOOKSTORE COUNTER REFER TO SHEET A724 & A725
- MW-04 REGIONAL INFORMATION AREA, CNTR. REFER TO SHEET A727 & A728
- MW-05 REGIONAL INFORMATION AREA, CNTR. REFER TO SHEET A727
- MW-06 ACCESSIBLE COUNTER SECTION REFER TO SHEET A723
- MW-07 KITCHEN COUNTER REFER TO SHEET A720
- MW-09 BATHROOM LAV. COUNTERTOP, REFER TO SHEET A721
- MW-10 BATHROOM COUNTERTOP, REFER TO SHEET A721
- MW-11 RETAIL / BOOKSTORE CABINETS, REFER TO SHEET A727 & A728
- MW-12 LOCKERS REFER TO SHEET A721

**GENERAL NOTES**

1. EXTERIOR WALL CONSTRUCTION ARE SIP'S (STRUCTURAL INSULATED PANELS) U.O.N., REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. ALL INTERIOR STAIR 1 PARTITIONS C.M.U., U.O.N.
3. REFER TO A830 & A831 FOR ALL PARTITION TYPES.

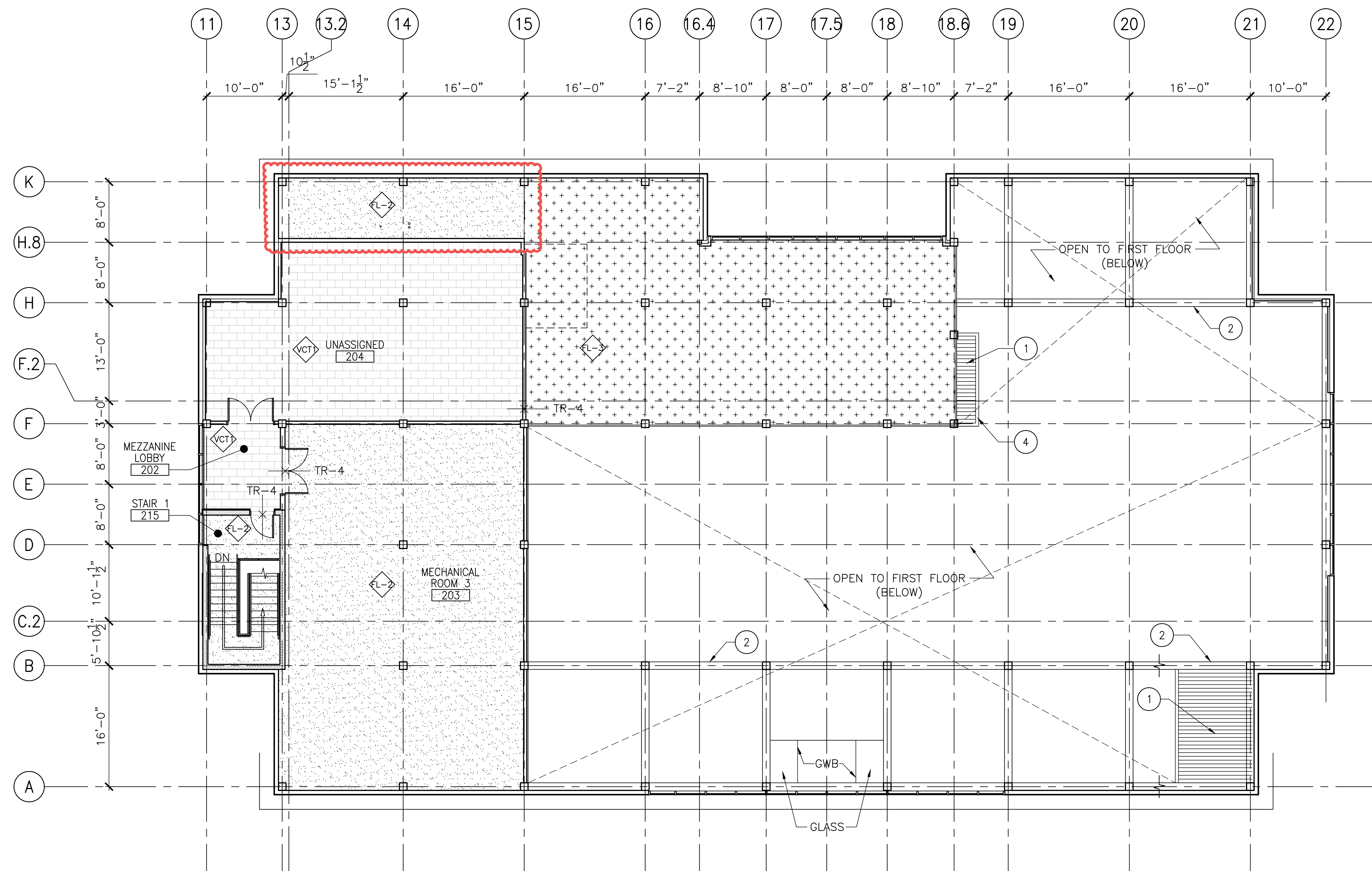
**PROJECT KEY PLAN**



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

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
DATE		DATE	
FED PIN NO: NA		WIN NO: 017163.03	
SIGNATURE		ARCH. LIN. NUMBER	
PROJECT INFORMATION		DATE	
PROGRAM		PROJECT COMPLETION DATE	
PROJECT MANAGER		PROJECT RESIDENT	
DESIGNER		CONTRACTOR	
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1 MEZZANINE FINISH FLOOR PLAN  
1/8"=1'-0"

**AMENDMENT #7 UPDATES:**  
- REVISED AREA OF MEZZANINE TO RECEIVE 2" TOPPING SLAB PER STRUCTURAL DRAWINGS

**KEY NOTES**

- 1 WOOD TONGUE AND GROVE DECK - MATCH WOOD CEILING MATERIAL, FINISH, COLOR AND STAIN
- 2 STRUCTURAL TIMBER FRAME BEAM(S)
- 3 TACKABLE WALL FINISH (WC-1), REFER TO INTERIOR ELEVATION(S) FOR SIZE & LOCATION
- 4 GWB EDGE OF ELEMENT BELOW TO BE PAINTED (PNT-2)

**FINISH LEGEND**

- SEALED CONCRETE
- CARPET
- VCT TILE (12"x24")
- WOOD DECK
- FIRE TREATED PLYWOOD
- FLOOR DRAIN
- TRANSITION
- MATERIAL KEY SEE SHEET A614

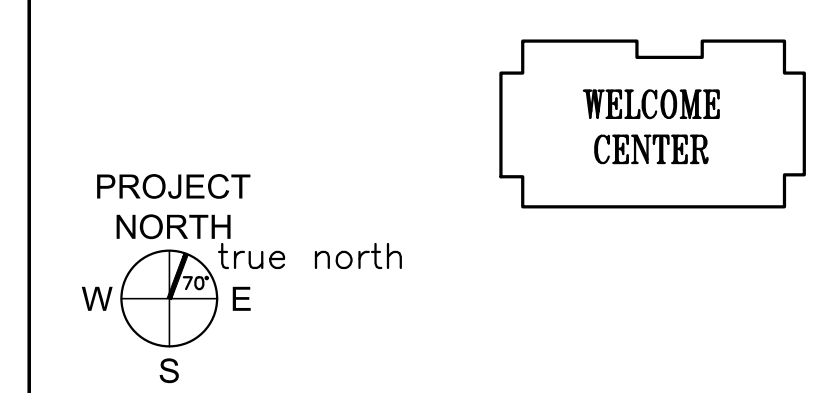
**TRANSITION LEGEND**

- TR-4 = VCT TO CONCRETE
- NOTE: REFER TO SPECIFICATIONS FOR TRANSITION PRODUCT TYPES

**GENERAL NOTES**

1. PROVIDE APPLIED STAINLESS STEEL CORNER GUARDS (SCHLUTER - ECK-K, 2" WIDE, LEGS (MIN. 6'-0" TALL) AT ALL OUTSIDE CORNERS AS INDICATED ON FINISH PLAN BY , REFER TO ELEVATIONS FOR MORE INFORMATION.
2. PROVIDE INTEGRAL STAINLESS STEEL CORNER GUARDS (SCHLUTER - ECK-E, SIZE TO BE DETERMINED BY TILE THICKNESS) (MIN. 6'-0" TALL) AT ALL OUTSIDE CORNERS WHERE WALL TILE IS TO BE INSTALLED, REFER TO INTERIOR ELEVATIONS FOR HTS. & MORE INFORMATION.
3. SEE FINISH SCHEDULE SHEET A614 FOR MATERIAL KEY

**PROJECT KEY PLAN**



PROJECT NORTH true north  
W E S

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

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		SIGNATURE	ARCH. LIN. NUMBER ARC5292	DATE JANUARY 17, 2022		
		PROJECT INFORMATION	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT
MAIN DEPARTMENT OF TRANSPORTATION <b>ACADIA GATEWAY FACILITY</b> INTERMODAL AND WELCOME CENTER		<b>MEZZANINE FINISH FLOOR PLAN</b>				
SHEET NUMBER		A613				

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR		BASE		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			NOTES
		FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR	HEIGHT	
001	FIRE PUMP ROOM	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
002	WATER ROOM	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
003	ELECTRICAL ROOM	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
004	MECHANICAL ROOM 1	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
005	STAIR 1	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
006	CORRIDOR	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
007	TELCOM ROOM	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
008	MECHANICAL ROOM 2	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
009	EMERGENCY ELECTRICAL CLOSET	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
101	WOMEN'S TOILET	T-1	---	TB-1	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	ACT-1	WHITE	8'-0"	
102	MEN'S TOILET	T-1	---	TB-1	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	ACT-1	WHITE	8'-0"	
103	NURSING	T-1	---	TB-1	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	ACT-1	WHITE	8'-0"	
104	COMPANION CARE	T-1	---	TB-1	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	WT-4/5/6	---	ACT-1	WHITE	8'-0"	
105	LOBBY / VESTIBULE	FL-1	---	TB-1	---	---	---	PT-1	WHITE	---	---	PT-1	WHITE	WDC-1	---	9'-6"	
106	PASSENGER WAITING AND EXHIBITS	FL-1	---	TB-1	---	STVR	---	STVR	---	---	---	STVR	---	WOOD	STAIN	---	
107	OPEN AREA	FL-1	---	TB-1	---	STVR/WDAT	---	STVR/WDAT	---	STVR/WDAT	---	---	---	WOOD	STAIN	---	
108	REGIONAL INFORMATION AREA	FL-1	---	TB-1	---	---	---	STVR/WDAT	---	STVR/WDAT	---	---	---	WOOD	STAIN	---	
109	MTA OFFICE	CPT-1	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	11'-0"	
110	OPEN AREA	FL-1	---	TB-1	---	---	---	---	---	---	---	---	---	WOOD	STAIN	---	
111	INFORMATION COUNTER	FL-1	---	TB-1	---	---	---	---	---	---	---	---	---	WOOD	STAIN	---	
112	NPS/ENS AREA	FL-1	---	TB-1	---	---	---	---	---	WDTG	---	PT-1	WHITE	WOOD	STAIN	---	
113	NPS/ENS COUNTER	FL-1	---	TB-1	---	PT-1	WHITE	---	---	PT-1	WHITE	PT-1	WHITE	WDC-1	---	8'-0"	
114	CORRIDOR	FL-1	---	TB-1	---	PT-1	WHITE	---	---	PT-1	WHITE	PT-1	WHITE	WDC-1	---	9'-6"	
115	BREAKROOM / KITCHEN	T-2	---	TB-1	---	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	10'-0"	
116	STAIR 1	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
117	CORRIDOR	FL-2	NONE	TB-1	---	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	8'-0"	
118	EN SALES OFFICE	CPT-1	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	8'-0"	
119	FEES OFFICE	CPT-1	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	8'-0"	
120	EN SALES STORAGE	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PAINT	BLACK	---	
121	RECEIVING	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PAINT	BLACK	---	
122	MTA STORAGE	FL-2	NONE	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	8'-0"	
123	VENDING	FL-1	---	TB-1	---	PT-1	WHITE	---	---	PT-1	WHITE	PT-1	WHITE	GWB	WHITE	7'-0"	
124	JANITOR CLOSET AND STORAGE	T-3	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	8'-0"	SPLASH GUARD SHEATHING AT MOP SINK - SEE ELEVATIONS
125	SOUTH VESTIBULE	FL-1	---	TB-1	---	---	---	---	---	---	---	---	---	GLASS	CLEAR	VIF	
150	EV CHARGING ENCLOSURE	FL-2	---	NONE	---	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	EXTERIOR PAINT FOR WOOD AND CONCRETE
201	STAIR 1	FL-2	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	23'-4"	PAINTED METAL DECK AT CEILING (5" CONCRETE SLAB ON METAL DECK)
202	MEZZANINE LOBBY	VCT-1	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	10'-0"	
203	MECHANICAL ROOM 3	FL-2	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	NONE	---	---	
204	UNASSIGNED	VCT-1	---	VB-1	BLACK	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	PT-1	WHITE	ACT-1	WHITE	12'-0"	

GENERAL ROOM FINISH NOTES:  
SEE SHEET A614 FOR FINISH SCHEDULE AND ABBREVIATIONS.

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

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

MAINE DEPARTMENT OF TRANSPORTATION  
ACADIA GATEWAY FACILITY  
INTERMODAL AND WELCOME CENTER  
ROOM FINISH SCHEDULE

SHEET NUMBER  
**A801**

**AMENDMENT #7 UPDATES:**  
- UPDATED FLOOR TYPE FOR RM 124

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

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Username: --

Division: --

Date: --

Filename: --

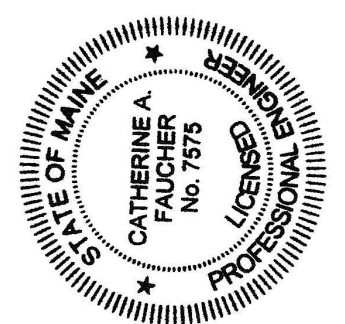
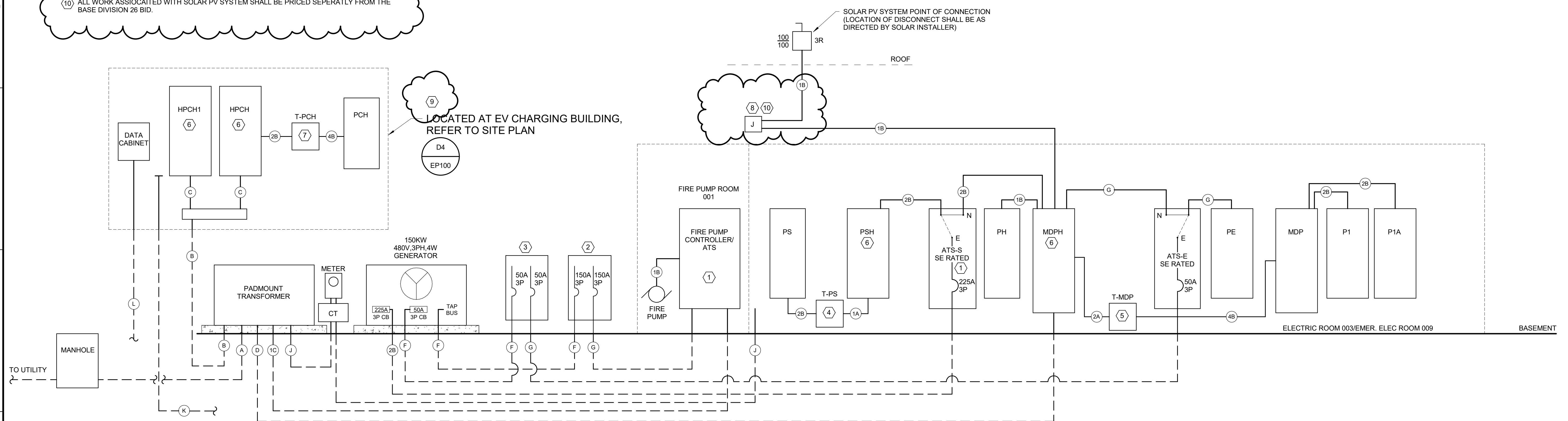
FEEDER SCHEDULE

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 TEL ROOM. METER TO BE LOCATED IN MAIN ELECTRICAL ROOM.
- 9 ALL WORK ASSOCIATED WITH THE ELECTRICAL VEHICLE CHARGING SHALL BE PRICED SEPERATELY FROM BASE DIVISION 26 BID.
- 10 ALL WORK ASSIOCAITED WITH SOLAR PV SYSTEM SHALL BE PRICED SEPERATLY FROM THE BASE DIVISION 26 BID.



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
SIGNATURE: *C. Faucher*  
P.E. NUMBER: 7575  
DATE: January 17, 2022

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

MAINE DEPARTMENT OF TRANSPORTATION  
ACADIA GATEWAY FACILITY  
INTERMODAL AND WELCOME CENTER  
Power Riser Diagram

SHEET NUMBER

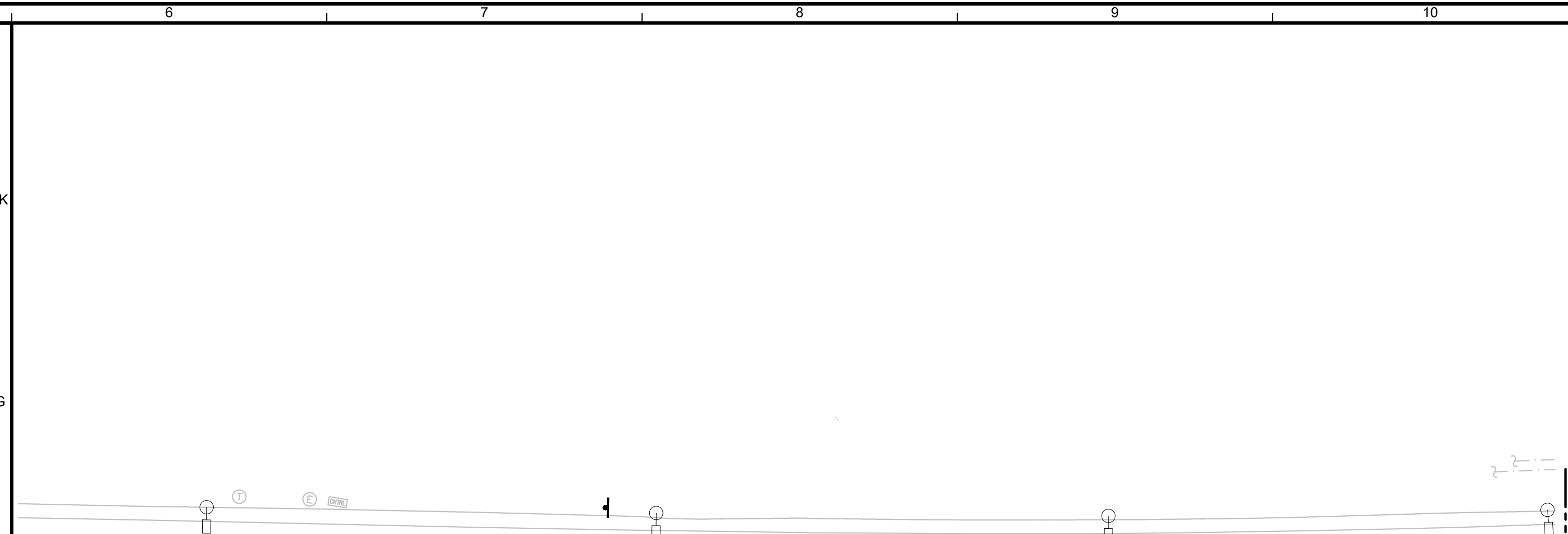
EP500

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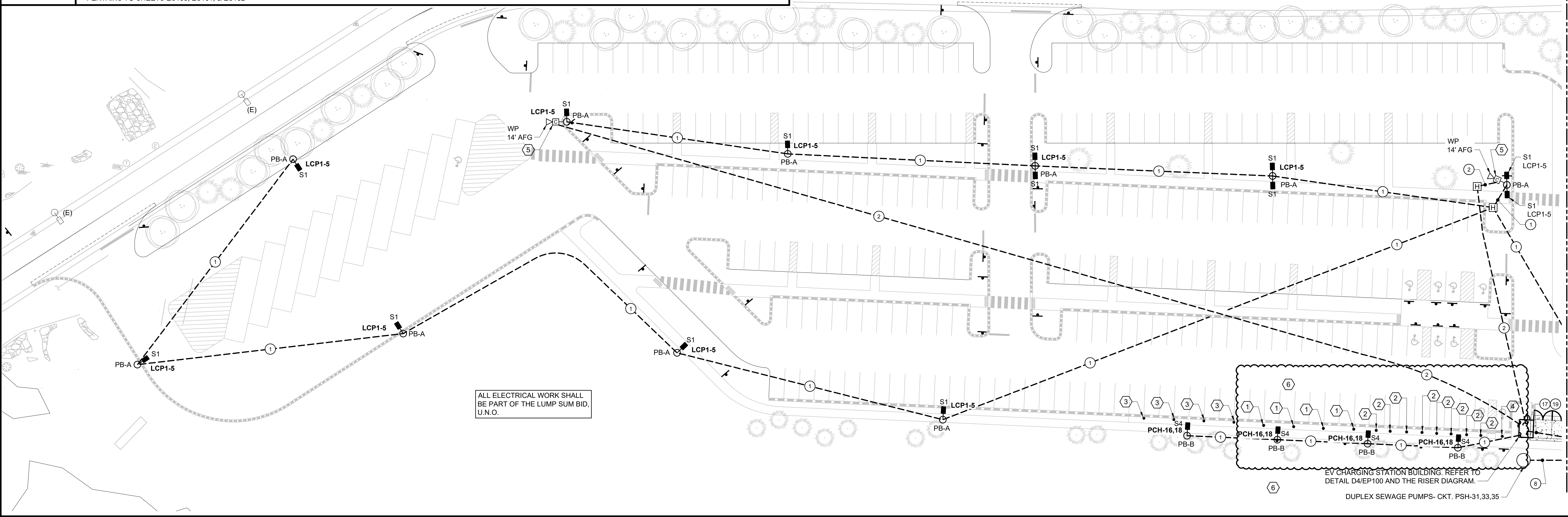
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Allied Project No: 12069 Cod File:

1	(-1) 1" CONDUIT WITH (2) #6+(1) #6G - LIGHTING	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	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	17	-EV CHARGING POWER AND DATA DISTRIBUTION (SEE POWER RISER DIAGRAM)
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.	7	-CONDUIT FOR POWER (SEE ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT FOR FEEDER SIZE); -1" 1" CONDUIT WITH PULLSTRING FOR CONTROL WIRING	11	(-2) 5" C PRIMARY; -1) 4" C TELEPHONE; -1) 4" C CATV; -1) 4" C SPARE	18	(-1) 1" CONDUIT WITH WIRING TO TELCOM 007 PA SYSTEM HEAD END FOR PA SYSTEM SPEAKER.
3	(-1) 1" CONDUIT WITH CATEGORY 6 DATA CABLING TO CCTV HEAD END IN TELCOM 007 FOR CAMERAS	8	-2" C POWER (SEE ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT FOR FEEDER SIZE); -1" 1" C FOR CONTROL WIRING	12	(-2) 5" C PRIMARY	19	(-1) 2" CONDUIT WITH 12 STRAND FIBER BACKBONE FROM EV CHARGING BUILDING DATA CABINET TO TELCOM 007 DATA NETWORK HEAD END.
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	9	(-1) 4" C TELEPHONE; -1) 4" C CATV; -1) 4" C SPARE	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)	20	GEOTHERMAL VAULT: -1) 1" CONDUIT WITH (2) #8, (1) #8G- LIGHTING AND POWER; -1) 1" CONDUIT EMPTY WITH PULLSTRING- CONTROLS
5	-POWER (SEE ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT FOR FEEDER SIZE); -1" 1" CONDUIT EMPTY WITH PULLSTRING FOR CONTROLS			14	(-1) 1" CONDUIT WITH (2)#10+(1)#10G - LIGHTING	21	(-1) 1" CONDUIT WITH (2)#10+(1)#10G - EMERGENCY LIGHTING
				15	-CONDUITS FOR POWER TO FIRE PUMP AND MDPH (SEE POWER RISER DIAGRAM FOR WIRING)	22	(-1) 1" CONDUIT WITH (2)#10+(1)#10G - BUILDING SIGN LIGHTING
				16	(-3) 4" C WITH PULLSTRING TO TELCOM 007 BACKBOARD AND CAP FOR FUTURE USE		



F1	<b>WIRING &amp; CONDUIT KEY</b>
	PERTAINS TO SHEETS ES100, ES101, & ES102



C1	<b>SITE PART PLAN EAST</b>
	1"=30'-0"

<ul style="list-style-type: none"> <li>--- UNDERGROUND OR UNDERSLAB WIRING</li> <li>○ UTILITY POLE</li> <li>□ FUSED DISCONNECT SWITCH</li> <li>□ NON-FUSED DISCONNECT SWITCH</li> <li>○ MOTOR</li> <li>   GROUNDING SYSTEM</li> <li>□ JUNCTION BOX, WALL MOUNTED</li> <li>□ JUNCTION BOX, IN-GROUND</li> <li>(M) ELECTRICAL MANHOLE PER UTILITY COMPANY SPECIFICATIONS, COORDINATE LOCATION WITH OTHER UNDERGROUND UTILITIES</li> <li>PT PADMOUNT TRANSFORMER, PROVIDE TRANSFORMER PAD PER UTILITY COMPANY SPECIFICATIONS</li> <li>PB 4'X6' PULL BOX WITH 32" COVER PLATE IN ACCORDANCE WITH UTILITY STANDARDS</li> </ul>	<ul style="list-style-type: none"> <li>[H] HANDHOLE, MINIMUM 18"x36"x24", SIZE PER NEC FOR SIZE AND NUMBER OF CONDUITS INSTALLED</li> <li>[M] METER &amp; ENCLOSURE, PEDESTAL MOUNTED PER UTILITY COMPANY SPECIFICATIONS</li> <li>INDICATES LUMINAIRE TYPE ON SCHEDULE</li> <li>INDICATES POLE BASE TYPE - SEE DETAILS ON ES101</li> <li>PB-# SINGLE POLE MOUNTED LIGHT</li> <li>S#-# INDICATES LIGHTING CONTROL PANEL RELAY NUMBERS</li> <li>← SINGLE POLE HOMERUN, CONNECT TO PANEL INDICATED</li> <li>← SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT, CONNECT TO PANEL INDICATED</li> <li>← 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT, CONNECT TO PANEL INDICATED</li> <li>◻ SECURITY CAMERA- WP INDICATES WEATHERPROOF ENCLOSURE</li> </ul>
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- 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 TO BE PROVIDED BY DIVISION 26. CHARGERS TO BE 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. ALL WIRING AND INSTALLATION SHALL BE PER CHARGEPOINTS RECOMMENDATIONS.
- LEVEL 3 SINGLE 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 TO BE PROVIDED BY DIVISION 26. CHARGERS TO BE 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.
- 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/HPCH1 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.
- 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) #6, 1 #8G IN (1) 1" UNDERGROUND CONDUIT. CHARGERS TO BE PROVIDED BY DIVISION 26. CHARGERS TO BE 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.
- 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 DATA CABINET. WIRE FROM DATA CABINET TO CCTV HEAD END VIA THE FIBER BACKBONE...
- ALL WORK ASSOCIATED WITH EV CHARGERS SHALL BE PRICED OUT SEPARATELY FROM THE REST OF THE DIV 25 WORK.

**PROJECT KEY PLAN**

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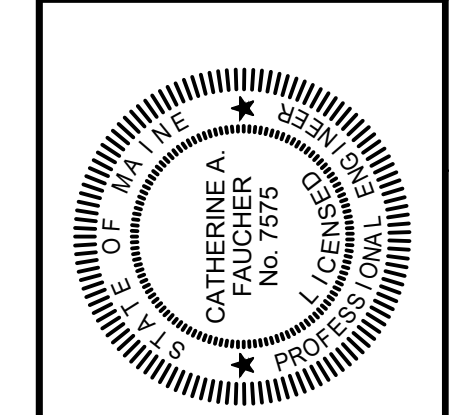
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A1	<b>ELECTRICAL LEGEND</b>
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A4	<b>KEYNOTES</b>
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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
DATE	DATE
FED PIN NO: NA	WIN NO: 017163.02 & 017163.03



*C. Faucher*  
 SIGNATURE  
 P.E. NUMBER 7575  
 DATE JANUARY 17, 2022

PROJECT INFORMATION	
PROGRAM	PROJECT MANAGER
DESIGNER	AECOM
CONSULTANT	<b>ALLIED ENGINEERING</b>
PROJECT RESIDENT	CONTRACTOR
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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**PHOTOVOLTAIC**

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SG121	INTERIOR SIGNAGE DETAIL III - ROOM ID
SG122	INTERIOR SIGNAGE DETAIL IV - ACOUSTIC BANNERS

**AMENDMENT #6 UPDATES:  
- ADDED SHEET A104**

**AECOM**

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STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



*Kayla Wengler*  
SIGNATURE

PROJECT INFORMATION

PROGRAM  
PROJECT MANAGER  
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CONSULTANT  
PROJECT RESIDENT  
CONTRACTOR

MAINE DEPARTMENT OF TRANSPORTATION  
ACADIA GATEWAY FACILITY  
INTERMODAL AND WELCOME CENTER

SHEET NUMBER

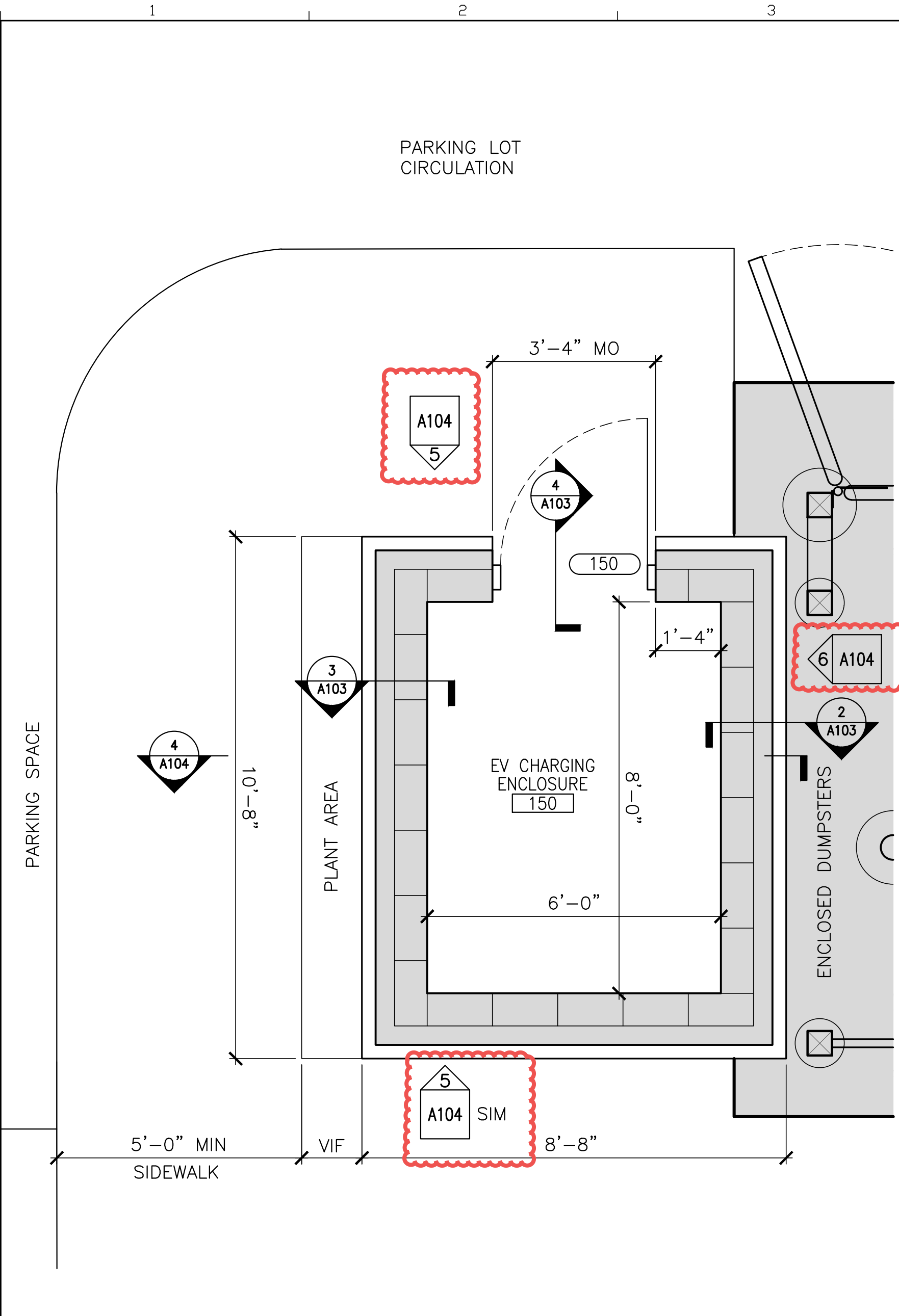
GA001

DRAWING INDEX

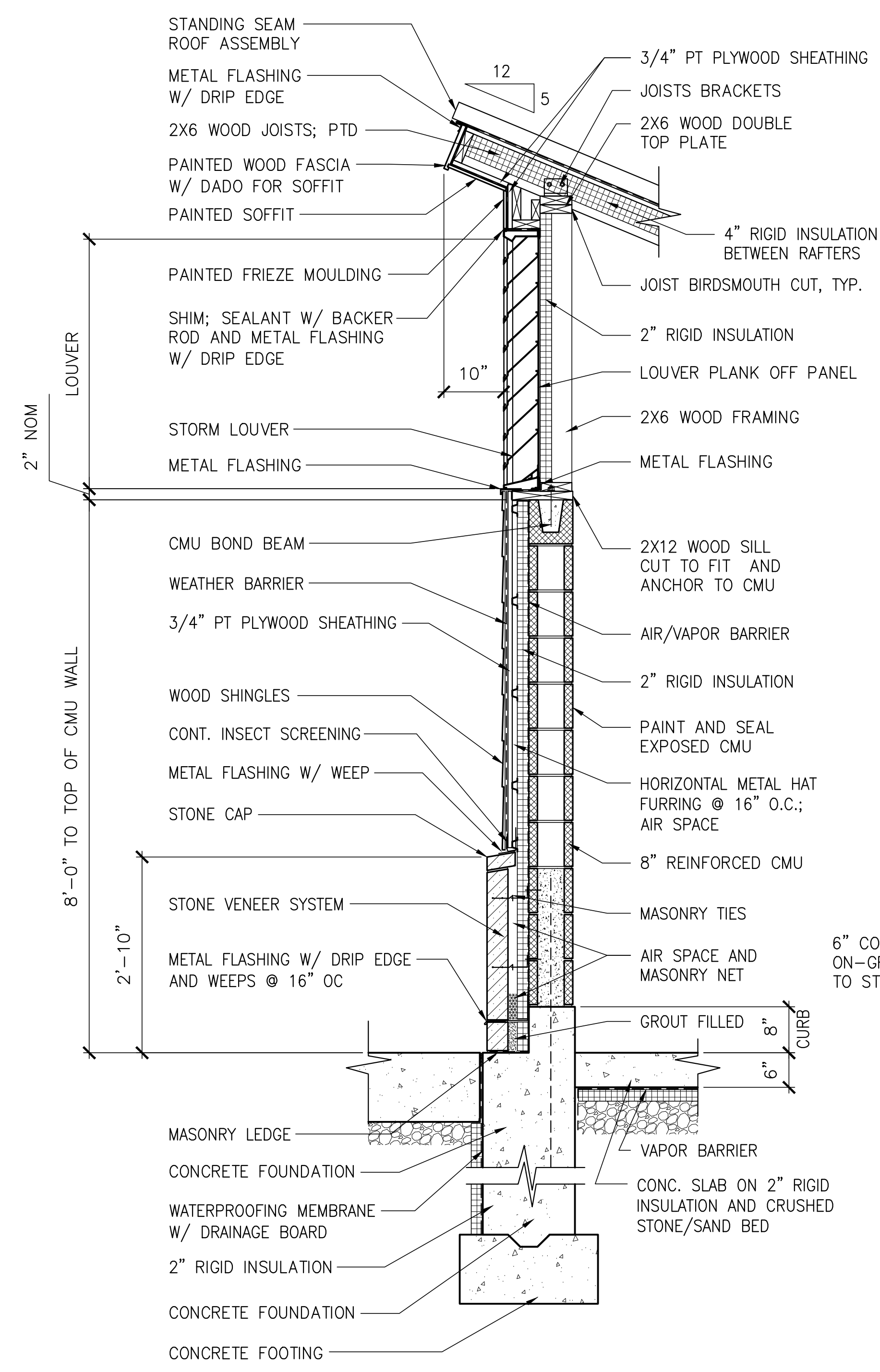
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WIN NO: 017163.03

ARCH. LIN. NUMBER  
ARC6292  
DATE  
JANUARY 17, 2022

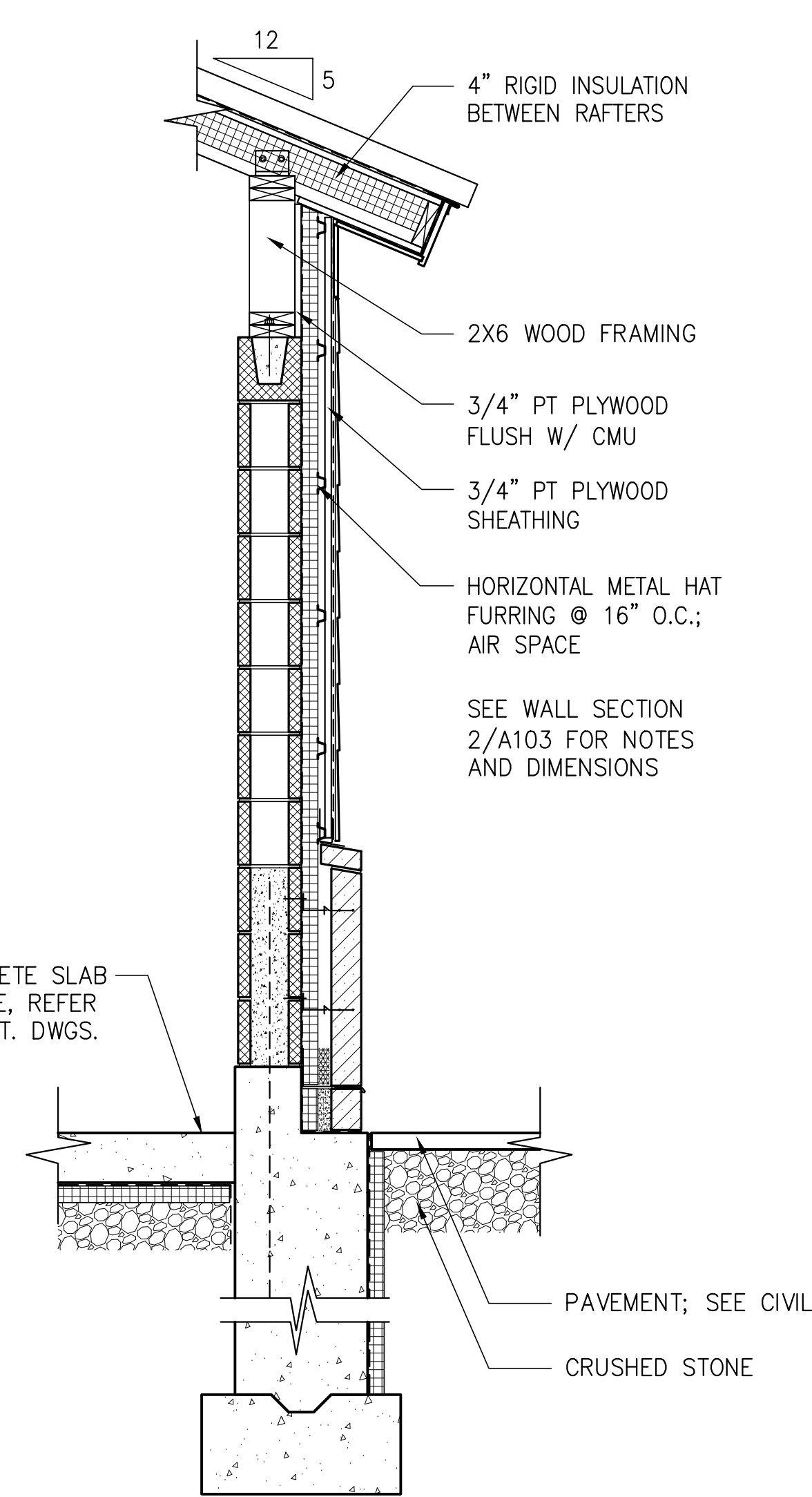
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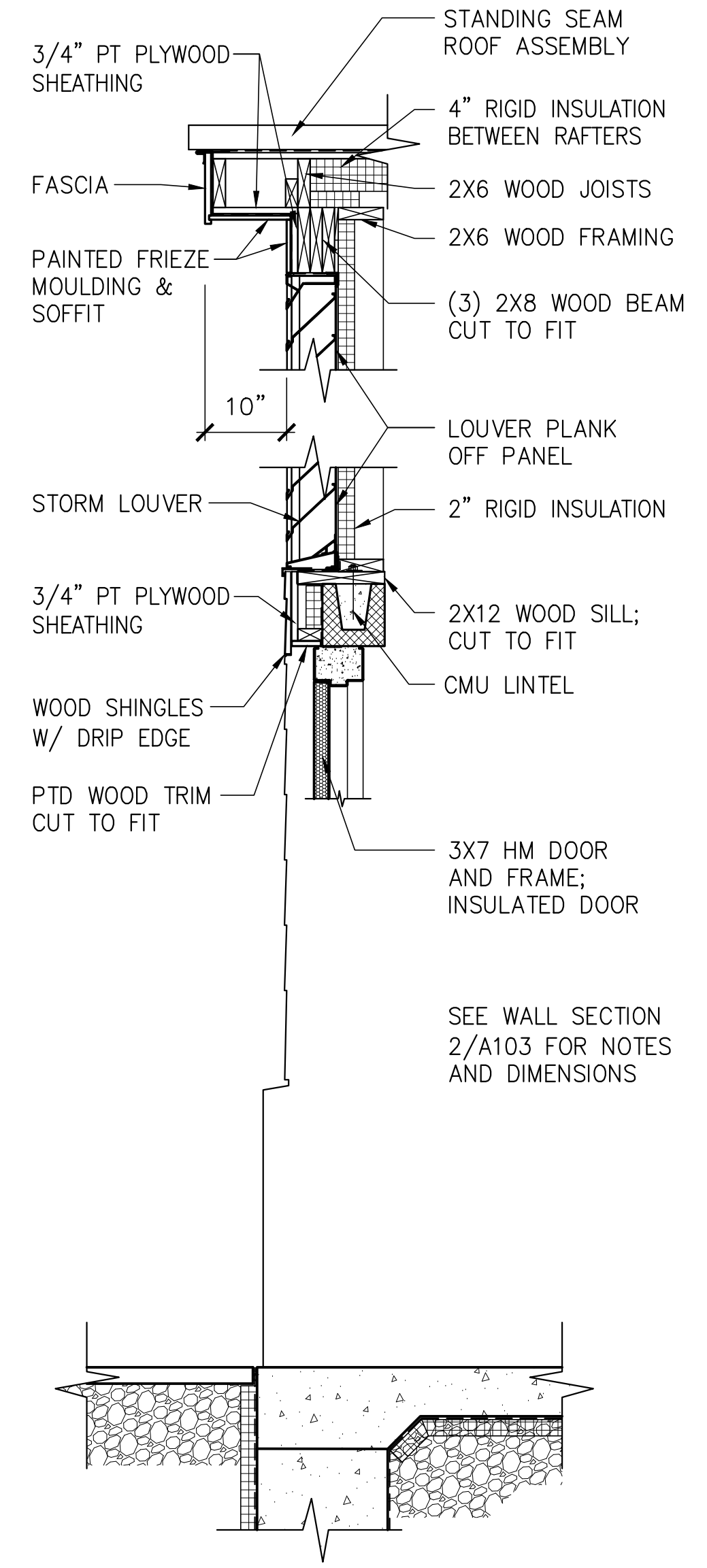
1 EV CHARGING ENCLOSURE ENLARGED PLAN  
1/2" = 1'-0"



2 WALL SECTION  
3/4" = 1'-0"



3 WALL SECTION  
3/4" = 1'-0"



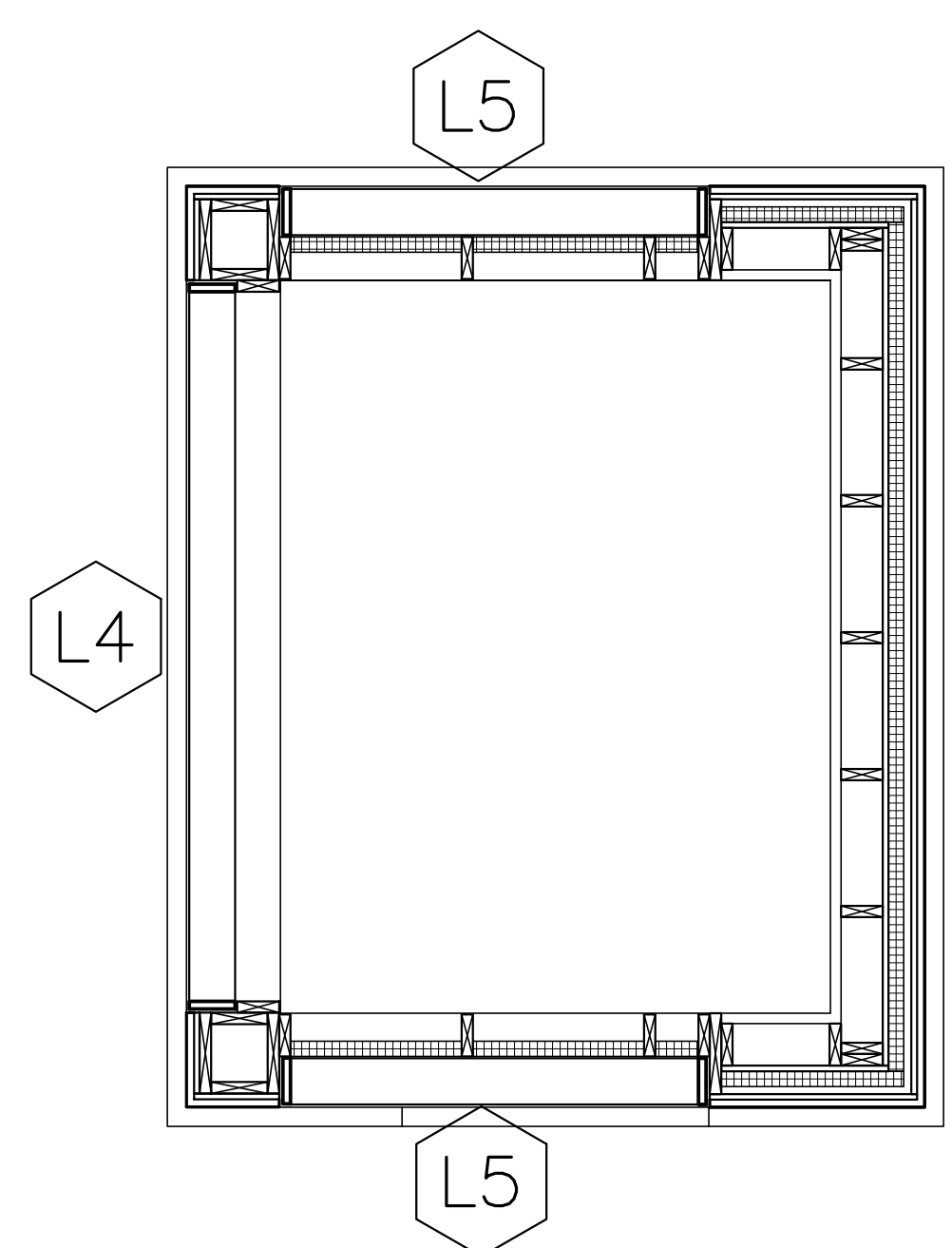
4 WALL SECTION  
3/4" = 1'-0"

**AMENDMENT #6 UPDATES:**  
- ADDED ELEVATION TAGS

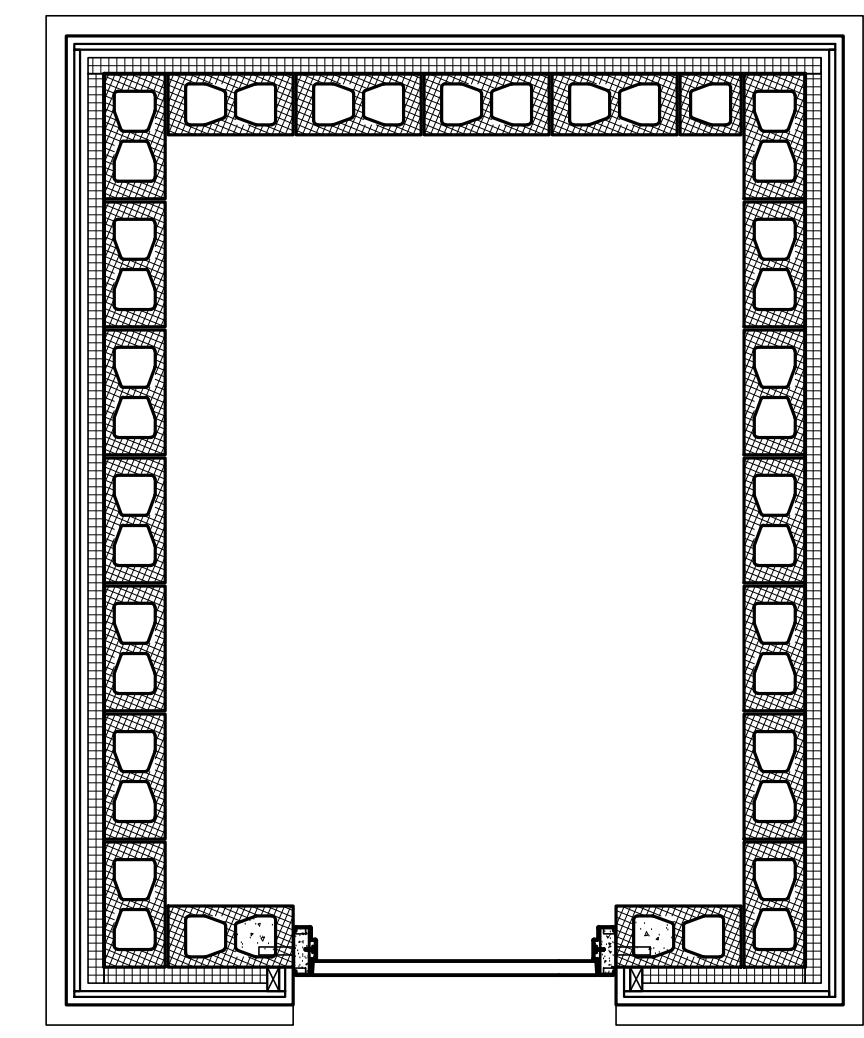
**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
617.723.1700  
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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
PROJECT INFORMATION		ARCHITECT	
PROGRAM	PROJECT MANAGER		DATE
DESIGNER	AECOM		FED PIN NO.
CONSULTANT			NA
PROJECT RESIDENT			WIN NO.
CONTRACTOR			017163.03
PROJECT INFORMATION		LICENSED ARCHITECT	
PROJECT	INFORMATION	SIGNATURE	DATE
MAINE DEPARTMENT OF TRANSPORTATION	ACADIA GATEWAY FACILITY		JANUARY 17, 2022
INTERMODAL AND WELCOME CENTER	EV CHARGING ENCLOSURE		
EV CHARGING ENCLOSURE PLAN AND DETAILS		ARCH. LIN. NUMBER	
		ARC5292	
SHEET NUMBER		A103	

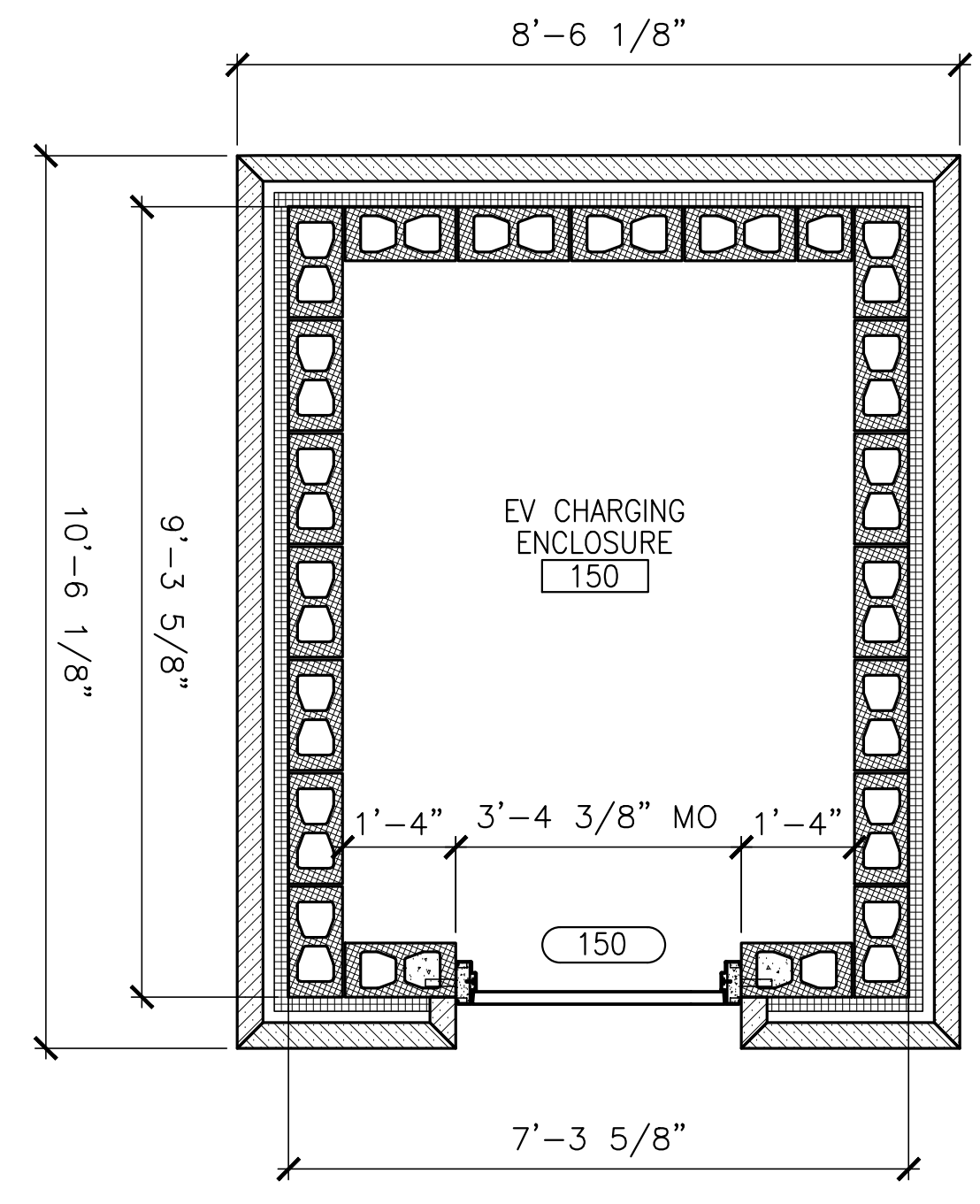
\\na.aecomnet.com\ifs\AMER\Boston-USBOS\01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\Gateway\900\_CAD\_GIS\910\_CAD\_Sheet\A104.dwg Jan 23, 2023 - 10:22am



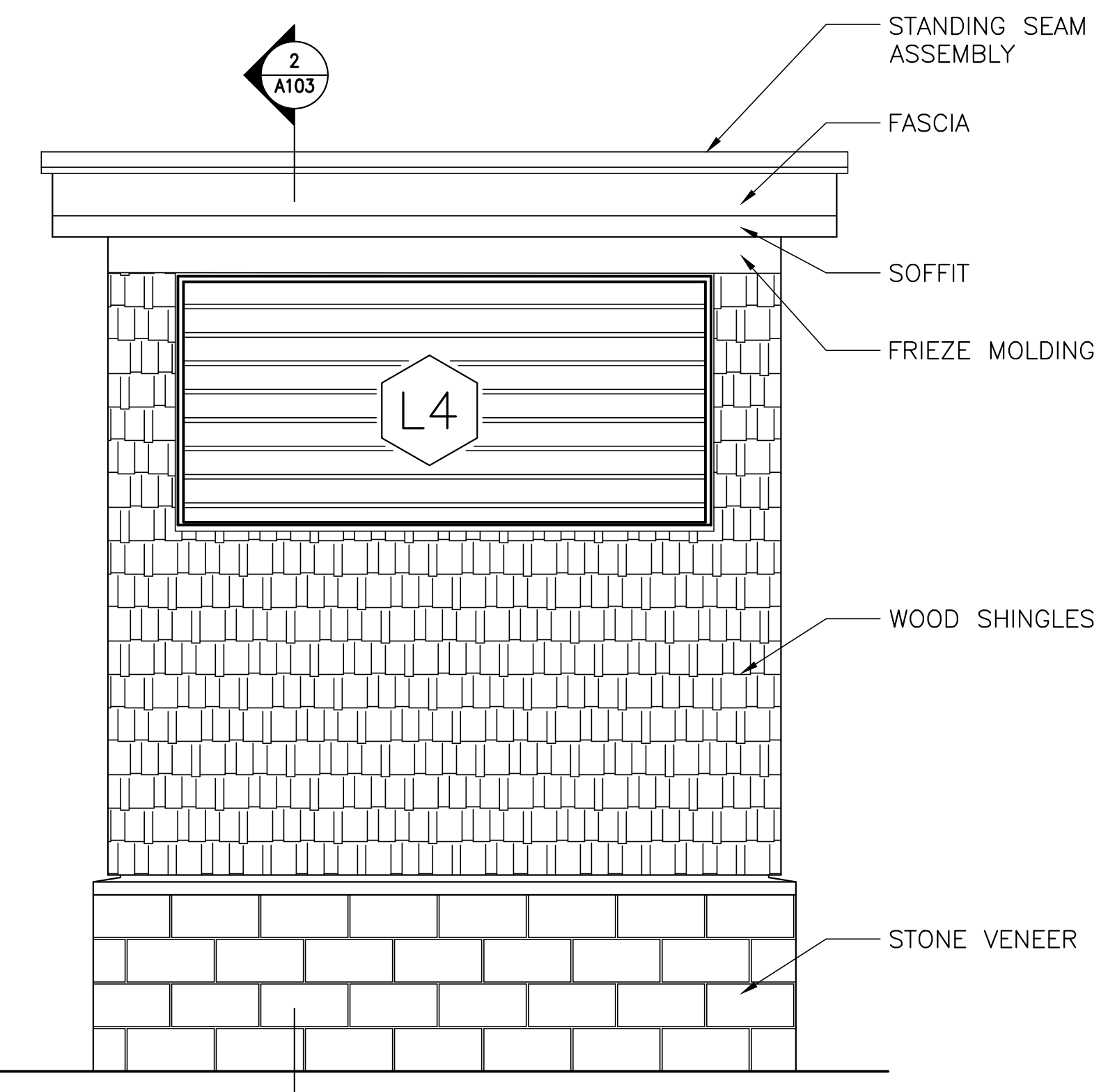
3 EV CHARGING ENCLOSURE PLAN AT ELEV 9'-0"  
1/2" = 1'-0"



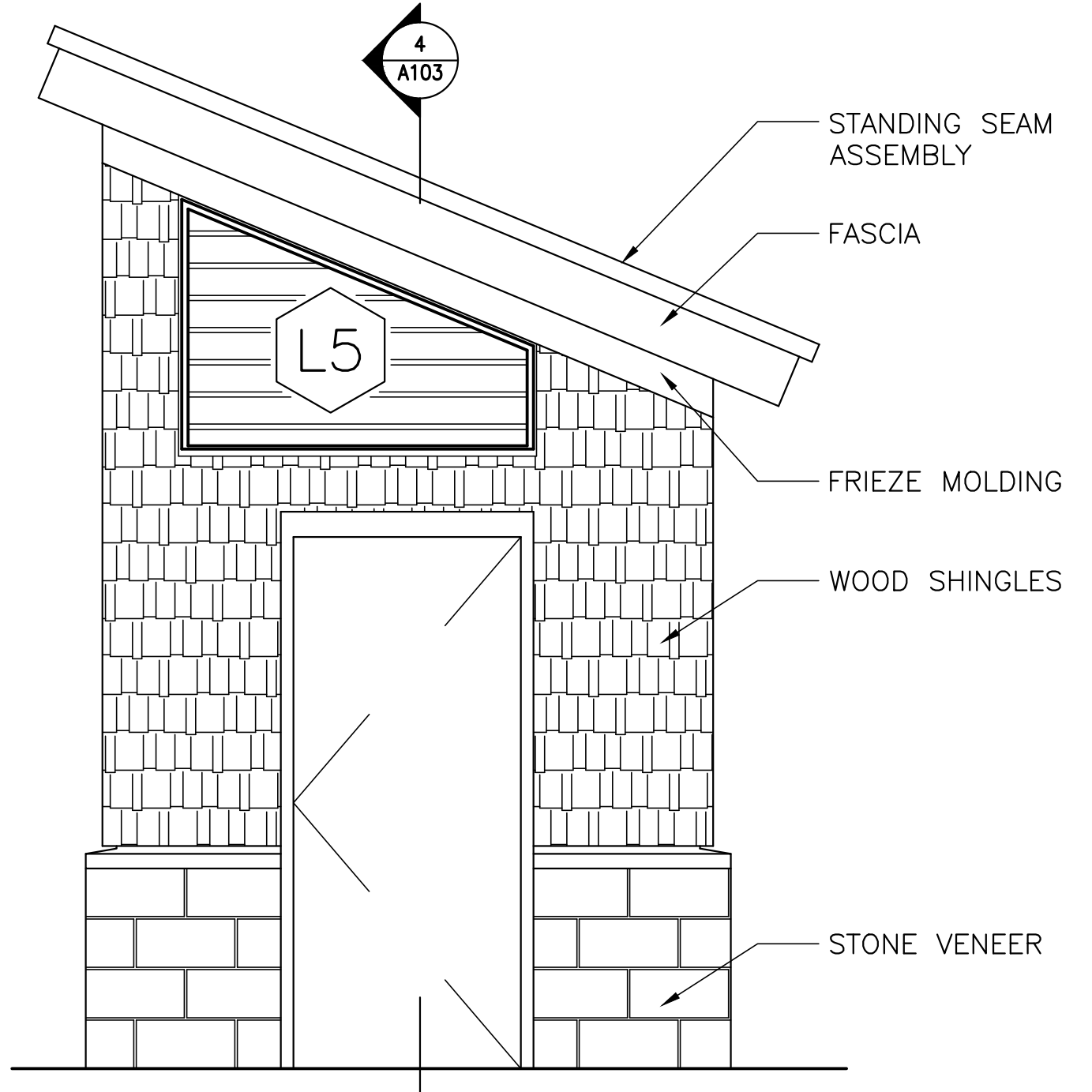
2 EV CHARGING ENCLOSURE PLAN AT ELEV 4'-0"  
1/2" = 1'-0"



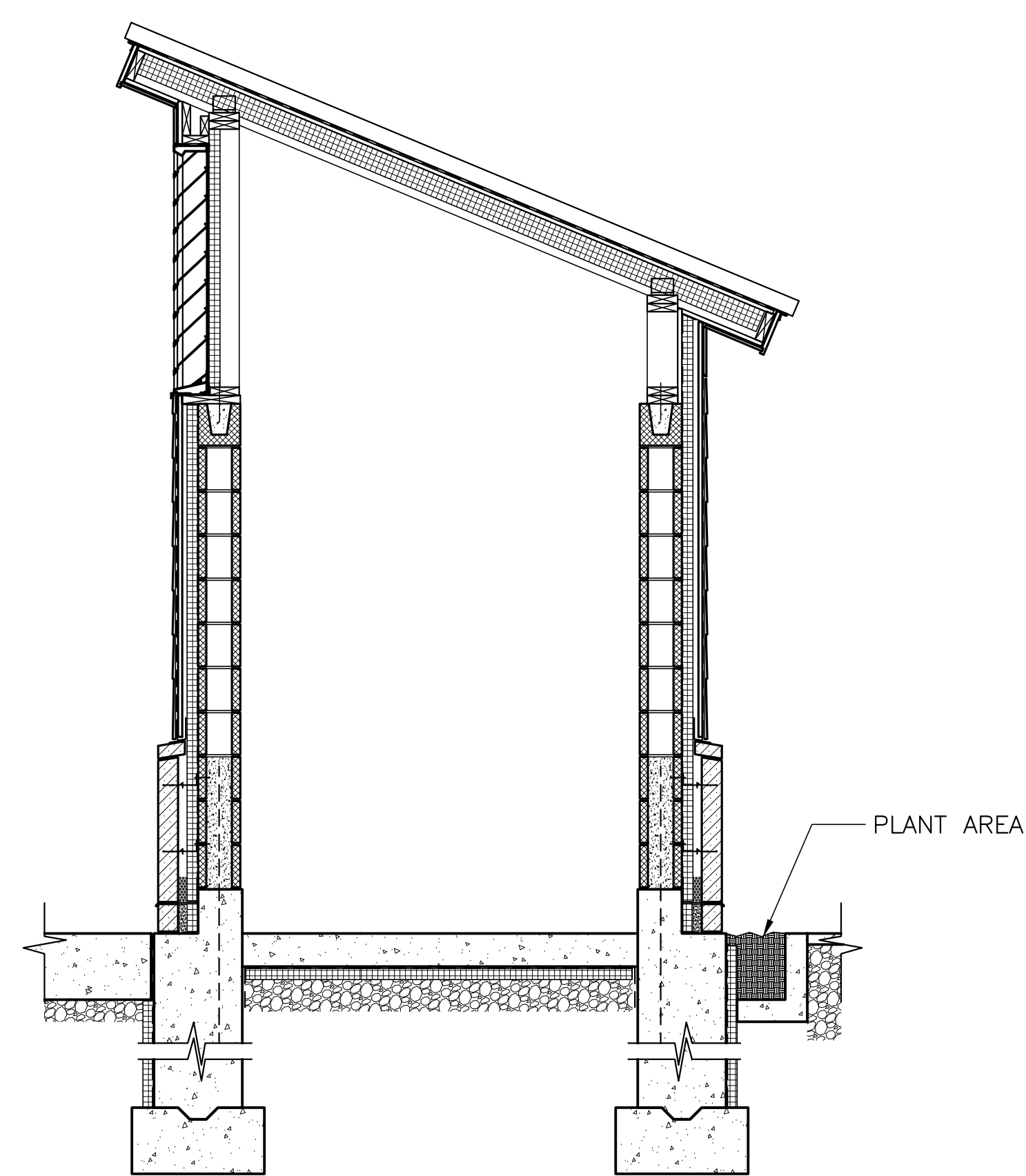
1 EV CHARGING ENCLOSURE PLAN AT ELEV 2'-0"  
1/2" = 1'-0"



6 EV CHARGING ENCLOSURE EXTERIOR ELEVATION 2  
1/2" = 1'-0"



5 EV CHARGING ENCLOSURE EXTERIOR ELEVATION 1  
1/2" = 1'-0"



4 EV CHARGING ENCLOSURE SECTION  
1/2" = 1'-0"

NOTES

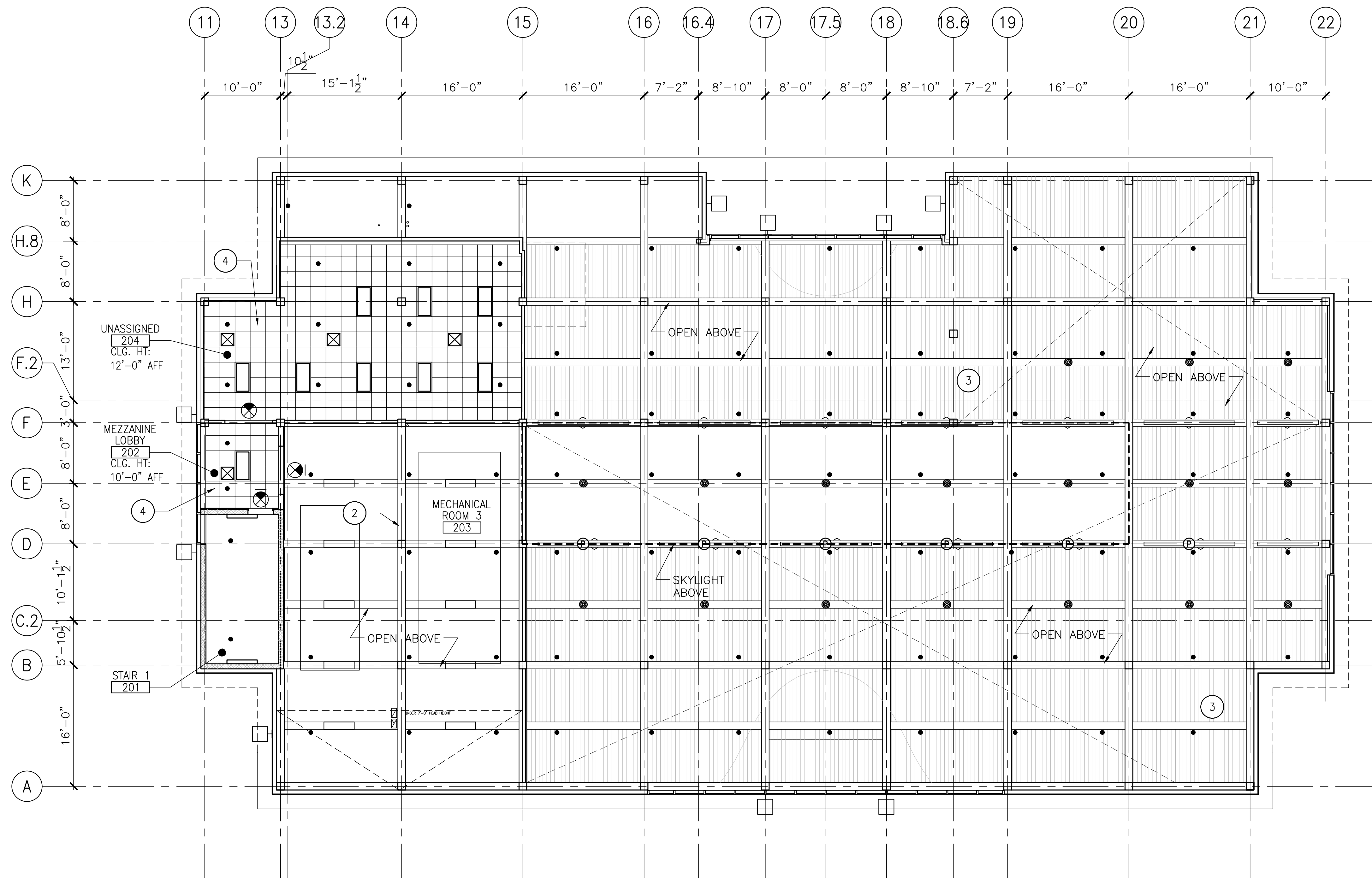
**AMENDMENT #6 UPDATES:  
- ADDED SHEET A104**

**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
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STATE OF MAINE		STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION		DEPARTMENT OF TRANSPORTATION	
DATE		DATE	
FED PIN NO: NA		FED PIN NO: NA	
WIN NO: 017163.03		WIN NO: 017163.03	
SIGNATURE		ARCH. LIN. NUMBER	
<i>Kayla Wengler</i>		ARC5292	
DATE		DATE	
JANUARY 17, 2022		JANUARY 17, 2022	
PROGRAM	PROJECT	INFORMATION	
ACADIA GATEWAY FACILITY	EV CHARGING ENCLOSURE	PLAN AND DETAILS	
INTERMODAL AND WELCOME CENTER			
DESIGNER	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
AECOM			
CONSULTANT			

SHEET NUMBER  
**A104**

\\na.aecomnet.com\ifs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\_GIS\910\_CAD\Sheet\A603.dwg Jan 25, 2023 - 4:27pm



1 MEZZANINE REFLECTED CEILING PLAN  
1/8"=1'-0"

**AMENDMENT #6 UPDATES:  
- REMOVED GENERAL NOTE 2**

**KEY NOTES**

- 2 WOOD STRUCTURE, REFER TO STRUCTURAL DRAWINGS FOR MORE INFO.
- 3 WDTG WOOD TONGUE & GROOVE CEILING
- 4 ACT CEILING

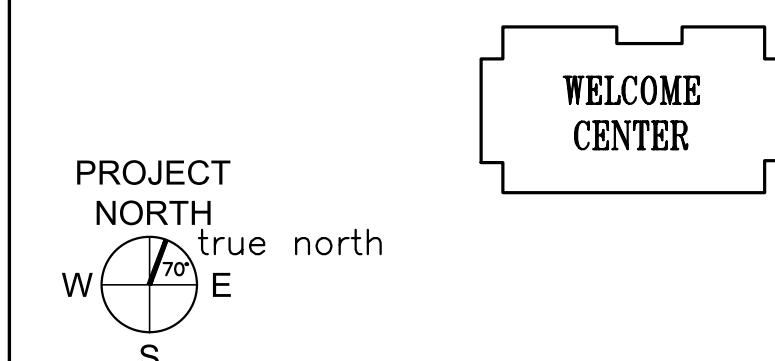
**LEGEND**

- 2'x4' RECESSED LIGHT
- 4' WALL MOUNTED STAIRWAY LIGHT
- 1'x4' SURFACE LIGHT
- CYLINDER PENDANT LIGHT FIXTURE
- LINEAR TRUSS UPLIGHT
- PENDANT SPEAKER
- EXTERIOR WALL MOUNTED LIGHT FIXTURE
- SPRINKLER HEAD
- EXIT SIGN
- GWB CEILING
- WOOD CEILING
- 2'x2' SUSPENDED CEILING GRID
- 2'x2' SUPPLY REGISTER

**GENERAL NOTES**

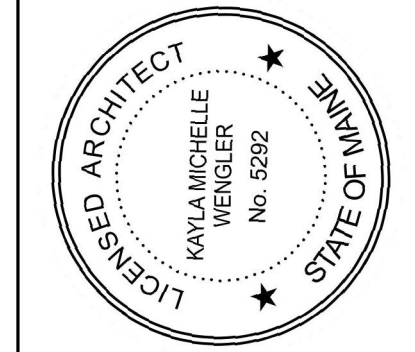
1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE DESIGNATIONS AND FIXTURE TYPES

**PROJECT KEY PLAN**



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



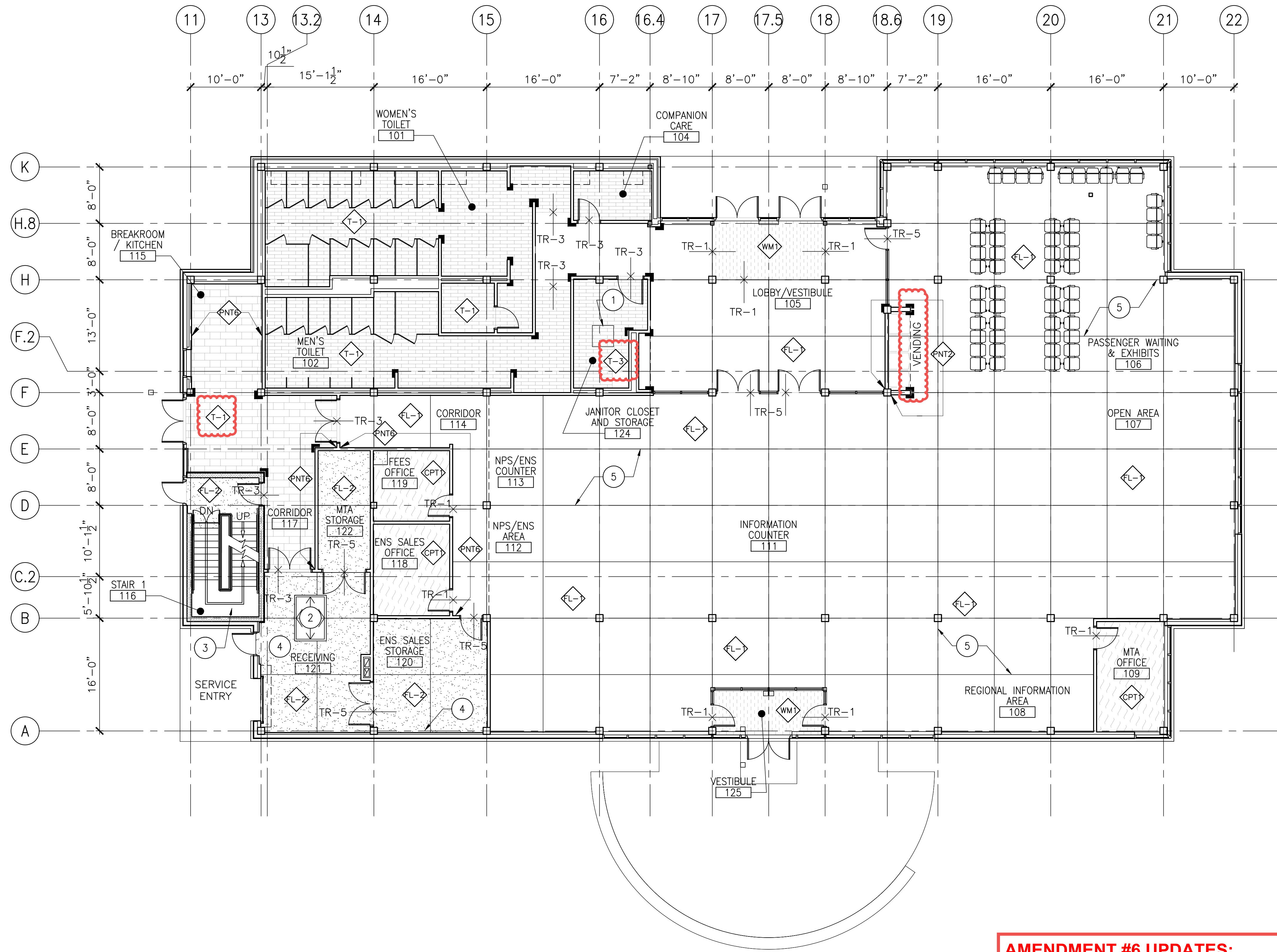
*Kayla Wengler*  
SIGNATURE  
ARCH. LIN. NUMBER: ARC6292  
DATE: JANUARY 17, 2022

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

MAINE DEPARTMENT OF TRANSPORTATION  
ACADIA GATEWAY FACILITY  
INTERMODAL AND WELCOME CENTER  
MEZZANINE REFLECTED CEILING PLAN

SHEET NUMBER  
**A603**

\\na.aecomnet.com\ifs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\_GIS\910\_CAD\Sheet\A612.dwg Jan 25, 2023 - 3:30pm



1 FIRST FLOOR FINISH FLOOR PLAN  
1/8"=1'-0"

**AMENDMENT #6 UPDATES:**  
 - ADDED CORNER GUARDS AT VENDING WALLS  
 - REVISED FINISH IN RM 124 TO T-3  
 - REVISED FINISH IN RM 117 AND 115 TO T-1

**KEY NOTES**

- 1 SPRINKLER TANK ACCESS MANHOLE W/ EMBOSSED NON-SLIP PATTERN, REFER TO SPECIFICATIONS
- 2 MECHANICAL ROOM ACCESS FLOOR HATCH W/ EMBOSSED NON-SLIP PATTERN
- 3 ALL STAIRS SHALL BE METAL W/ NON-SLIP FINISH, SEE STAIR DETAILS
- 4 EXPOSED STRUCTURE, TO BE PAINTED (PNT-4)
- 5 CONTROL JOINT IN POLISHED CONCRETE SLAB, TYP.

**FINISH LEGEND**

	STAINED POLISHED CONCRETE
	SEALED CONCRETE
	CARPET
	WALK-OFF MAT
	FLOOR TILE (12\"X12\" & 12\"X24\")
	FLOOR TILE (6\"X24\")
	FLOOR DRAIN
	TRANSITION
	MATERIAL KEY SEE SHEET A614

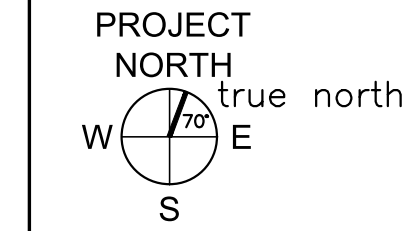
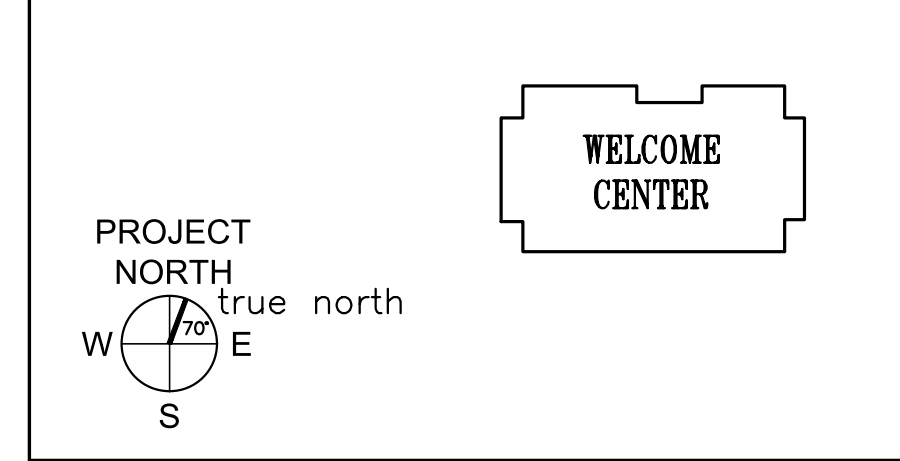
**TRANSITION LEGEND**

- TR-1 = CARPET TO CONCRETE
  - TR-3 = TILE TO CONCRETE
  - TR-4 = VCT TO CONCRETE
  - TR-5 = CONCRETE TO CONCRETE SCORE/CUT IN CONCRETE @ DOOR/OPENING
  - TR-6 = VCT TO CARPET
- NOTE: REFER TO SPECIFICATIONS FOR TRANSITION PRODUCT TYPES

**GENERAL NOTES**

1. PROVIDE APPLIED STAINLESS STEEL CORNER GUARDS (SCHLUTER - ECK-K, 2" WIDE, LEGS) (MIN. 6'-0" TALL) AT ALL OUTSIDE CORNERS AS INDICATED ON FINISH PLAN BY . REFER TO ELEVATIONS FOR MORE INFORMATION.
2. PROVIDE INTEGRAL STAINLESS STEEL CORNER GUARDS (SCHLUTER - ECK-E, SIZE TO BE DETERMINED BY TILE THICKNESS) (MIN. 6'-0" TALL) AT ALL OUTSIDE CORNERS WHERE WALL TILE IS TO BE INSTALLED, REFER TO INTERIOR ELEVATIONS FOR HTS. & MORE INFORMATION.
3. SEE FINISH SCHEDULE SHEET A614 FOR MATERIAL KEY

**PROJECT KEY PLAN**



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 BOSTON, MA 02110  
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STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
FED PIN NO: NA	DATE
WIN NO: 017163.03	



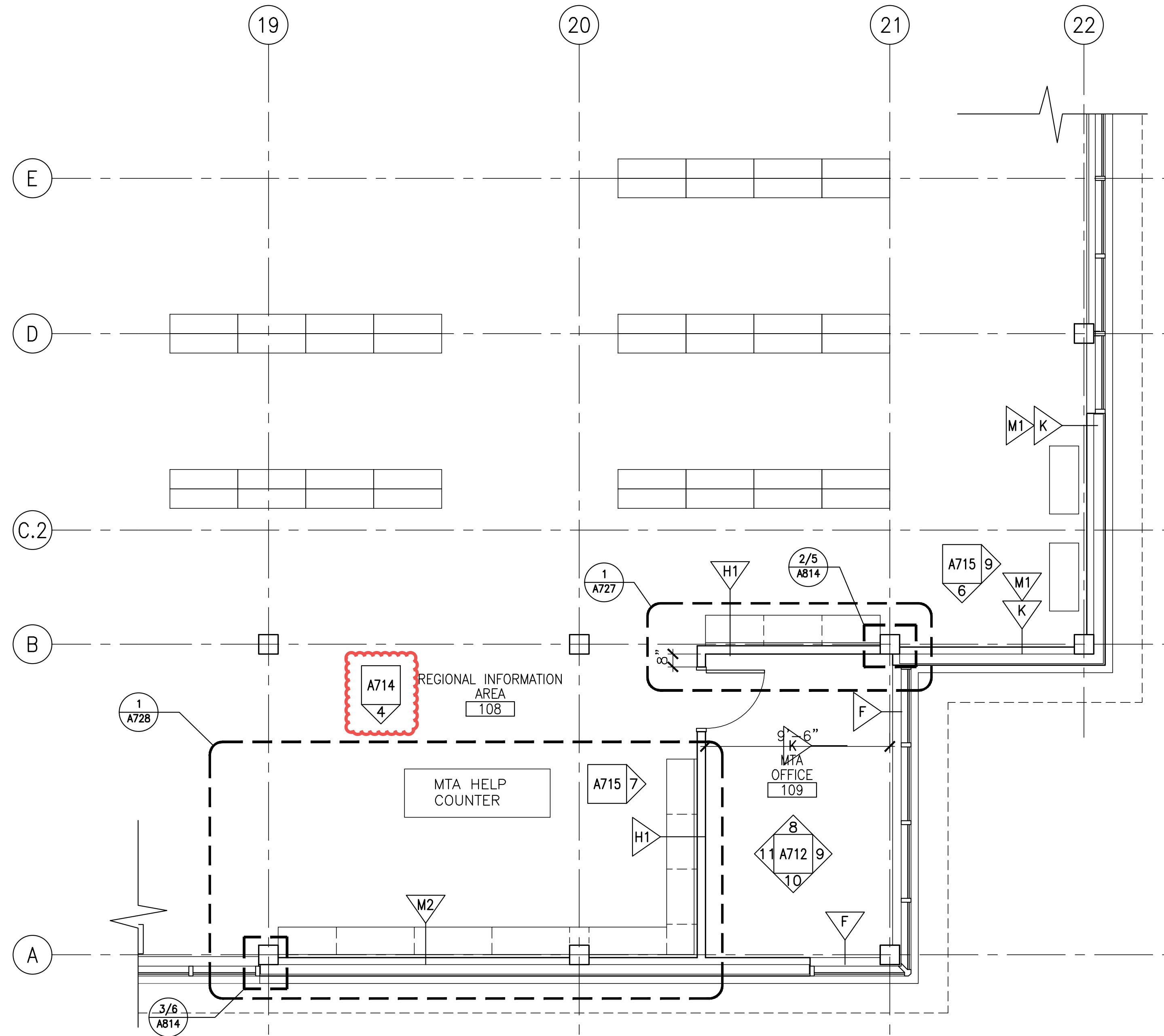
*Kayla Wengler*  
 SIGNATURE  
 ARCH. LIN. NUMBER: ARC6292  
 DATE: JANUARY 17, 2022

PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE

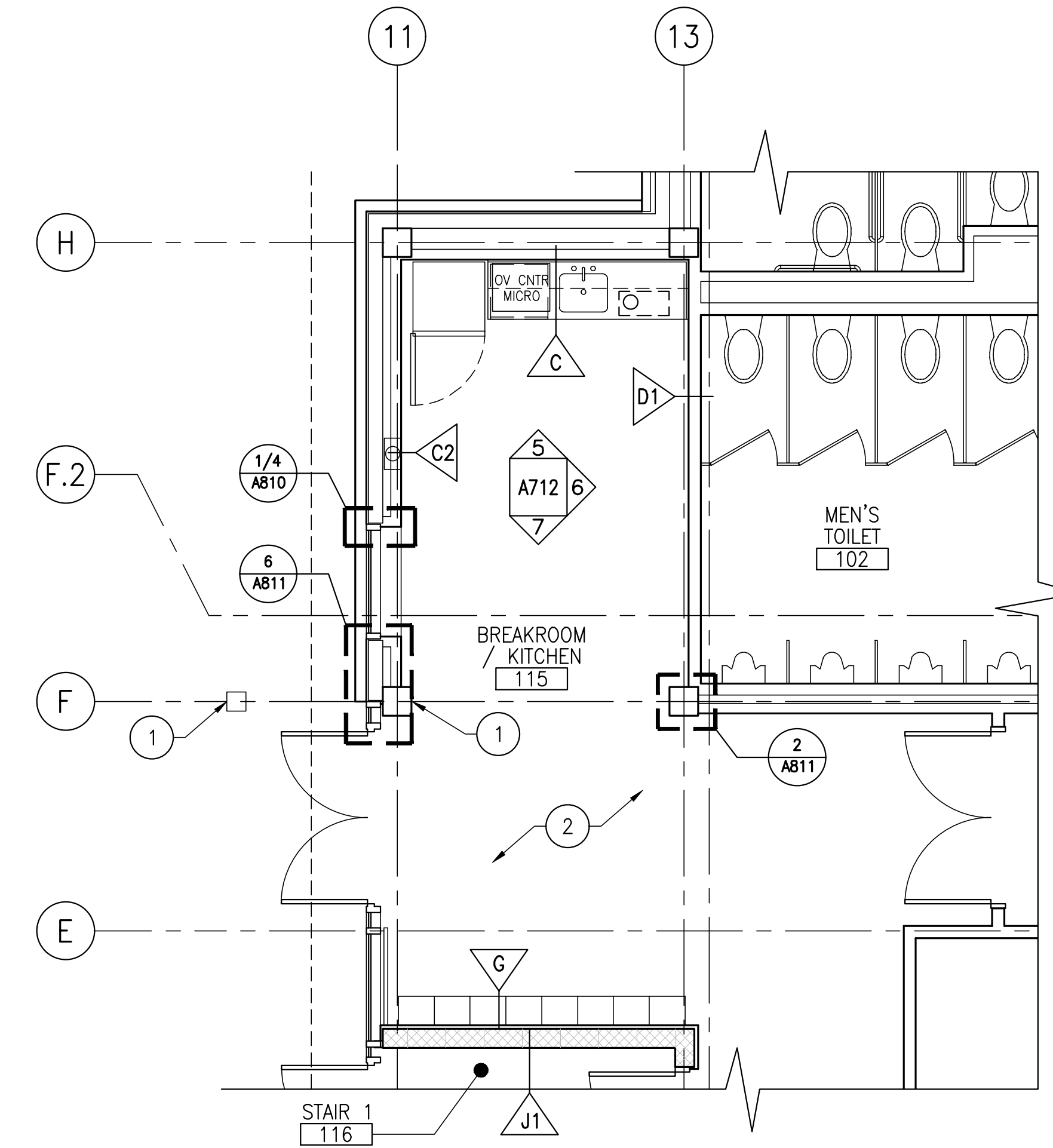
MAINE DEPARTMENT OF TRANSPORTATION  
 ACADIA GATEWAY FACILITY  
 INTERMODAL AND WELCOME CENTER  
**FIRST FLOOR FINISH FLOOR PLAN**

SHEET NUMBER  
**A612**

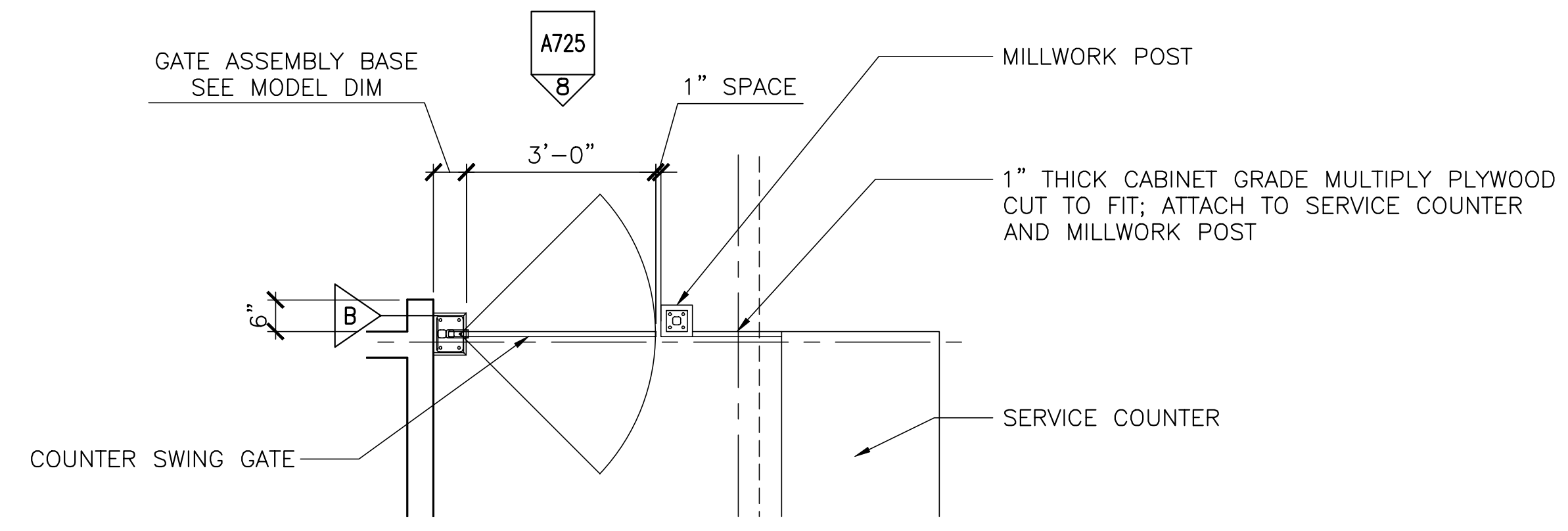
\\na.aecomnet.com\ifs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\_GIS\910\_CAD\_Sheet\A703.dwg Jan 25, 2023 - 4:40pm



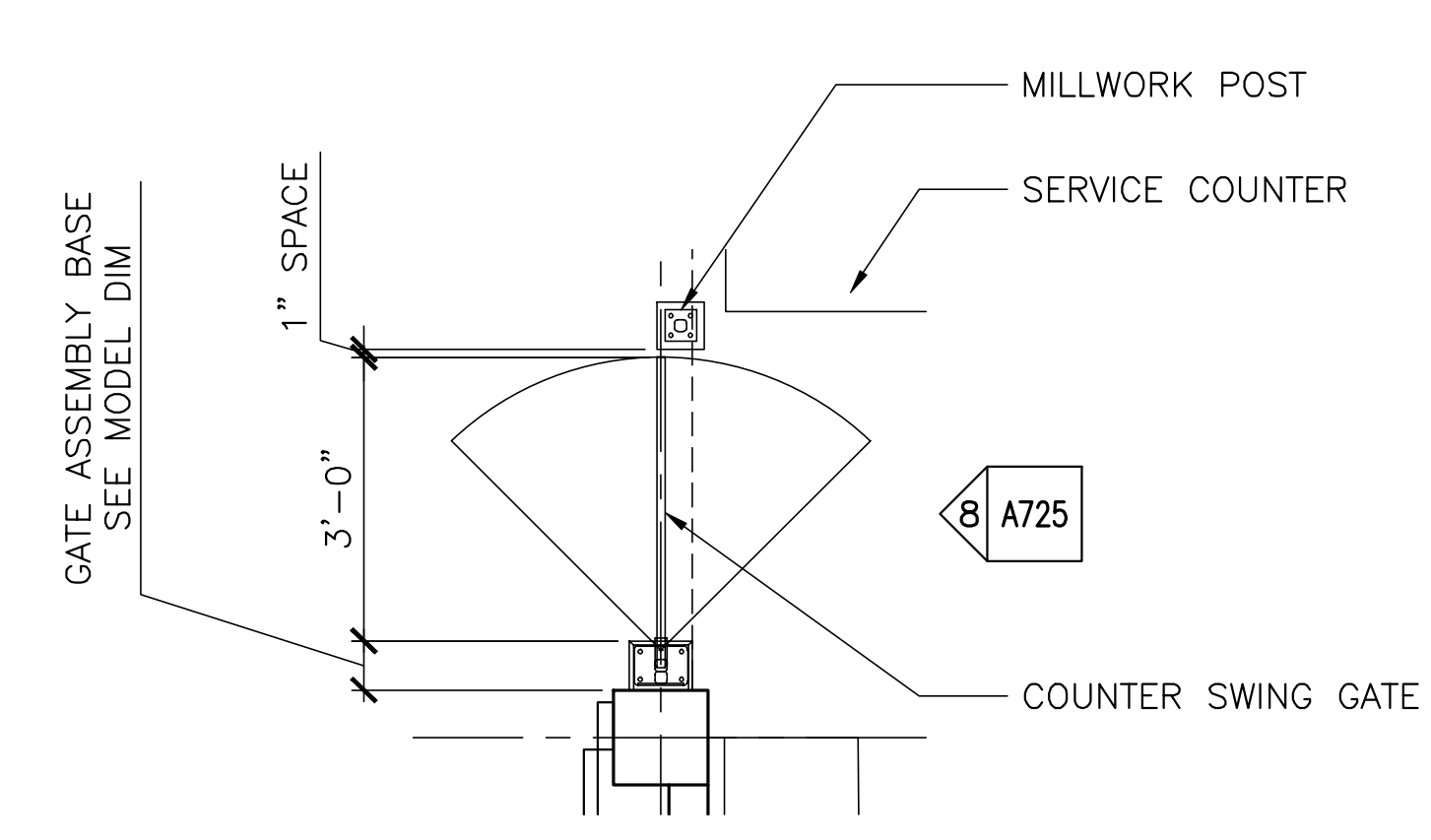
2 ENLARGED REGIONAL INFO AREA AND OFFICE PLAN  
1/4"=1'-0"



1 ENLARGED BREAKROOM / KITCHEN PLAN  
1/4"=1'-0"



4 ENLARGED COUNTER SWING GATE 2 PLAN  
1/2"=1'-0"



3 ENLARGED COUNTER SWING GATE 1 PLAN  
1/2"=1'-0"

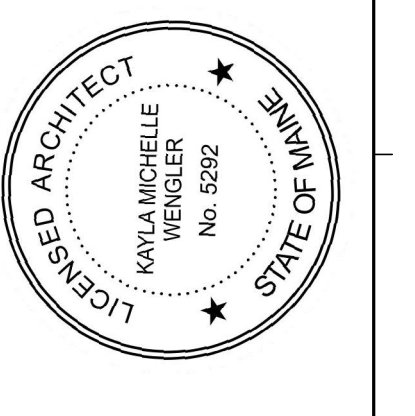
GENERAL NOTES

1. REFER TO A005 FOR TYPICAL MOUNTING HEIGHTS AND CLEARANCES REQUIRED.
2. REFER TO A830 AND A831 FOR ALL PARTITION TYPES.
3. PITCH TO FLOOR DRAINS. MAXIMUM PITCH IS 1" LEAVING 1" OF CONCRETE MINIMUM ON 3/4" PLYWOOD.
4. ALL CHASES TO BE DIMENSIONED. COORDINATE WITH PIPING / RECESSED FIXTURE / HANGER REQUIRED MINIMUM CLEARANCES.

KEY NOTES

1. PUSH BUTTON AUTOMATIC DOOR OPENER
2. FURNITURE TO REMAIN CLEAR OF MEANS OF EGRESS.

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



*Kayla Wengler*  
SIGNATURE  
ARCH. LIN. NUMBER  
ARC65292  
DATE  
JANUARY 17, 2022

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

MAINE DEPARTMENT OF TRANSPORTATION  
ACADIA GATEWAY FACILITY  
INTERMODAL AND WELCOME CENTER  
ENLARGED PLANS III

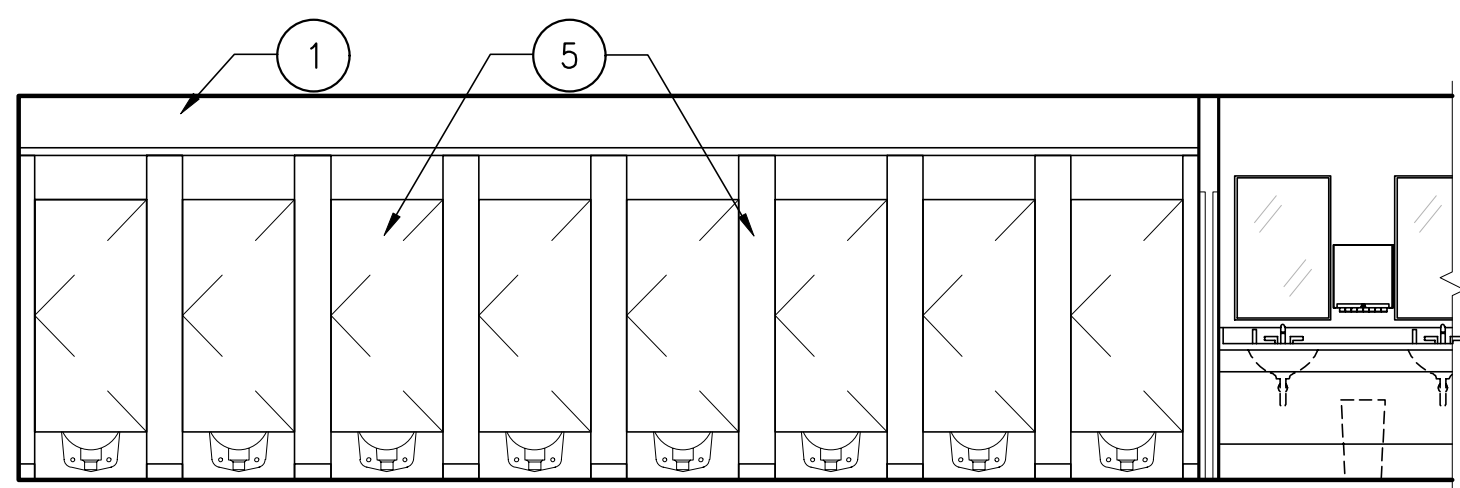
SHEET NUMBER  
A703

**AMENDMENT #6 UPDATES:  
- UPDATED ELEVATION TAG  
IN DRAWING 2**

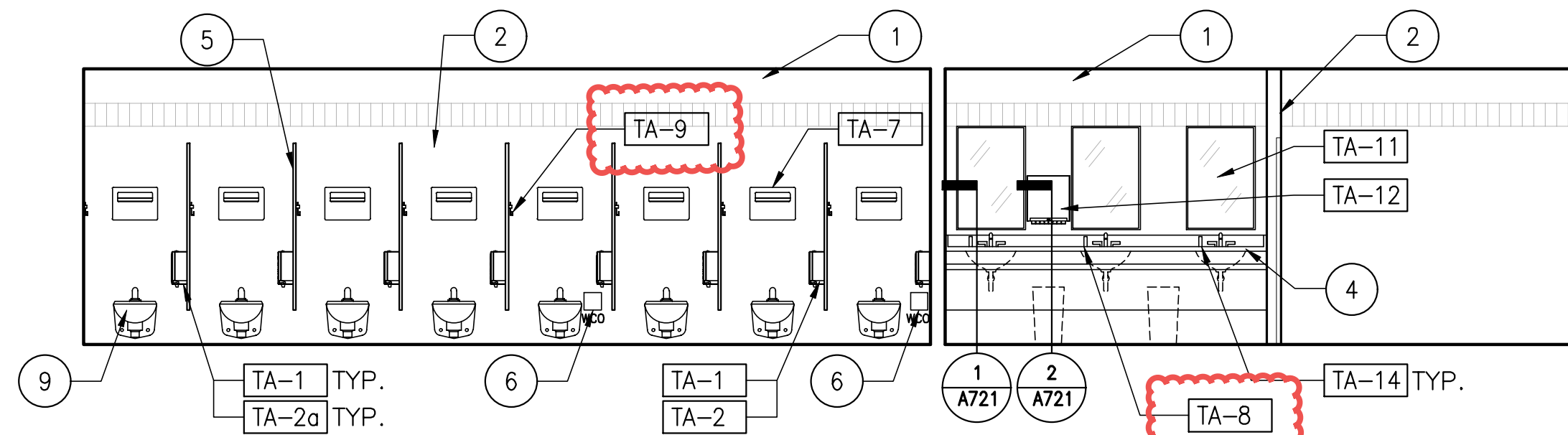
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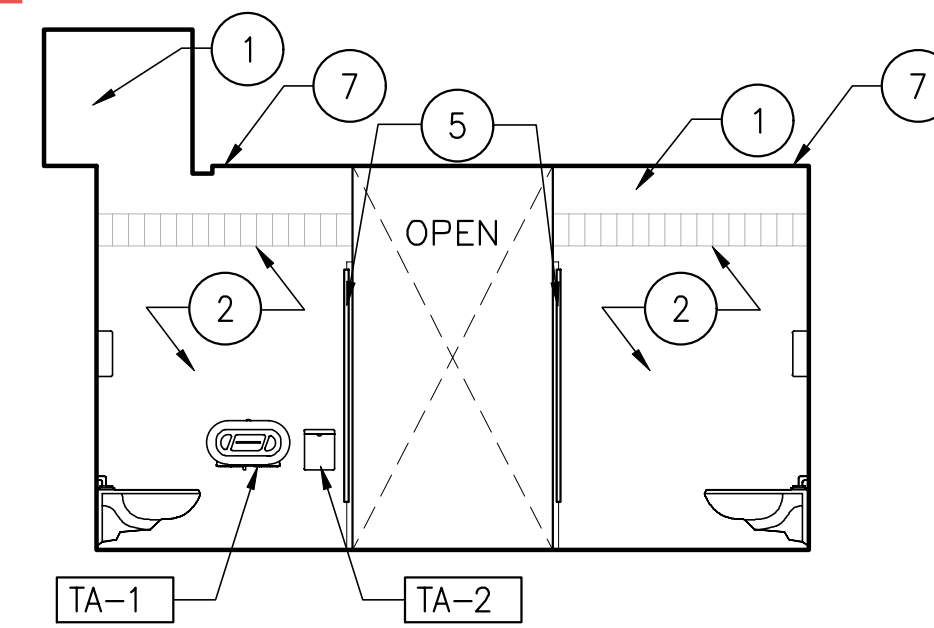
AMENDMENT #6 UPDATES:  
- UPDATED TA-8 AND TA-9 LOCATIONS



1 WOMEN'S TOILET (101)  
1/4"=1'-0"



2 WOMEN'S TOILET (101)  
1/4"=1'-0"



3 WOMEN'S TOILET (101)  
1/4"=1'-0"

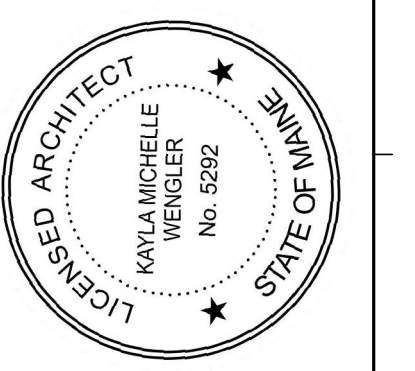
TOILET ROOM NOTES

1. ALL METAL STUDS TO BE GALVANIZED UNLESS OTHERWISE NOTED.
2. SEE SPECIFIED PAINT SCHEDULE.
3. REFER TO SPECIFICATIONS FOR ACCESSORIES.
4. ALL WALL TILE WT-4 UON.
5. COAT HOOKS TO BE INSTALLED IN EACH TOILET STALL ON PARTITION WALL.
6. REFER TO A005 FOR TYPICAL MOUNTING HEIGHTS AND CLEARANCES REQUIRED.

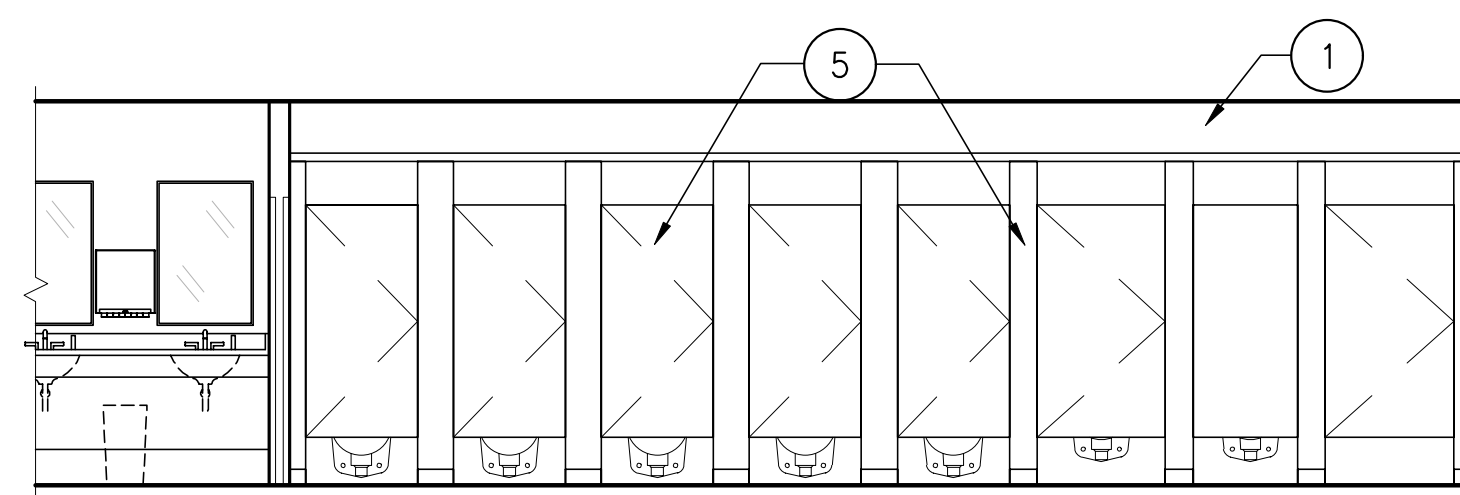
KEY NOTES

- 1 PAINTED GWB
- 2 CERAMIC TILE
- 3 CORNER GUARD(S)
- 4 SOLID SURFACE COUNTERTOP
- 5 TOILET PARTITION
- 6 WALL CLEANOUT (WCO)
- 7 SLOT LIGHT
- 8 LAVATORY
- 9 TOILET
- 11 BASE - SEE ROOM FINISH SCHEDULE

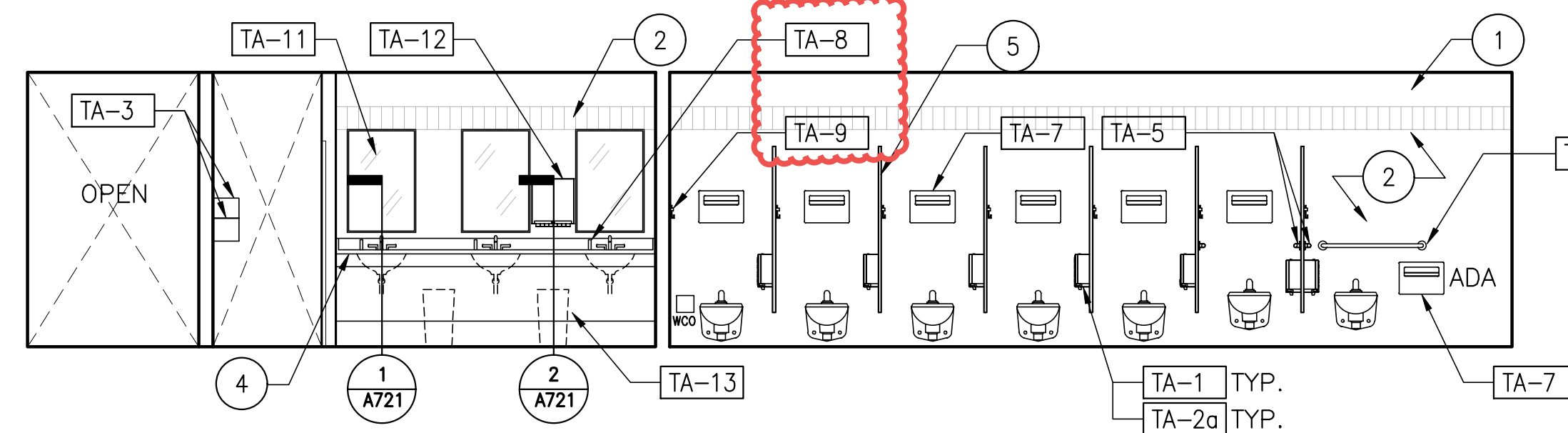
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	DATE
FED PIN NO: NA	WIN NO: 017163.03



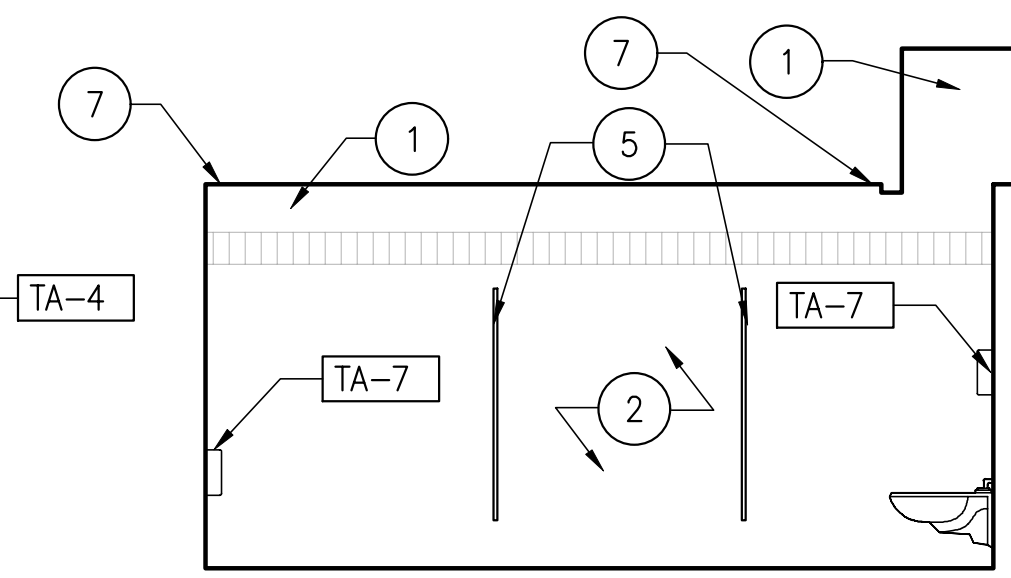
SIGNATURE  
 ARCH. LIN. NUMBER  
 ARC6292  
 DATE  
 JANUARY 17, 2022



4 WOMEN'S TOILET (101)  
1/4"=1'-0"



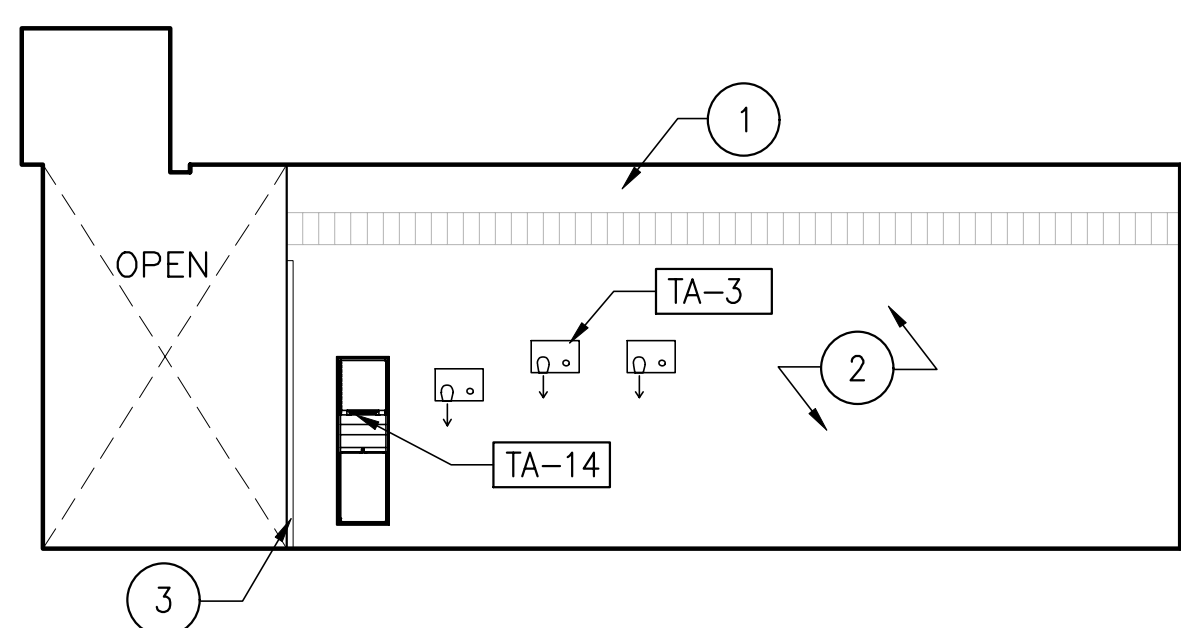
5 WOMEN'S TOILET (101)  
1/4"=1'-0"



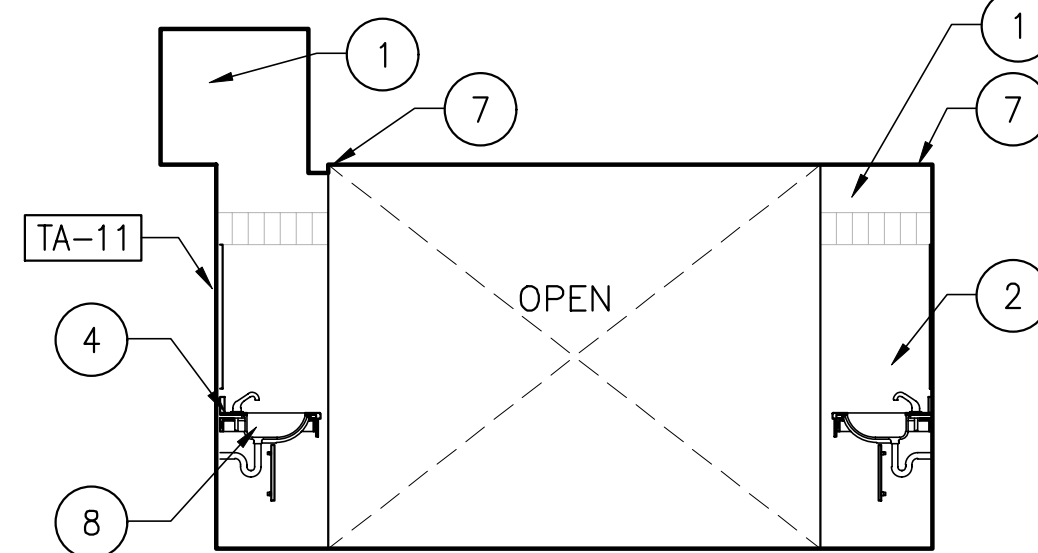
6 WOMEN'S TOILET (101)  
1/4"=1'-0"

TOILET ACCESSORY TABLE

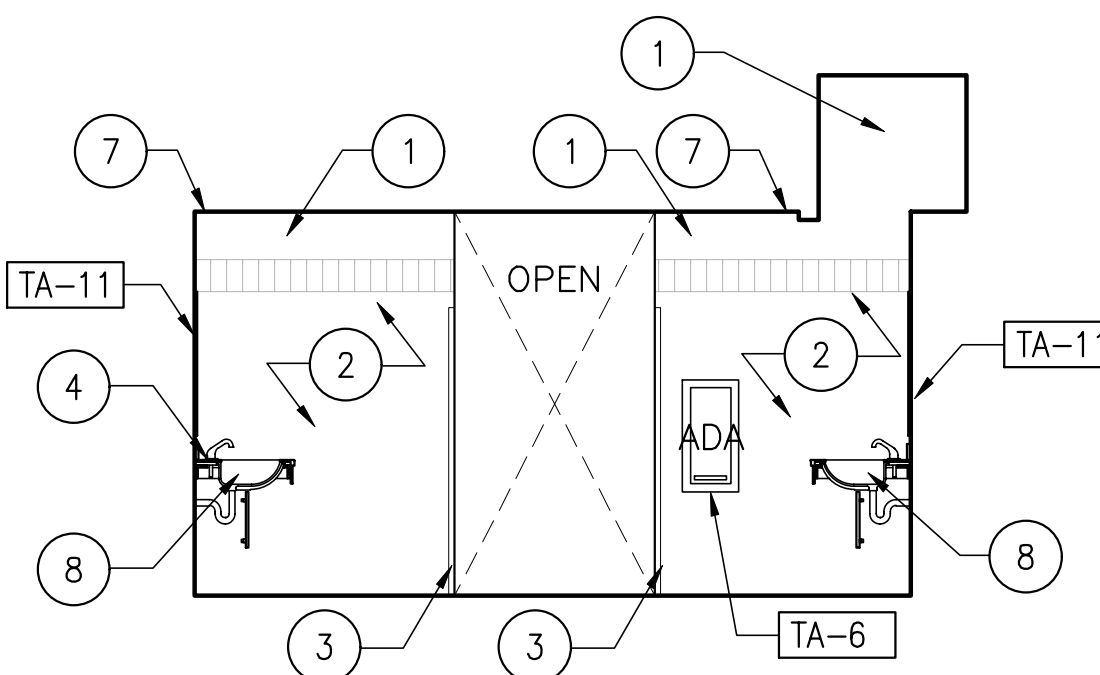
FIXTURE NUMBER	DESCRIPTION
TA1	Toilet Tissue Dispenser
TA2	Napkin Disposal, Surface-Mounted
TA2a	Sanitary Napkin Disposal, Partition-Mounted
TA3	Electric Hand Dryer
TA4	36" Grab Bar
TA5	42" Grab Bar
TA6	Sanitary Napkin Vending
TA7	Toilet Seat Cover Dispenser
TA8	Counter Mounted Soap Dispenser
TA9	Coat / Robe Hook
TA10	Shelf / Mop Holder
TA11	Mirror(s)
TA12	Paper Towel Dispenser
TA13	Undercounter Waste Receptacle
TA14	Wall Mounted Waste Receptacle And Paper Towel Dispenser



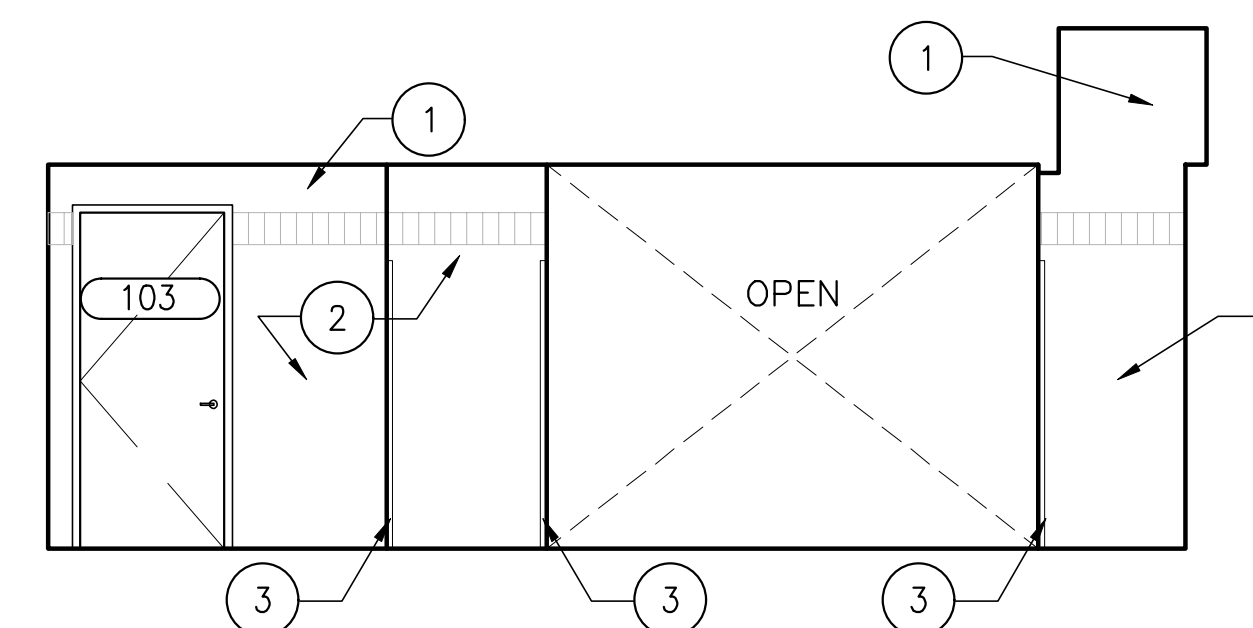
7 WOMEN'S TOILET (101)  
1/4"=1'-0"



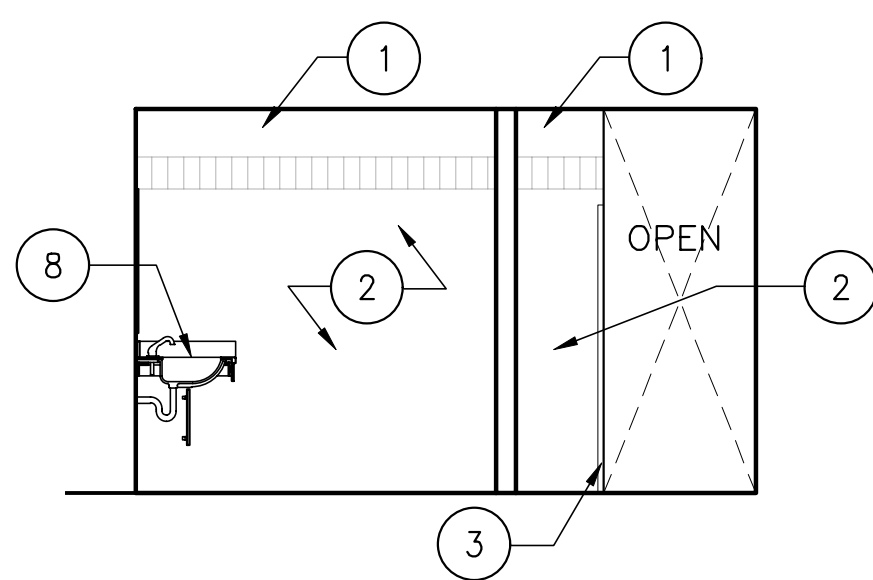
8 WOMEN'S TOILET (101)  
1/4"=1'-0"



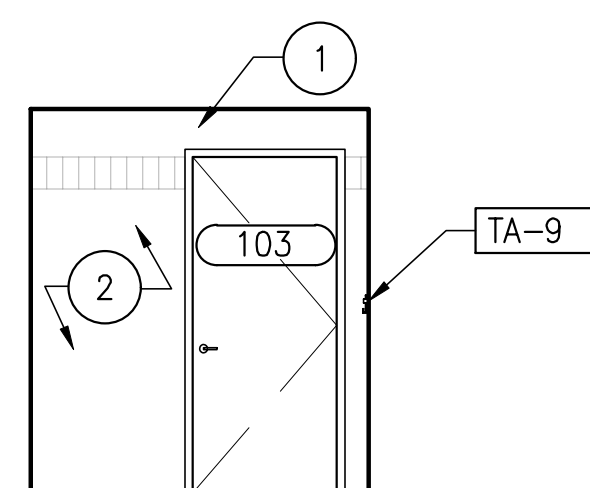
9 WOMEN'S TOILET (101)  
1/4"=1'-0"



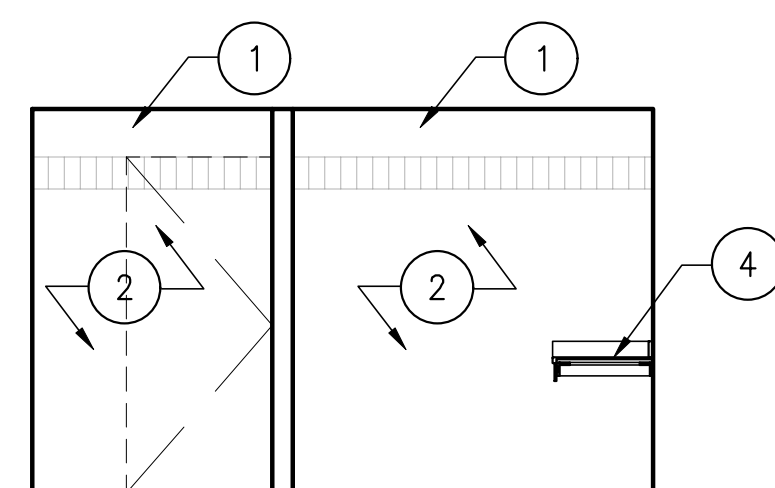
10 WOMEN'S TOILET (101)  
1/4"=1'-0"



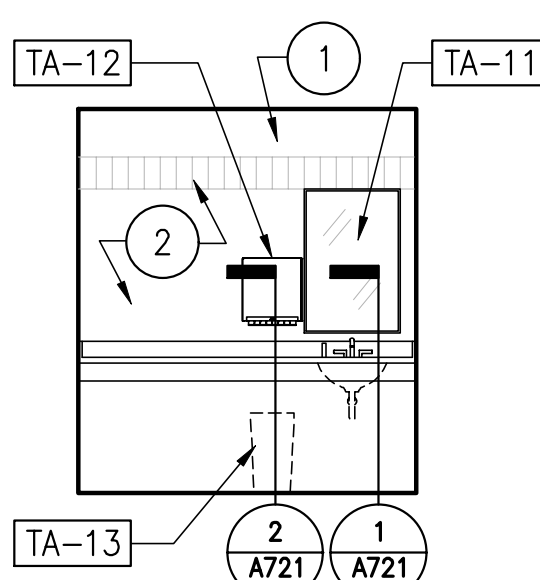
11 NURSING (103)  
1/4"=1'-0"



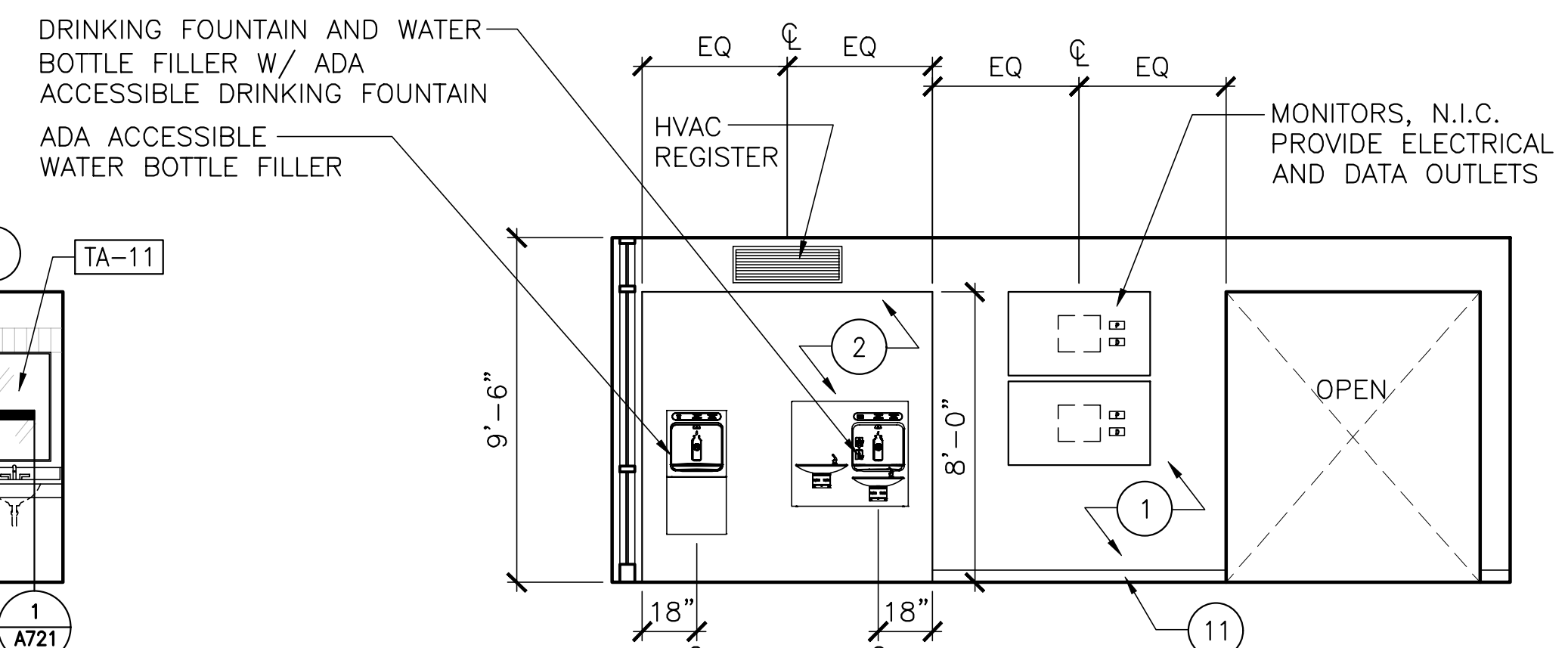
12 NURSING (103)  
1/4"=1'-0"



13 NURSING (103)  
1/4"=1'-0"



14 NURSING (103)  
1/4"=1'-0"



15 LOBBY (105)  
1/4"=1'-0"

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

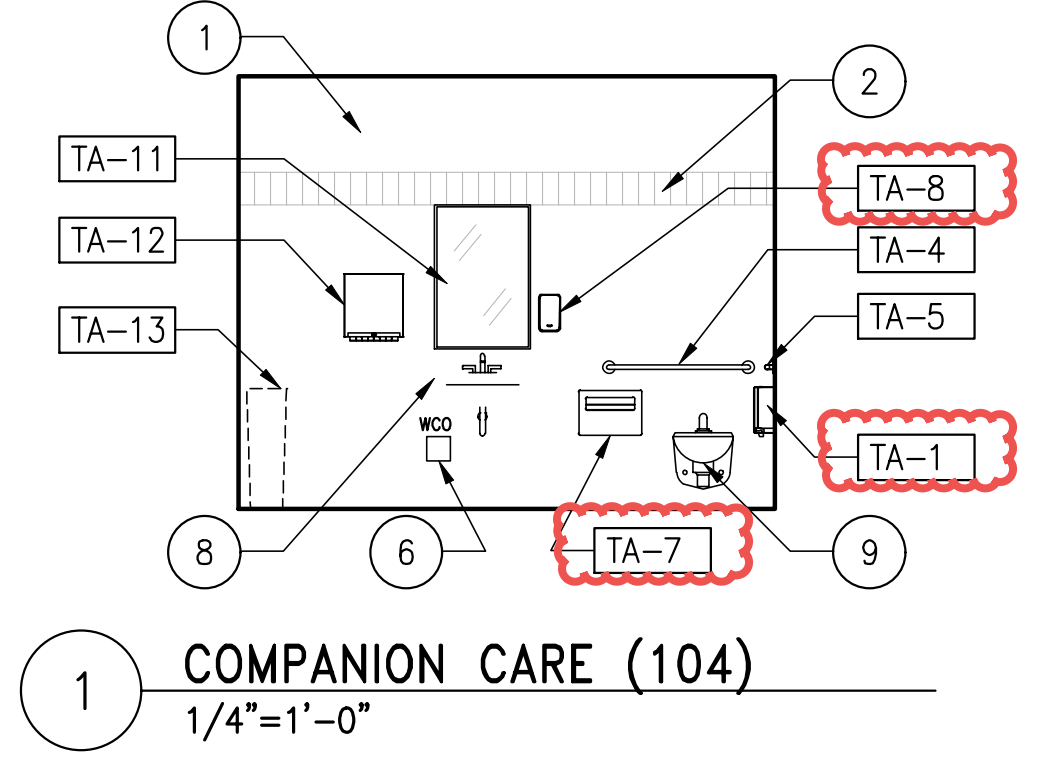
MAINE DEPARTMENT OF TRANSPORTATION  
**ACADIA GATEWAY FACILITY**  
 INTERMODAL AND WELCOME CENTER  
**ROOM ELEVATIONS I**

SHEET NUMBER  
**A710**

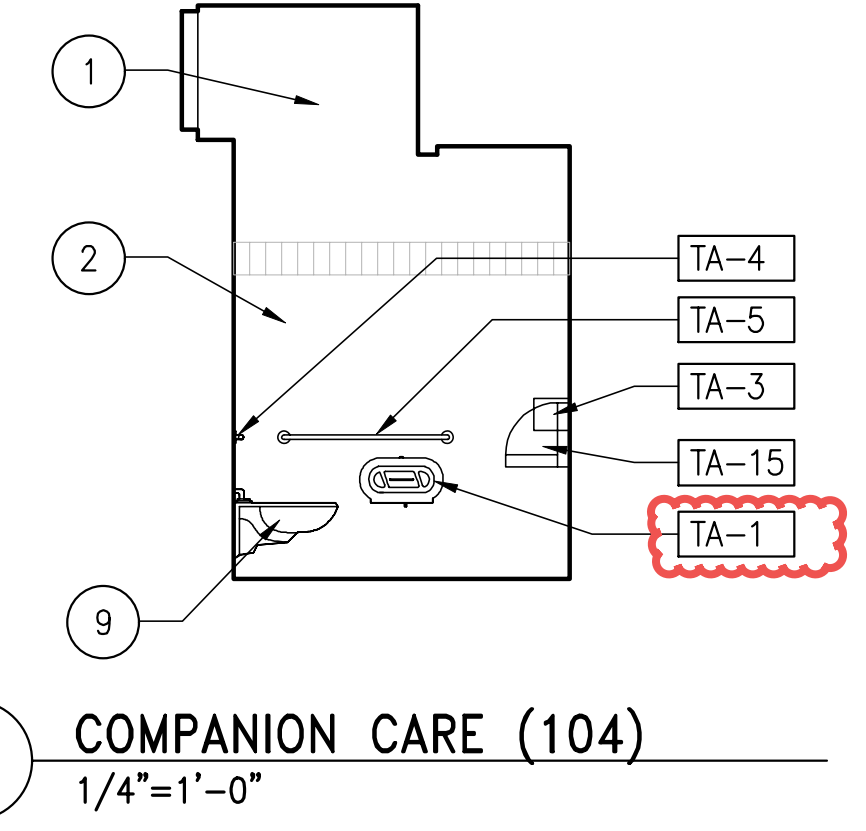
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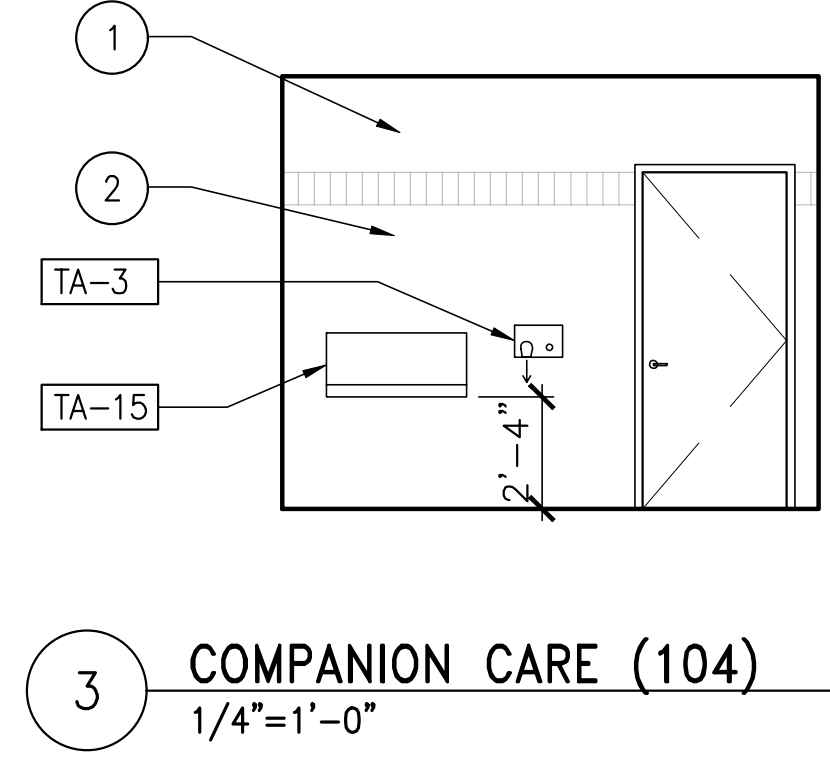
\\na.aecomnet.com\ifs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\Sheet\A712.dwg Jan 25, 2023 - 3:25pm



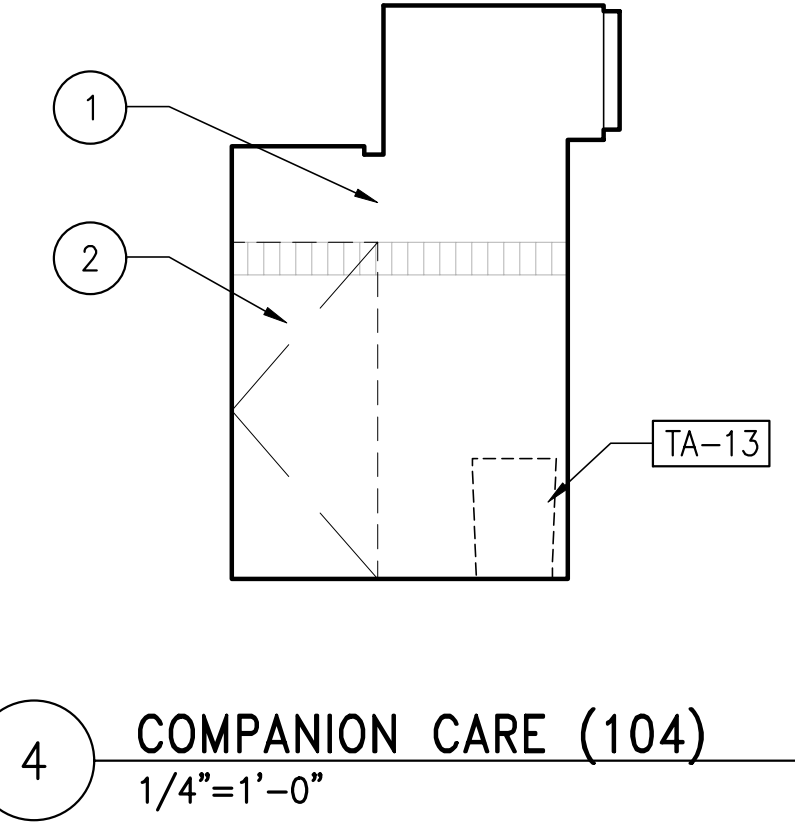
1 COMPANION CARE (104)  
1/4"=1'-0"



2 COMPANION CARE (104)  
1/4"=1'-0"



3 COMPANION CARE (104)  
1/4"=1'-0"



4 COMPANION CARE (104)  
1/4"=1'-0"

TOILET ROOM NOTES

1. ALL METAL STUDS TO BE GALVANIZED UNLESS OTHERWISE NOTED.
2. SEE SPECIFIED PAINT SCHEDULE.
3. REFER TO SPECIFICATIONS FOR ACCESSORIES.
4. ALL WALL TILE WT-4 UON.
5. REFER TO SHEET A-004 FOR MOUNTING TYPICAL HEIGHTS.
6. REFER TO A004 & A005 FOR TYPICAL MOUNTING HEIGHTS AND CLEARANCES REQUIRED.

TOILET KEY NOTES

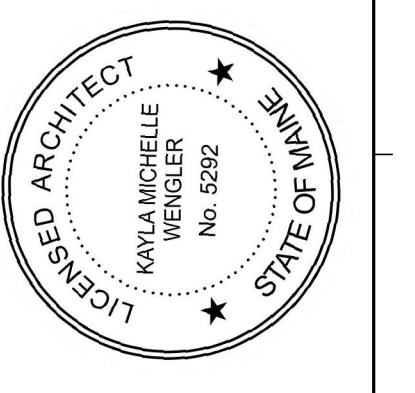
- 1 PAINTED GWB
- 2 CERAMIC TILE
- 3 CORNER GUARD(S)
- 4 SOLID SURFACE COUNTERTOP
- 5 TOILET PARTITION
- 6 WALL CLEANOUT (WCO)
- 7 WALL MOUNTED LIGHT
- 8 LAVATORY
- 9 TOILET
- 11 BASE - SEE ROOM FINISH SCHEDULE
- 12 WOOD SLAT WALL
- 18 TONGUE & GROOVE PLANK SYSTEM, REFER TO PARTITION TYPES

TOILET ACCESSORY TABLE

FIXTURE NUMBER	DESCRIPTION
TA1	Toilet Tissue Dispenser
TA2	Napkin Disposal, Surface-Mounted
TA2a	Sanitary Napkin Disposal, Partition-Mounted
TA3	Electric Hand Dryer
TA4	36" Grab Bar
TA5	42" Grab Bar
TA6	Sanitary Napkin Vending
TA7	Toilet Seat Cover Dispenser
TA8	Counter Mounted Soap Dispenser
TA9	Coat / Robe Hook
TA10	Shelf / Mop Holder
TA11	Mirror(s)
TA12	Paper Towel Dispenser
TA13	Undercounter Waste Receptacle
TA14	Wall Mounted Waste Receptacle And Paper Towel Dispenser
TA15	Wall Mounted Diaper Changing Station; MFR and Model TBD

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

FED PIN NO: NA  
WIN NO: 017163.03



*Kayla Wengler*  
SIGNATURE

ARCH. LIN. NUMBER  
ARC5292

DATE  
JANUARY 17, 2022

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

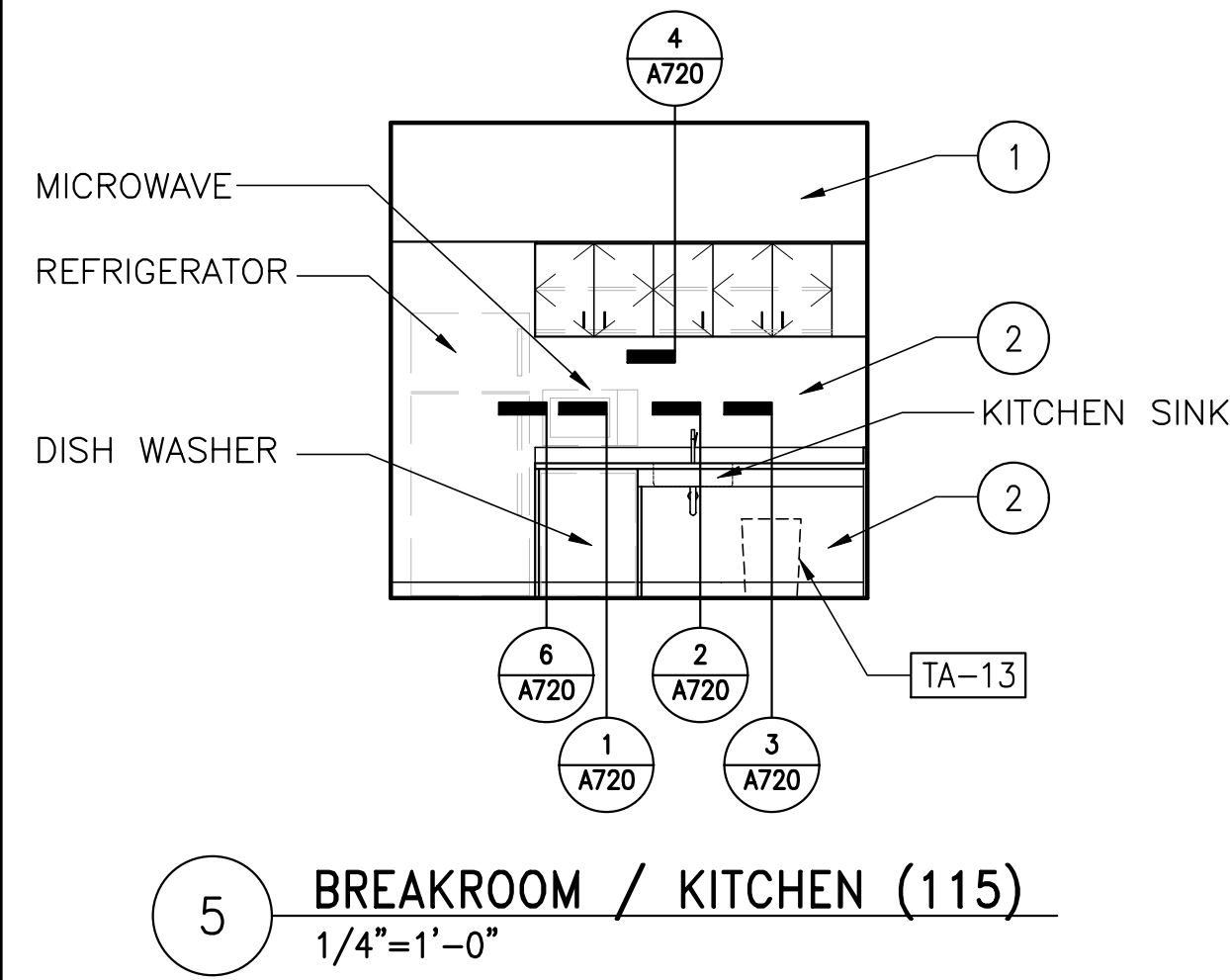
MAINE DEPARTMENT OF TRANSPORTATION  
ACADIA GATEWAY FACILITY  
INTERMODAL AND WELCOME CENTER  
ROOM ELEVATIONS III

**AMENDMENT #6 UPDATES:**  
- UPDATED TAGS IN DRAWINGS 1 AND 2

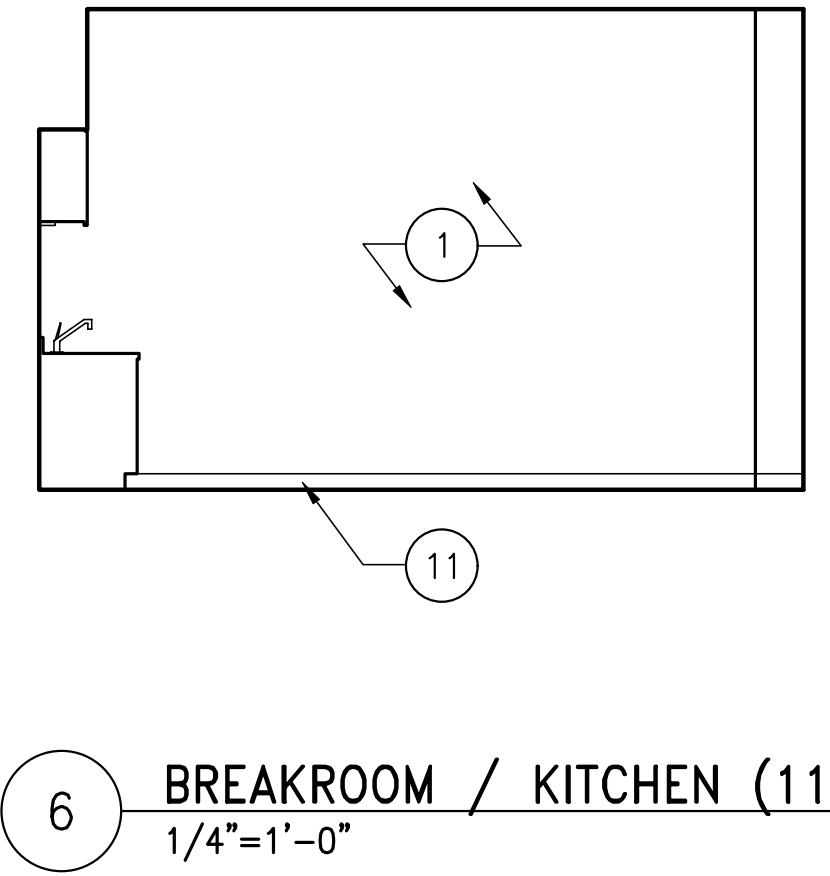
**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
617.723.1700  
www.aecom.com

SHEET NUMBER

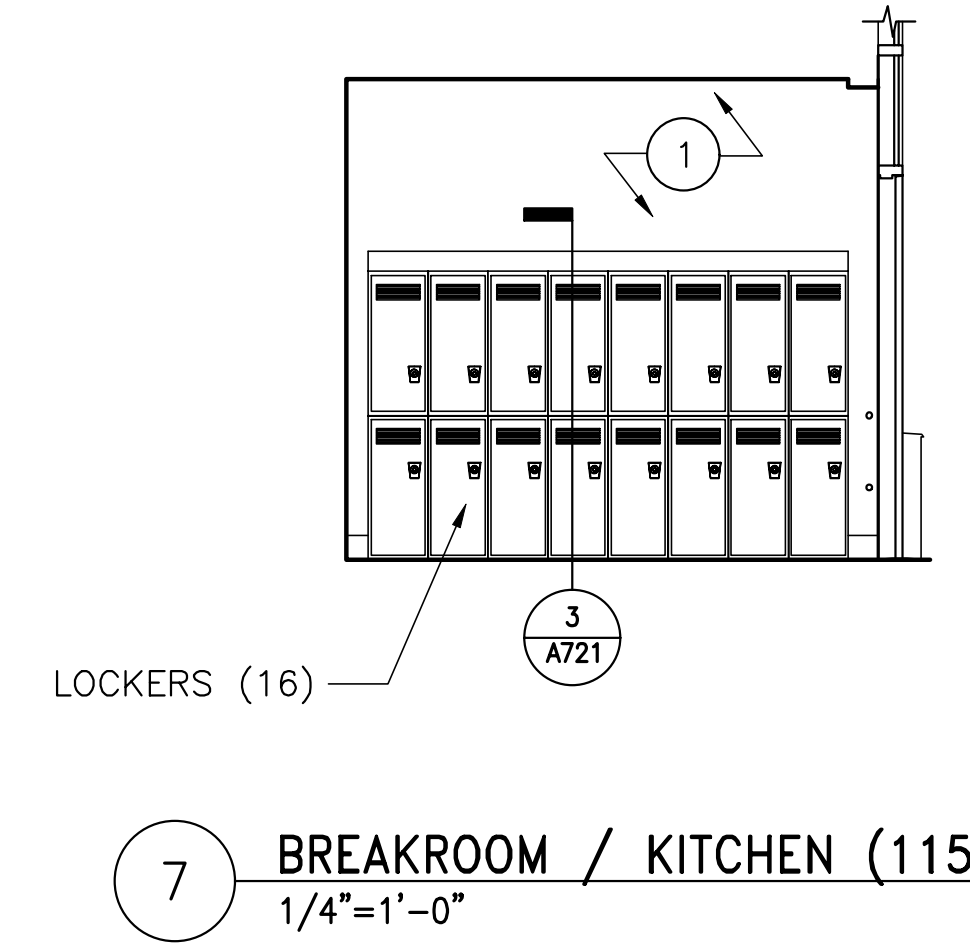
A712



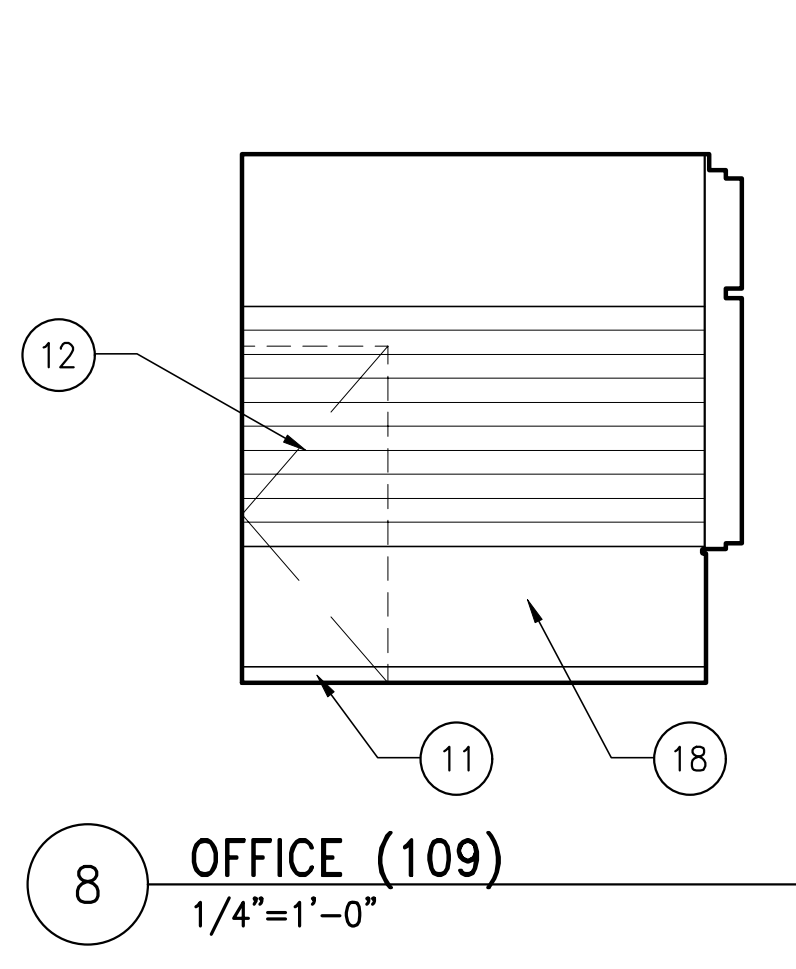
5 BREAKROOM / KITCHEN (115)  
1/4"=1'-0"



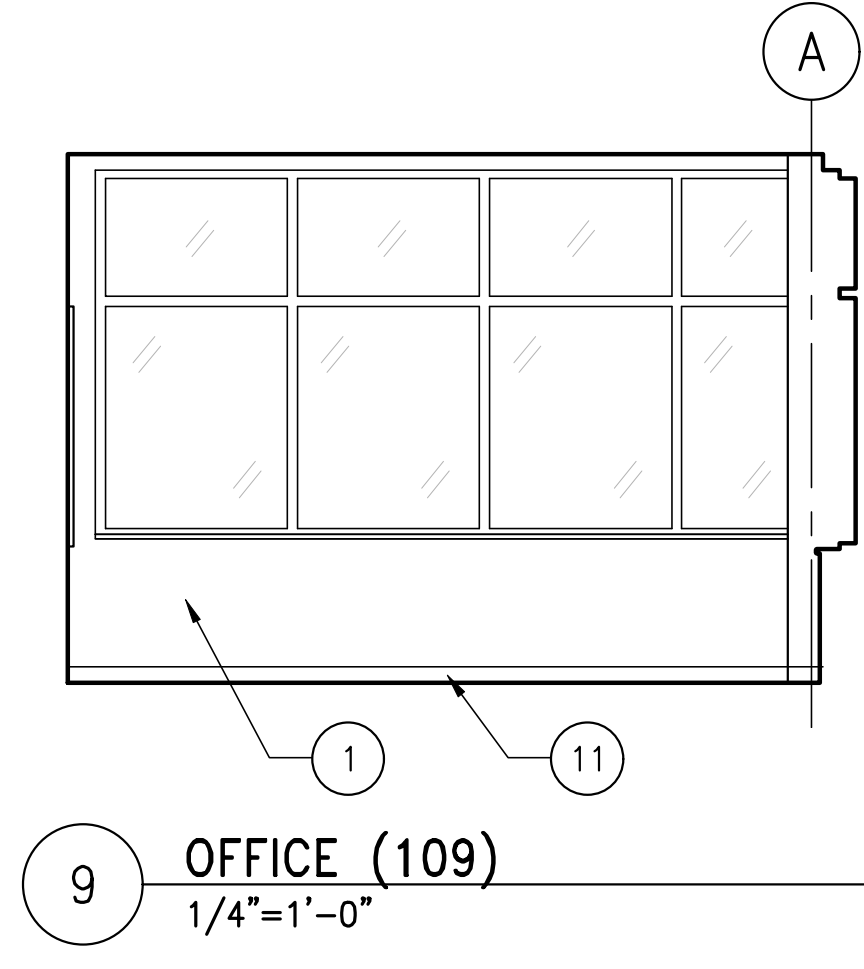
6 BREAKROOM / KITCHEN (115)  
1/4"=1'-0"



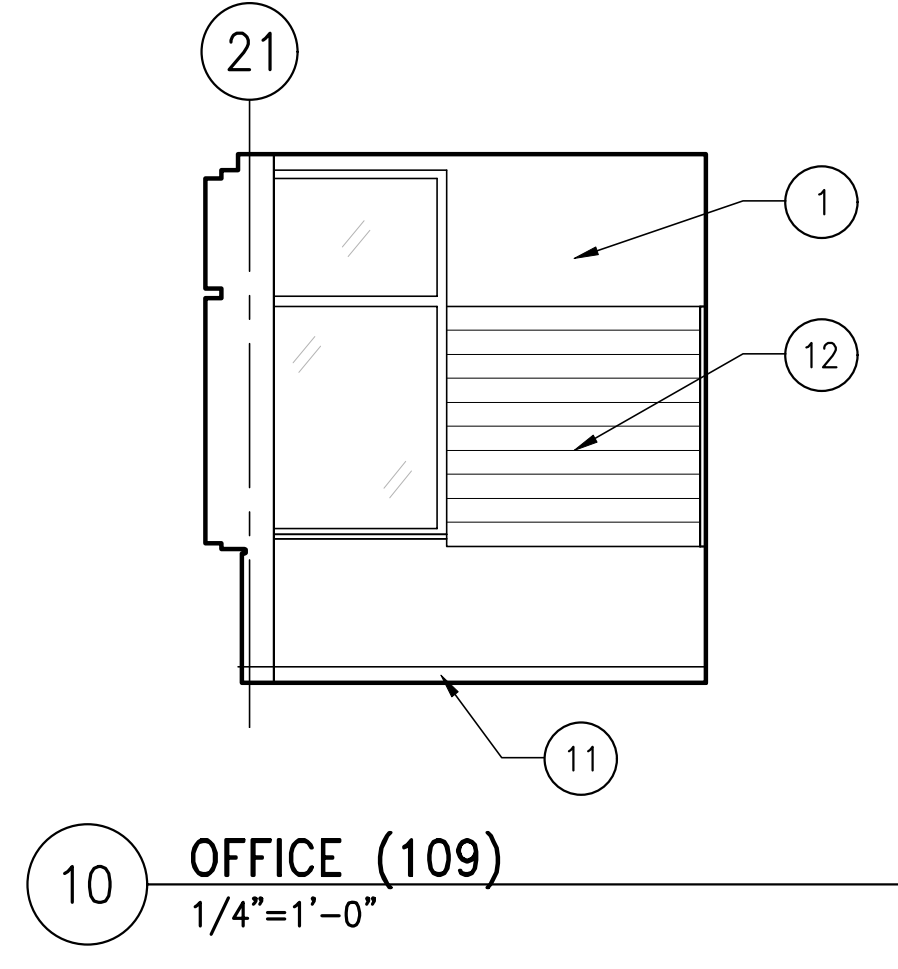
7 BREAKROOM / KITCHEN (115)  
1/4"=1'-0"



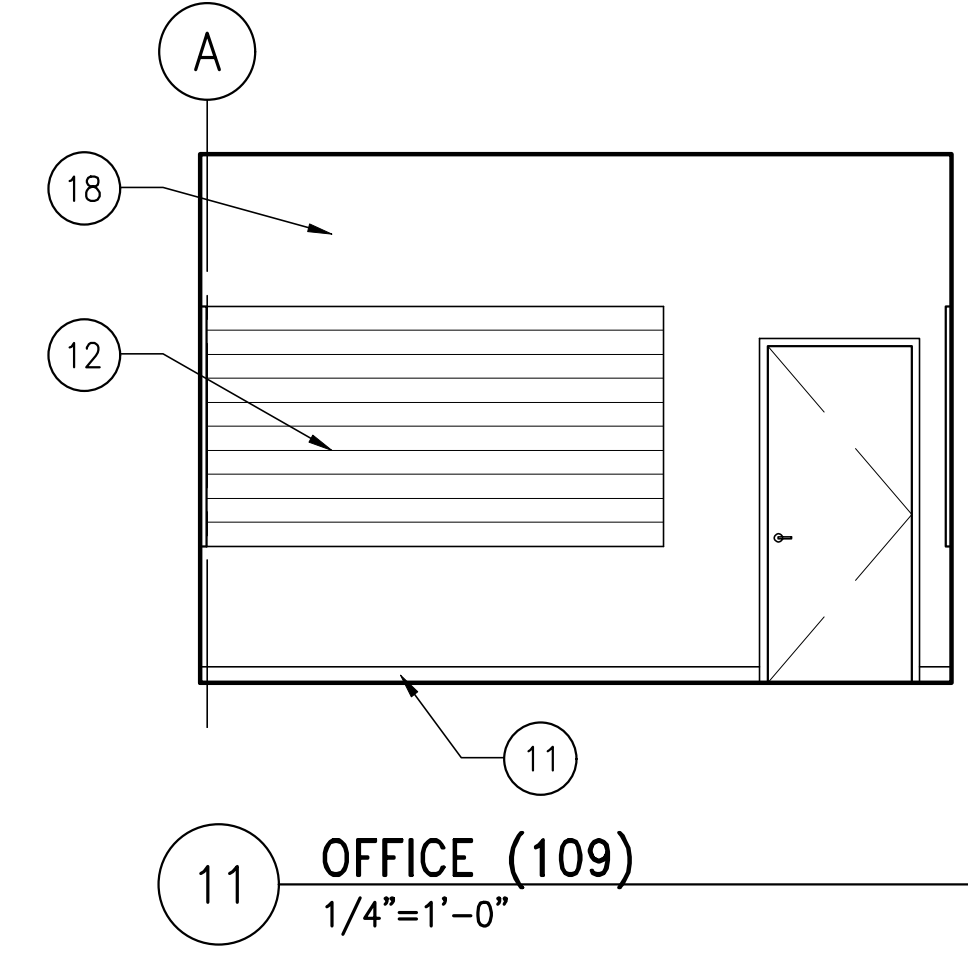
8 OFFICE (109)  
1/4"=1'-0"



9 OFFICE (109)  
1/4"=1'-0"

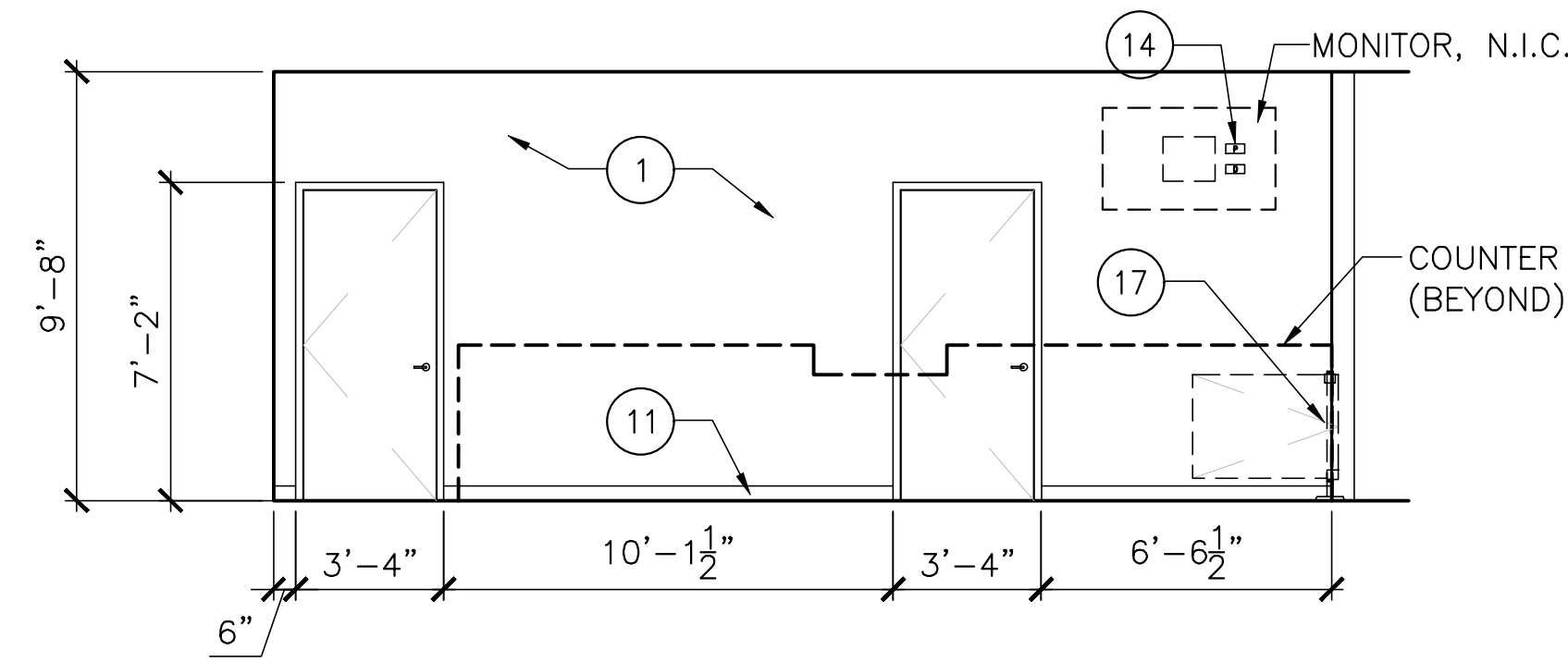


10 OFFICE (109)  
1/4"=1'-0"



11 OFFICE (109)  
1/4"=1'-0"

\\na.aecomnet.com\ifs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\_GIS\910\_CAD\Sheet\A715.dwg Jan 25, 2023 - 4:01pm



1 NPS/ENS AND ENS BACKWALL (112 & 113)  
1/4"=1'-0"

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

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

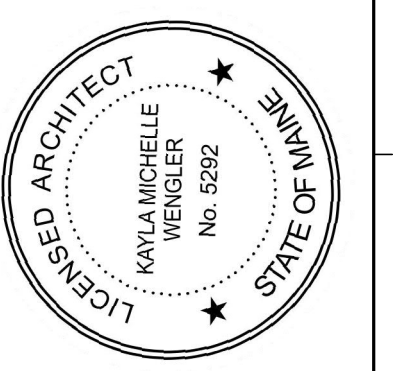
GENERAL NOTES

1. ALL METAL STUDS TO BE GALVANIZED UNLESS OTHERWISE NOTED.
2. SEE SPECIFIED PAINT SCHEDULE.
3. REFER TO SPECIFICATIONS FOR ACCESSORIES.
4. ALL WALL TILE WT-4 UON.
5. REFER TO A005 FOR TYPICAL MOUNTING HEIGHTS AND CLEARANCES REQUIRED.

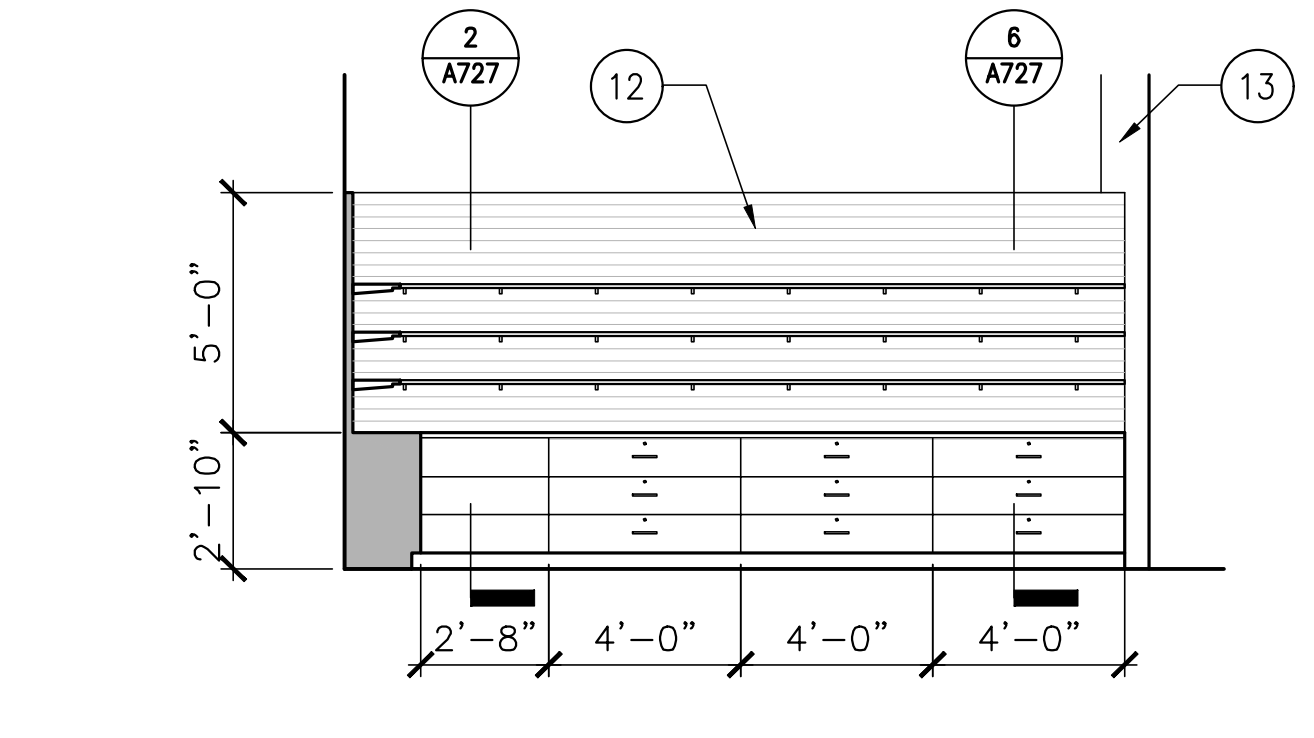
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	DATE
FED PIN NO: NA	
WIN NO: 017163.03	

KEY NOTES

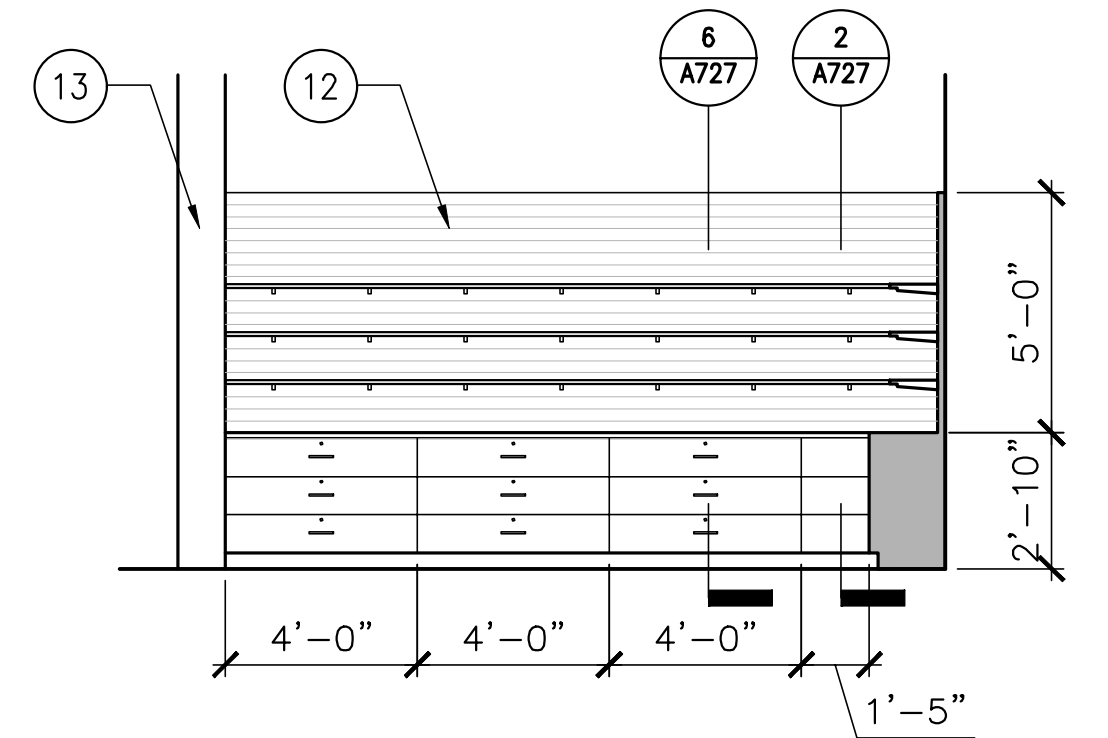
- 1 PAINTED GWB
- 3 CORNER GUARD(S)
- 4 SOLID SURFACE COUNTERTOP
- 11 BASE - SEE ROOM FINISH SCHEDULE
- 12 WOOD SLAT WALL
- 13 WOOD TIMBER COLUMN
- 14 ELECTRICAL & DATA OUTLETS
- 15 AUTOMATIC DOOR PUSH BUTTON
- 16 1"± THK. STONE VENEER, REFER TO SPECIFICATIONS
- 17 COUNTER SWING GATE
- 18 ACOUSTIC WOOD-LOOKS PANELS



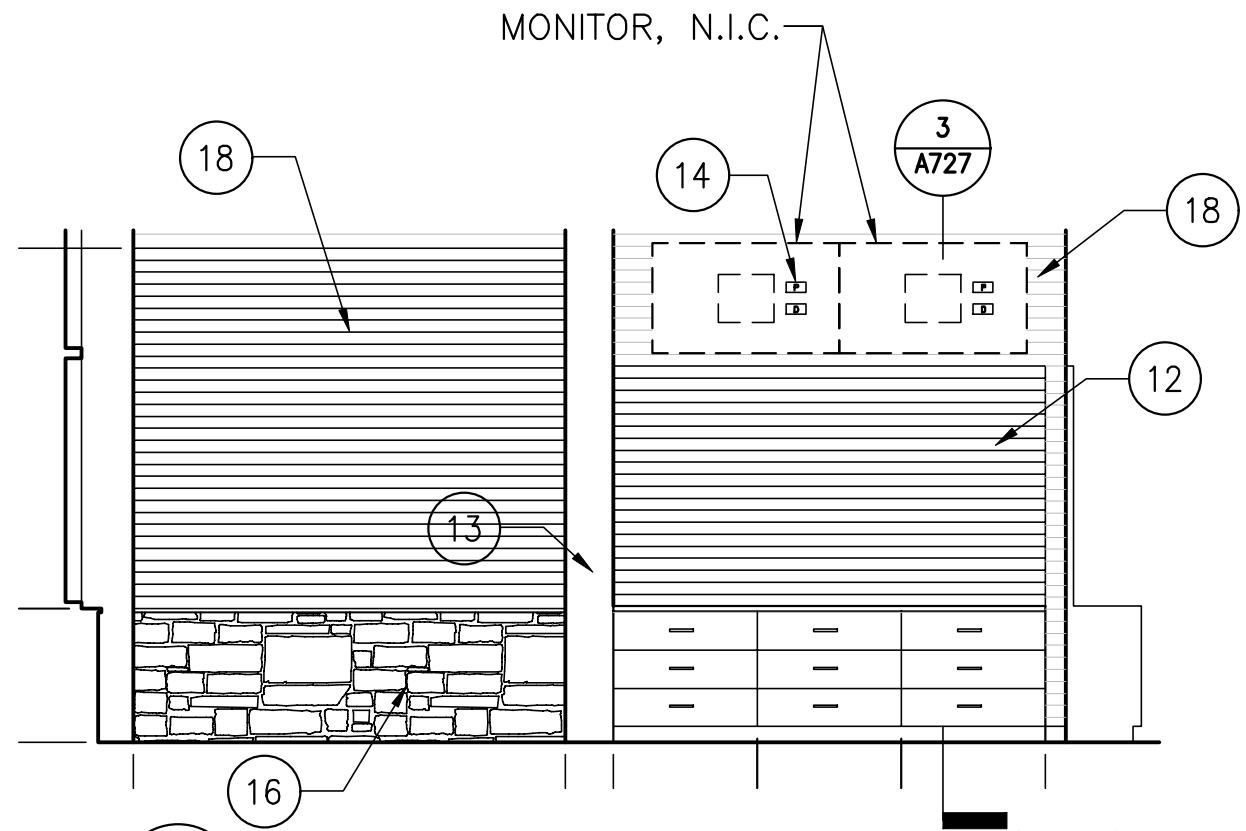
*Kayla Wengler*  
SIGNATURE  
ARCH. LIN. NUMBER: ARC5292  
DATE: JANUARY 17, 2022



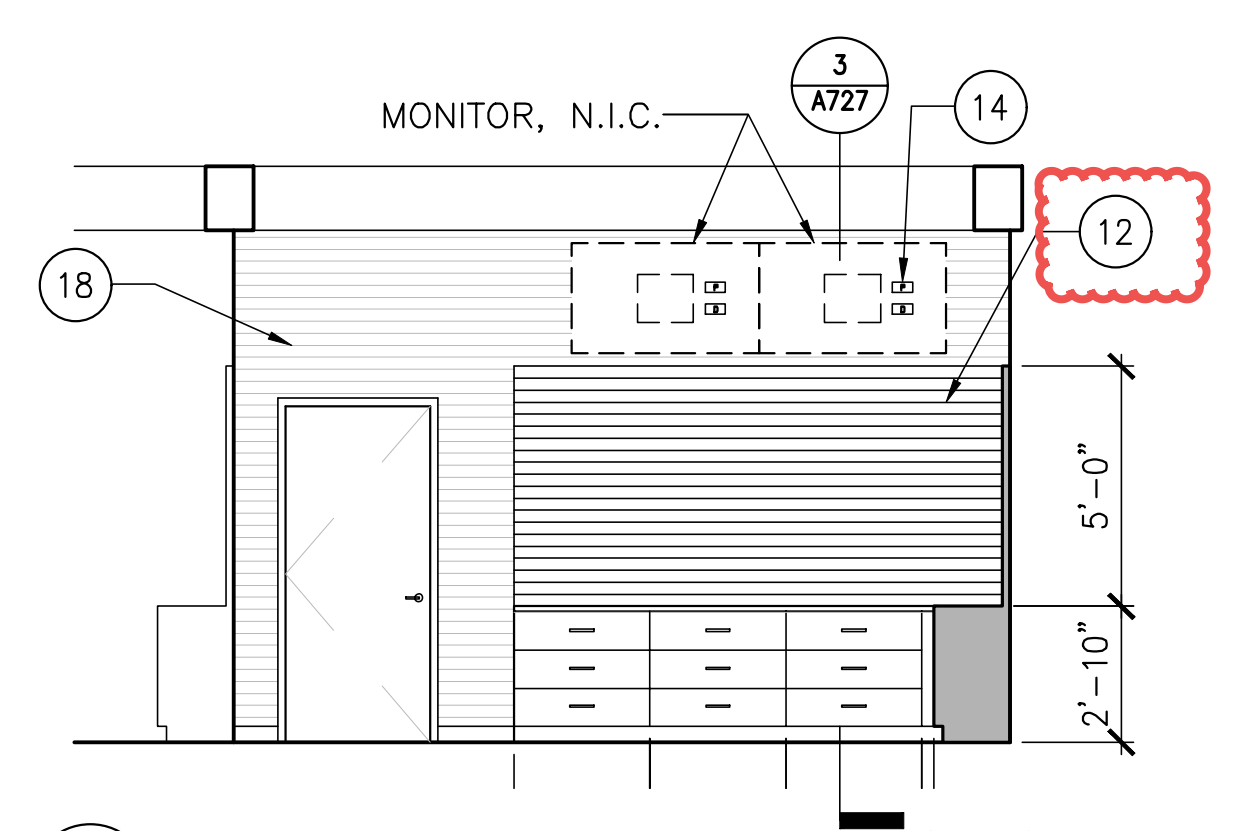
4 NPS/ENS AREA (112)  
1/4"=1'-0"



5 NPS/ENS AREA (112)  
1/4"=1'-0"



6 REGIONAL INFORMATION AREA (108)  
1/4"=1'-0"

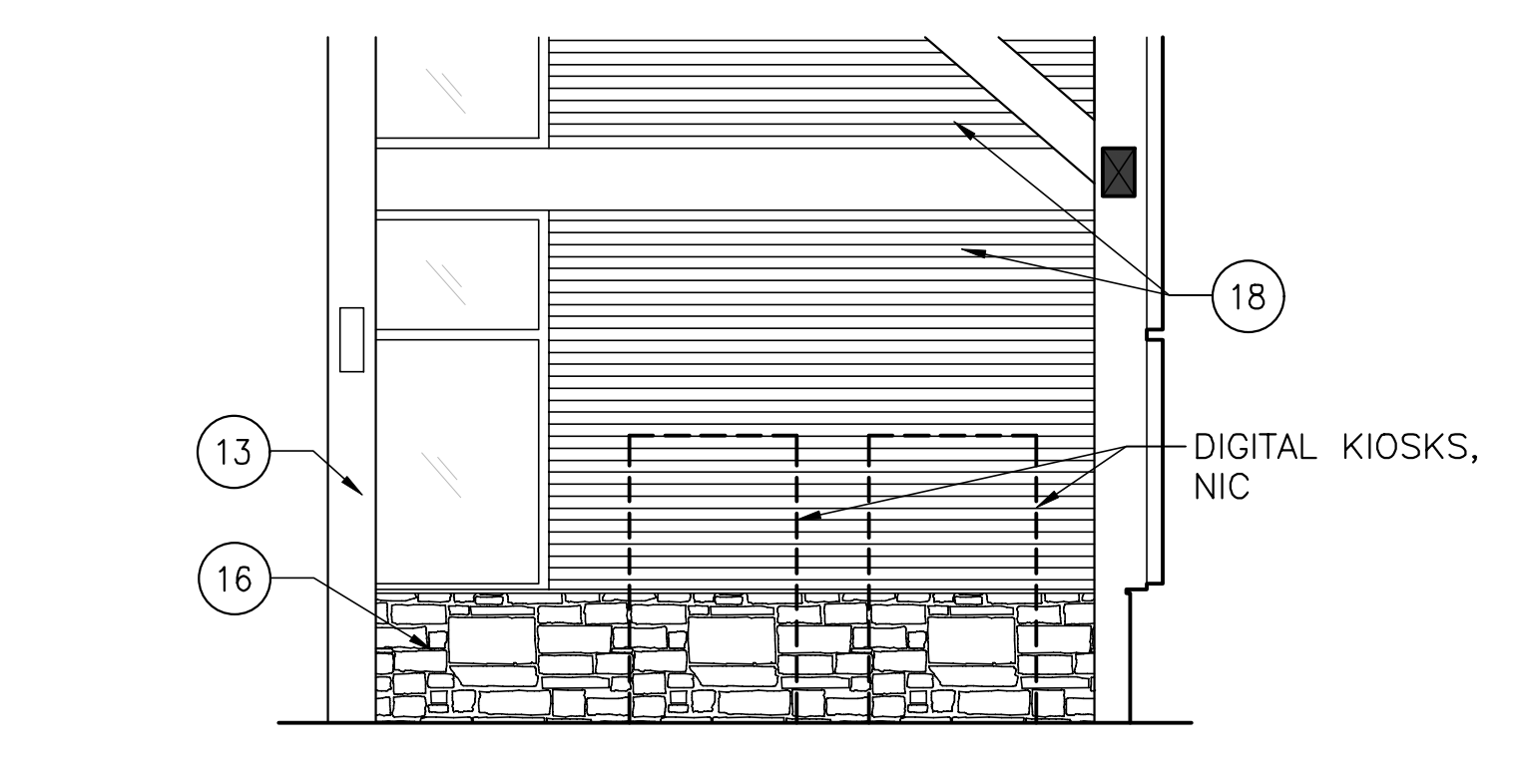


7 REGIONAL INFORMATION AREA (108)  
1/4"=1'-0"

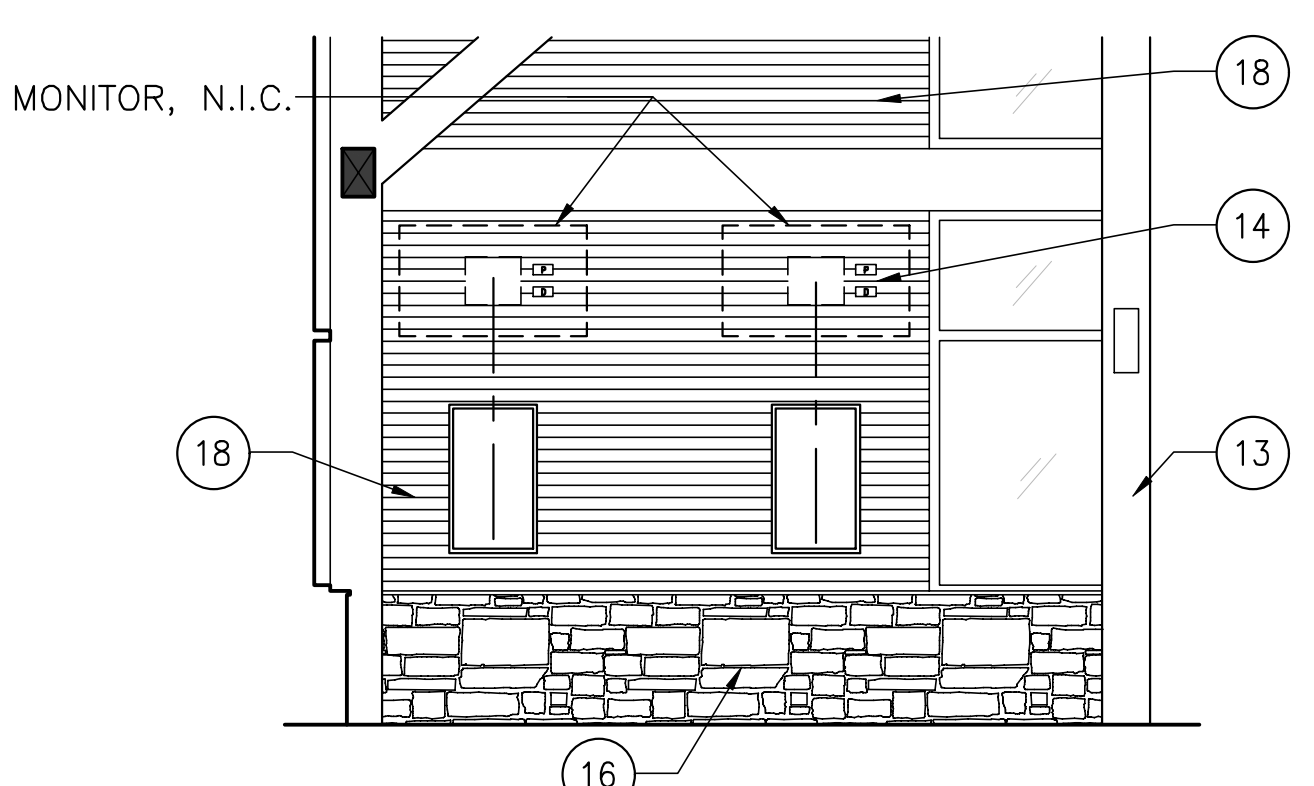
8 NOT USED  
1/4"=1'-0"

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

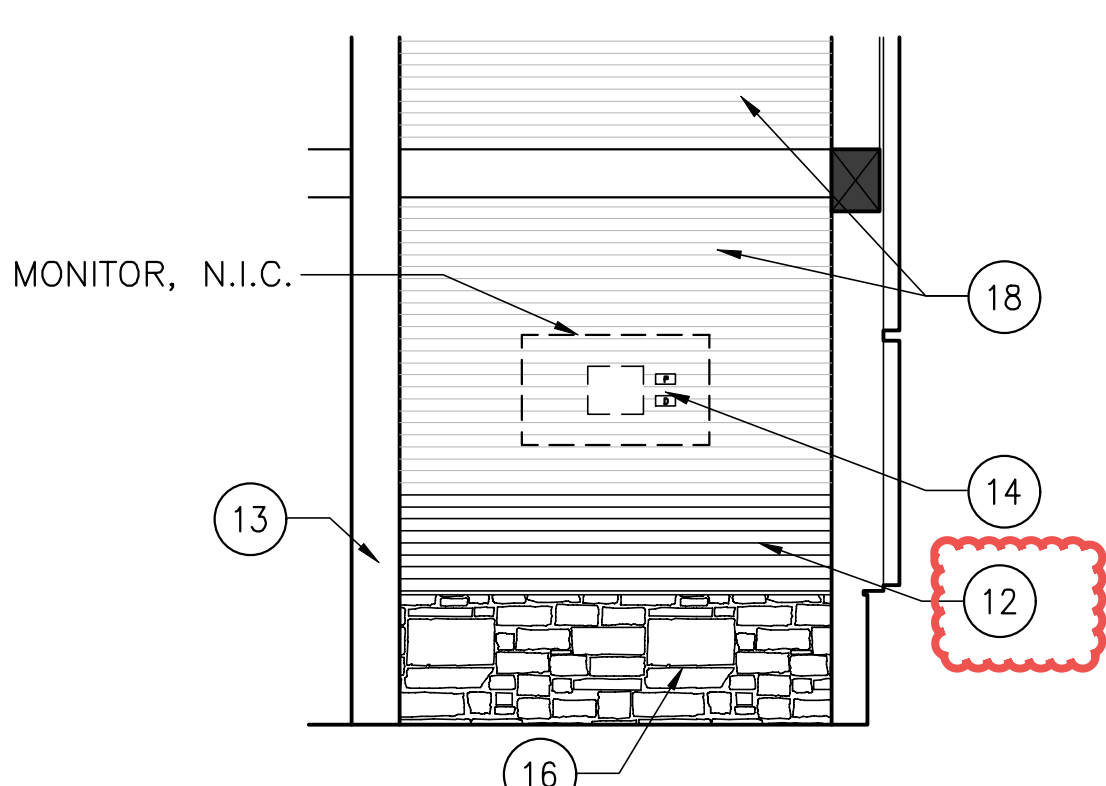
MAINE DEPARTMENT OF TRANSPORTATION  
ACADIA GATEWAY FACILITY  
INTERMODAL AND WELCOME CENTER  
ROOM ELEVATIONS VI



9 REGIONAL INFORMATION AREA (108)  
1/4"=1'-0"



10 OPEN AREA (107)  
1/4"=1'-0"



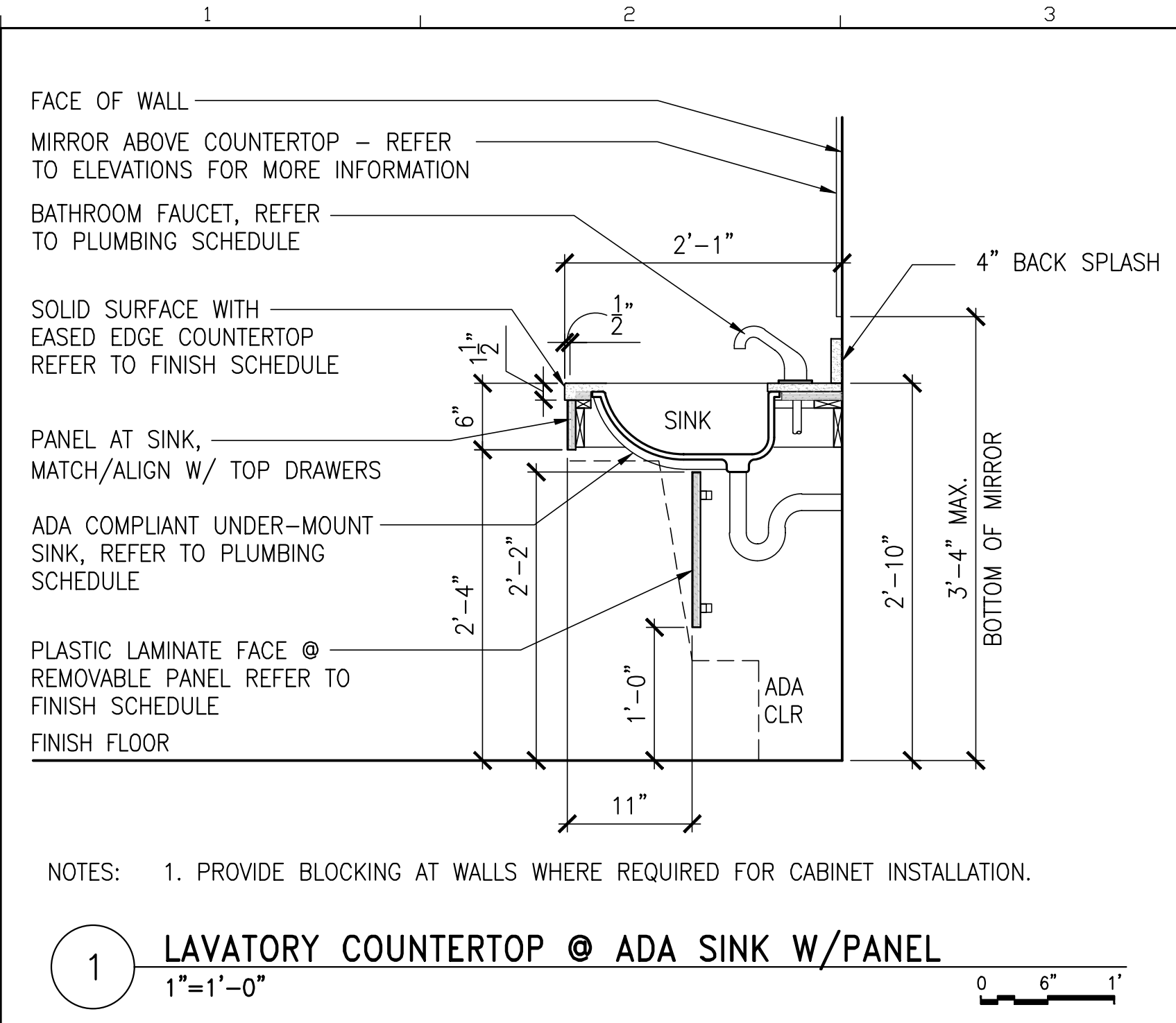
11 OPEN AREA (107)  
1/4"=1'-0"

**AMENDMENT #6 UPDATES:**  
- ADDED KEY NOTE 12 TO  
DRAWING 7 AND 11

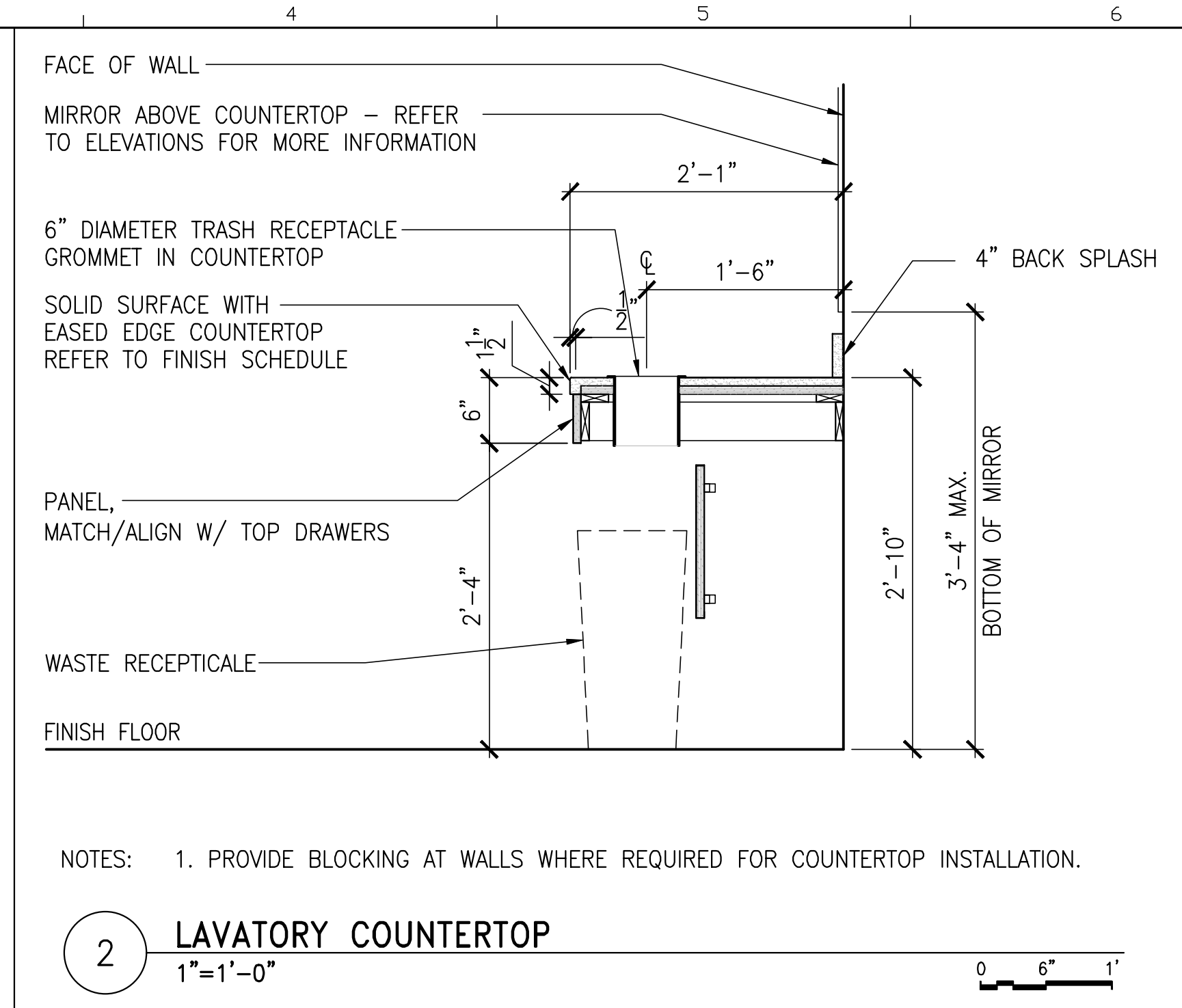
**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
617.723.1700  
www.aecom.com

SHEET NUMBER  
**A715**

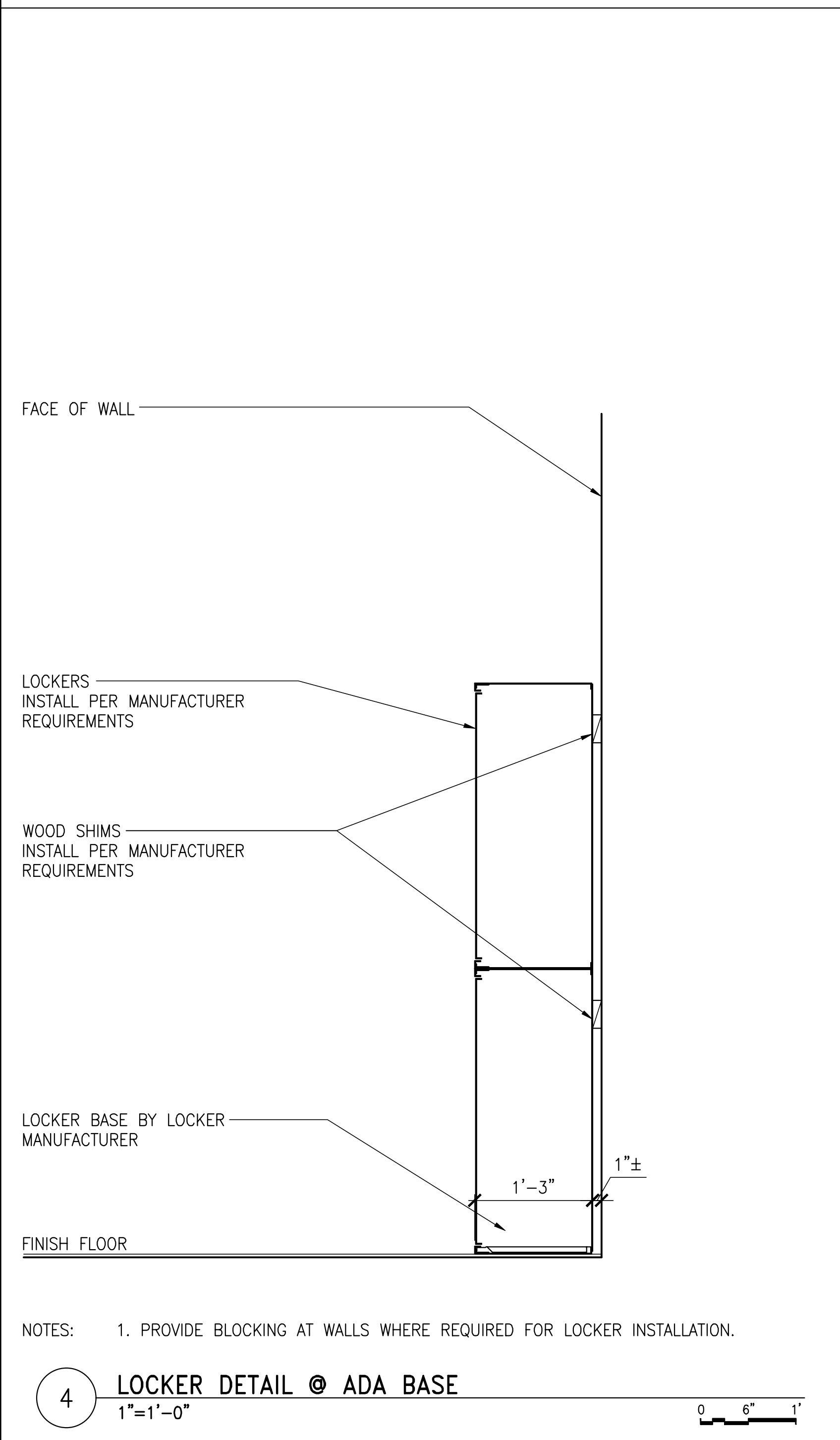
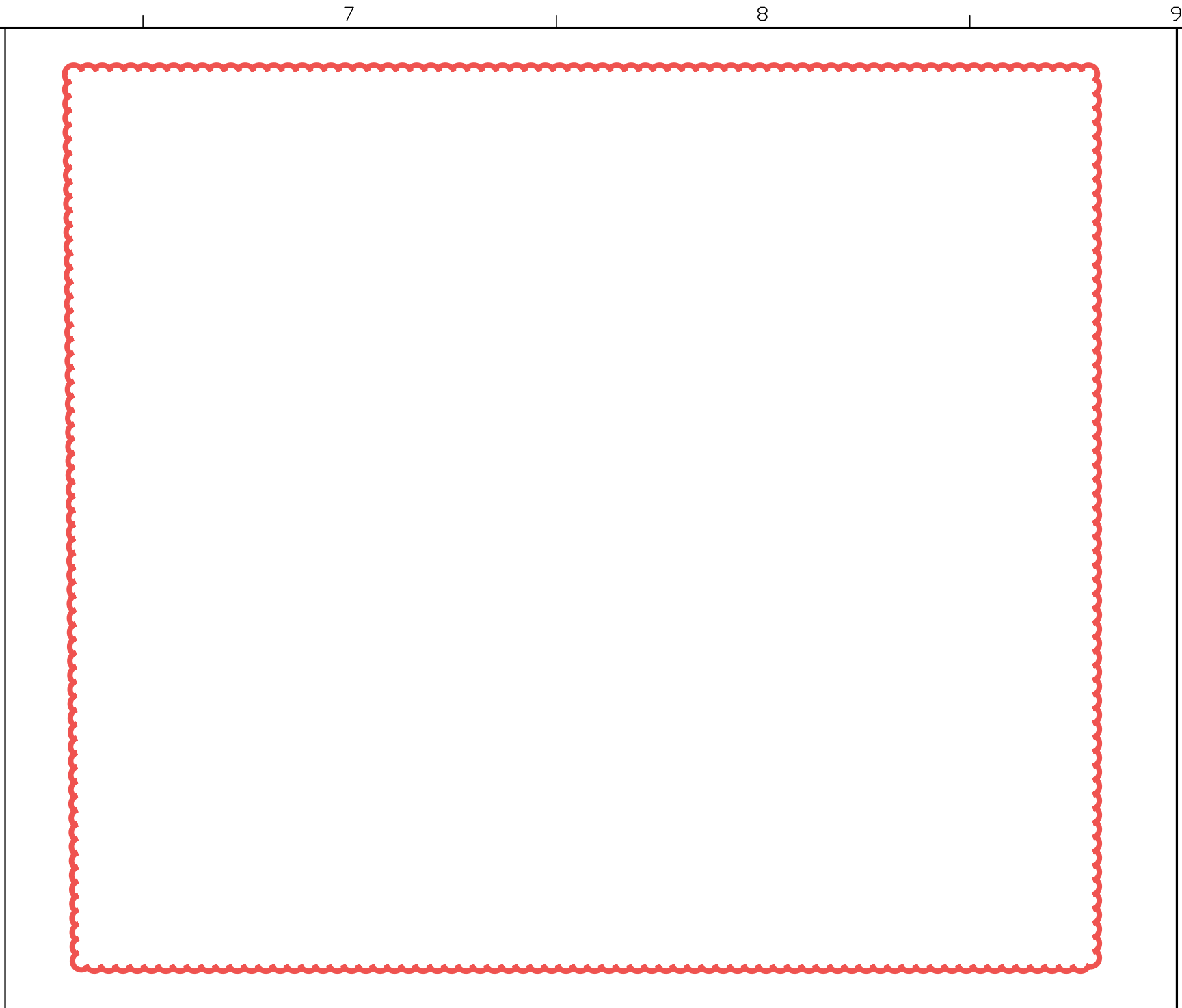
\\na.aecomnet.com\ifs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\_GIS\910\_CAD\Sheet\A721.dwg Jan 25, 2023 - 2:36pm



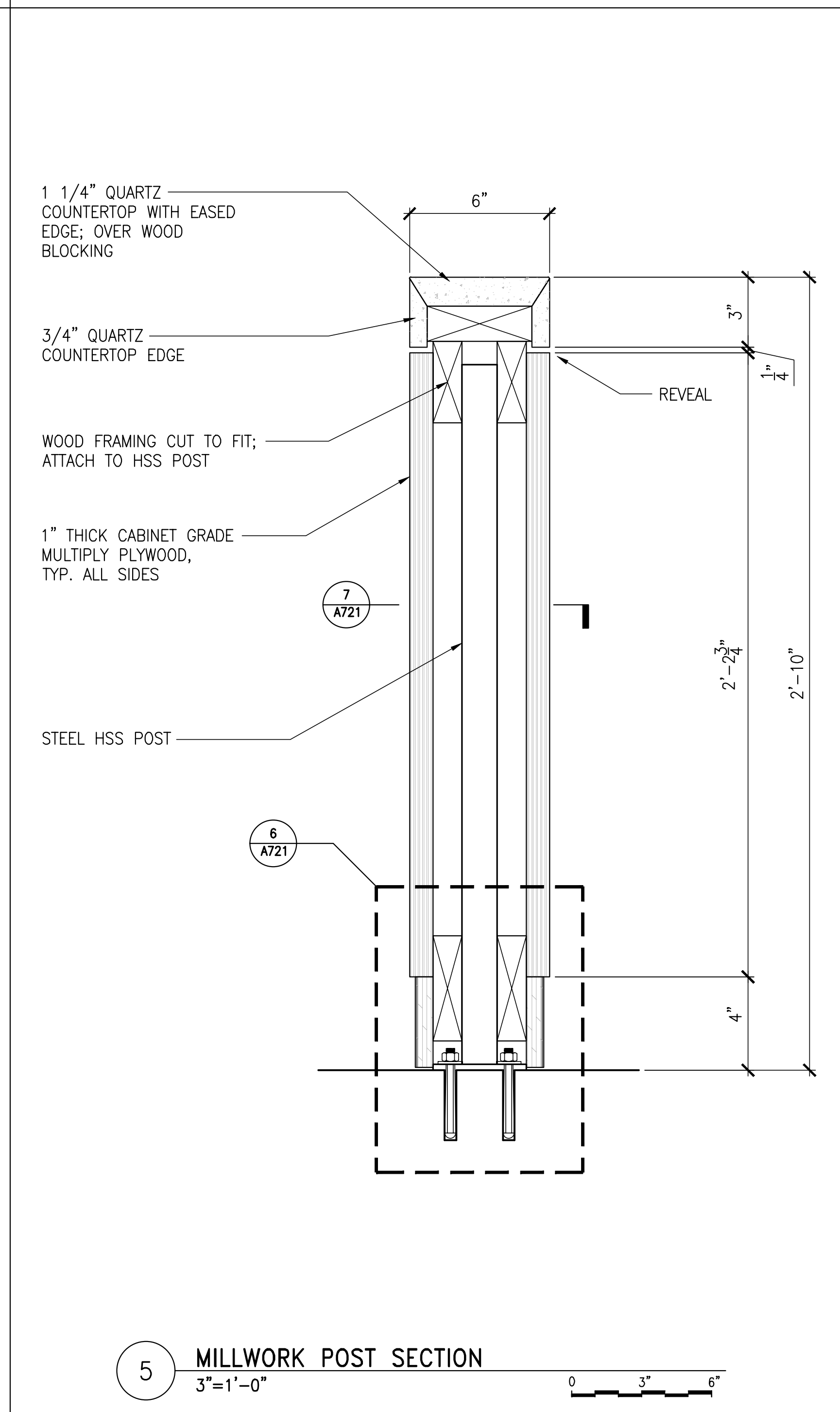
**1 LAVATORY COUNTERTOP @ ADA SINK W/PANEL**  
1"=1'-0"



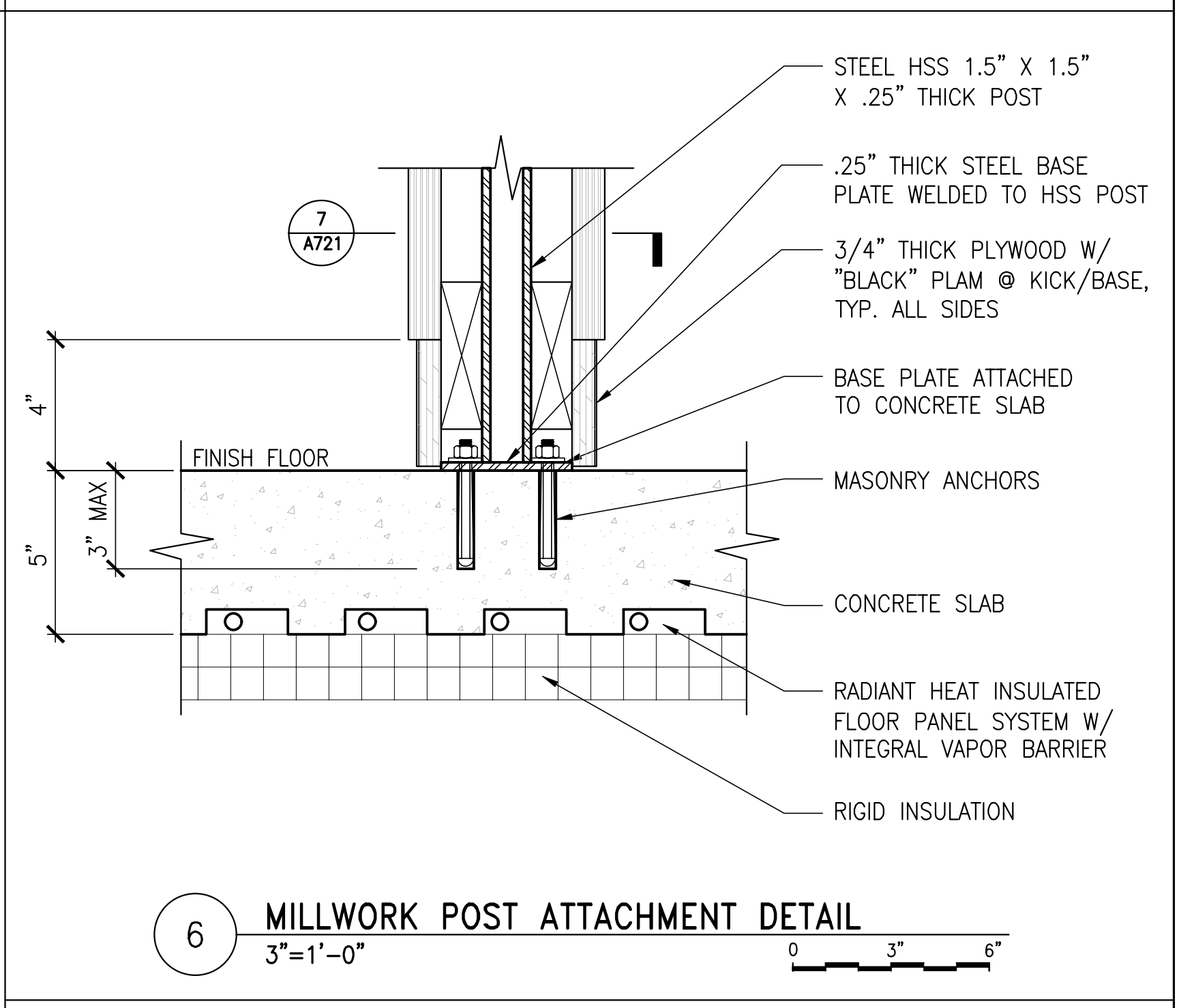
**2 LAVATORY COUNTERTOP**  
1"=1'-0"



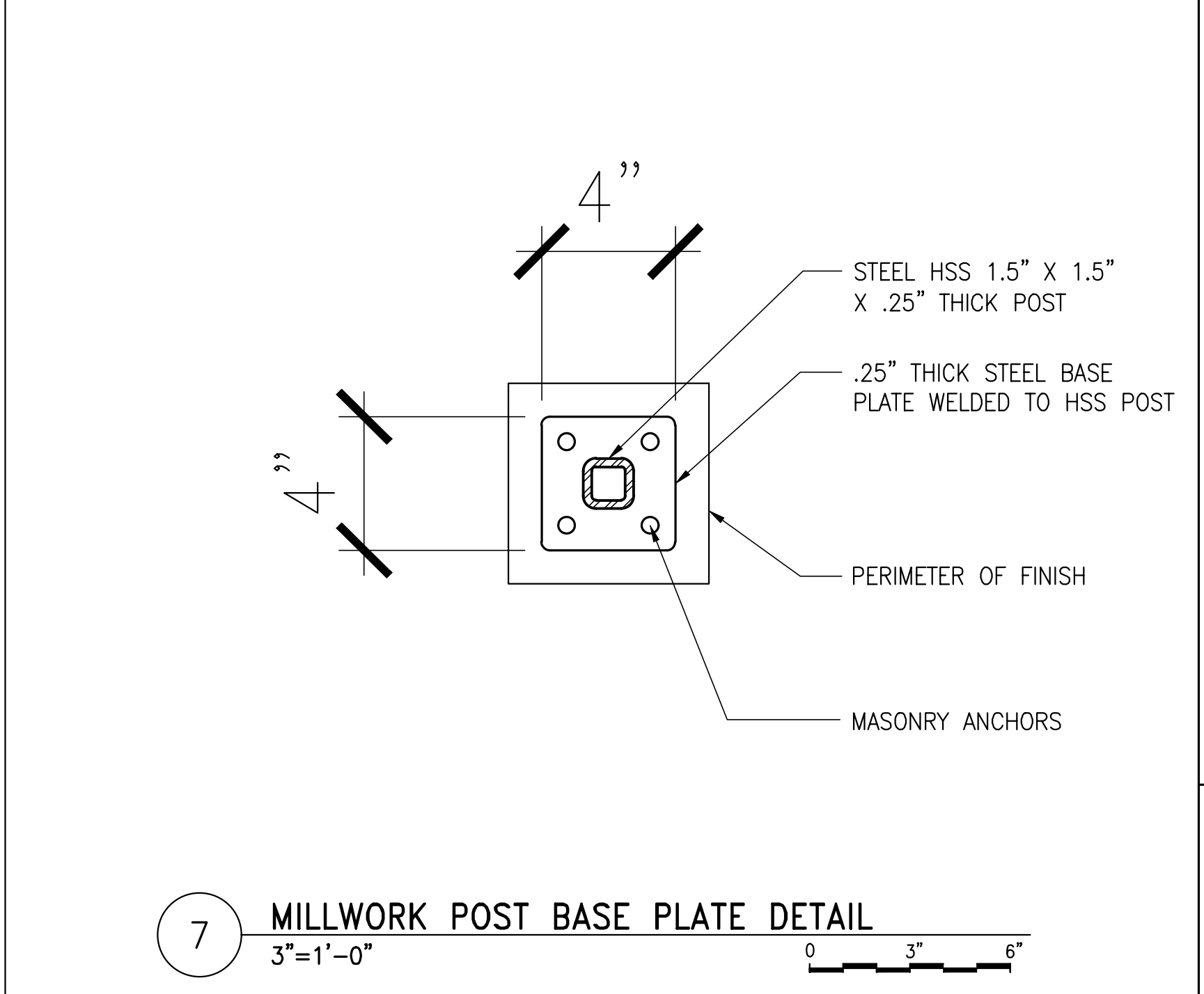
**4 LOCKER DETAIL @ ADA BASE**  
1"=1'-0"



**5 MILLWORK POST SECTION**  
3"=1'-0"



**6 MILLWORK POST ATTACHMENT DETAIL**  
3"=1'-0"



**7 MILLWORK POST BASE PLATE DETAIL**  
3"=1'-0"

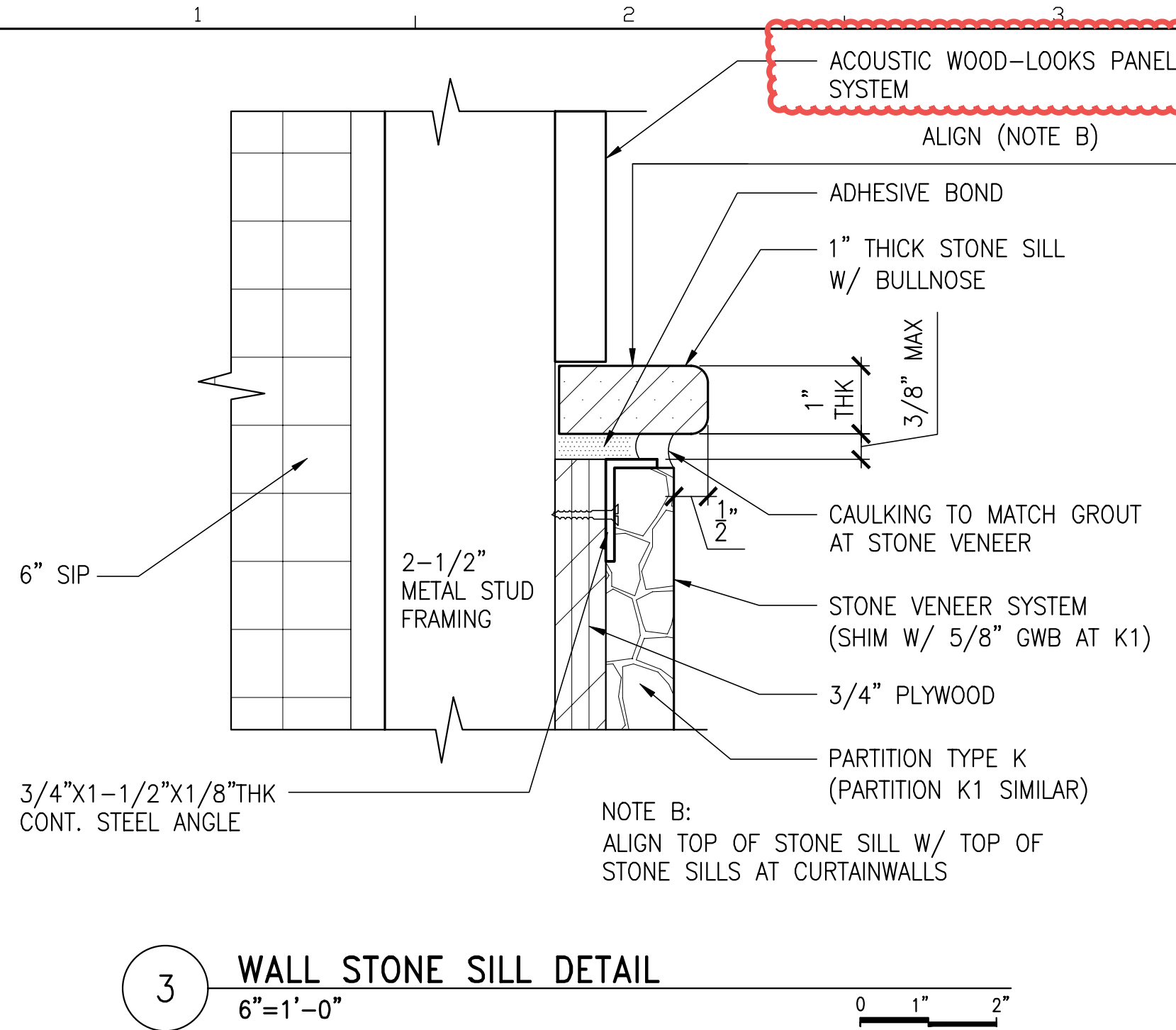
**AMENDMENT #6 UPDATES:  
- REMOVED DETAIL 3**

**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
617.723.1700  
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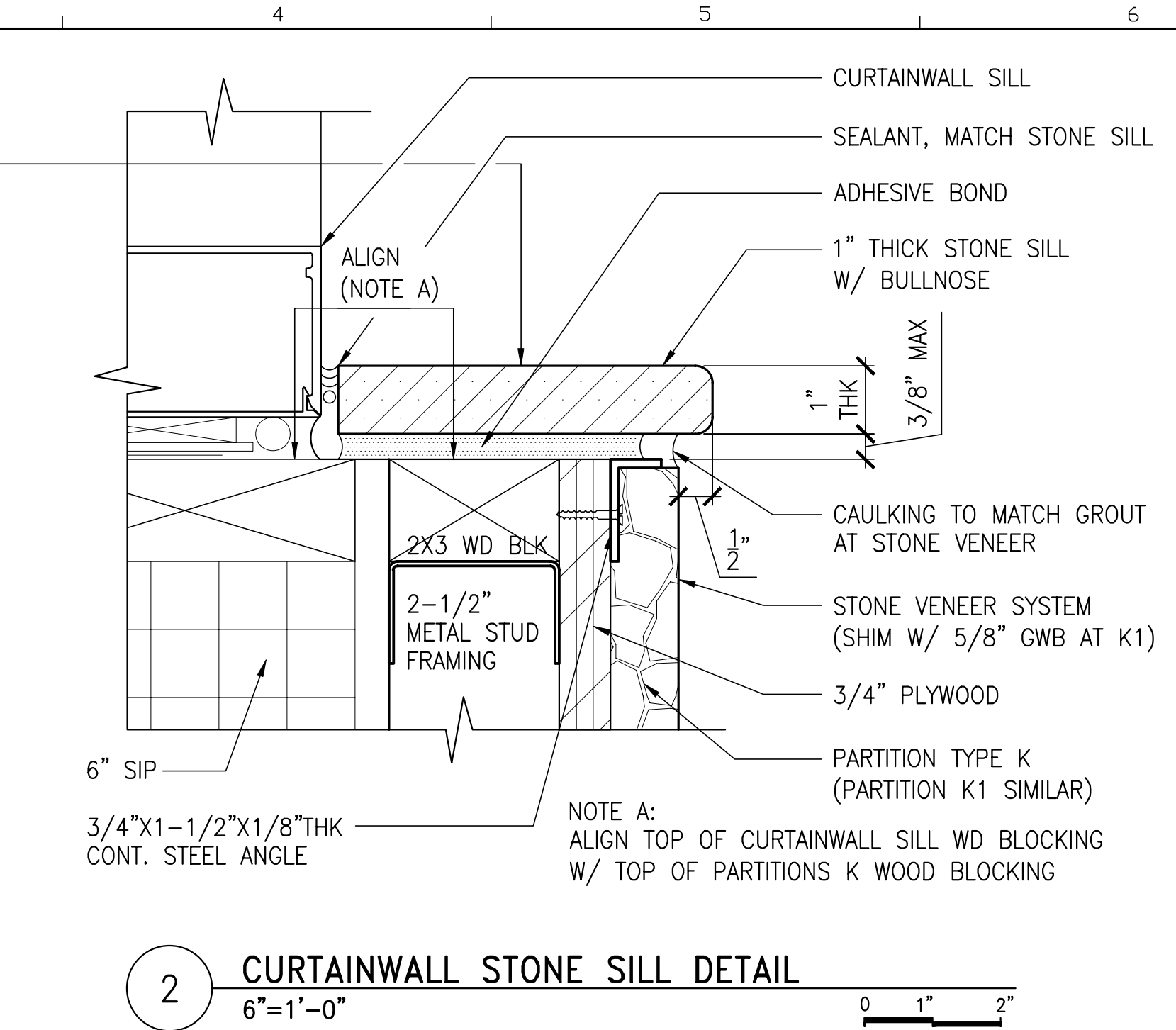
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
DATE		FED PIN NO: NA	
DATE		WIN NO: 017163.03	
PROJECT INFORMATION	PROGRAM	PROJECT MANAGER	ARCH. LIN. NUMBER
DESIGNER	AECOM	Kayla Wengler	ARC6292
CONSULTANT		SIGNATURE	DATE
PROJECT RESIDENT			JANUARY 17, 2022
CONTRACTOR			
PROJECT COMPLETION DATE			
MAINE DEPARTMENT OF TRANSPORTATION		MILLWORK II	
ACADIA GATEWAY FACILITY			
INTERMODAL AND WELCOME CENTER			
SHEET NUMBER		A721	



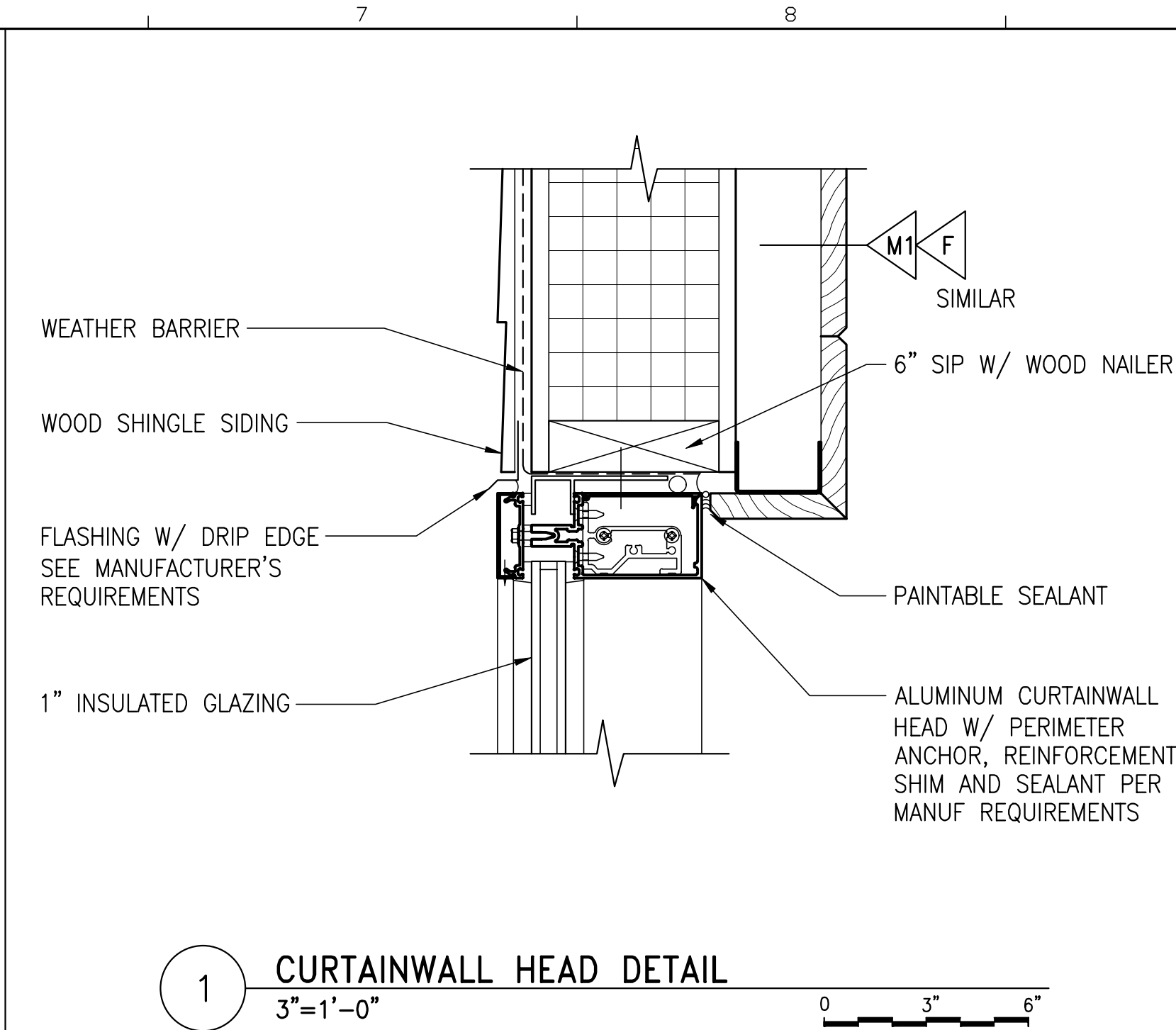
\\na.aecomnet.com\ifs\AMER\Boston-USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\_GIS\910\_CAD\Sheet\A816.dwg Jan 25, 2023 - 3:50pm



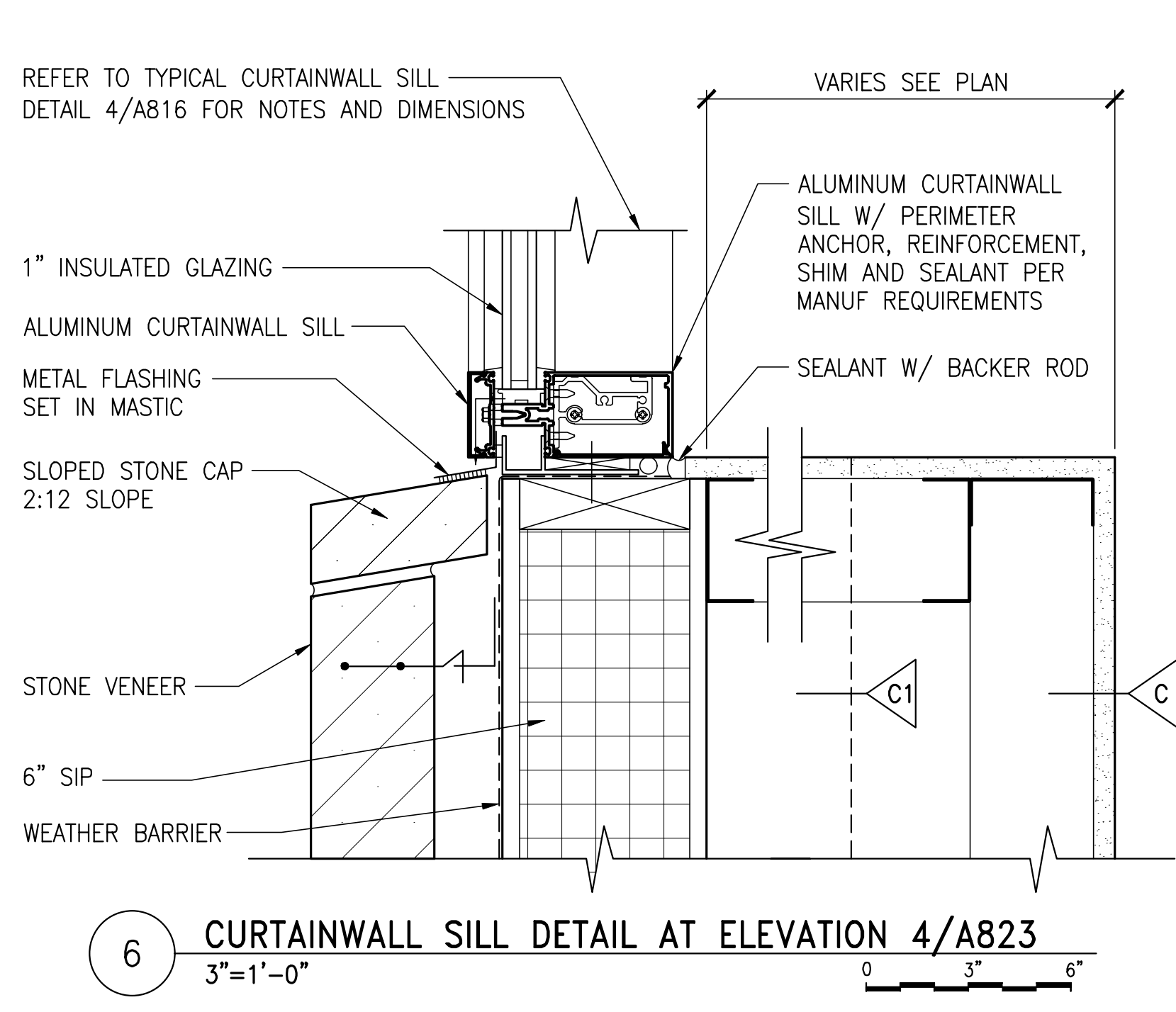
**3 WALL STONE SILL DETAIL**  
6"=1'-0" 0 1" 2"



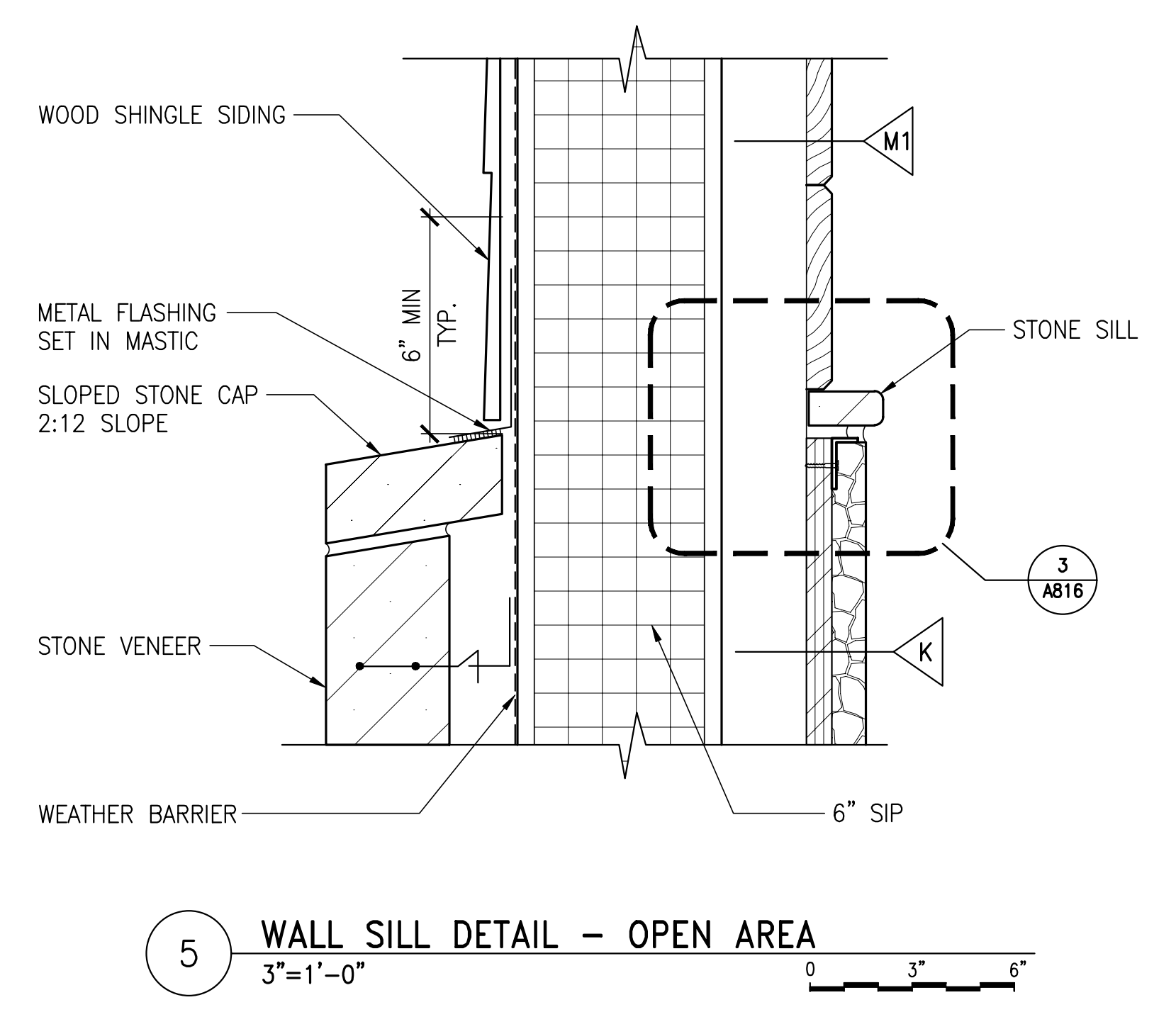
**2 CURTAINWALL STONE SILL DETAIL**  
6"=1'-0" 0 1" 2"



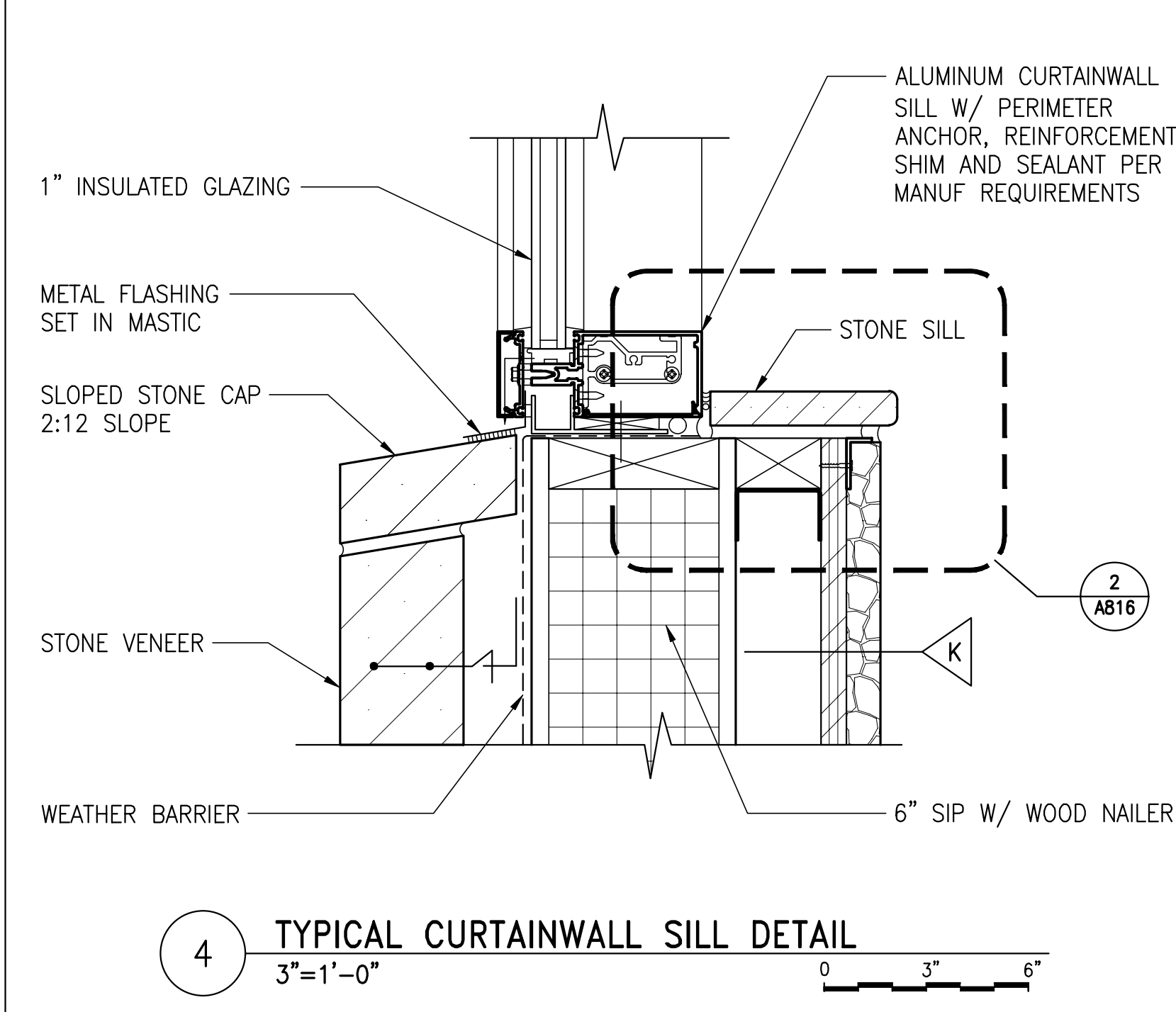
**1 CURTAINWALL HEAD DETAIL**  
3"=1'-0" 0 3" 6"



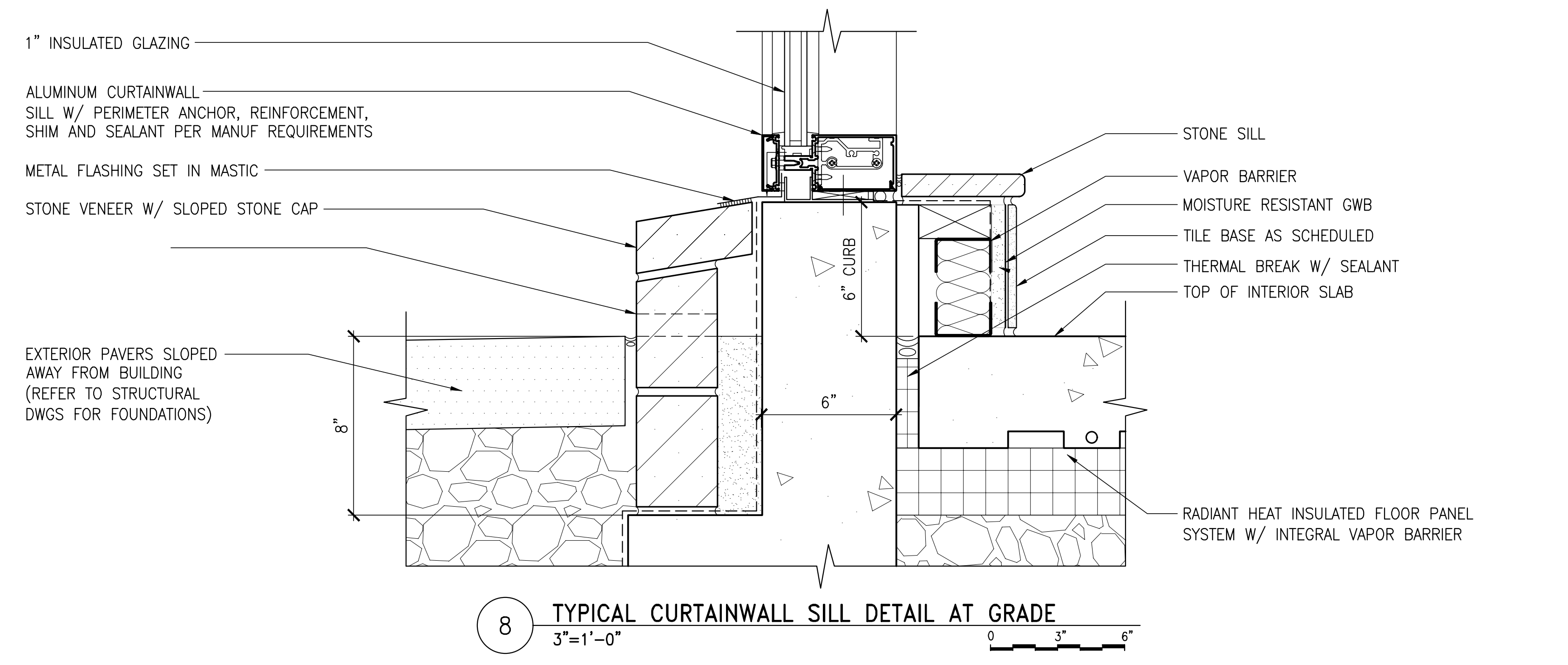
**6 CURTAINWALL SILL DETAIL AT ELEVATION 4/A823**  
3"=1'-0" 0 3" 6"



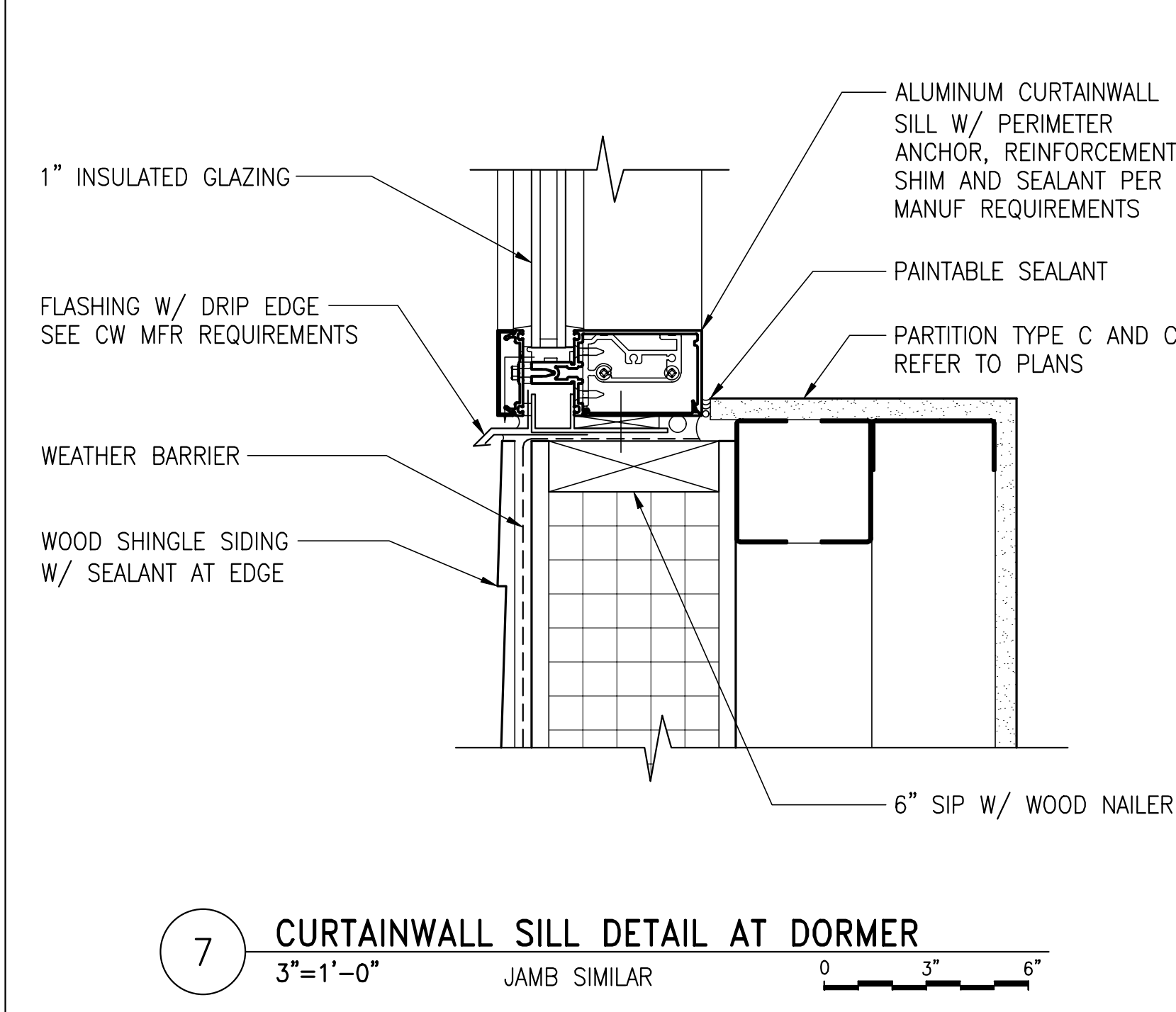
**5 WALL SILL DETAIL - OPEN AREA**  
3"=1'-0" 0 3" 6"



**4 TYPICAL CURTAINWALL SILL DETAIL**  
3"=1'-0" 0 3" 6"



**8 TYPICAL CURTAINWALL SILL DETAIL AT GRADE**  
3"=1'-0" 0 3" 6"

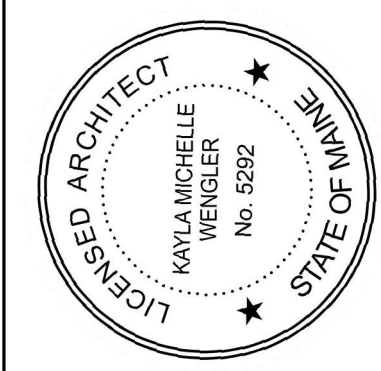


**7 CURTAINWALL SILL DETAIL AT DORMER**  
3"=1'-0" 0 3" 6"

**AMENDMENT #6 UPDATES:**  
- REVISED NOTE ON DWG 3

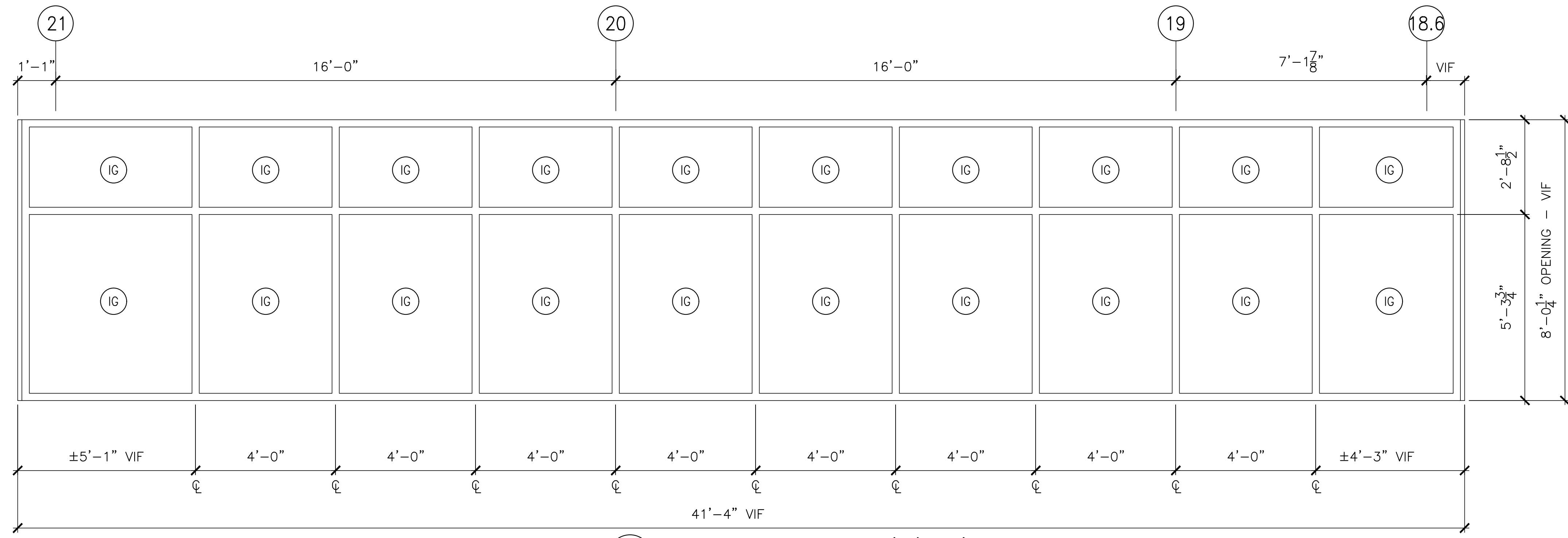
**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
617.723.1700  
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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
PROJECT INFORMATION		DATE	
PROGRAM	PROJECT MANAGER	FED PIN NO.	WIN NO.
DESIGNER	CONSULTANT	NA	017163.03
PROJECT RESIDENT	CONTRACTOR	ARCH. LIN. NUMBER	
PROJECT COMPLETION DATE		ARC6292	
MAINE DEPARTMENT OF TRANSPORTATION		DATE	
ACADIA GATEWAY FACILITY		JANUARY 17, 2022	
INTERMODAL AND WELCOME CENTER			
SECTION DETAILS I			
SHEET NUMBER		A816	

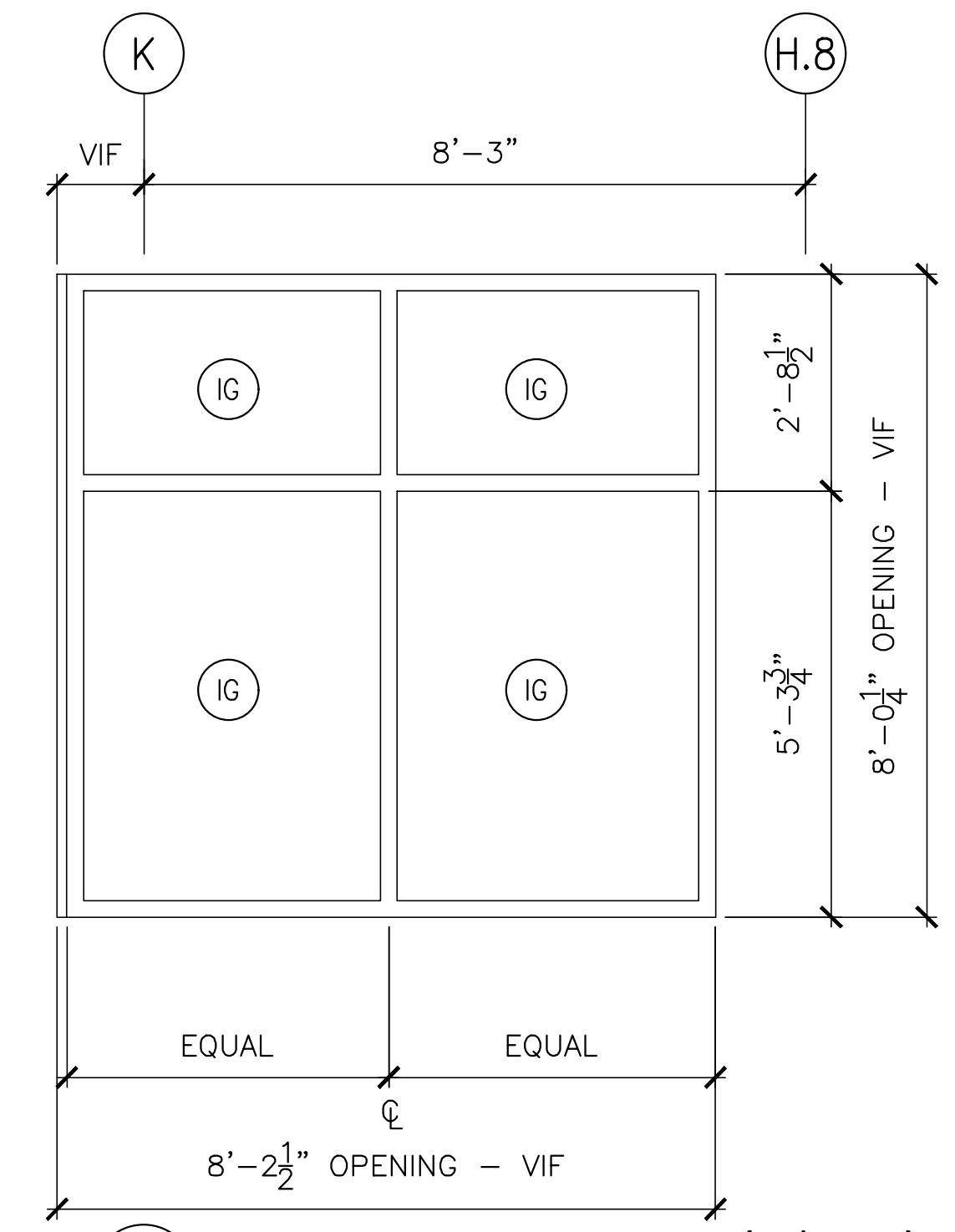


*Kayla Wengler*  
SIGNATURE  
ARCH. LIN. NUMBER  
ARC6292  
DATE  
JANUARY 17, 2022

\\na.aecomnet.com\ifs\AMER\Boston\USBOS01\DCS\Projects\TRN\60653001\_MaineDOT\_Acadia\_Gateway\900\_CAD\_GIS\910\_CAD\Sheet\A823.dwg Jan 25, 2023 - 3:05pm



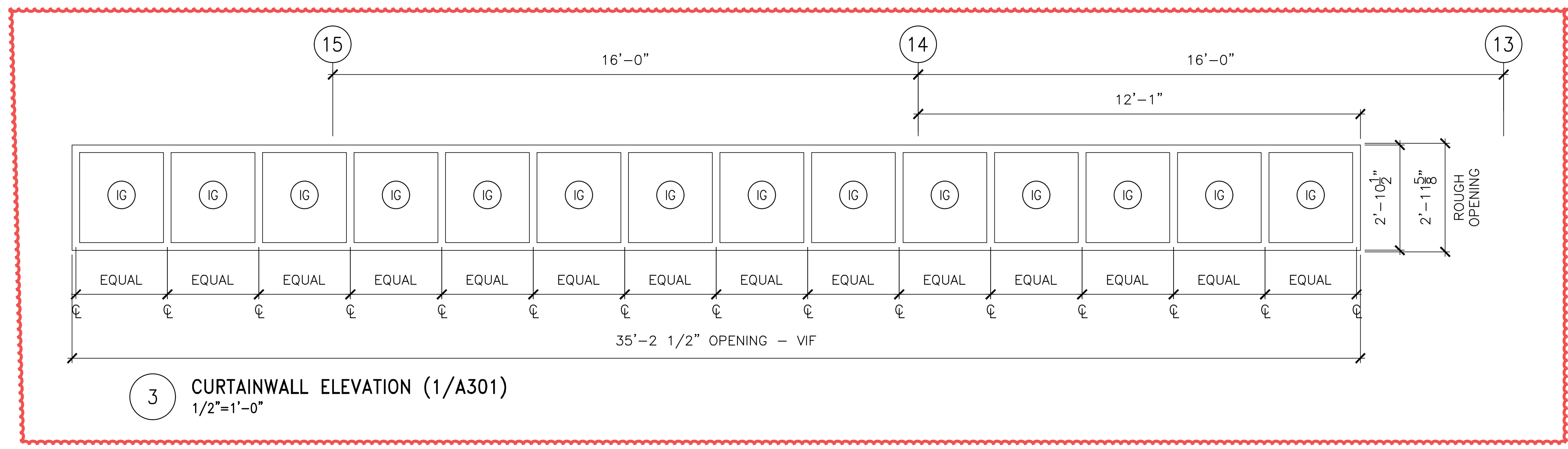
1 CURTAINWALL ELEVATION (1/A301)  
1/2"=1'-0"



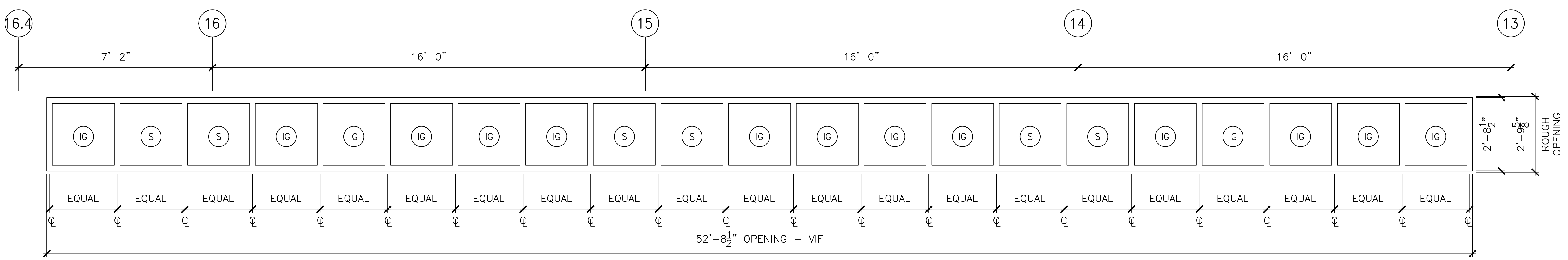
2 CURTAINWALL ELEVATION (1/A301)  
1/2"=1'-0"

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

- CURTAINWALL NOTES:**
- REFER TO SPECIFICATIONS FOR GLAZING THICKNESS.
  - REFER TO SPECIFICATIONS FOR GLAZING REQUIREMENTS PER CONDITION.
  - REFER TO CURTAINWALL MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS.



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



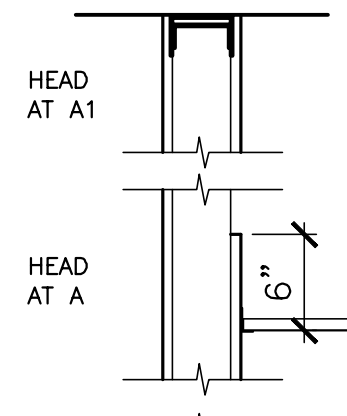
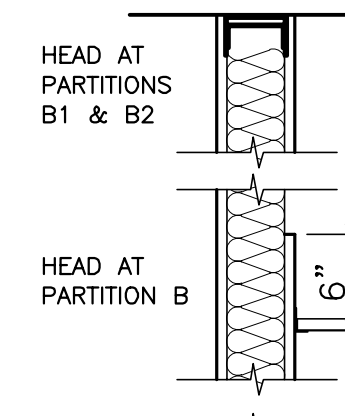
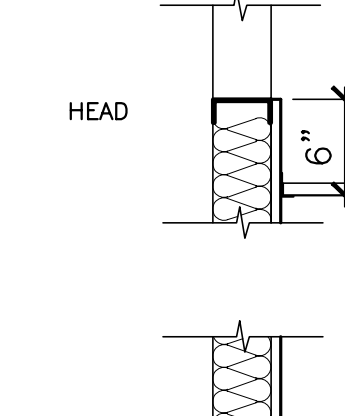
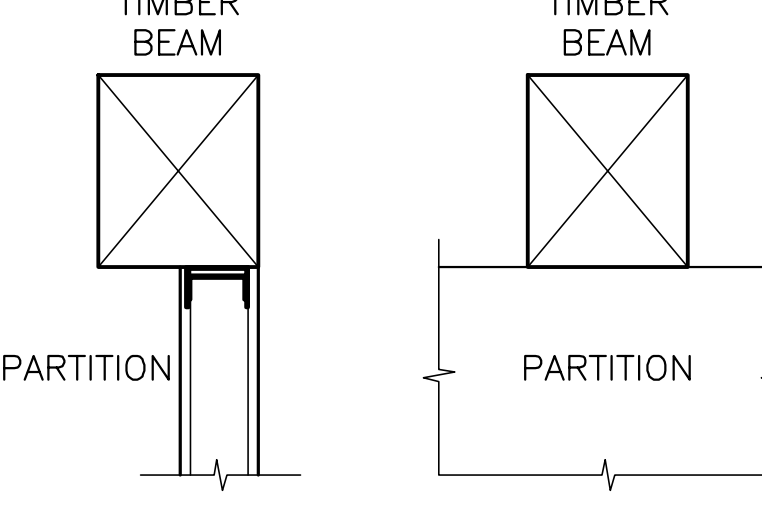

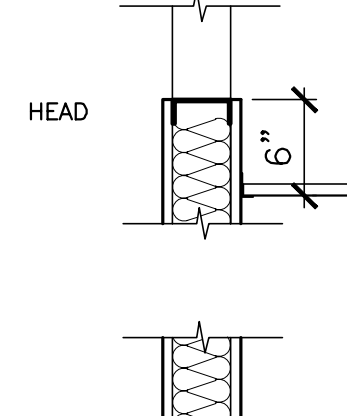
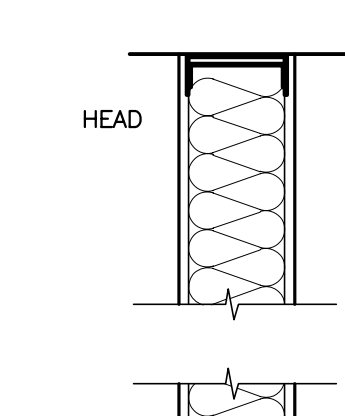
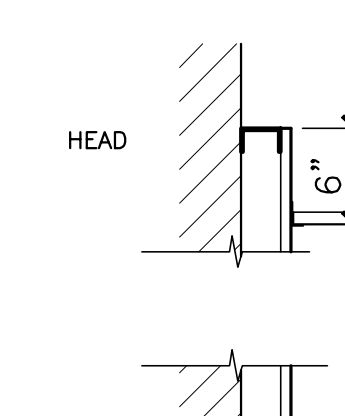
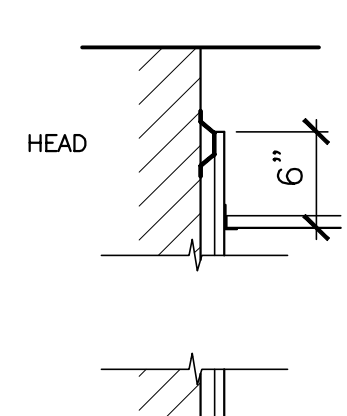
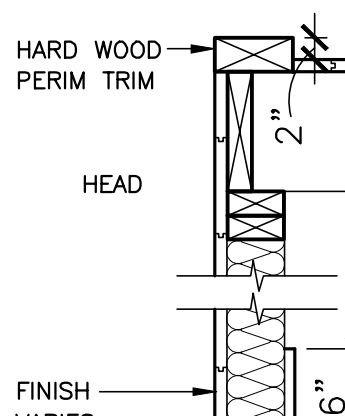
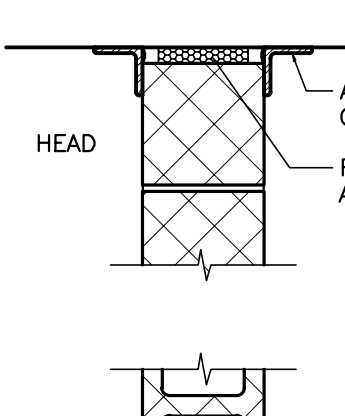
4 CURTAINWALL ELEVATION (1/A301)  
1/2"=1'-0"

**AMENDMENT #6 UPDATES:**  
- ADDED ELEVATION 3

**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
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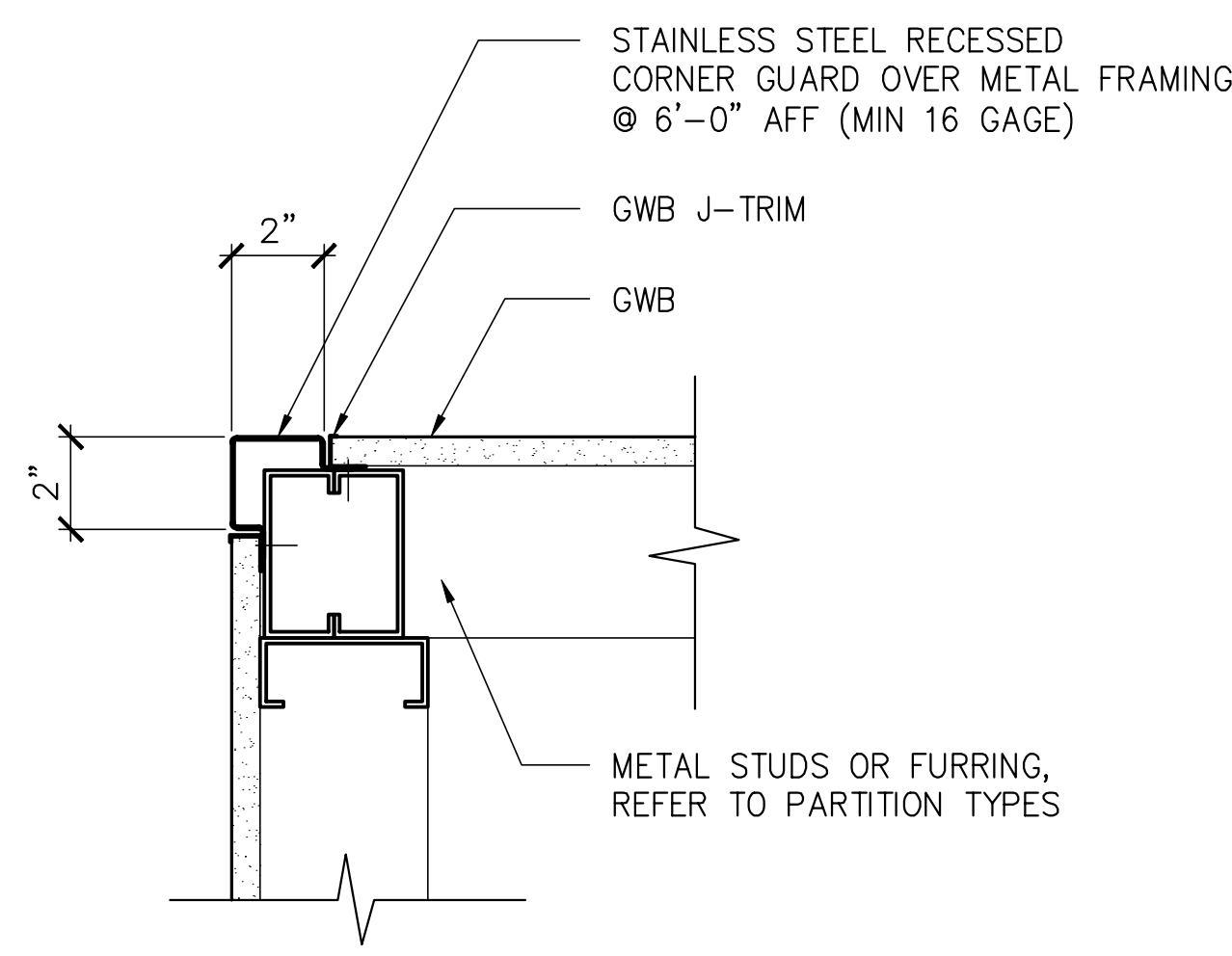
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE
		WIN NO: 017163.03
	ARCH. LIN. NUMBER ARC6292	DATE JANUARY 17, 2022
PROJECT INFORMATION	PROGRAM	PROJECT COMPLETION DATE
PROJECT MANAGER	DESIGNER	PROJECT RESIDENT
CONSULTANT	CONTRACTOR	PROJECT COMPLETION DATE
MAINE DEPARTMENT OF TRANSPORTATION <b>ACADIA GATEWAY FACILITY</b> INTERMODAL AND WELCOME CENTER <b>CURTAINWALL ELEVATIONS IV</b>		
SHEET NUMBER		A823

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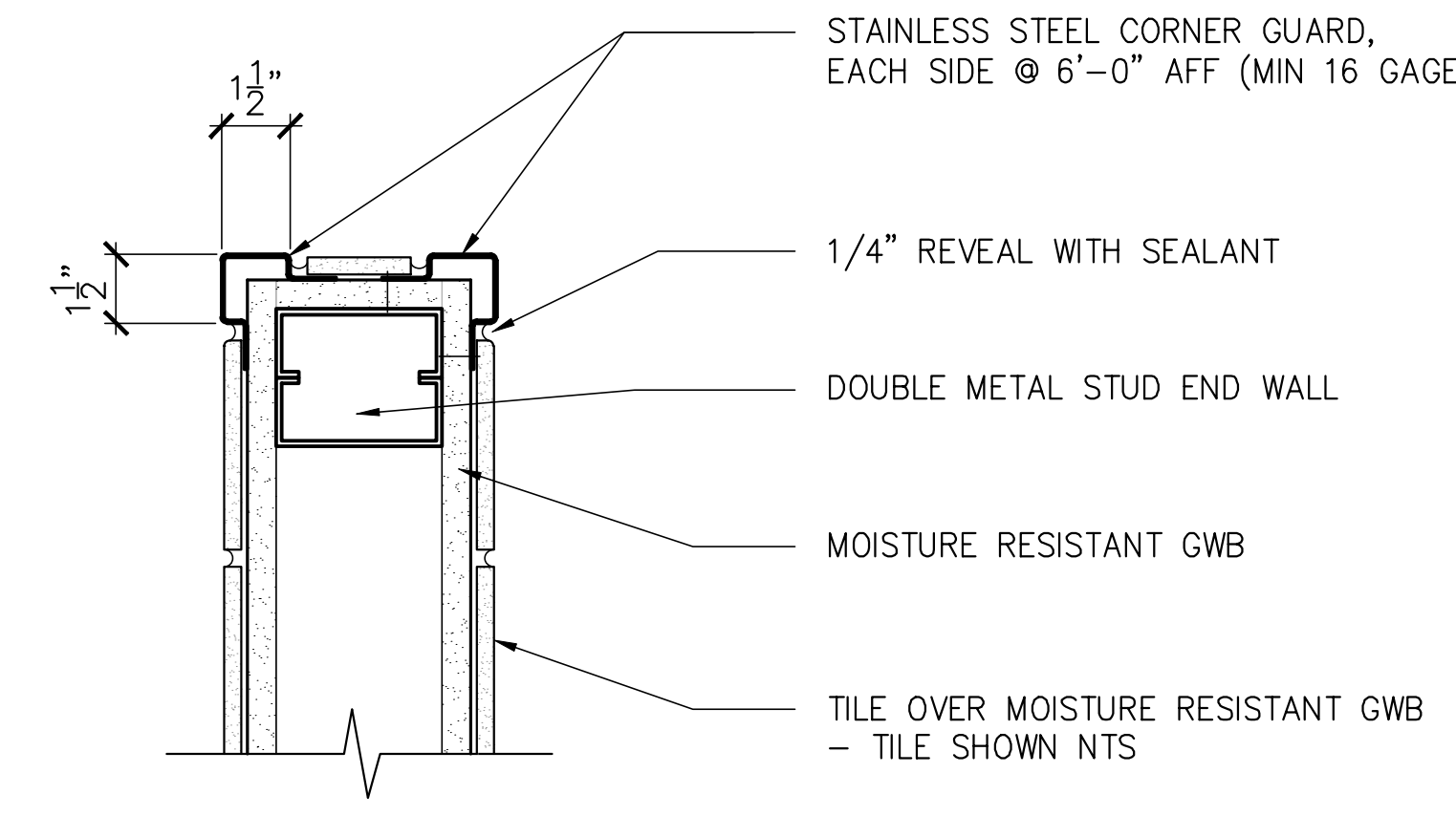
1		2		3		4		5		6		7		8		9		10							
 HEAD AT A1 HEAD AT A PLAN VIEW BASE		<b>DESCRIPTION</b> <b>A</b> GWB & METAL STUD PARTITION - 5/8" GYPSUM WALLBOARD, BOTH SIDES - 3-5/8" 20 GA METAL STUDS 16" OC - NOTE 2 <b>A1</b> 1 HR GWB & METAL STUD PARTITION - 5/8" TYPE 'X' GYPSUM WALL BOARD, BOTH SIDES - 3 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 <b>A2</b> 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 <b>REMARKS</b> UL NUMBER: U419		 HEAD AT PARTITIONS B1 & B2 HEAD AT PARTITION B PLAN VIEW BASE		<b>DESCRIPTION</b> <b>B</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 <b>B1</b> 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 <b>B2</b> 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 <b>B3</b> 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 UL NUMBER: U419		 HEAD PLAN VIEW BASE		<b>DESCRIPTION</b> <b>C</b> PLUMBING CHASE - 5/8" MOISTURE RESISTANT GWB - 3-5/8" 20 GA METAL STUDS 16" OC - NOTE 2 - HORIZONTAL BRACING 8'-0" OC VERTICAL <b>C1</b> 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 <b>C2</b> CHASE - 5/8" GYPSUM WALLBOARD - 3-5/8" 20 GA METAL STUDS 16" OC - NOTE 2 - HORIZONTAL BRACING 8'-0" OC VERTICAL		<b>PARTITION NOTES</b>  <b>GENERAL PARTITION TYPES DIAGRAM</b> 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.		<b>STATE OF MAINE</b> <b>DEPARTMENT OF TRANSPORTATION</b> DATE FED PIN NO: NA WIN NO: 017163.03  LICENSED ARCHITECT KAYLA WENGLER No. 6292 STATE OF MAINE											
<b>PARTITION TYPE</b> <b>A</b> <b>A1</b> <b>A2</b>		<b>PARTITION TYPE</b> <b>B</b> <b>B1</b> <b>B2</b> <b>B3</b>		<b>PARTITION TYPE</b> <b>C</b> <b>C1</b> <b>C2</b>		<b>PARTITION TYPE</b> <b>D</b> <b>D1</b>		<b>PARTITION TYPE</b> <b>E</b> <b>E1</b>		<b>PARTITION TYPE</b> <b>F</b> <b>F1</b>		<b>PARTITION TYPE</b> <b>G</b> <b>G1</b> <b>G2</b>		<b>PARTITION TYPE</b> <b>H</b> <b>H1</b>		<b>PARTITION TYPE</b> <b>J</b> <b>J1</b> <b>J2</b>		<b>PROJECT INFORMATION</b> PROGRAM PROJECT MANAGER DESIGNER CONSULTANT PROJECT RESIDENT CONTRACTOR PROJECT COMPLETION DATE		<b>ARCH. LIN. NUMBER</b> ARCH. LIN. NUMBER DATE SIGNATURE ARCH. LIN. NUMBER DATE					
 HEAD PLAN VIEW BASE		<b>DESCRIPTION</b> <b>D</b> 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 <b>D1</b> 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		 HEAD PLAN VIEW BASE		<b>DESCRIPTION</b> <b>E</b> 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 <b>REMARKS</b> EXTRA TALL PARTITION UL NUMBER: U419		 HEAD PLAN VIEW BASE		<b>DESCRIPTION</b> <b>F</b> 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 <b>F1</b> 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 <b>REMARKS</b> - SEE NOTE 2 FOR ALL TYPE F PARTITION TYPES - ADD BATT INSULATION WHEN BACK-UP WALL IS AN EXTERIOR WALL		 HEAD PLAN VIEW BASE		<b>DESCRIPTION</b> <b>G</b> FURRED INTERIOR WALL - BACK-UP WALL - 7/8" METAL FURRING 16" OC - 5/8" GYPSUM WALLBOARD - 4" HIGH FR WOOD FURRING AT BASE <b>G1</b> 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 <b>G2</b> GWB INTERIOR SHEATHING - BACK-UP WALL - 5/8" TYPE 'X' GYPSUM WALLBOARD		 HARD WOOD PERIM TRIM HEAD FINISH VARIES PLAN VIEW BASE		<b>DESCRIPTION</b> <b>H</b> 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 & GROOVE DECK SYSTEM REFER TO FINISH FLOOR PLAN A613 - HARD WOOD PERIMETER TRIM, MATCH TIMBER WOOD COLOR, TEXTURE AND STAIN <b>H1</b> WOOD STUD PARTITION - SAME AS PARTITION H EXCEPT THE FOLLOWING - 2X4 WOOD FRAMING (REFER TO STRUCTURAL) - REPLACE 5/8" GWB W/ ACOUSTIC WOOD-LOOKS PANEL 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		 HEAD PLAN VIEW BASE		<b>DESCRIPTION</b> <b>J</b> CMU PARTITION - 8" CONCRETE MASONRY UNITS - GALV. STL ANGLE CLIPS @ 48"O.C., BOTH SIDES <b>J1</b> 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 <b>J2</b> 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 <b>REMARKS</b> REFER TO, AND COORDINATE WITH STRUCTURAL DRAWINGS SPECIFICATIONS FOR REINFORCING AND SEISMIC INFORMATION.		<b>MAINE DEPARTMENT OF TRANSPORTATION</b> <b>ACADIA GATEWAY FACILITY</b> <b>INTERMODAL AND WELCOME CENTER</b> <b>PARTITION TYPES I</b> <b>SHEET NUMBER</b> <b>A830</b> <b>AECOM</b> 1 FEDERAL STREET, 8TH FLOOR BOSTON, MA 02110 617.723.1700 www.aecom.com	

**AMENDMENT #6 UPDATES:**  
**- REVISED PARTITION H1**

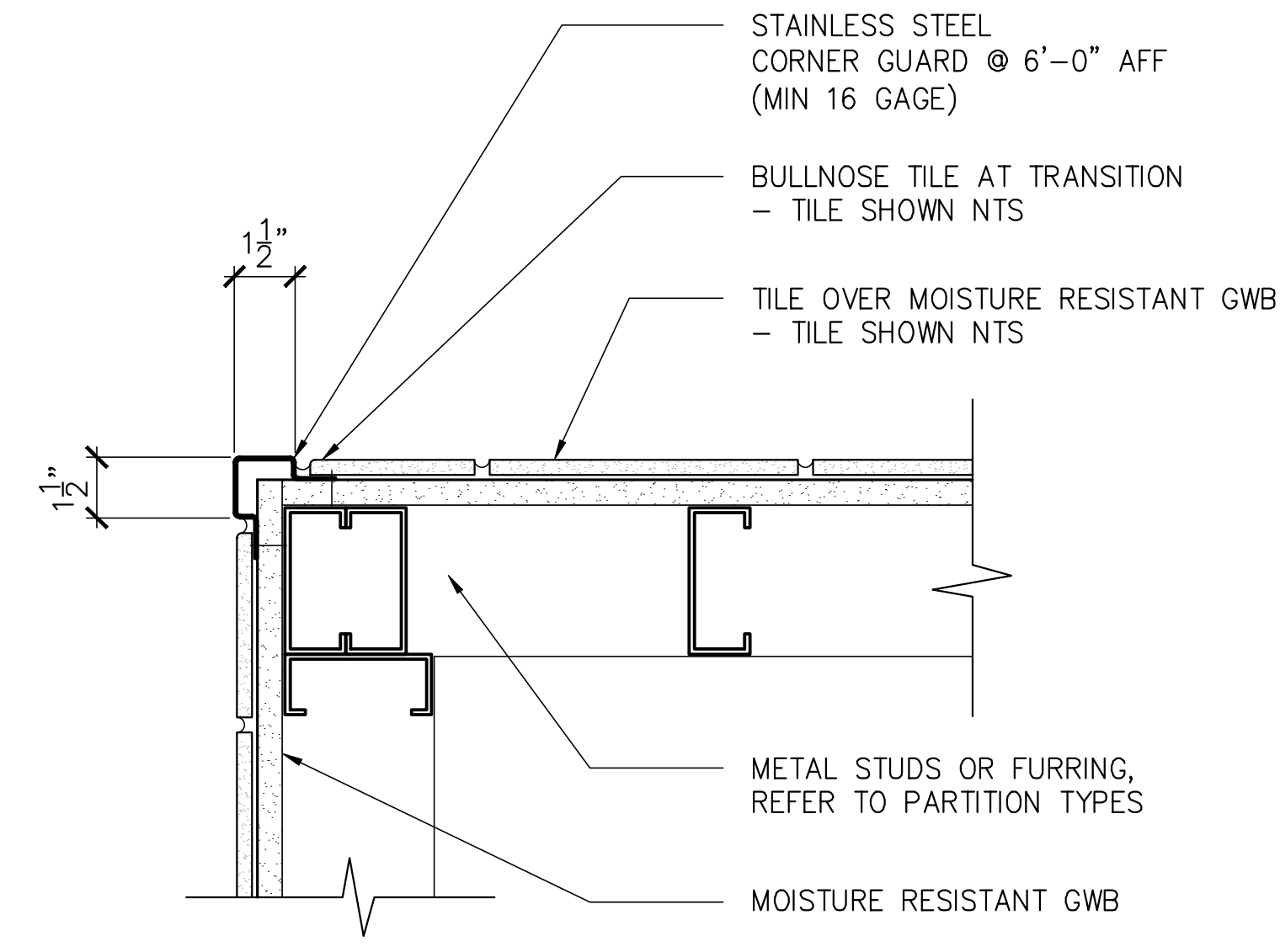
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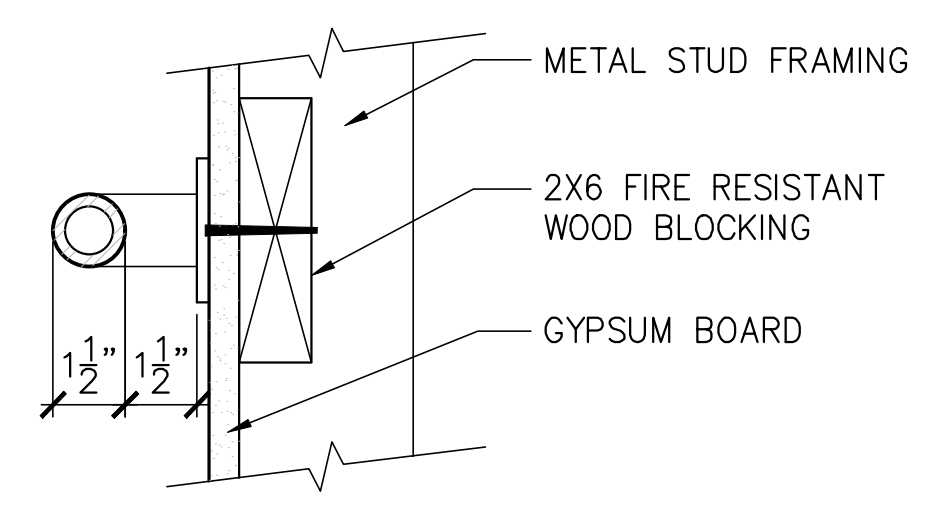
**3 PLAN DETAIL AT CORNER GUARD TYPE 1**  
SCALE: 3" = 1'-0"



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



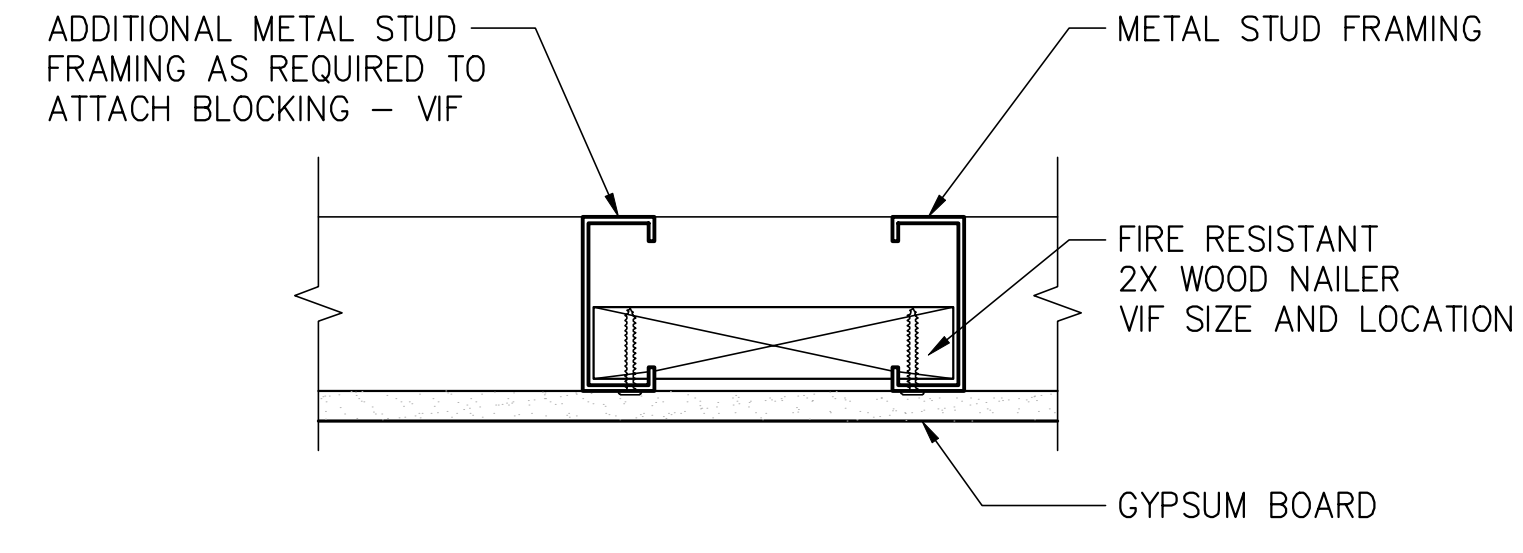
**1 PLAN DETAIL AT TILE CORNER GUARD**  
SCALE: 3" = 1'-0"



**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**  
SCALE: 3" = 1'-0"



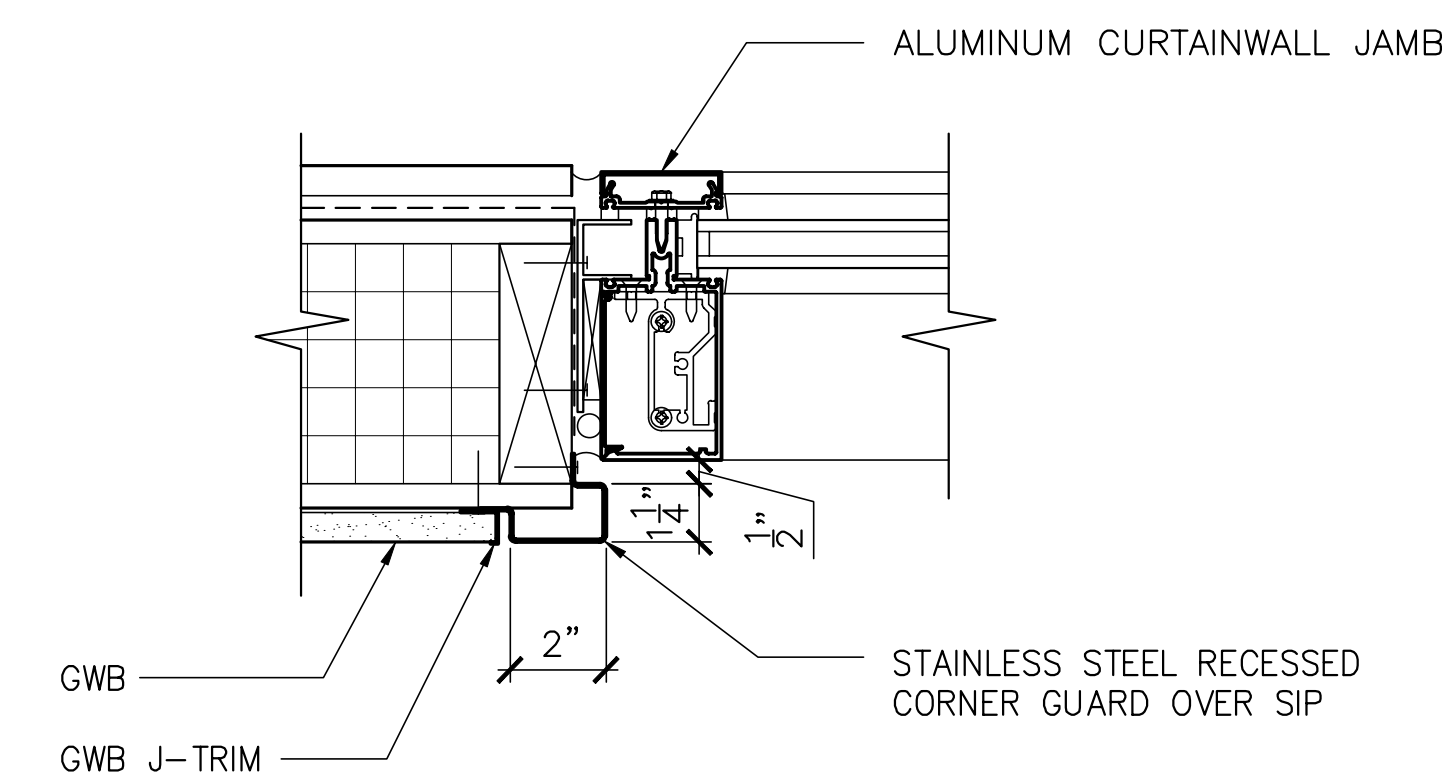
**BACKING NOTES:**

**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.

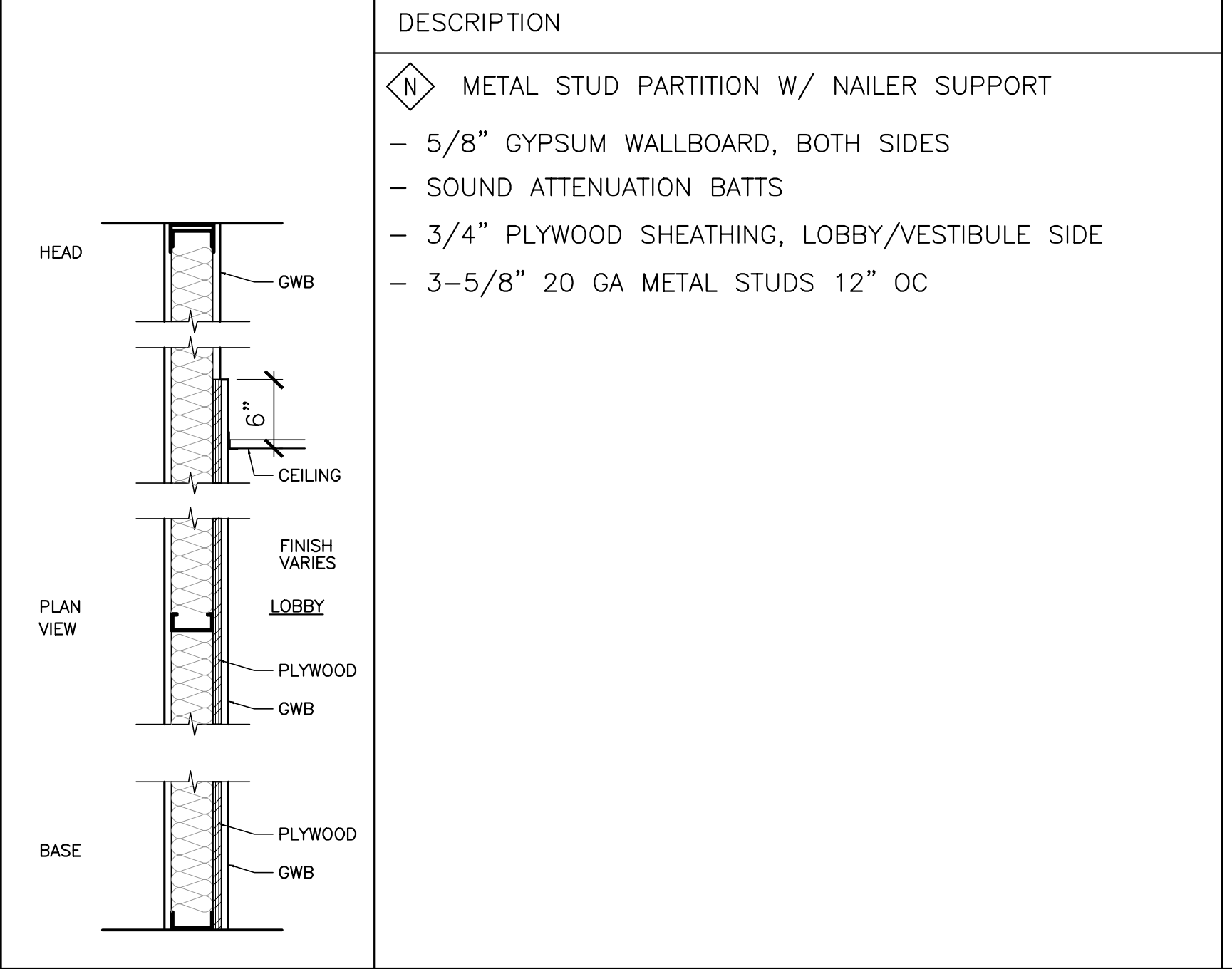
**BACKING FOR TOILET PARTITIONS AND ACCESSORIES:** PROVIDE 2X BLOCKING INSIDE PARTITIONS AS REQUIRED FOR ATTACHMENT OF ALL WALL HUNG ITEMS. SEE TYPICAL MOUNTING HEIGHTS SHEET A004 AND ROOM ELEVATION SHEETS.

ALL WOOD SHALL BE FIRE RESISTANT.

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



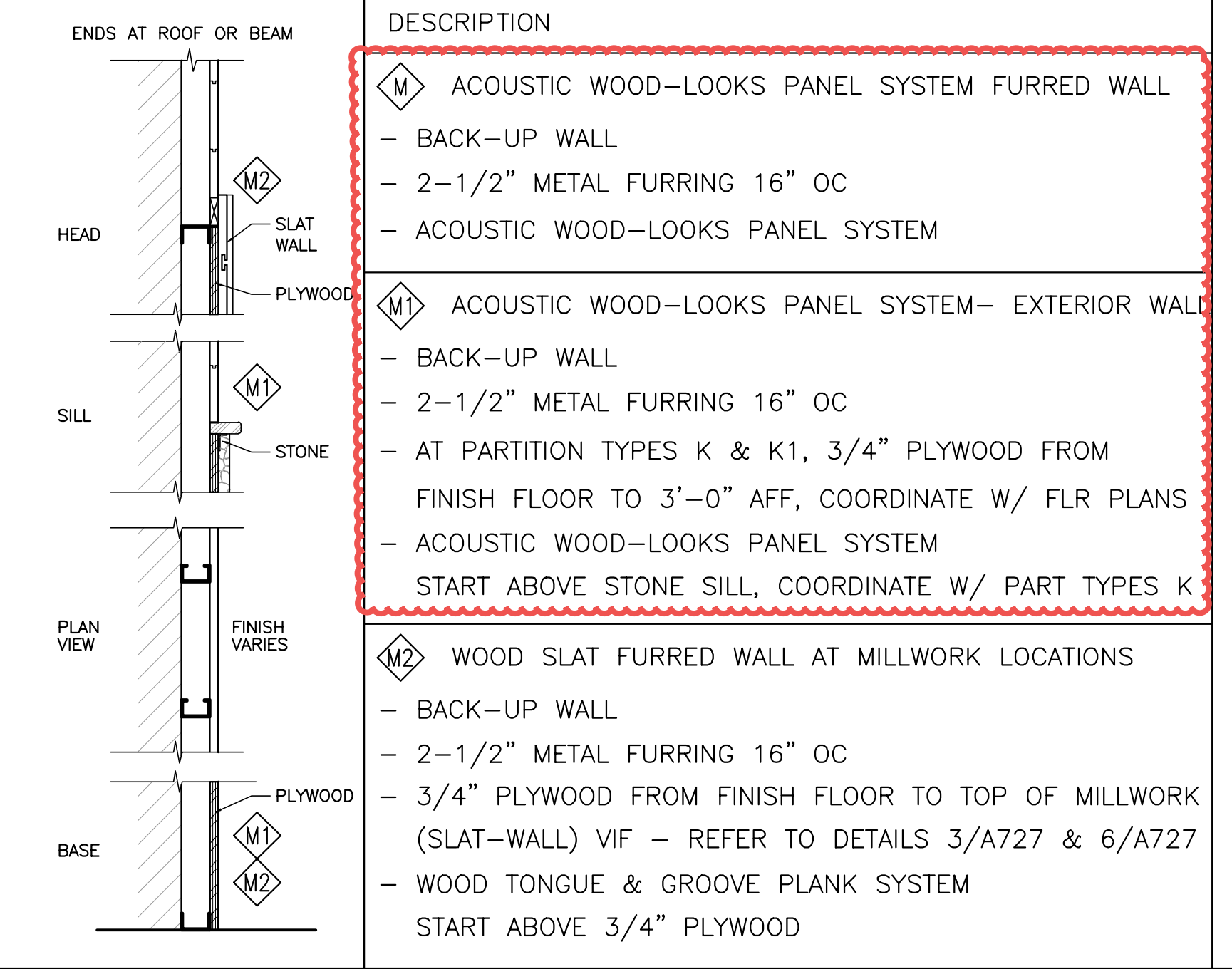
**4 PLAN DETAIL AT CORNER GUARD TYPE 2**  
SCALE: 3" = 1'-0"



**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



**DESCRIPTION**

**M** ACOUSTIC WOOD-LOOKS PANEL SYSTEM FURRED WALL

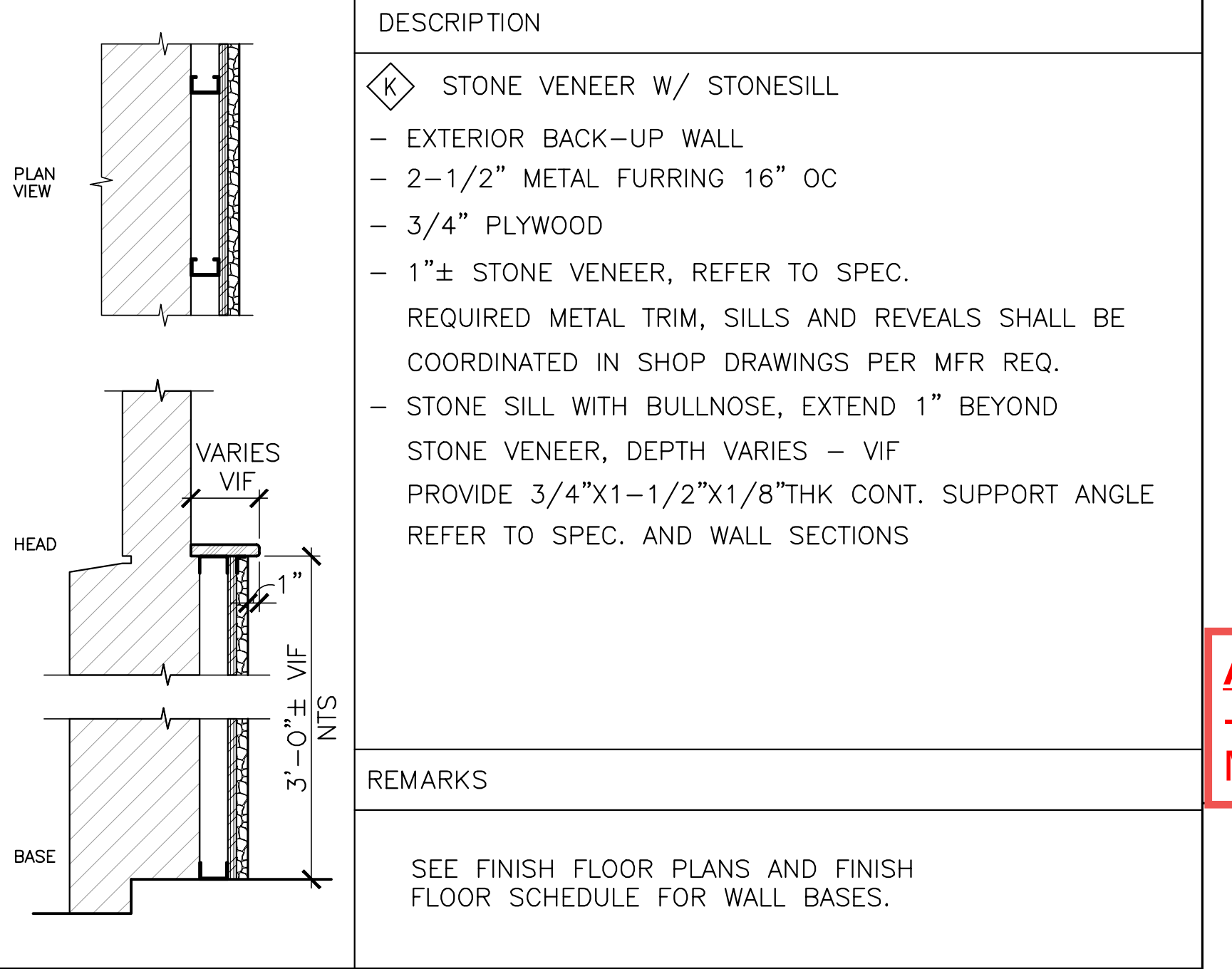
- BACK-UP WALL
- 2-1/2" METAL FURRING 16" OC
- ACOUSTIC WOOD-LOOKS PANEL SYSTEM

**M1** ACOUSTIC WOOD-LOOKS PANEL SYSTEM- 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
- ACOUSTIC WOOD-LOOKS PANEL 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



**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**

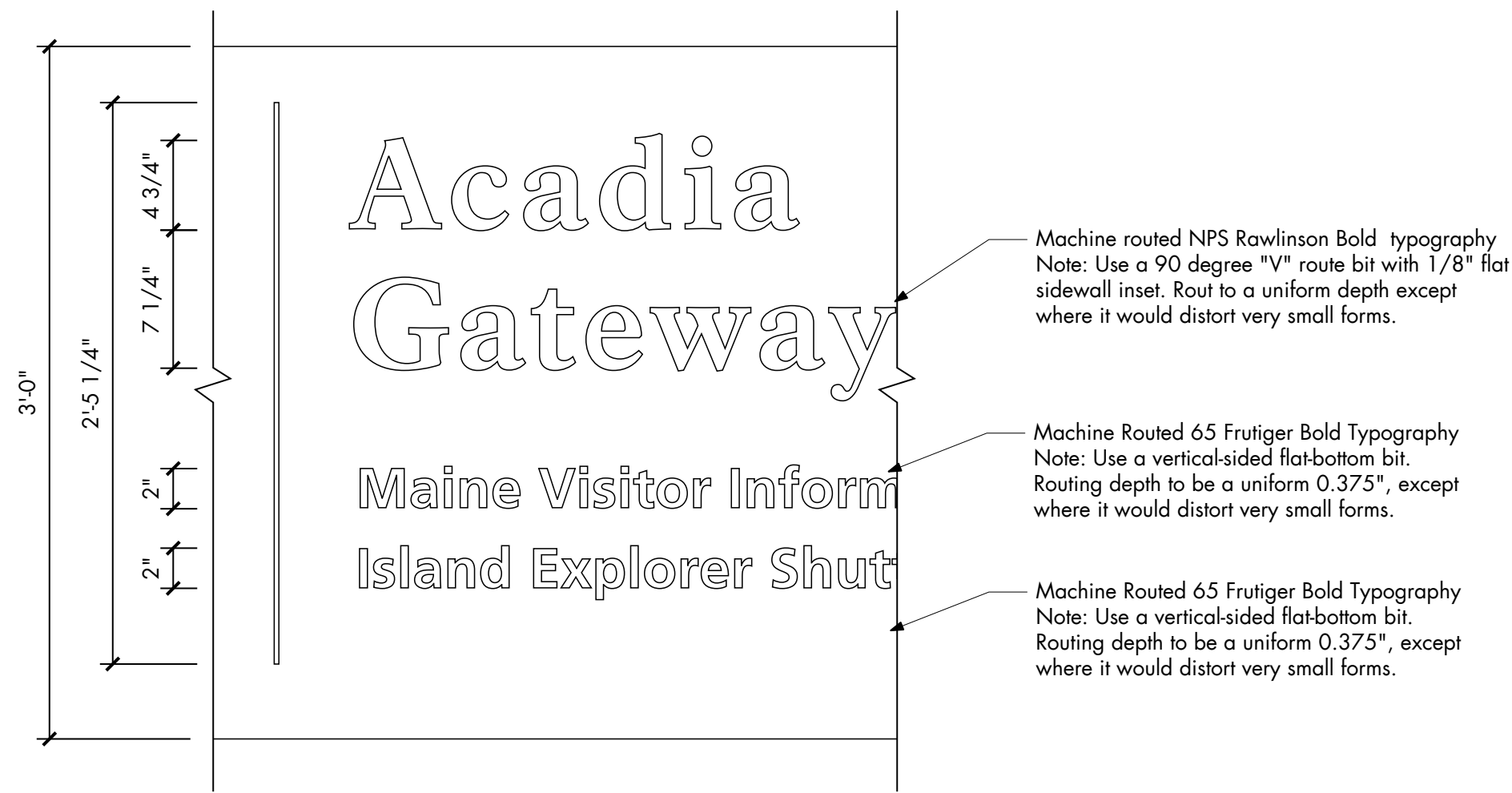
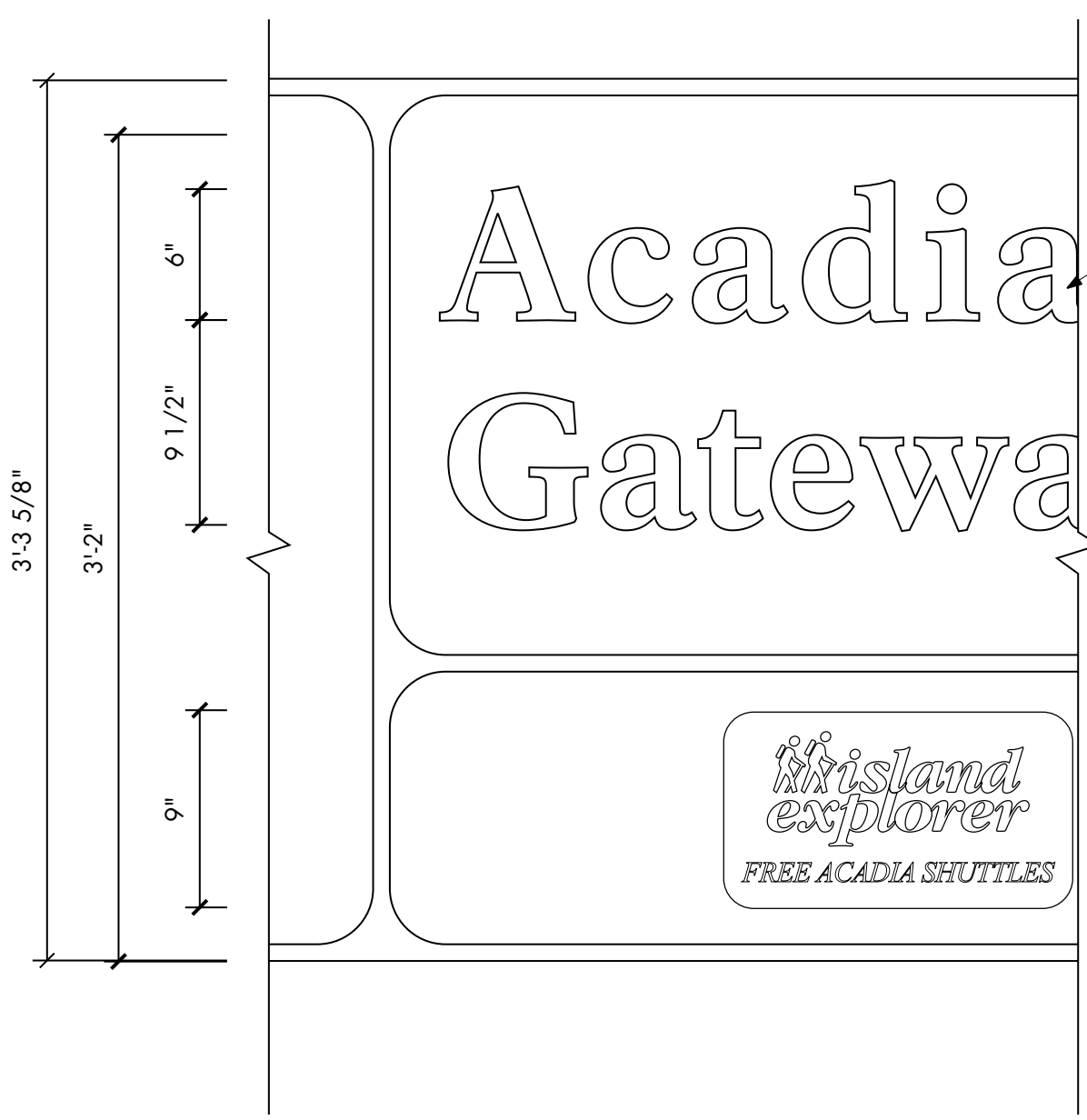
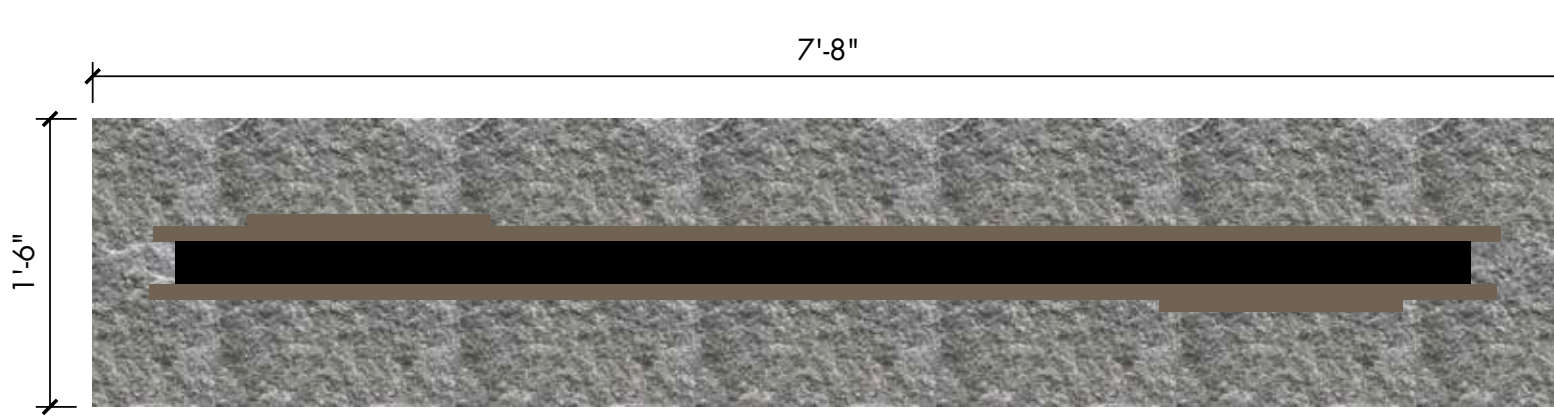
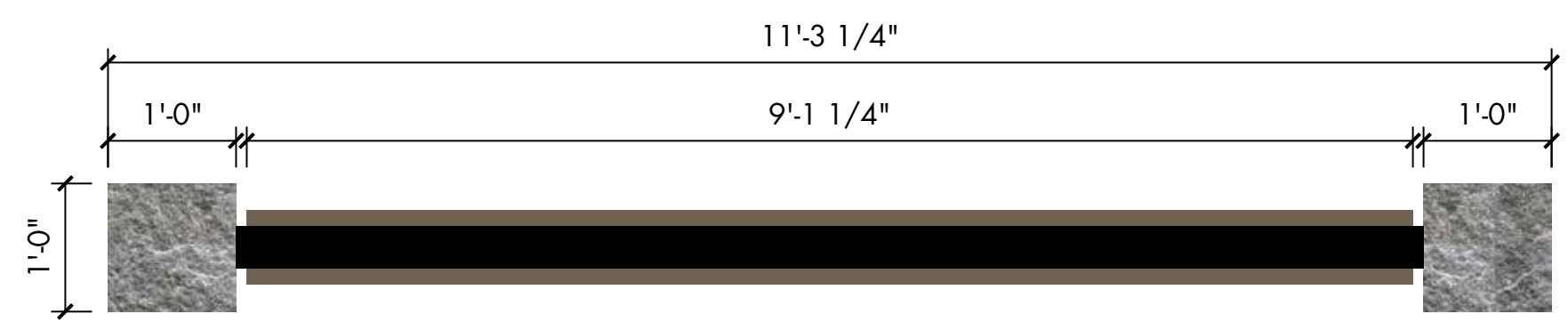
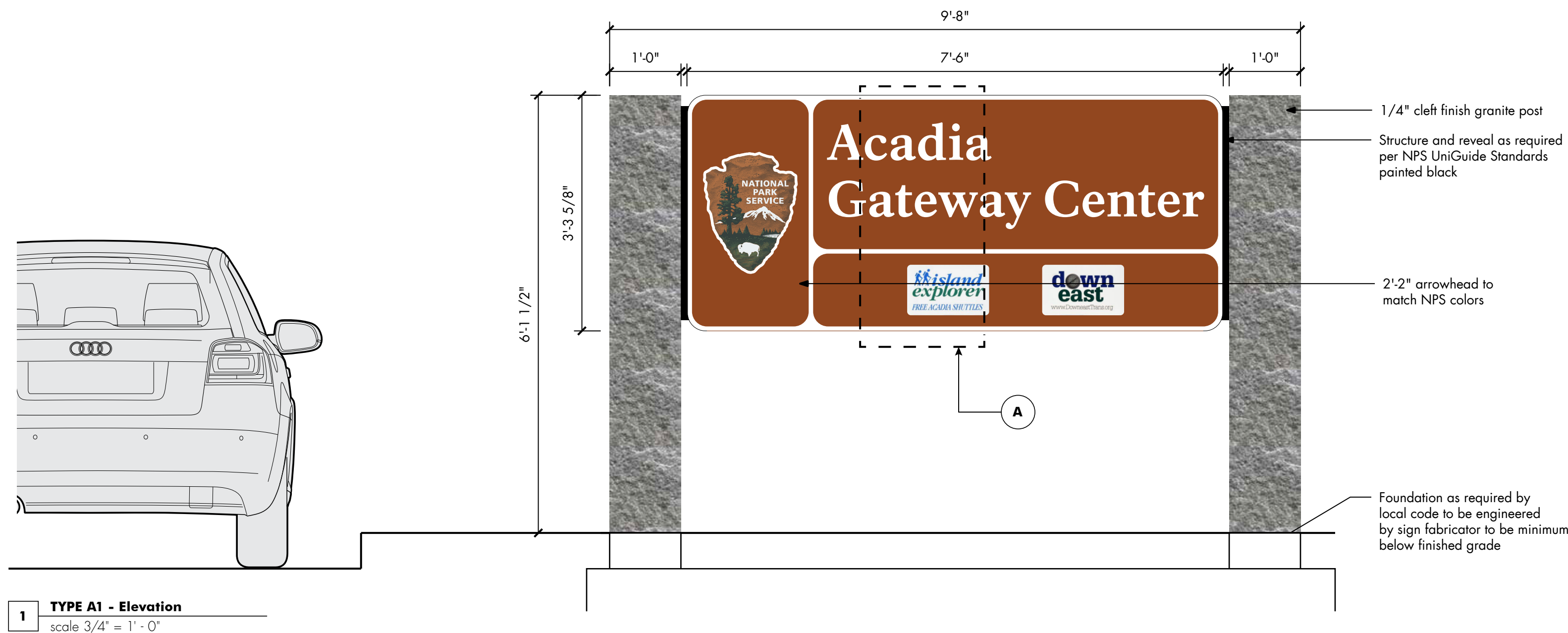
SEE FINISH FLOOR PLANS AND FINISH FLOOR SCHEDULE FOR WALL BASES.

**AMENDMENT #6 UPDATES:**  
- REVISED PARTITION M AND M1

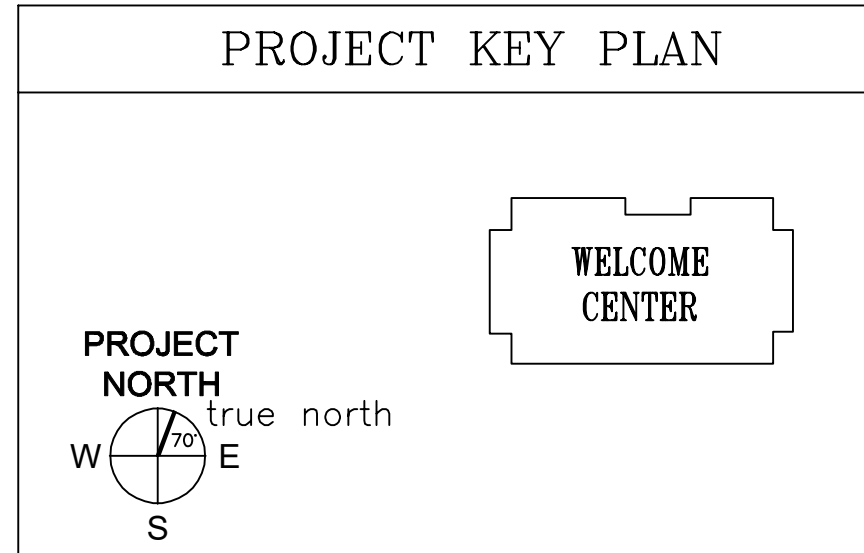
**AECOM**  
1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
617.723.1700  
www.aecom.com

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
LICENSED ARCHITECT		DATE	
KAYLA MICHELLE WENGLER No. 6292		FED PIN NO: NA	
STATE OF MAINE		WIN NO: 017163.03	
SIGNATURE		ARCH. LIN. NUMBER	
KAYLA WENGLER		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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**Amendment #6**  
Updated note of stone base.  
No change to design.



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1 FEDERAL STREET, 8TH FLOOR  
BOSTON, MA 02110  
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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		DATE	
PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR
INFORMATION	AECOM				
SIGNATURE	ARCH. LIN. NUMBER	DATE	JANUARY 17, 2022		
PROJECT INFORMATION			PROJECT COMPLETION DATE		
MAINE DEPARTMENT OF TRANSPORTATION					
ACADIA GATEWAY FACILITY					
INTERMODAL AND WELCOME CENTER					
EXTERIOR SIGNAGE DETAIL I - GATEWAY AND WELCOME SIGNS					
SHEET NUMBER					
<b>SG107</b>					