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GOVERNOR

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

October 16, 2009

Subject: **Trenton, Acadia Welcome Center**

DAVID A. COLE
COMMISSIONER

Federal Project No. 16123.50

State Pin No.016123.50

Amendment No. 2

Dear Sir/Ms:

NOTE: All questions concerning this project **MUST** be faxed to 624-3431 in accordance with the "Notice To Contractors". This is the only method by which questions may be asked.

Make the following changes to the Bid Documents:

In the Bid Book (page 1), "NOTICE TO CONTRACTORS" **ADD** the following sentence after the paragraph that begins "Outline of Work: ..."; "**The basis of award will be Section 0001 Only**". Make this change in pen and ink.

In the Bid Book, after page 3, **ADD** the attached "Substitution Request Form" This form should be submitted along with an Request For Information (RFI) and faxed to (207)-624-3431.

In the Bid Book (pages 5 thru 12), **REMOVE** the "SCHEDULE OF ITEMS", 8 pages dated 090918 and **REPLACE** it with the attached new "SCHEDULE OF ITEMS", 10 pages dated 091015.

In the Bid Book (pages 13 thru 20), **REMOVE** the "CONTRACT AGREEMENT, OFFER & AWARD" (8 pages, 2 copies) and **REPLACE** it with the attached new "CONTRACT AGREEMENT, OFFER & AWARD", 8 pages, 2 copies.

In Amendment #1, U.S.A. DOT, Federal Transit Administration, Contract Requirements (pages 5 of 25 thru 7 of 25), **DELETE** the "**BONDING REQUIREMENTS**" Section. Maine DOT Standard Specifications will prevail.

In Amendment #1, U.S.A. DOT, Federal Transit Administration, Contract Requirements (pages 17 of 25 thru 19 of 25), **DELETE** the "**TEMINATION**" Section. Maine DOT Standard Specifications will prevail.

In the Bid Book, page 40, Special Provision Section 104, General Scope of Work (Limitation of Operations), in the last sentence, **DELETE** the word "environmental". Make this change in pen and ink.



In the Bid Book, page 43, Special Provision, Section 107 (Time), under item #1, the 3rd paragraph, in the last sentence, **ADD** the words “the standard Specifications”. Make this change in pen and ink.

In the Bid Book (pages 260 & 261), Section 012600 - Contract Modifications Procedures- 1.4 Proposal Requests, paragraphs A.2.c. & B.4., **DELETE** the word “supervision”, and **REPLACE** it with the word “foreman”. Make this change in pen and ink.

IN THE SPECIFICATIONS:

- A. Division 1
 - 1. Section 012700 Unit Prices
 - a. 1.2., B, (5) **DELETE** in its entirety.
- B. Division 4
 - 1. SECTION 042000
 - a. 1.02, C: **INSERT:** Section 081100 “Steel Doors and Frames”, “Section 083323 “Overhead Coiling Doors”, Section 083600, “Overhead Sectional Doors”
 - b. 2.03, A: **INSERT:** Manufacturer: A. Jandris and Sons, Inc.
- C. Division 6
 - 1. SECTION 06200: **DELETE** section in its entirety
 - 2. SECTION 06400: **DELETE** section in its entirety. **ADD** in its place, Section 06400 Architectural Woodwork, attached.
- D. Division 7.
 - 1. SECTION 074100
 - a. 2.04 FINISHES: **DELETE:** in its entirety. **ADD** in its place:
 - ”1. Exterior finish on G90 galvanized steel shall be CENTRIA Versacor Ultra PF coating consisting of .8 mil (Nom.) PVDF topcoat applied over a 3 mil (Nom.) Versacor Ultra Barrier Coat. The exterior coating shall be applied by the coil coating process to assure quality of application and uniform thickness.*
 - The Versacor Ultra PF finish system shall exhibit acceptable performance characteristics in accordance with ASTM independently witnessed tests and evaluation procedures and meet the following results:*
 - a. *ACCELERATED WEATHERING - QUV WEATHEROMETER ASTM D-4587, G 154-00) After 5000 hours of A-Bulb exposure. No color change in excess of 0.61ΔE per ASTM D-2244 or Chalk rating of 10 per ASTM D-4214.*

- b. *ACCELERATED WEATHERING - QUV WEATHEROMETER (ASTM D-4587, G 154-00) After 5000 hours of B-Bulb exposure No color change in excess of 0.51Δ E per ASTM D-2244 or Chalk rating of 10 per ASTM D-4214.*
- c. *CYCLIC FOG/U.V. WEATHERING (ASTM D-5894) After 2000 Hours results should meet or exceed the following –*
 - a. *Creepage rating of 5 per ASTM D-1654*
 - b. *Field rust rating of 9 per ASTM D-610*
 - c. *Minimal Loss of adhesion*
 - d. *Color Change of 0.63ΔE per ASTM D-2244*
 - e. *Chalk rating of 10 per ASTM D-4214*
- d. *HUMIDITY TEST (ASTM D 2247, D714-87) Test specimens shall be subjected to 5000 hours of condensing humidity at 100 degrees F. Results achieved should be equal to or better than 4 Medium blisters, per ASTM D-714; Field rust rating 9, per ASTM D-610; No loss of adhesion.*
- e. *SALT FOG TEST (ASTM B 117-85) Test specimens scribed to the base metal shall be subjected to 3000 hours of 5% salt solution at 95 degrees F. Results shall be equal or better than:*
 - a. *At Scribe – Test rating of 5 per ASTM D-1654, delamination at the scribe, 2 few blistering, per ASTM D-714*
 - b. *In Field – Test rating of 10, no blistering, per ASTM D-610 and ASTM D-714*
- f. *FALLING SAND ABRASION (ASTM D-968-93) After 200 liters of falling sand there shall be no exposure of the metal substrate.*
- g. *ACID RAIN – KESTERNICH TEST (ASTM G-87) Coating system shall have no significant blistering, color change, or loss of adhesion after 30 Cycles in a Kesternich cabinet with dissolved sulfuric dioxide in distilled water, creating a sulfuric acid environment.*
- h. *ACID and AKALAI RESISTANCE (ASTM D-1308-87 (1993)) Specimens shall show no significant blistering, loss of adhesion, or visual change when subjected to the following chemicals for the duration period indicated –*
 - a. *20% Muriatic Acid – 15 Minutes*
 - b. *70% Nitric Acid – 15 Minutes*
 - c. *20% Sulfuric Acid – 18 Hours*
 - d. *10% Hydrochloric Acid – 24 Hours*
 - e. *20% Hydrochloric Acid – 18 Hours*
 - f. *25% Sodium Hydroxide – 1 Hour*

i. *CLEVELAND CONDENSING HUMIDITY (ASTM D-4585) After 1000 hours there shall be no significant change in appearance and a blistering rating of 8 Few or better.*

j. *FLEXIBILITY T-BEND (ASTM D-4145-90) Flexibility of the coating shall be demonstrated to a 0-T bend minimum, no pick-off.*

k. *BACKSIDE COATING PROTECTION for Profiled Series panels.*

In addition, the interior side of Profiled Series Panel shall be coated with a Versacor Ultra PF exterior finish shall have an additional 3 mil (Nom.) Versacor Barrier coating applied to the interior of the metal substrate. A wash coat or primer shall be applied over the interior Versacor Barrier Coat.”

c. 3.01: **DELETE** in its entirety. **ADD** in its place:

”A. Samples shall be submitted to illustrate the panel design, texture, color and features specified. Standard Color Chip samples shall be acceptable for color selection.

B. Independently conducted and witnessed test reports should be submitted upon request indicating that the coating systems have tested in accordance to 2.03 A.1 above.

C. Lab tests shall be conducted on each coil produced to verify the quality coating. These test shall include:

1. Pencil Hardness per ASTM D-3363-92a

2. Reverse Impact per ASTM D-2794-93

3. Flexibility (T-Bend) per ASTM D-4145-90

4. Dry Film Thickness per ASTM D-1400-87 and ASTM D-1005-84 (1990)

D. A 25 Year Standard Finish Warranty is required to be submitted upon the completion of the project. The warranty shall cover color change, chalk and film integrity for a period of 25 years. (Please note special restrictions apply for tropical and coastal conditions, contact CENTRIA for more information).

1. Alternate - 20 Year Warranty for Marine Environments within ¼ Mile of Coast. Provide a 20 Year finish warranty upon completion of the project. (Please note special restrictions apply contact CENTRIA for more information).”

E. **Division 8**

1. SECTION 086300

a. 2.04, A: **DELETE** in its entirety. **INSERT:**

“Glazing: Provide glass and glazing as specified in Section 08 80 00 – GLASS

AND GLAZING.”

2. SECTION 088000

a. 2.03 GLASS PRODUCTS; ADD

“4. Use 1” (25mm) double glazed insulated glass unit with ¼” laminated glass on both outer and inner surfaces; use 0.1 low emissivity coating on surface 3, argon gas filled interspace and a thermally broken aluminum glazing spacer, for all metal-framed skylights. Provide transparent glass on north faces, and translucent glass on south faces.”

3. SECTION 083323

a. 2.02 DOOR CURTAIN MATERIALS AND CONSTRUCTION, A.2, **DELETE** in its entirety, **ADD** in its place.

“Insulation: Fill slat with manufacturer's standard rigid cellular polystyrene or polyurethane-foam-type thermal insulation complying with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, according to ASTM E 84. Enclose insulation completely within metal slat faces. Slat to have R-value of 7.0 or greater as calculated using ASHRAE Handbook of Fundamentals.”

4. SECTION 083600

a. STEEL DOOR SECTIONS

1. Paragraph A; **ADD**: Exterior skin thickness shall be 20 ga. minimum, flush panel; interior skin thickness shall be 26 ga. minimum.

2. Paragraph G. Thermal Insulation; **INSERT**: R-Value of door panels shall be a minimum of 15.5.

F. Division 9

1. SECTION 095100

a. 2, 1.04, **ADD**

“f. Shop drawings: RCP’s showing grid pattern, light fixtures, grills, registers and diffusers

B. 3, 2.03, B, 1. **DELETE** in its entirety. **ADD** in its place:

“1. Interior Ceiling Panel – ACT Provide Ultima 1911HRC, wet-formed mineral fiber with factory-applied white vinyl latex paint finish, as manufactured by Armstrong World Industries, and as follows:

- a. Size: 24 in. x 24 in. x 3/4 in.*
- b. Type: Beveled tegular lay-in for interface with Prelude XL, HRC 15/16” exposed tee.*
- c. NRC Range: 0.70 according to ASTM C 423.*
- d. Light Reflectance: Actual LR 0.90 according to ASTM E 1477.*
- e. Flame Spread: ASTM E 1264; Class A (UL)*
- f. Mold/Mildew Inhibitor: ASTM D 3273; front and back treated with a special biocide that inhibits or retards the growth of mold or mildew.”*

C. 3, 2.03, B, 2. **DELETE:** in its entirety. **ADD** in its place:

“1. Interior Ceiling Panel – Metal Mesh

- a. Surface Texture: Smooth*
- b. Composition: Metal*
- c. Color: Nickel Chrome*
- d. Size: 24” x 24”*
- e. Edge Profile: Square lay-in for interface with Prelude XL 15/16” Nickel Chrome Exposed Tee grid*
- f. Flame Spread: ASTM E 1264; Non-combustible*
- g. Acceptable Product: Metalworks Mesh – Welded Wire, 6131 as manufactured by Armstrong World Industries”*

D. **DELETE** Section 96500 in its Entirety. **ADD** in its place Section 096500 Resilient Flooring, attached.

G. Division 23

1. SECTION 230700

a. **DELETE** Paragraph 3.12 B in its entirety. **ADD** in its place:

“B. Supply Ducts - Exposed to conditioned space (including those above the open metal mesh ceiling): None required.”

MAKE THE FOLLOWING PEN AND INK CHANGES TO THE PLANS:

On plan sheet C-4, Note #3, **DELETE** the second sentence and replace with “Payment will be incidental to related contract items.”

On Plan sheet C-9, in the note in the upper LH corner that reads, “2” water supply line for Option #2 well location.....”, **delete** the words “Option #2”

On Plan sheet C-9, **delete** the entire note on the RH side of the page that reads, “2” water supply line for Option #1 well location (see sheet”

On Plan Sheet C-14, in the note in the upper LH corner that reads, “2” water supply line for Option #2 well location.....”, **delete** the words “Option #2”.

On Plan Sheet C-14, in the note on the LH side that reads, “Proposed well location-Option #2 for bus maintenance.....”, **delete** the words Option #2”.

On Plan Sheet C-17, **delete** the entire note at the top of the sheet that reads, “2” water supply line for Option #1 well location (see this sheet.....”

On Plan Sheet C-17, **delete** the entire note on the upper RH side of the sheet that reads , “Proposed well location Option #1 for bus maintenance.....”

On Plan Sheet C-15, in the note on the LH side of the page that reads , “2” water supply line for Option #2 well location.....”, **delete** the words “Option #2”.

On Plan Sheet C-16, in the note at the bottom of the page that reads “2” water supply line for Option #2 well location.....”, **delete** the words “Option #2”

DRAWING MH-100 – At Mechanical/Electrical 121, **ADD** the following note: “All ductwork in the area shall be exposed below the GWB ceiling, except where rising to enter the adjacent spaces.”

Note: Plan pages will be Fedexed/mailed to plan holders in the size and quantity ordered.

ON PLAN SHEETS:

- A. **DELETE** Sheet A5.21 Elevator Car Details, in its entirety. **ADD** in its place, Sheet A 5.21 Elevator Car Details, attached.
- B. **DELETE** Sheet A6.10 Finish Floor Plans, in its entirety. **ADD** in its place, Sheet A6.10 Finish Floor Plans, attached.
- C. **DELETE** Sheet A7.04 1ST Floor Enlarged Plan IV, in its entirety. **ADD** in its place, A7.04 1ST Floor Enlarged Plan IV, attached.

- D. **DELETE** Sheet A7.15 Administration Building First Floor Furniture Plan, in its entirety. **ADD** in its place, A7.15 Administration Building First Floor Furniture Plan, attached.
- E. **DELETE** Sheet A7.16 Administration Building Second Floor Furniture Plan, in its entirety. **ADD** in its place, A7.16 Administration Building Second Floor Furniture Plan, attached.
- F. **DELETE** Sheet A7.25 Interior Elevation VI, in its entirety. **ADD** in its place, A7.25 Interior Elevation VI, attached.
- G. **DELETE** Sheet A8.01 Finish Schedule, in its entirety. **ADD** in its place, A8.01 Finish Schedule, attached.
- H. **DELETE** Sheet A8.02 Partition Types, in its entirety. **ADD** in its place, A8.02 Partition Types, attached.
- I. **DRAWING SB-100 - DELETE** reference to Section A3-SB500 at exterior radiant slab at egress bus wash. **ADD** in its' place A7-SB500.
- J. **DRAWING SF-100 – SF-100: SECOND FLOOR FRAMING PLAN NOTES: DELETE** notes 1 and 2 in their entirety and **REPLACE** with revised “1. TOS = 126’-9 1/2” (LINES BA, BB, BD, B1 AND B10)”, “2. TOS = 124’-9 1/2” (LINES BF, AF, A5 AND A6)
- K. **DRAWING MH-104 – Fan Schedule**; **DELETE** “SF-1 and SF-2” in their entirety and **REPLACE** with revised “SF-1 and SF-2” shown clouded on attached sketch SKM-1.
- L. **DRAWING MH-100 – At Mechanical/Electrical 121, ADD** the following note:
“All ductwork in the area shall be exposed below the GWB ceiling, except where rising to enter the adjacent spaces.”

PREVIOUSLY NOTED ITEMS:

RFI #1

Question #3: You should verify that the vent at the top of the elevator hoistway is necessary. (I do not believe it is required in Maine on a two stop elevator)

Response: Vent at top of elevator hoistway is to be retained as shown in the drawings.

Question #6: Spec 142100-5 page 703 references Buy American provisions, then some of the approved manufacturers are not American companies please clarify your requirements.

Response: Kone and Schindler are both American. Otis and Delta-Beckwith are other American manufacturers which would be acceptable. Global Tardif is headquartered in Saint-Augustin-de-Desmaures, Canada, and we believe their manufacturing is also in Canada, and therefore they would not qualify as an American company.

RFI #3

Question #1: Good morning. I would like to bid this project as an approved skylight manufacturer. What information do I need to send to you to review?

We have been in business since 1986 and have worked all over the United States with many projects in New England.

Response: Please provide the product information on your skylights, and performance specifications that meet or exceed the stated performance requirements in our specifications Section 08 63 00 – METAL-FRAMED SKYLIGHTS, along with a completed “Substitution Request Form”. An approved form is included with this Amendment.

Question #2: I have reviewed your specifications and the glass for the skylights in section 086300-6, sec. 2.04 A, refers to Section, 08801. There is no such section, and in Section 08800, entitled Glazing, makes no mention of the skylight glass. Please advise.

Response: You are correct, there is no Section, 08801. Please provide 1” insulated glass with ¼” laminated outer and inner glass; use low-emissivity coating on surface 3. Fill inter space with argon gas. Provide transparent glass on north faces, and translucent glass on south faces. Specification Section 08800 – GLAZING is being revised to include glazing for metal-framed skylights.

RFI #4

Question #1: Specification Section 074100-2.02A; Centria panels or an approved equal are specified. We would like to submit the attached ATAS panels as an equal panel. Are these panels acceptable?

Response: We do not find a ‘profile panel’ in your on-line literature that meets the design intent shown in the drawings. However, your standing-seam roof panels may meet the requirements of metal roofing specified in the documents. Please forward additional information on your wall

and roofing products for our use in document compliance with the specifications, along with a substitution request form as included herein.

Question #2: It is recommended that if the building is within 1 mile of salt water that the exterior metal panels be aluminum and not G90 galvanized steel panels. Please advise.

Response: The specified panels depend on their applied coatings and finishes to meet the specified warranty. Clarification to the specifications is addressed by amendment herein.

RFI #6

Question #3: Section 104, Any cost for Time Warner Cable or MDOT?

Response: No. Neither Time Warner nor MDOT will be running cables or installations as part of the contract.

Question #5: Section 105-pg. 40; what is meant by “excessive environmental noise”?

Response: In Special Provision Section 104, General Scope of Work (Limit of Operations), in the last sentence, delete the word “environmental”.

Question #6: Section 107-pg. 43, 3rd paragraph needs to be completed.

Response: See the above change to Special Provision 107.

Question #7: Section 107-pg. 43, Clarify the status of work at Route 3 since that work impacts the access to this site. When will this access road be completed?

Response: The Route 3 project is scheduled for a 2010 advertisement. That contract will include provisions for the contractor to complete their adjacent portions of Rte 3 by an appropriate date, allowing the maintenance facility entrance to be functional by its contract completion date.

Question #8: C-4 Note 3, Pay Item 202.203 is not listed on bid form.

Response: On plan sheet C-4, Note #3, Delete the second sentence and replace with “Payment will be incidental to related contract items.”

Question #10: Bid Line Item 0140, The 3 culverts total 262 lf.

Response: See revised schedule of items for the correct bid quantity.

Question #11: C-405, Using design of stone berm level lip spreader on this page or as detailed in Special Provision 610?

Response: Special Provision 610

Question #12: 012700, No place on bid form for unit prices.

Response: This is addressed by amendment herein with the new Bid form.

Question #13: Landscaping, Find no specifications. Section 621 has quantity for 621.128 different than bid form plus 4 items have different group number.

Response: *Outstanding item-to be addressed by future amendment.*

Question #14: Section 652-pg. 77; is this section applicable to this project?

Response: Yes

Question #15: Section 652-pg.78; is this section applicable to this project?

Response: Yes

Question #16: Landscaping, Provide names of certified landscaping subcontractors by MDOT's Environmental Office Landscape Unit.

Response: There is no list of certified landscaping subcontractors to be provided.

Question #17: App. A to Div. 100, Section 3 - Buy America provisions only apply to what is listed in this section?

Response: Appendix A removed in Bid Amendment #1.

Question #18: FHWA 1273, Part VI (pg. 139) – is this applicable for this project? If so provide Form FHWA-47.

Response: Appendix A removed in Bid Amendment #1.

Question #19: FHWA 1273, Part VII (pg. 139) – is this applicable for this project?

Response: Appendix A removed in Bid Amendment #1.

Question #20: DEP Approval 16C, Confirm the ILF fee of \$ 77,283.36 and the \$ 86,046 to Maine National Resource Conservation Fund are not a part of this bid.

Response: The DEP and NRCF payments are not part of the contract.

Question #24: 013300-1.5B1d, Clarify cost of \$ 50/sheet for plans.

Response: CAD documents for use by the contractor will be provided so long as our standard waiver contract is signed and the following rates are paid in full: Up to five sheets: One time charge of \$200.00. Each sheet in excess of five sheets: \$50.00 per sheet.

Question #25: 015000-3.3G, Where is project sign to be located?

Response: The project sign location will be as approved by the Engineer.

Question #26: C-10, Cut line at Rt. 3 states work by others – this cut line seems to include the area required to install site lighting per ES-102.

Response: *Outstanding item-to be addressed by future amendment.*

Question #30: 015000-3.4C, Need specific locations of where plans/specifications may be viewed by subs/suppliers – I know of Construction Summary but they seem to be the only plan agency that has them.

Response: Plans are only sent to companies/organizations that order them. Plans are available for viewing at MDOT Headquarters in Augusta (Child Street) and the Eastern Region Headquarters, 219 Hogan Road, Bangor, ME

Question #34: Web site, Cannot view plans or specifications on line – server times out since files are too large. Can they be broken up into smaller sections, ie. civil, architectural, mechanical, electrical?

Response: We have divided both the plans and the Bid Book to reduce the size of the file.

Question #35: Plan locations, Clarify exactly where temporary fencing is required related to “outside the drip line of trees” since project building is 3500 feet back from Rte. 3.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #7

Question #7: The allowance section indicates a change order will be done for the difference in purchase costs vs. allowance value. Is this the way the MDOT wants it to be?

Response: Yes.

Question #8: Section 012300 - Alternates - Page 1, 1.3, A. Indicates the value is to be shown on the bid form but there is not a bid item. Does the General Requirements section 102 & 103 need to be modified if Alternates are included?

Response: This is addressed by amendment herein with the new Bid form.

Question #9: Section 012300 - Alternates - Page 1, 1.4, B. Indicates notification is after the Contract award. Is this the correct procedure?

Response: Section 012300 Alternates was deleted in Amendment # 1

Question #10: Section 012300 - Alternates - Page 2,3.1, A & B. - These are not on the bid form.

Response: Section 012300 Alternates was deleted in Amendment # 1

Question #11: Section 012600 - Contract Modifications - Page 1 - 1.4,A.2.c. & B.4. indicates supervision is included this is not allowed by Section 109; change word to foreman.

Response: In Section 012600 - Contract Modifications - Page 1 - 1.4,A.2.c. & B.4. delete the word “superintendent”, and replace it with the word “foreman”.

Question #12: Section 012700 - Unit Prices - Page 1 - 1.2.B.5; why is this in here can't be found in the spec also there is no spec section 14240.

Response: This is addressed by amendment herein with the new Bid form along with deletion of reference to section 14240.

RFI #8

Question #1: In section 083323-3, 2.02,A., 2. the specifications read for the R-value of the overhead coiling doors to be 16.0. This is more in line with a sectional door. The usual insulated coiling door is in the R- 5.0 to 8.0 range. Also, in section 083600 Overhead sectional doors I cannot find an indication of an R-value, nor a skin gauge thickness. Is there a benchmark door for this section?

Response: This is addressed by amendment herein.

THE FOLLOWING QUESTIONS HAVE BEEN RECEIVED:

RFI #11

Question#1: Sheet A4.23 of the drawings detail 3 shows the exit devices for the aluminum doors to be a mid panel exit device by the door manufacturer. The hardware schedule hardware sets #1 and #2 also list exit devices. Who supplies the exit devices? If mid panel devices are what is required then they would have to come from the door supplier, and would be the door supplier's standard exit device, and not the device listed in the hardware schedule.

Please clarify.

Response: The door supplier should provide the mid-panel exit device for exterior double aluminum exit doors 101A, 102, and for exterior single aluminum exit doors 112b, 119a, along

with associated exit hardware only. All other hardware should be as noted in the hardware schedule.

RFI #12

Question#1: Drawing EP-100, Detail F1-Propane Fuel Center, I question the placement of the 4 convenience receptacles in what will probably be a classified area around fuel hose, nozzle, etc. If actually needed there, they will need to be classified (Class 1 Div 1) units.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #13

Question#1: Drawing EP-103, Detail C7-Schedule, EF-7 is intended as connected to panel P-7. Would PNL P-3 be correct?

Response: *Outstanding item-to be addressed by future amendment.*

RFI #14

Question#1: Drawing EP-101, Waste Fluid Room (136) + (135):

- a) What fluids are anticipated to be transferred here? If busses are propane powered, there may be no need of Class 1, Div 2 rating of room electrical.
- b) If room is to be classified, associated motors and controllers in same room will need to be also rated for Class 1, Div 1 or 2?

Response: *Outstanding item-to be addressed by future amendment.*

RFI #15

Question#1: We are bidding the structural steel for the above project and there appears to be some discrepancies with the floor elevations. Drawing SF-100 notes TOS to be 129'-9 1/2" at lines BA, BC, BD, B1 and B10, but sections D9 on SF503, F4 on SF503, and A1 on SF502 all show the second floor elevation to be 127'-0" less 2 1/2" of concrete making TOS 124'-9 1/2". Do we use the elevation noted on the plan drawings or the elevations shown on the section cuts? Please advise.

Response: This is addressed by amendment herein.

RFI #16

Question#1: Is the structural steel within the building primed?

Response: The Structural Steel scheduled to remain exposed and painted shall be primed. Steel to be covered by finishes can remain unprimed.

Question#2: What is the finish for the exposed canopies?

Response: Metal standing seam roofing is to match administration building metal standing seam roofing. Exposed exterior tube steel to be hot-dipped galvanized and painted; galvanized metal dovetailed-type deck to be painted. Refer to SECTION 099100 – PAINTING; paragraph 3.09 EXTERIOR PAINT SCHEDULE.

Question #3: Are the stainless steel rod braces to have a turnbuckle? It notes it but doesn't show one. If so, are the buckles, as well as the clevises, to also be stainless steel?

Response: No turnbuckles are to be provided. Rods are to be threaded to clevises and connected as detailed. The Clevises and Rods are to be Stainless steel.

RFI #17

Question#1: Has a line item quantity been established for the size in square feet for the retaining wall or are the bidders responsible for their own take offs and establishing the bid amount?

Response: Bidders are to do their own take off and carry it under item 0830 Division 31 Earth work.

RFI #18

Question: In comparing the steel framing for the fueling station and bus shelter on the structural drawing SF-504 to that shown on Ad.05 & Ad.06, it appears that the roofs & supports look alike but the steel is sized differently. Also, the support framing for the bus shelter shown in Section 9/A2.06 is different than that shown in Section 5/A2.06 which is supposed to be the same frame. Plan view CB/SF-504 notes frames #1 & #2 to be similar to those of the fueling station. Do we use the structural drawings for bidding and ignore the Architectuals? Also, what is the finish for these two areas? Please advise.

Response: Use structural Drawings for framing requirements at Bus Fueling Station and Bus Shelter.

RFI #19

Question#1: Per Sheet A8.01 – rooms 104, 114, 115 – states that only the North wall is to receive CT, however sheet A7.20 shows that all walls are to receive CT.

Response: Refer to drawing A8.01 – finish schedule has been updated as part of this Amendment.

Question#2: Per Sheet A8.01 – Rooms 114 & 115, states that all the walls are to receive CT 4, however, sheet A7.20 states that the field is CT02.

Response: Follow CT patterns on A7.20; see A8.01 – finish schedule has been updated.

Question#3: Per Sheet A8.01 – Rooms 203, 204 , 205, 206 – states that floors are to be ct and only the North wall to be ct. There are no details on sheet A7.20 as to the color or pattern and whether or not it will be all walls or just the North wall.

Response: Rooms 203, 206 have CT @ Floor and Base only. Rooms 204, 205 have CT at all walls and floors.

Question#4: In any areas where floor drains are required, a 12 x 12 can't be successfully pitched to the drain. Therefore, would you accept a 2 x 2 ceramic mosaic for these areas? If so, please state how you would like this product to be installed, including where any and all drains are located.

Response: 2" x 2" is fine; SK to follow.

Question#5: On the second floor where rooms 203 – 206 are located (showers) – the second floor system is wood. Therefore, how do you propose to pitch the tiles to the required drain? If so, we would highly recommend Laticrete 9235.

Response: There are no wood floors on project. There is RUBTL-01, which is vinyl plank wood. Tiles in all wet areas should be pitched to drains.

Question#6: What type of curb systems do you want where showers are located and will all areas, whether it is 2 x 2 and or 12 x 12, be a standard thin-set application or will just the shower areas be a mud-set application on the first and second floor?

Response: It is intended that the showers have no curb, but would be slightly recessed and sloped to drain to be ADA compliant. Only shower areas are to be mud-set.

Question#7: Where the walls are being tiles, there are no specifications listed in the Gypsum section for waterproof backer boards. Will you be listing this within this section?

Response: We will require waterproof backer boards. Clarification on this item will follow.

Question#8: On the first floor room 104, will the concrete be pitched to the drain with the installation of ceramic tile being standard thin-set application?

Response: *This item will be clarified by future addendum.*

Question#9: Room 121 calls for vinyl, however, there are no specifications listed on sheet A8.01

Response: This item has been revised on finish schedule, Sheet A8.01 within this Amendment 2.

Question#10: Please list the manufacturer for RUBTL-02.

Response: See revised specification information within this Amendment 2.

Question#11: You have listed RUBTL-01 and RUBTL-02; however within section 09650 you have listed ECO products. Please state which supersedes which.

Response: The revised rubber tile products supersede the ECO products. Please see revised specification information within this Amendment for clarification.

RFI #20

Question#1: Section 03300 does not include anything on the polished concrete floors. Is there a spec. on this?

Response: This will be changed to Concrete Floor hardener in future amendment.

Question#2: Is the concrete for the polished concrete area to be colored or is the polished concrete to be painted per drawing A8.01?

Response: This will be changed to Concrete Floor hardener in future amendment.

Question#3: Can we get a color range on the Dry Shake Floor Hardener?

Response: We specify from full range of colors, most manufactures only have 5 or 6 colors.

Question#4: Division 32 of the specs does not contain anything on concrete paving. Can we get a spec on this or do we use the 03300 spec for the exterior flatwork?

Response: Drawings C-101 references drawings SB-100 and SB-102 for exterior slab details. Follow spec section 033000 Cast in place concrete.

Question#5: Drawing C-101 shows 6 steps up to the parking area next to the retaining wall. The note refers us to the structural drawings. What do we figure for steps?

Response: Provide Precast stairs and rails to meet all current ADA requirements. Shop submittal shall depict all risers/tread, rail installations. Conform to current ADA, IBC 2003 requirements and Life Safety Code requirements. Elevations shall be adjusted to meet final site grades.

RFI #21

Question: Section 093013, Ceramic Tile does not specify any waterproofing at the shower areas to receive ceramic walls and floors. Please provide a list of acceptable products.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #22

Question#1: Do the two different wage determinations in the Spec Book apply to different areas of the project. Which part of the project is highway and which part is building?

Response: The Highway wage rates apply to the parking lot and access road. Building wage rates apply to all phases of building construction.

Question#2: With regards to sitework, what determines which work is covered under MDOT Bid Items and which is incidental to the specific Building Divisions?

Response: *Outstanding item-to be addressed by future amendment.*

RFI#23

Question #1: Section 03300 does not include anything on the polished concrete floors. Is there a spec on this?

Response: Same as RFI #20, Question 1 above.

Question #2: Is the concrete for the polished concrete area to be colored or is the polished concrete to be painted as per drawing A 8.01?

Response: Same as RFI #20, Question 2 above.

Question #3: Can we get a color range on the Dry Shake Floor Hardener?

Response: Same as RFI #20, Question 3 above.

Question #4: Division 32 of the specs does not contain anything on the concrete paving. Can we get a spec on this or do we use the 03300 spec for the exterior flat work?

Response: Same as RFI #20, Question 4 above.

Question #5: Drawing C-101 shows 6 steps up to the parking area next to the retaining wall, Note refers us to the structural drawings; What do we refer to for the steps?

Response: Same as RFI #20, Question 5 above.

Question#6: 101 Lobby shows wall panel system. Who is the manufacturer and what are the specs. for this?

Response: Outstanding item-to be addressed by future amendment.

Question#7: 207 Break Room, where is the spec for the refrigerator?

Response: *Outstanding item-to be addressed by future amendment.*

Question#8: Where is Division 123200 that is referenced in allowance #7 for furnishings?

Response: This is addressed by amendment herein, via addition of section 123200 Furnishings

Question#9: Is this project tax exempt?

Response: Yes

Question#10: Who pays for the LEED Certification?

Response: There are specified items within the divisional specifications for data collection and support documentation that are the responsibility of the Contractor. The review, collection and application to LEED will be by the Owner's representatives. Fore Solutions has been contracted with through Allied Engineering, Inc. to direct and collect the materials necessary for this application to USGBC.

Question#11: Division 012100 states testing and inspection allowance, what is the allowance amount?

Response: This reference was removed in amendment #1

RFI #24

Question #1: There is a 6 step stair shown on C-101 that refers to the structural plans. This is not on the structural drawings. Is this stair to have rails at each side, and if so, what do they consist of? Please advise.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #25

Question#1:Section055100, para 1.2A, Item 1 notes the lobby stair (01) to be stainless. I assume that this is a typo and that just the rails are to be stainless and that the stair is steel as shown on the Sections on A5.05.

Response: *Outstanding item-to be addressed by future amendment.*

Question#2: Stair 02 shown on drawing A5.02, shows the rail to be stainless steel. Are the Perforated Metal Mesh panels to be stainless as well? They are mentioned in the Metal Stair Spec but not the type of material.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #26

Question#1: We assume that the disadvantaged business enterprise goal for participation of 1.9% listed on page 21 of the USADOT Federal Transit Administration Contract Requirements (issued with addendum/amendment #1) supersedes the 5.8% goal contained in the notice attached to the Federal Project Requirements that was provided with the bid documents. Please advise if we are wrong.

Response: The DBE goal for this project is 1.9%

RFI #27

Question#1: Please clarify; In spec section 084113-2 1.03 D and spec section 085113-2 1.04 C it calls for Windborne Debris Resistance. If this is required, the windows, glass, store front and curtain wall systems that are drawn and specified will not meet this impact resistance. Please advise if this is required.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #28

Question#1: What are the depths and types of pavement in the parking lots from sta. 31+90 to 36+86 Lt. and sta. 43+68 to 44+56 Rt.? (Plan Sheet # C-13, C-14, & C-16)

Response: *Outstanding item-to be addressed by future amendment.*

RFI #29:

Question #1: Amendment 1 #4b. This has eliminated an allowance for testing and inspection. This project needs such an allowance. The specifications require extensive testing and inspections and this cost cannot be adequately estimated.

Response: The cost for all testing and inspections required by the specifications shall be carried in the contractor's bid.

Question #2: 078400-1.02C 1 Reference should be Div. 21.

Response: Correct

Question #3: Flagpole C-I01 refers to a flagpole - can find no specifications.

Response: *Outstanding item-to be addressed by future amendment.*

Question #4: Fencing Any specifications?

Response: *Outstanding item-to be addressed by future amendment.*

Question #5: Amendment I #2 What is new in the Table of Contents?

Response: *Outstanding item-to be addressed by future amendment.*

Question #6: Amendment I # Ib Missing pages 13 14 I

Response: Although some pages of the amendment are out of order, all pages are in the amendment. The copy of the amendment on the web site contains all the pages.

Question #7: FTA - pg. 5 Re bid held for 90 days - project completion date of 10/29/10 cannot be met if bid can be held 90 days before award. Also in this regard, when should the contractor plan on contract execution in order to be able to issue purchase orders? Seems realistic this project will not have a green light until well into November or maybe December due to its many contractual requirements (minority participation, etc.) . Since the building site can only be accessed by a temporary road 4,000 feet back from Route 3, and this work would be started in the winter, what does the MDOT have for a realistic construction time table for completion? Also, SP (pg. 39) states there can be no "in-water work" from 10/11 to 6/30 and this temporary road must cross Crippens Brook.

Response: Per MaineDOT Standard Specifications and the Contract Agreement, Offer & Award the bid shall remain open for 30 days. It is the intent of the department to send out the intent to award letter within 30 days.

Question #8: FTA - pg, 5 BONDING REQUIREMENTS - 4th paragraph: This paragraph re the MDOT being paid the "difference" between the bid bond and the total damages must be addressed. What is meant by total damages?

Response: Please see the above change to U.S.A. DOT, Federal Transit Administration, Contract Requirements. Maine DOT Standard Specifications will prevail.

Question #9: FTA - pg. 5 Advance Payment Bonding Requirements: This should not be applicable since a performance bond is required.

Response: Please see the above change to U.S.A. DOT, Federal Transit Administration, Contract Requirements. Maine DOT Standard Specifications will prevail.

Question #10: FTA - pg.6 Warranty of the Work and Maintenance Bonds: We understand that the performance and payment bonds cover the warranty period therefore what is the purpose of this requirement?

Response: Please see the above change to U.S.A. DOT, Federal Transit Administration, Contract Requirements. Maine DOT Standard Specifications will prevail.

Question #11: FP pg. 10 FP states goal of DBE of 5.8% - FTA pg. 21 refers to 1.9% - please clarify. If the goal is as described in FTA, what is the % for women?

Response: The DBE goal for this project is 1.9%.

Question #12: Bid Form What Line No. does the excavation and backfill for underground utilities belong in?

Response: *Outstanding item-to be addressed by future amendment.*

Question #13: Our RFI 27 Your response was to coordinate - understood. Question was related to the fact that the temporary electrical and telephone, etc. cannot be installed until after these permanent services are extended from Route 3. Please confirm.

Response: *Outstanding item-to be addressed by future amendment.*

Question #14: Our RF132 Did not find a draft copy in Amendment #1.

Response: *Outstanding item-to be addressed by future amendment.*

Question #15: Bid Form Line No. 0630 - is this meant for strictly the earthwork sub?

Response: *Outstanding item-to be addressed by future amendment.*

Question #16: Bid Form Line No. 0660 - is this meant for just the general contractor and all subs should bid by their specific line item number (i.e . their mobilization/demobilization and general conditions will be included in their specific Line No.)?

Response: *Outstanding item-to be addressed by future amendment.*

Question #17: SP-pg.37 Table refers to utilities coming in aerial but plan shows underground.

Response: *Outstanding item-to be addressed by future amendment.*

Question #19: SP -pg.38 Is this applicable for this non-highway project, especially in light of the reference to \$2,500/violation?

Response: *Outstanding item-to be addressed by future amendment.*

Question #20: SP -pg. 77 Is this applicable for this project?

Response: *Outstanding item-to be addressed by future amendment.*

Question #21: 5S - Section 656 Pg. 102 - clarify what is meant by reduction of 5% per occurrence per day.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #30:

Question #1: To what extent will field testing be required for this project. See 084113-10,3.03 and 085 113-11,3.03. For section 084113 there does not seem to be enough area to test as required by the specifications. Field testing can be a costly item, and the size of the project may not warrant field testing.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #31:

Question #1: Does the project include a vehicle exhaust removal system.

Response: Yes, refer to Section 111000 Vehicle Maintenance Equipment, Paragraph 2.06 for vehicle exhaust system. Also, refer to Division 23 Sections for general bay exhaust.

RFI #32:

Substitution Request: Proposed substitution for HVAC temperature controls: Andover Controls by Basix Automation, Manufactured by Tour Andover Controls.

Response: Submit evidence that the proposed alternate meets the specified intent. It should be noted specifically that a BACNET system will be required. Also, comply with the requirements of Section 230900 Instrumentation and Control for HVAC, inclusive of Paragraph 1.5 B-G.

RFI #33:

Question #1: We are unable to locate specifications for the following items:

- Aluminum Fence
- Flagpole
- Concrete Pavers

Please provide all required specifications.

Response: *Outstanding item-to be addressed by future amendment.*

RFI #34

Question #1: We are unable to locate specifications for the following items:

- Plantings
- Floor Expansion Joint Covers
- Light Tubes

Please provide all required specifications.

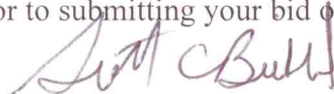
Response: *Outstanding item-to be addressed by future amendment.*

RFI #35:

Substitution Request: I am trying to get information to be able to get the Hydrotherm boiler(s) approved as an equal on the Acadia Gateway Bus Maintenance Facility. I need to know the process as well as being able to procure the necessary paperwork to complete this task.

Response: Hydrotherm is approved as an equal manufacturer. Product will be required to meet the specified intent for efficiency and operating requirements/parameters.

Consider these changes and information prior to submitting your bid on October 28, 2009.



Sincerely,
Scott Bickford
Contracts & Specifications Engineer

Substitution Request Form

Project Name:

Contractor Name:

Submittal Information

Specification Section No:

Reference Drawing:

Description of Submittal:

In submitting this request for acceptance of an item or material which deviates from the requirements of the Project Documents, the Contractor attests to the following:

1. The proposed substitution does not affect dimensions indicated on the drawings.
2. The Contractor making the request for substitution shall pay the costs of changes to the building design, including engineering design, detailing, and all additional construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse affect on other trades, the construction schedule, or specified warranty requirements.
4. Maintenance and service parts are locally available for the proposed substitution.
5. The function, appearance, and the quality of the proposed substitution are equal or superior to the specified item.

Reasons for deviation from the specified product:

Benefit to the Owner in accepting the substitution:

Difference in cost between specified product and requested substitution:

The Contractor hereby requests consideration of a submittal substitution and agrees to abide by the conditions described above.

Signed:

Date:

Print Name:

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016123.50

PROJECT(S): 016123.50

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	201.11 CLEARING	11.000 AC				
0020	203.2001 COMMON EXCAVATION - PLAN QUANTITY	22710.000 CY				
0030	203.21 ROCK EXCAVATION	150.000 CY				
0040	203.24 COMMON BORROW	9140.000 CY				
0050	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	100.000 CY				
0060	304.104 AGGREGATE SUBBASE COURSE (PLAN QUANTITY)	13100.000 CY				
0070	403.207 HOT MIX ASPHALT 19.0 MM HMA	2710.000 T				
0080	403.210 HOT MIX ASPHALT 9.5 MM HMA	1130.000 T				
0090	403.213 HOT MIX ASPHALT 12.5 MM BASE	1580.000 T				
0100	409.15 BITUMINOUS TACK COAT APPLIED	820.000 G				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016123.50

PROJECT(S): 016123.50

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	509.20 ALUMINUM ALLOY STRUCTURAL PLATE ARCH	LUMP	LUMP			
0120	603.15 12 INCH CULVERT PIPE OPTION I	40.000 LF				
0130	603.159 12 INCH CULVERT PIPE OPTION III	70.000 LF				
0140	603.179 18 INCH CULVERT PIPE OPTION III	280.000 LF				
0150	604.248 CATCH BASIN TYPE F6	1.000 EA				
0160	604.252 CATCH BASIN TYPE A5-C	1.000 EA				
0170	605.09 6" UNDERDRAIN - TYPE B	200.000 LF				
0180	606.353 REFLECTORIZED GUARDRAIL DELINEATOR POST	3.000 EA				
0190	609.11 VERTICAL CURB TYPE 1	1560.000 LF				
0200	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	430.000 LF				
0210	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	4.000 EA				

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PROJECT(S): 016123.50

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	609.50 CONCRETE BASE FOR CURBING	1990.000 LF				
0230	610.08 PLAIN RIPRAP	40.000 CY				
0240	610.46 STONE BERM LEVEL LIP SPREADER	380.000 CY				
0250	613.319 EROSION CONTROL BLANKET	1580.000 SY				
0260	615.07 LOAM	950.000 CY				
0270	618.1401 SEEDING - METHOD #2, PLAN QUANTITY	160.000 UN				
0280	618.143 SPECIAL SEED MIX:	20.000 UN				
0290	619.1201 MULCH - PLAN QUANTITY	160.000 UN				
0300	620.58 NON WOVEN GEOTEXTILE	830.000 SY				
0310	621.01 EVERGREEN TREES (8 INCH - 12 INCH)	450.000 EA				
0320	621.025 EVERGREEN TREES (3 FOOT - 4 FOOT) GROUP A	12.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	621.026 EVERGREEN TREES (3 FOOT - 4 FOOT) GROUP B	45.000 EA				
0340	621.038 EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP B	15.000 EA				
0350	621.043 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP A	18.000 EA				
0360	621.044 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP B	27.000 EA				
0370	621.126 SMALL DECIDUOUS TREES (6 FOOT - 8 FOOT) GROUP A	27.000 EA				
0380	621.128 SMALL DECIDUOUS TREES (6 FOOT - 8 FOOT) GROUP C	4.000 EA				
0390	621.18 MEDIUM DECIDUOUS TREES (6 FOOT - 8 FOOT) GROUP C	6.000 EA				
0400	621.196 MEDIUM DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GROUP B	12.000 EA				
0410	621.201 MEDIUM DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP A	7.000 EA				
0420	621.203 MEDIUM DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP C	5.000 EA				
0430	621.267 LARGE DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GROUP A	11.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0440	621.269 LARGE DECIDUOUS TREE (1.75 INCH - 2 INCH CALIPER) GROUP C	6.000 EA				
0450	621.273 LARGE DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP A	13.000 EA				
0460	621.389 DWARF EVERGREENS (15 INCH - 18 INCH) GROUP A	178.000 EA				
0470	621.5312 DECIDUOUS SHRUB 10" - 12"	180.000 EA				
0480	621.54 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP A	467.000 EA				
0490	621.541 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP B	66.000 EA				
0500	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	76.000 EA				
0510	621.547 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP B	137.000 EA				
0520	621.553 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP B	62.000 EA				
0530	621.71 HERBACEOUS PERENNIALS GROUP A	72.000 EA				
0540	621.711 HERBACEOUS PERENNIALS GROUP B	72.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0550	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
0560	627.75 WHITE OR YELLOW PAVEMENT AND CURB MARKING	SF	2500.000			
0570	629.05 HAND LABOR, STRAIGHT TIME	HR	30.000			
0580	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	20.000			
0590	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	HR	40.000			
0600	652.33 DRUM	EA	15.000			
0610	652.35 CONSTRUCTION SIGNS	SF	25.000			
0620	656.75 TEMP SOIL EROS AND WATER POLL CONTROL	LUMP	LUMP			
0630	660.21 ON-THE-JOB TRAINING (BID)	HR	2000.000			
0640	801.093 2 1/2" SEWER FORCE MAIN	LF	1350.000			
0650	815.10 WELL CASING, AND GROUT DIV. 1 - SECTION 012700	LF	50.000			

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			DOLLARS	CTS	DOLLARS	CTS
0660	815.11 WELL DRILLING - INCL. WATER PIPE, ELECTRICAL WIRE, AND SUPPORT CABLE DIV. 1 - SECTION 012700	300.000 LF				
0670	DIV. 1 MOBILIZATION / DEMOBILIZATION GEN. CONDITIONS	LUMP	LUMP			
0680	DIV. 1 MOBILIZATION / DEMOBILIZATION GEN. CONDITIONS - SECTION 332100 - NEW WATER WELL AND PIPING	LUMP	LUMP			
0690	DIV. 10 SPECIALTIES	LUMP	LUMP			
0700	DIV. 10 SPECIALTIES ALLOWANCE - SIGNAGE COST	\$6,000	\$6,000		\$6,000	
0710	DIV. 10 SPECIALTIES ALLOWANCE - STORAGE EQUIPMENT COST	\$60,000	\$60,000		\$60,000	
0720	DIV. 11 EQUIPMENT ALLOWANCE- VECHICLE MAINT. EQUIPMENT	\$140,000	\$140,000		\$140,000	
0730	DIV. 11 EQUIPMENT TOOTHLESS RECYCLED WATER BUS WASH SYSTEM	LUMP	LUMP			
0740	DIV. 12 FURNISHINGS ALLOWANCE - SECTION 123200 FURNISHINGS	\$100,000	\$100,000		\$100,000	
0750	DIV. 14 CONVEYING EQUIPMENT	LUMP	LUMP			

SCHEDULE OF ITEMS

REVISED:

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PROJECT(S): 016123.50

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0760	DIV. 21 FIRE SUPPRESSION	LUMP	LUMP			
0770	DIV. 22 PLUMBING	LUMP	LUMP			
0780	DIV. 23 HVAC	LUMP	LUMP			
0790	DIV. 26 ELECTRICAL	LUMP	LUMP			
0800	DIV. 26 ELECTRICAL ALLOWANCE - ELECTRICAL UTILITY CONST.	LUMP	LUMP			
0810	DIV. 26 ELECTRICAL ALLOWANCE - TELEPHONE UTILITY CONST.	LUMP	LUMP			
0820	DIV. 3 CONCRETE	LUMP	LUMP			
0830	DIV. 31 EARTHWORK @ BLD. SITE - SEE SHEET C-101 FOR LIMITS	LUMP	LUMP			
0840	DIV. 32 EXTERIOR IMPROVEMENTS	LUMP	LUMP			
0850	DIV. 33 UTILITIES	LUMP	LUMP			
0860	DIV. 4 MASONRY	LUMP	LUMP			

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016123.50

PROJECT(S): 016123.50

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0870	DIV. 5 METALS STEEL	LUMP	LUMP			
0880	DIV. 6 WOOD & PLASTIC CARPENTRY	LUMP	LUMP			
0890	DIV. 7 THERMAL & MOISTURE PROTECTION	LUMP	LUMP			
0900	DIV. 8 DOORS & WINDOWS	LUMP	LUMP			
0910	DIV. 9 FINISHES	LUMP	LUMP			
SECTION 0001 TOTAL						.

SECTION 0002 OPTION 2

0940	DIV. 1 MOBILIZATION / DEMOBILIZATION GEN. CONDITIONS - SITE PLANS ALT. LOC. NEW WATER WELL AND PIPING	LUMP	LUMP			
SECTION 0002 TOTAL						.

SECTION 0003 OPTION 3

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016123.50

PROJECT(S): 016123.50

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0950	DIV. 7 THERMAL & MOISTURE PROTECTION THERMOPLASTIC PVC STANDING SEAM ROOF SYSTEM	LUMP	LUMP			
SECTION 0003 TOTAL						.
SECTION 0004 OPTION 4						
0930	DIV. 8 DOORS & WINDOWS INSULATED TRANSLUCENT FIBERGLASS (FRP) SANDWICH PANEL SKYLIGHT SYS.	LUMP	LUMP			
SECTION 0004 TOTAL						.
SECTION 0005 OPTION 5						
0920	DIV. 11 EQUIPMENT MOBILE LIFT SYSTEM W/ ELECTRICAL POWER INC.	LUMP	LUMP			
SECTION 0005 TOTAL						
TOTAL BID W/ALL OPTIONS						

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. 16123.50, for the New Construction of a Bus Maintenance Facility in the town of Trenton, County of Hancock, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before October 29, 2011. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002 and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

Section 0001 \$ _____

Section 0002 \$ _____

Section 0003 \$ _____

Section 0004 \$ _____

Section 0005 \$ _____

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.

3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **PIN. 16123.50 – New Construction of a Bus Maintenance Facility in the town of Trenton**, State of Maine, on which bids will be received until the time specified in the “Notice to Contractors” do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached “Schedule of Items”.

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items”, which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

_____ Date

(Signature of Legally Authorized Representative
of the Contractor)

_____ Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted for (see checked boxes):

- Section 0001
- Section 0002
- Section 0003
- Section 0004
- Section 0005

Contract Amount: _____

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

_____ Date

By: David A. Cole, Commissioner

_____ Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. 16123.50, for the New Construction of a Bus Maintenance Facility in the town of Trenton, County of Hancock, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before October 29, 2011. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002 and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

Section 0001 \$ _____

Section 0002 \$ _____

Section 0003 \$ _____

Section 0004 \$ _____

Section 0005 \$ _____

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.

3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **PIN. 16123.50 – New Construction of a Bus Maintenance Facility in the town of Trenton**, State of Maine, on which bids will be received until the time specified in the “Notice to Contractors” do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached “Schedule of Items”.

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items”, which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted for (see checked boxes):

- Section 0001
- Section 0002
- Section 0003
- Section 0004
- Section 0005

Contract Amount: _____

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David A. Cole, Commissioner

Witness

SECTION 064000 – ARCHITECTURAL WOODWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. If the Contractor discovers any ambiguity, error, omission, conflict, or discrepancy, General Conditions Section 101.3.6 Priority of Conflicting Contract Documents shall control.
 - 1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
 - 2. State of Maine Department of Transportation, "Standard Specifications," Revision December 2002, and any revisions thereto, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Miscellaneous interior standing and running trim.
 - 2. Plastic laminate Interior window sills
 - 3. Plastic-laminate cabinets with closed shelving
 - 4. Plastic-laminate cabinets and open shelving
 - 5. Plastic-laminate countertops with solid wood edging.
 - 6. Mailboxes with shelf
 - 7. Solid surface counters
 - 8. Bamboo plywood wall paneling
- B. Related Sections: Following description of work is included for reference only and shall not be presumed to be complete:
 - 1. Provision of waste management: Section 01 7419, Construction Waste Management and Disposal.
 - 2. Provision of general LEED requirements and forms: Section 01 8113, Sustainable Design and LEED Requirements.
- C. Other Related Sections include the following:
 - 1. Division 6 Section "Rough Carpentry" for furring, blocking, and other carpentry work not exposed to view.
 - 2. Division 9 Section "Painting" for priming and back-priming of interior finish carpentry.
- D. Refer to drawings for locations and configurations of Architectural Woodwork. Refer to Finish Schedule for manufacturer, description and color selections of materials.

1.3 DEFINITIONS

- A. Lumber grading agencies, and the abbreviations used to reference them, include the following:

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1. AWI: Architectural Woodwork Institute
2. NeLMA: Northeastern Lumber Manufacturers' Association.
3. NHLA: National Hardwood Lumber Association.
4. NLGA: National Lumber Grades Authority.
5. SPIB: The Southern Pine Inspection Bureau.
6. WCLIB: West Coast Lumber Inspection Bureau.
7. WWPA: Western Wood Products Association.

1.4 PERFORMANCE REQUIREMENTS

- A. Do not use composite wood and agrifiber products containing urea-formaldehyde resins. Additionally, the laminating adhesive used in fabrication of on-site and shop-applied composite wood and agrifiber assemblies must contain no added urea-formaldehyde resins.

1.5 SUBMITTALS

- A. LEED Submittals:

1. Product data indicating percentage by weight of post-consumer and pre-consumer recycled content for products having recycled content. Include a statement indicating costs for each product having recycled content. Complete "LEED Materials Documentation Sheet", section "MR4 –Credit 4.1 + 4.2 Recycled Content Products".
2. Product data indicating location of material manufacturer and extraction. Include statement indicating cost and distance from place of manufacturer and extraction to Project Site for each regionally manufactured material.
3. Complete "LEED Materials Documentation Sheet", section Credit 5.1 + 5.2 Regionally Manufactured Products".
4. Provide certificates of chain-of-custody (COC) signed by manufacturers certifying materials and products specified are made from certified wood obtained from forests certified by a Forest Stewardship Council accredited certification body. Provide invoices with the following information: each wood product identified on a line items basis; FSC products identified on a line item basis; all line items must have dollar values and; vendor COC certificate number must be shown for any item with FSC content. Include evidence mill is certified for chain-of-custody by an FSC-accredited certification body.
5. Complete "LEED Materials Documentation Sheet", section "MR7 – FSC Certified Wood Materials".
6. Provide manufacturers' product data for construction adhesives and sealants, including printed statement of VOC content and MSDS Sheets.
7. Complete "LEED Materials Documentation Sheet", section "EQ4.1 Low Emitting Materials – Adhesives and Sealants".
8. Provide manufacturers' product data for composite wood products used in the building contain no added urea-formaldehyde resins.
9. Complete "LEED Materials Documentation Sheet", section EQ4.4 Low Emitting Materials – Composite Wood and Agrifiber Products".
10. **Manufacturer's product data for Credit MR 6, Rapidly Renewable Materials, indicating that product(s) are manufactured from a rapidly renewable resource.**

- B. Shop Drawings: Submit large scale shop drawings for fabrication, installation and erection of parts of work. Describe proposed methods of installation and anchorage to adjacent structures showing sizes, types, thicknesses, connections of wood blocking and related items, including adjoining work by other trades. Provide installation templates for work installed by others. Show interfaces and relationships to work of other trades.
- C. Product Data: Submit manufacturer's printed product data, specifications, standard details, installation instructions, use limitations and recommendations for each material used. Provide certifications that materials and systems comply with specified requirements.
 - 1. For each type of process and factory-fabricated product. Indicate component materials, dimensions, profiles, textures, and colors and include construction and application details.
 - 2. Include data for wood-preservative treatment from chemical treatment manufacturer and certification by treating plant that treated materials comply with requirements. Indicate type of preservative used and net amount of preservative retained. Include chemical treatment manufacturer's written instructions for finishing treated material.
 - 3. Include data for fire-retardant treatment from chemical treatment manufacturer and certification by treating plant that treated materials comply with requirements.
 - 4. For products receiving a waterborne treatment, include statement that moisture content of treated materials was reduced to levels specified before shipment to Project site.
 - 5. Include copies of warranties from chemical treatment manufacturers for each type of treatment.
- D. Field Measurements: Take necessary field measurements before preparation of shop drawings and fabrication. Do not delay progress of the job. If field measurements are not possible prior to fabrication, allow for field cutting and fitting.
- E. Samples for Initial Selection: Manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available for each type of material indicated.
- F. 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. for lumber and 8 by 10 inches for panels.
- G. Product Certificates: Signed by manufacturers of woodwork certifying that products furnished comply with requirements.
- H. Warranty: Provide warranty against defects in workmanship for period of 2 years.

1.6 QUALITY ASSURANCE

- A. Forest Certification: For the following wood products, provide materials produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC 1.2, "Principles and Criteria":
 - 1. Interior standing and running trim.

2. Built in counters and cabinetry.

- B. Installer Qualifications: An experienced installer who has completed architectural woodwork similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Fabricator Qualifications: A firm experienced in producing architectural woodwork similar to that indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- D. Quality Standard: Unless otherwise indicated, comply with AWT's "Architectural Woodwork Quality Standards" for grades of interior architectural woodwork, construction, finishes, and other requirements.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Protect materials against weather and contact with damp or wet surfaces. Stack lumber, plywood, and other panels flat with spacers between each bundle to provide air circulation. Provide for air circulation within and around stacks and under temporary 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.

1.8 PROJECT 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 splotchy surface contamination and discoloration.
- C. Substrates: Proceed with work only when substrate construction and penetration work is complete.

PART 2 - PRODUCTS

2.1 LEED Requirements:

- A. Provide products with a minimum post-consumer recycled content of 25%, and a maximum amount possible of pre-consumer recycled content.
- B. Provide product manufactured and extracted within 500 miles of the project site.
- C. Provide wood-based materials and products produced from wood obtained from forests certified in accordance with Forest Stewardship Council's Principles and Criteria.
- D. Credit EQ 4.1: For field applications that are inside the weatherproofing system, use adhesives and sealants that comply with the South Coast Air Quality Management District (SCAQMD) Rule #1168 VOC limits, corresponding to an effective date of July 1, 2005 and rule amendment date of January 7, 2005. For aerosol adhesives, comply with Greenseal Standard 36 (GS-36) VOC Limits. Aerosol adhesives should meet Green Seal Standard GS36 Green Seal Standard for Commercial adhesives in effect on October 19, 2000.
 - a. Division 01 8113 has a partial list of VOC limits. See Standard noted for complete list."

2.2 MATERIALS, GENERAL

- A. General: Provide materials that comply with requirements of the AWI quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.
- B. Wood Species and Cut for Transparent Finish: Red oak, rift sawn or cut, Red oak, plain sawn or sliced.
- C. Wood Species for Opaque Finish: Any closed-grain hardwood.
- D. Wood Products: Comply with the following:
 - 1. Hardboard: AHA A135.4.
 - 2. Medium-Density Fiberboard: ANSI A208.2, Grade MDMD-Exterior Glue.
 - 3. Particleboard: ANSI A208.1, Grade M-2M-2-Exterior Glue
 - 4. Softwood Plywood: DOC PS 1, Medium Density Overlay.
- E. High-Pressure Decorative Laminate: NEMA LD 3, grades as required by woodwork quality standard.
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering high-pressure decorative laminates that may be incorporated into the Work.
- F. Solid Surfacing Material: Provide solid surfacing material in sizes, profiles, and configurations indicated

2.3 FIRE-RETARDANT-TREATED MATERIALS

- A. Lumber: Comply with performance requirements in AWPA C20, Interior Type A. Kiln dry after treatment to a maximum moisture content of 19 percent.
- B. Plywood: Comply with performance requirements in AWPA C27, Interior Type A. Kiln dry after treatment to a maximum moisture content of 15 percent.
- C. For exposed items indicated to receive a stained or natural finish, use chemical formulations that do not contain colorants and provide materials that do not have marks from spacer sticks on the exposed face.
- D. Do not use material that does not comply with requirements for untreated material or is warped or discolored.
- E. Identify fire-retardant-treated wood with appropriate classification marking of testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. For exposed lumber indicated to receive a stained or natural finish, mark end or back of each piece.
 - 2. For exposed plywood indicated to receive a stained or natural finish, mark back of each piece.
- F. Application: All interior lumber and plywood.

2.4 STANDING AND RUNNING TRIM

- A. Lumber Trim for Opaque Finish (Painted):
 - 1. Maximum Moisture Content: 10 percent.
 - 2. Finger Jointing: Allowed.
 - 3. Face Surface: Surfaced (smooth).
 - 4. Optional Material: Primed MDF of same actual dimensions as lumber indicated may be used in lieu of lumber.
- B. Moldings for Opaque Finish (Painted): Made to patterns included in WMMPA WM 12.
 - 1. Softwood Moldings: WMMPA WM 4, P-grade.
 - 2. Optional Material: Primed MDF.
 - 3. Finger Jointing: Allowed.

2.5 PLASTIC-LAMINATE CASEWORK

- A. Refer to drawings, including Finish Schedule for location and configuration of plastic-laminate casework.
- B. Quality Standard: Provide AWI Custom Grade materials and workmanship. Provide exposed facing materials as follows:
 - 1. Provide vertical grade high pressure laminate for both sides of swing doors, drawer fronts, and all exposed cabinet ends.

2. Color, Texture and pattern as selected by the Architect.
- C. Basis-Of-Design: Provide plastic laminate materials equal to Wilsonart "High Wear" Laminate, that meet or exceed specified requirements.
- D. Provide laminate complying with NEMA LD3, and the following:
1. General Purpose (HGS) Type, Wilsonart High Wear 107HW, for horizontal surfaces.
 2. Vertical Surface (VGS) Type, Wilsonart High Wear 335HW, for vertical surfaces.
 3. Postforming (HGP) Type, Wilsonart High wear 350HW, on vertical and horizontal surfaces where it is necessary or desirable to roll laminate on a simple radius over the edge of the substrate.
- E. Preparation for Related Work: Prepare casework for all related electrical, telephone, mechanical and plumbing work.
- F. Cabinets and Casework: Provide casework matching elevations and details indicated. Provide cabinets having the following features and characteristics:
1. Construction/Style: Provide AWI Flush Overlay or WIC Style A-Frameless construction with flush doors and drawer fronts, unless otherwise detailed. Provide cabinets with fully finished exposed interior and exterior surfaces. Provide grey melamine interiors for cabinets, shelves, and drawers.
 2. Doors: Provide minimum 3/4 in. Sierra Pine Medite II MDF with both faces laminated to core. Provide laminate self-edge on all four edges.
 3. Drawers: Provide one-piece cabinet drawers with applied drawer fronts.
 4. Cabinet Backs: Provide 1/4 in. thick hardboard with melamine on exposed interior surfaces grooved into ends and locked into place with minimum 1/2 in. x 3-1/2 in. stretcher rails on wall cabinets and minimum 1/2 in. x 6-1/2 in. stretcher rails on base cabinets.
 5. Cabinet Tops and Bottoms: Provide minimum 3/4 in. Sierra Pine Medite II MDF.
 6. Cabinet Ends: Provide minimum 3/4 in. Sierra Pine Medite II MDF with melamine on exposed interior surfaces, and with exposed exterior surfaces laminated to core.
 7. Dust Panels: Provide dust panels in all work.
 8. Casework Joinery: Do not use any exposed fasteners, including finish nails or staples.
- G. Plastic Laminate Casework Hardware: Provide the following or Architect approved equal:
1. Hinges: European style, concealed, frameless, self-closing type as manufactured by Hafele, or equal manufactured by Blum. Provide at least two hinges per door leaf.
 2. Continuous Piano Hinges: Provide continuous stainless steel piano hinges as manufactured by Munroe Engineering, Rockler, Blum; or approved equal.
 3. Drawer and Door Pulls: Provide stainless steel wire pull, 4 in. unless otherwise indicated, manufactured by Stanley, or equal manufactured by Blum or Hafele.
 4. Drawer Slides: 75 lb. Accuride C3800, or equal manufactured by Blum or

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- Hafele.
5. Door Silencers: Glynn Johnson GJ-65, or equal manufactured by Blum or Hafele. Provide resilient pads to silence door and drawer closing.
 6. Locks: 5 pin tumbler cylinder locks on drawers and doors.
 7. Magnetic Holds: Provide magnetic holds as manufactured by Ives, or approved equal.
 8. Grommets: Provide grommets as manufactured by Doug Mockett, or approved equal.
 9. Hardware Finish: Satin Stainless Steel.

2.06 SOLID SURFACING MATERIAL

- A. Manufacturers: Provide one of the following solid surfacing materials, or Architect approved equal:
 1. Corian; Du Pont Company, Wilmington, DE 19898
 2. Fountainhead; Nevamar Corporation; Odenton, MD 21113.
 3. Surell; Formica Corporation, Cincinnati, OH 45241.
- B. Scope: Solid surfacing work includes, but is not limited to:
 1. Countertops and vanities.
- C. Provide solid surfacing material in sizes, profiles, and configurations indicated on Drawings. Color shall be standard color selected by Architect. Thickness shall be as indicated on Drawings.

2.07 BAMBOO PLYWOOD PANELING

- A. Refer to drawings, including Finish Schedule for location and configuration of plastic-laminate bamboo plywood paneling.
- B. Basis-OF-Design: Provide bamboo plywood paneling equal to PLYBOO, by Smith & Fong Company, San Francisco, California, or equal that meet or exceed specified requirements.
- C. Species: Moso (*Phyllostachys Pubescens*)
- D. Type: 1/2 inch thick, 3-ply natural flat grain
- E. Accessories: Edge banding, 7/8 inch width by 0.6 millimeters thickness by 500 inch length roll by natural edge grain.

2.6 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. Glue: Aliphatic-resin, polyurethane, or resorcinol wood glue recommended by manufacturer for general carpentry use.
- C. Multipurpose Construction Adhesive: Formulation complying with ASTM D 3498 that is recommended for indicated use by adhesive manufacturer.
- D. VOC limit is that for multipurpose construction adhesives in South Coast Air Quality Management District Rule #1168.

2.7 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.
- B. Ease edges of lumber less than **1 inch** in nominal thickness to **1/16-inch** radius and edges of lumber **1 inch** or more in nominal thickness to **1/8-inch** radius.
- C. Where practical, work shall be finished and assembled at architectural millwork shop.
- D. Work shall be finished smooth and free of machine or tool marks that will telescope through finish.

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. Condition woodwork to average prevailing humidity conditions in installation areas before installation.
- C. Before installing architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.
- D. 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.

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3.3 INSTALLATION, GENERAL

- A. Do not use materials that are unsound, warped, improperly treated or finished, inadequately seasoned, or too small to fabricate with proper jointing arrangements.
 - 1. Do not use manufactured units 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. Countersink fasteners, fill surface flush, and sand where face fastening is unavoidable.
 - 3. Install to tolerance of **1/8 inch in 96 inches** for level and plumb. Install adjoining interior finish carpentry with **1/32-inch** maximum offset for flush installation and **1/16-inch** 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** long, except where necessary. Stagger joints in adjacent and related standing and running trim. Cope at returns and miter at corners to produce tight-fitting joints with full-surface contact throughout length of joint. Use scarf joints for end-to-end joints. Plane backs of casings to provide uniform thickness across joints where necessary for alignment.
 - 1. Install trim after gypsum board joint finishing operations are completed.

3.05 CASEWORK AND PANELING INSTALLATION

- A. Quality Standard: Install woodwork to comply with AWI
- B. Delete paragraph above or below. Revise if installation grade is different.
- C. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of **1/8 inch in 96 inches**.
- D. Scribe and cut woodwork to fit adjoining work, and refinish cut surfaces and repair damaged finish at cuts.
- E. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails [or finishing screws] for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.

ARCHITECTURAL WOODWORK

064000- 10

F. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.

1. Install cabinets with no more than **1/8 inch in 96-inch (3 mm in 2400-mm)** sag, bow, or other variation from a straight line.

G. Fasten wall cabinets through back, near top and bottom, at ends and not more than **16 inches** o.c. through corner blocks of base cabinets or other supports into underside of countertop.

1. Align adjacent solid-surfacing-material countertops and form seams to comply with manufacturer's written recommendations using adhesive in color to match countertop. Carefully dress joints smooth, remove surface scratches, and clean entire surface.

2. Install countertops with no more than **1/8 inch in 96-inch** sag, bow, or other variation from a straight line.

3. Secure backsplashes to tops with concealed metal brackets at **16 inches** o.c. and to walls with adhesive.

4. Caulk space between backsplash and wall with sealant.

H. Complete the finishing work specified in this Section to extent not completed at shop or before installation of woodwork. Fill nail holes with matching filler where exposed. Apply specified finish coats, including stains and paste fillers if any, to exposed surfaces where only sealer/prime coats were applied in shop.

3.06 ADJUSTING

B. 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.

3.5 CLEANING

A. Clean interior finish carpentry on exposed and semi-exposed surfaces. Touch up factory-applied finishes to restore damaged or soiled areas.

3.6 PROTECTION

A. Protect installed products from damage from weather and other causes during remainder of the construction period.

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.

END OF SECTION 064000

SECTION 096500 - RESILIENT FLOORING

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. If the Contractor discovers any ambiguity, error, omission, conflict, or discrepancy, General Conditions Section 101.3.6 Priority of Conflicting Contract Documents shall control.
 - 1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
 - 2. State of Maine Department of Transportation, “Standard Specifications,” Revision December 2002, and any revisions thereto, apply to this Section.

1.02 SUMMARY

- A. Provide resilient flooring, base and related items, as indicated on the Drawings and as specified herein. Work of this Section includes, but is not limited to:
 - 1. Rubber flooring and Heterogeneous PVC plank flooring
 - 2. Rubber base at walls adjacent to where carpeting and rubber flooring will be installed and the finish walls are either painted gypsum board or painted concrete masonry units. Rubber base is not required where finish walls are glazed concrete masonry units.
- B. Related Sections: Following description of work is included for reference only and shall not be presumed to be complete:
 - 1. Provision of waste management: Section 01 7419, Construction Waste Management and Disposal.
 - 2. Provision of general LEED requirements and forms: Section 01 8113, Sustainable Design and LEED Requirements.
- C. Other Related Sections include the following:
 - 1. Section 09 30 13, “Ceramic Tile.”
 - 2. Section 09 68 00, “Carpeting.”
 - 3. Section 033000, “Cast-in-Place Concrete”

1.03 SUBMITTALS

- A. LEED Submittals:
 - 1. Product data indicating percentage by weight of post-consumer and pre-consumer recycled content for products having recycled content. Include a statement indicating costs for each product having recycled content.
 - 2. Complete "LEED Materials Documentation Sheet", section "MR4 –Credit 4.1 + 4.2 Recycled Content Products”.

RESILIENT FLOORING

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3. Product data indicating location of material manufacturer and extraction. Include statement indicating cost and distance from place of manufacturer and extraction to Project Site for each regionally manufactured material.
 4. Complete "LEED Materials Documentation Sheet", section Credit 5.1 + 5.2 Regionally Manufactured Products".
 5. Provide manufacturers' product data for construction adhesives and sealants, including printed statement of VOC content and MSDS Sheets.
 6. Complete "LEED Materials Documentation Sheet", section "EQ4.1 Low Emitting Materials – Adhesives and Sealants".
- B. Product Data: Submit manufacturer's printed product data, specifications, standard details, installation instructions, use limitations and recommendations for each material used. Provide certifications that materials and systems comply with specified requirements.
- C. Selection Samples: Submit samples showing complete range of colors, textures, and finishes available for each material used.

1.04 QUALITY ASSURANCE

- A. Fire Performance Characteristics: Provide resilient floor tile and base with the following fire performance characteristics as determined by testing products per ASTM test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.
1. Critical Radiant Flux: 0.45 watts per sq. cm or more per ASTM E 648.
 2. Smoke Density: Less than 450 per ASTM E 662.

1.05 COORDINATION

- A. Coordinate work of this Section with work of other Sections affecting, or affected by, this work, as necessary to ensure completion of work of the Contract on schedule.

PART 2 - PRODUCTS

2.01 LEED Requirements:

- A. Provide products with a minimum post-consumer recycled content of 50%, and a maximum amount possible of pre-consumer recycled content.
- B. Credit EQ 4.1: For field applications that are inside the weatherproofing system, use adhesives and sealants that comply with the South Coast Air Quality Management District (SCAQMD) Rule #1168 VOC limits, corresponding to an effective date of July 1, 2005 and rule amendment date of January 7, 2005. For aerosol adhesives, comply with Green Seal Standard 36 (GS-36) VOC Limits. Aerosol adhesives should meet Green Seal Standard GS36 Green Seal Standard for Commercial adhesives in effect on October 19, 2000.
1. Division 01 8113 has a partial list of VOC limits. See Standard noted for complete list.

2.02 RUBBER FLOORING

- A. Manufacturer – Nora Systems, Inc. 94 Glenn Street, Lawrence, MA 01843 Telephone: (800) 332-NORA, (978) 689-0530; Fax: (978) 975-0110, or approved equal.

Floor products shall be:

1. Norament #986 Luxor, color #4900 Basilica, (RBTL-02
 - a. Limited Wear Warranty: 10 Years
 - b. Static Load, 800 lb/in² (ASTM F970): less than 0.005 in.
 - c. Static Coefficient of Friction (ASTM 2047): greater than 0.5
 - d. Chemical Resistance (ASTM F925):
 - (1) 5% Acetic Acid: No Change
 - (2) 70% Isopropyl Alcohol: No Change
 - (3) 5% Sodium Hydroxide: No Change
 - (4) 5% Hydrochloric Acid: No Change
 - (5) 5% Ammonia: No Change
 - (6) Bleach: No Change
 - (7) 5% Phenol: No Change
 - (8) Sulfuric Acid: No Change
 - e. NBS Smoke Density ASTM E-662: <450
 - f. Tunnel Test ASTM E-84
 - g. CA 01350 Compliant: Yes
 - h. Greenguard Indoor Air Quality Certified: Yes

2.03 HETEROGENEOUS PVC PLANK FLOORING

- A. Manufacturer – International Floors of America, Inc., 1701 Mars Hill Road, Florence, AL 35630 Telephone: (256) 767-4990, Fax: (256) 760-1763.

Floor products shall be:

1. Centiva, Good Ole Woods, Color: HY-GW-40, RU Surface, SE Edge
 - 1 Plank Size: 6” x 36”
 - 2 Color: HY-GW-40 (or equal)
 - 3 Product Testing:
 - a. Performance Classification (ASTM F1700): Class III Solid Vinyl
 - b. Flexibility, 1/4 inch mandrel (ASTM F137): passes
 - c. Static Load, 400 lb/in² (ASTM F970): less than 0.005 in.
 - d. Coefficient of Friction (ASTM 2047): passes
 - e. Chemical Resistance (ASTM F925): Excellent
 - f. Residual Indentation, (ASTM F1914): Excellent
 - g. Abrasion (ASTM D 3884): Excellent
 - h. Castor Chair Suitability: (ITTS 205): Very Good
 - i. Color Fastness: (ASTM E 1515): Very Good
 - j. Smoke Density (ASTM E 662): <450; Good

2.02 RUBBER BASE

- A. Rubber base shall be straight base where adjacent to carpeting and cove base adjacent to rubber flooring manufactured by Nora Systems Inc, Roppe or approved equal. Provide heat formed inside and outside corner pieces as necessary.
- B. Bases shall be 4” high and 1/8” thick. Colors shall be selected from manufacturer’s standard colors.

RESILIENT FLOORING

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2.03 ADHESIVES

- A. Adhesives shall be type and brand recommended by manufacturer for each of the various conditions. Where manufacturer lists more than one recommended adhesive, manufacturer's "preferred choice" shall be used.

PART 3 - EXECUTION

3.01 RESILIENT FLOORING INSTALLATION

- A. Inspect surface to which flooring is to be installed to ensure surface finish and installation is suitable for rubber flooring installation. If surface requires changes to make it suitable, inform Owner's Representative of problems before flooring installation commences.
- B. Install resilient flooring in manner to ensure uniform positive contact with sub-surface, and to produce finished surfaces which are smooth, even, and in true planes, free of buckles, waves, and other imperfections. Store and use adhesive in accordance with manufacturer's printed instructions.

3.02 RESILIENT BASE INSTALLATION

- A. Install resilient base in manner to ensure uniform positive contact with sub-surface, and to produce finished surfaces which are smooth, even, and in true planes, free of buckles, waves, and other imperfections. Store and use adhesive in accordance with manufacturer's printed instructions.

3.03 PROTECTION

- A. Protection: Protect installed product and finish surfaces from damage during construction.

3.04 CLEANING

- A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner Representative's acceptance. Remove construction debris from project site and legally dispose of debris.

END OF SECTION 096500

DATE:

SECTION 123200 - FURNITURE

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. If the Contractor discovers any ambiguity, error, omission, conflict, or discrepancy, General Conditions Section 101.3.6 Priority of Conflicting Contract Documents shall control.
 - 1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
 - 2. State of Maine Department of Transportation, "Standard Specifications," Revision December 2002, and any revisions thereto, apply to this Section.

1.02 DESCRIPTION OF WORK

- A. Provide furniture as specified herein. Extent, location and details of furniture are indicated on drawings and in schedules. of work is included for reference only and shall not be presumed to be complete:

1.03 PERFORMANCE REQUIREMENTS

- A. Do not use composite wood and agrifiber products containing urea-formaldehyde resins. Additionally, the laminating adhesive used in fabrication of on-site and shop-applied composite wood and agrifiber assemblies must contain no added urea-formaldehyde resins.

1.04 SUBMITTALS

- A. LEED Submittals:
 - 1. Product data indicating percentage by weight of post-consumer and pre-consumer recycled content for products having recycled content. Include a statement indicating costs for each product having recycled content. Complete "LEED Materials Documentation Sheet", section "MR4 –Credit 4.1 + 4.2 Recycled Content Products".
 - 2. Product data indicating location of material manufacturer and extraction. Include statement indicating cost and distance from place of manufacturer and extraction to Project Site for each regionally manufactured material.
 - 3. Complete "LEED Materials Documentation Sheet", section Credit 5.1 + 5.2 Regionally Manufactured Products".
 - 4. Provide certificates of chain-of-custody (COC) signed by manufacturers certifying materials and products specified are made from certified wood obtained from forests certified by a Forest Stewardship Council accredited certification body. Provide invoices with the following information: each wood product identified on a line items basis; FSC products identified on a line item basis; all line items must have dollar values and; vendor COC certificate number must be shown for any item with FSC content. Include evidence mill is certified for chain-of-custody by an FSC-accredited certification body.
 - 5. Complete "LEED Materials Documentation Sheet", section "MR7 – FSC Certified Wood Materials".
 - 6. Provide manufacturers' product data for construction adhesives and sealants, including printed statement of VOC content and MSDS Sheets.

FURNITURE

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7. Complete "LEED Materials Documentation Sheet", section "EQ4.1 Low Emitting Materials – Adhesives and Sealants".
 8. Provide manufacturers' product data for composite wood products used in the building contain no added urea formaldehyde resins.
 9. Complete "LEED Materials Documentation Sheet", section EQ4.4 Low Emitting Materials – Composite Wood and Agrifiber Products".
- B. Product Data: Submit manufacturer's product literature and installation instructions for each type of component and installation accessory specified. Include methods of installation for each type of special connection condition appearing on the drawings. Provide written data on structural capabilities of all load carrying components.
 - C. Maintenance Data: Include necessary data for maintenance of furniture in a Maintenance Manual.
 - D. Shop Drawings: Submit shop drawings showing details and dimensions of all special components which are not fully detailed and dimensioned in manufacturers literature. Include typical elevations of all special; conditions. Provide details of all connections which are not standard. Submit detail drawings of wire management systems and wiring provisions. Submit drawings and schedules showing component locations.
 - E. Samples for Initial Selection: Manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available for each type of material indicated.
 - F. Samples for Verification Purposes: Submit the following samples, prepared from same material to be used for this work.
 1. 12" square samples of each panel type required.
 2. 12" square samples of each paint finish required.
 3. 12" square of each wood finish required.
 - G. Product Certificates: Signed by manufacturers of furniture certifying that products furnished comply with requirements.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed architectural woodwork similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Fabricator Qualifications: A firm experienced in manufacturing furniture similar to that indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Comply with instructions and recommendations of manufacturer for special delivery, storage and handling requirements.

1.07 SEQUENCING AND SCHEDULING

- A. Sequence furniture installation with other work to minimize possibility of damage and soiling during remainder of construction period.

1.08 MAINTENANCE

- A. Supply a book for owner compiling all furniture maintenance material from manufacturers.

PART 2 - PRODUCTS

2.01 LEED Requirements:

- A. Provide products with a minimum post-consumer recycled content of 25%, and a minimum pre-consumer recycled content of 75%.
- B. Provide product manufactured and extracted within 500 miles of the project site.
- C. Provide wood-based materials and products produced from wood obtained from forests certified in accordance with Forest Stewardship Council's Principles and Criteria.
- D. Credit EQ 4.1: For field applications that are inside the weatherproofing system, use adhesives and sealants that comply with the South Coast Air Quality Management District (SCAQMD) Rule #1168 VOC limits, corresponding to an effective date of July 1, 2005 and rule amendment date of January 7, 2005. For aerosol adhesives, comply with Greenseal Standard 36 (GS-36) VOC Limits. Aerosol adhesives should meet Green Seal Standard GS36 Green Seal Standard for Commercial adhesives in effect on October 19, 2000.

1. Division 01 8113 has a partial list of VOC limits. See Standard noted for complete list.

2.02 FURNITURE

- A. Refer to the following Furniture Schedule:

ITEM CODE:	<input type="text" value="B-1"/>	ROOM #	<input type="text" value="Lobby 101"/>
ITEM:	<input type="text" value="Lobby Benches"/>		
MANUFACTURER:	<input type="text" value="Davis"/>		
MANUFACTURER MODEL NUMBER:	<input type="text" value="PA-7003-MM-SC
PA-
7102"/>		

FURNITURE

123200- 3

DIMENSIONS: 94 1/2" w x 24 13/32" d x 17 1/2" h

DESCRIPTION: 3-module pallet bench with maple platform and satin chrome legs PA-7003

(3) PA-7102 Armless cushion

FINISH: Maple platform and satin chrome legs

FABRIC: Seat Back: Maharam, Pattern Offset # 465951
Color # 003 Coast
Content: 40% Cotton, 36% Nylon, 24% Wool
Seat: Maharam Article #458600, 013
Flume
Content: 100%
Vinyl

CONTACT: Contract Sources - (617) 951-2511
(Davis)
Barabara Canavan - (617) 236-8622 (Maharam)

COMMENTS: Location: Lobby #101
Quantity: 2

ITEM CODE: DK-1 **ROOM #** Operation Ast. 113

ITEM: Desk with Support Pedestal

MANUFACTURER: Watson Desking

MANUFACTURER MODEL NUMBER: MTWEG2078L-M-N2-WA-WA (desk)
MS5612815NS-L-SP-WA-N2 (ped)
ML5502029N Support Legs

FURNITURE

123200- 4

DIMENSIONS: 78" w x 20"-28" d

DESCRIPTION: Miro Viga wedge table desk with 15" wide 3-drawer locking fixed pedestal pedestal

FINISH: White Aluminum Powder coat finish, N2 Natural Cane drawer fronts and desk top

CONTACT: Creative Office Pavillion (207) 775-7100

COMMENTS: Location: Room #113
Quantity: 1
DK-1 consists of desk and storage pedestal

ITEM CODE: DK-2

ITEM: Desk with extension & storage

MANUFACTURER: Watson Desking

MANUFACTURER MODEL NUMBER: MTLPB4872RM-N2-WA-WA (DESK)
MS5012030-NS-L-SP-WA-N2 (STORAGE)
MS5612815NS/L/SP/WA/N2 (STORAGE)

DIMENSIONS: 48" X 72"

DESCRIPTION: Miro Viga extended primary 36, right hand
4-8-12, 15"wide pedl, 4-8-12 30" wide
ped

FINISH: White Aluminum bridge leg, N2 Natural cane desktop
and drawer fronts

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Location: Room 113
Accounting
Quantity: 1
Consists of desk w/ 2 storage units

ITEM CODE: C-2

ITEM: Guest Chair

MANUFACTURER: Herman Miller

**MANUFACTURER
MODEL NUMBER:** AD10UB-FR-MA-SG-MS

DIMENSIONS: 22 1/2" w x 17" d x 31 5/8" h

DESCRIPTION: Aside Guest Chair
with upholstered outerback, flame retardancy,
metal
arms, glide with insert for carpet, metallic silver
frame finish

FINISH: ms - Metallic silver

FURNITURE

123200- 6

FABRIC: Herman Miller
Pattern: Square
Peg
Color: Silver Coin #3B04
Content: 100% recycled polyester

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Rooms: 132, 110, 113, 116
Quantity: 10

ITEM CODE: C-1

ITEM: Office Desk Chair

MANUFACTURER: Herman Miller

MANUFACTURER MODEL NUMBER: MR1-2-1-A-A-F-FR-N2

DIMENSIONS: Standard Height Range

DESCRIPTION: Mirra Work Chair

FINISH: G1 Graphite base & frame
C7 Casters for carpet. G1 Back finish, BK, Black
armpad finish

FABRIC: Herman Miller Textiles
AireWeave, Graphite # 3Q11
Triflex polymer back: ZR
Shadow

CONTACT: Creative Office Pavillion
(207) 775-7100

FURNITURE

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COMMENTS:

Rooms: 116, 113, 110, 132
Quantity: 5 Total

ITEM CODE:

DK-3

ITEM:

Open workstations

MANUFACTURER:

Watson Desking

**MANUFACTURER
MODEL NUMBER:**

Overheads: MS6047515N 2450 L SP WA N2
Desks: MTVR8472R (L)-MS-X-N2-WA-WA , MTLA4884R (L)
MTLPA4872R (L)
MS5612815N (4), MS5622015N (4), MS5032030n (2)
Modesty Panels:
MAMOD1342

DIMENSIONS:

Desk Mount Screens: MAPRS1972N1

DESCRIPTION:

M2 Verve 30
(2) RH & (2) LH work surfaces
Modesty panels and screens at front stations (4/4)
Leg and pedestal supported surfaces

FINISH:

WA white Aluminum legs and cases, N2 Natural
Cane
tops and cabinet faces

FABRIC:

modesty panel: Acrylic
Screens: Fabric

CONTACT:

Ritz Associates:(617) 439-
0800

FURNITURE

123200- 8

COMMENTS: Location: Open Office #111
Quantity:

ITEM CODE: T-1

ITEM: Sm. Conf. Table

MANUFACTURER: Watson Desking

MANUFACTURER MODEL NUMBER: XOR4242D N2DV

DIMENSIONS: 42 x 42

DESCRIPTION: Orbitol Shaped table top with fender edge & Vibe base.

FINISH: White aluminum finish on metal, N2 top.

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Location: General Manager,
#110
Quantity: 1

ITEM CODE: T-2

ITEM: Conference Room Table

MANUFACTURER: Herman Miller

MANUFACTURER MODEL NUMBER: Eames oval segmented base table
ET157C

DIMENSIONS: 108" x 54" x 28.5" Oval

DESCRIPTION: Eames, Oval conference table
With Recut Veneer top and vinyl edge

FINISH: (RA) Light Ash(SG) Slate grey edge
(MS) Metallic silver Base

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Location: Conference Room #109
Quantity: 1

ITEM CODE: C-3

ITEM: Conference room chairs

MANUFACTURER: Herman Miller

MANUFACTURER MODEL NUMBER: MR1-2-1AAF-FRN2-G1-BB-G1-BK

DIMENSIONS: 17" sd x27" w x42 3/4" h

DESCRIPTION: Mirra standard height work chair with Latitude Back Upholstery

FABRIC: Back: Herman Miller Textiles, Latitude #8M14 True Red
Seat: Herman Miller Textiles AireWeave, Graphite #3Q11

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS:

Quantity: 10
Location: Conference Room
#109

ITEM CODE:

ST-1

ITEM:

Bar
Stool

MANUFACTURER:

Emeco Counter Stool

**MANUFACTURER
MODEL NUMBER:**

Emeco #20-06

DIMENSIONS:

24" h x 13.8" w x 14" d x 24" seat heoght

DESCRIPTION:

Emeco 20-60 Counter Stool

FINISH:

Brushed Aluminum

CONTACT:

SL Group - Sandy Lichlyter
46 Waltham Street, Boston, MA (617) 799-1589

COMMENTS:

Quantity: 4
Location: Break Room #207

FURNITURE

123200- 12

ITEM CODE: C-4

ITEM: Task chair

MANUFACTURER: Herman Miller

MANUFACTURER MODEL NUMBER: RE20ABB/BK/BK
with Price category 3

DIMENSIONS: 20 1/2" w x 16 3/4" d x 36 - 44"
h

DESCRIPTION: Reaction work chair

FINISH: Black frame and arms

FABRIC: Herman Miller Textiles
AireWeave
Graphite #3Q11

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: 117,
Location: 111
Quantity: 6

ITEM CODE: LC-1

ITEM: Lounge Chair

MANUFACTURER: Jack Cartwright

**MANUFACTURER
MODEL NUMBER:** Kelly Series
#20/965

DIMENSIONS: 30" w x 32" d x 31"
h

DESCRIPTION: Kelly Arm Chair

FINISH: Polished Chrome base

FABRIC: Maharam
Pattern: Maedium, #463490
Color: #012
Pumpkin
Content: 100% Polyester
Contact: Barbara Canavan: (617)236-
8622

FURNITURE

123200- 14

CONTACT: McKearny Assoc., 850 Summer St. Boston, MA
02127
(617) 269-7600

COMMENTS: Quantity: 2
Location: Break Room #207

ITEM CODE: T-3

ITEM: Side Table

MANUFACTURER: Prismatic

**MANUFACTURER
MODEL NUMBER:** #212 Double Bar Parsons
Table
212-
2422

DIMENSIONS: 24" x 24" x 22"h

DESCRIPTION: 1" square steel base with 3/4" wood veneer top

CONTACT: SL Group - Sandy Lichlyter
46 Waltham Street, Boston, MA (617) 799-1589

COMMENTS: Location: Break Room #207
Quantity: 2

ITEM CODE: DK-5

ITEM: Dorm Desk

MANUFACTURER: Adden Furniture

MANUFACTURER MODEL NUMBER: GC05

DIMENSIONS: 24.5" d x 44" w x 29.75" h

DESCRIPTION: Desk with 3 drawers

FINISH: Maple wood, natural finish

CONTACT: Jeff Murray, Adden Furniture
26 Jackson St., Lowell, MA 01852

COMMENTS: Location: 209, 210
Quantity: 2

ITEM CODE: BD-1

ITEM: Bunk Beds

MANUFACTURER: Adden Furniture

MANUFACTURER MODEL NUMBER: #GC07TRK

DIMENSIONS: 38" d x 85" w x 37.5" h

DESCRIPTION: Graduate series bunk bed with mattresses and all support for two beds per room, stacked.

FINISH: Maple wood, natural finish

CONTACT: Jeff Murray, Adden Furniture
26 Jackson Street, Lowell, MA 01852

COMMENTS: Location: 209, 210
Quantity: 2 bunk beds, 4 beds total

ITEM CODE:	T-4
ITEM:	Café Table
MANUFACTURER:	Allermuir
MANUFACTURER MODEL NUMBER:	A47/99
DIMENSIONS:	36" x 36" x 29"
DESCRIPTION:	Square laminate table with chrome pedestal base
FINISH:	Laminate top: C047 chene wenge Bright Chrome Base
CONTACT:	GP Marketing, PO Box 171 West Boxford, MA 01885 (978) 352-4447
COMMENTS:	Location: Break Room # 207 Quantity: 2

ITEM CODE: DK-6

ITEM: Desk & storage

MANUFACTURER: Watson Desking

MANUFACTURER MODEL NUMBER: Desk: MDREC3672N-QS-M-N2-WA-WA
Ped: MS5052815N-S-L-SP-WA-N2

DIMENSIONS: Desk: 72" X36" Ped: 15" w

DESCRIPTION: Miro rectangular table with 3- drawer fixed support pedestal

FINISH: White Aluminum powder coat finish
N2 natural cane top and drawer fronts

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Location: Maintenance office #132
Quantity: 1

ITEM CODE: DK-4

ITEM: General Mgr. Desk & storage

MANUFACTURER: Watson Desking

DESCRIPTION:
Miro Wedge Desk
MTWEG2872LQSM/N@/WA/WA,MLS503629N
Single door support: MS5672030N-L-S-N-NN-WA-N2
Display Tower:MS4311575N-S-SP-WA-N2-N2
(2) 4.8.12 DRAWER: MS5012030N-S-N-SP-WA-N2
2 DOOR 30: MS5032030N-S-N-SP-WA-N2

FINISH: WA Aluminum legs and cases, N2 Cane tops and cabinet faces

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Location: General Mgr Office #110
Quantity: 1

ITEM CODE: C-5

ITEM: Dining Chair

MANUFACTURER: Allermuir

MANUFACTURER MODEL NUMBER: A760

DIMENSIONS: 482 w x 540 d x 800 h

DESCRIPTION: Aura, Armless chair with plastic seat and back

FINISH: Polished chrome frame with orange/cream seat & back
Standard Orange: RAL2000 (8) RAL #1013 Cream (2)

CONTACT: GP Marketing, PO Box 171
West Boxford, MA 01885, (978) 352-4447

COMMENTS: Location: Break Room #207, Bunk Rooms 209, 210
Quantity: 10 total

FURNITURE

123200- 21

ITEM CODE: DK-7 Note Plan call this a DK-6 also

ITEM: Desk & storage

MANUFACTURER: Watson Desking

DESCRIPTION: Miro Extended Primaries #MTLPB4872-LQS-M-N2-WA
MTLPA4572-RQS-M-N2-WA
(2) Display Tower:MS4311575N-S-SP-WA-N2-N2
(1) 4.8.12 DRAWER: MS5612830N-S-N-SP-WA-N2
DUAL 4.8.12: MS5612030N-S-N-SP-WA-N2

FINISH: WA Aluminum legs and cases, N2 Natural Cane tops and cabinet faces

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Location: Operations #116
Quantity: 1

ITEM CODE: DK-8

ITEM: Desk & storage

MANUFACTURER: Watson Desking

MANUFACTURER MODEL NUMBER: Desk: MT8460R-QS-M-N2-WAWA
Storage: MS556128NS-LSPWA-N2 (2), MS5612030N-S-L-SPWA-N2
Storage: MS5012030N-S-L-SPWA-N2
Table: MTWEG2872N/NS-M-N2-WAWA, MLS502029N

DESCRIPTION: Miro rectangular table with 3- drawer fixed support pedestal
4-8-12 Storage
Extended
Secondary

FINISH: White Aluminum powder coat finish
N2 natural cane top and drawer fronts

CONTACT: Creative Office Pavillion
(207) 775-7100

COMMENTS: Location: Dispatch #117
Quantity: 1

ITEM CODE:	LS-1
ITEM:	Lounge Sofa
MANUFACTURER:	Jack Cartwright
MANUFACTURER MODEL NUMBER:	#20/961-72
DIMENSIONS:	72" w x 32"d x 31" h
DESCRIPTION:	Armless sofa, tight seat
FINISH:	Polished chrome base
FABRIC:	Maharam Pattern: Offset #465951 Color: #007 Bloom Content: 40% cotton, 36% Nylon, 24% wool Contact: Barbara Canavan: (617)236-8622
CONTACT:	McKearny Assoc. 850 Summer St., Boston, MA 02127 (617) 269-7600
COMMENTS:	Location: Break Room #207 Quantity: 1

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine areas and conditions in which furniture will be installed. Report in writing all unsatisfactory conditions. Beginning work means acceptance of jobsite / room conditions.

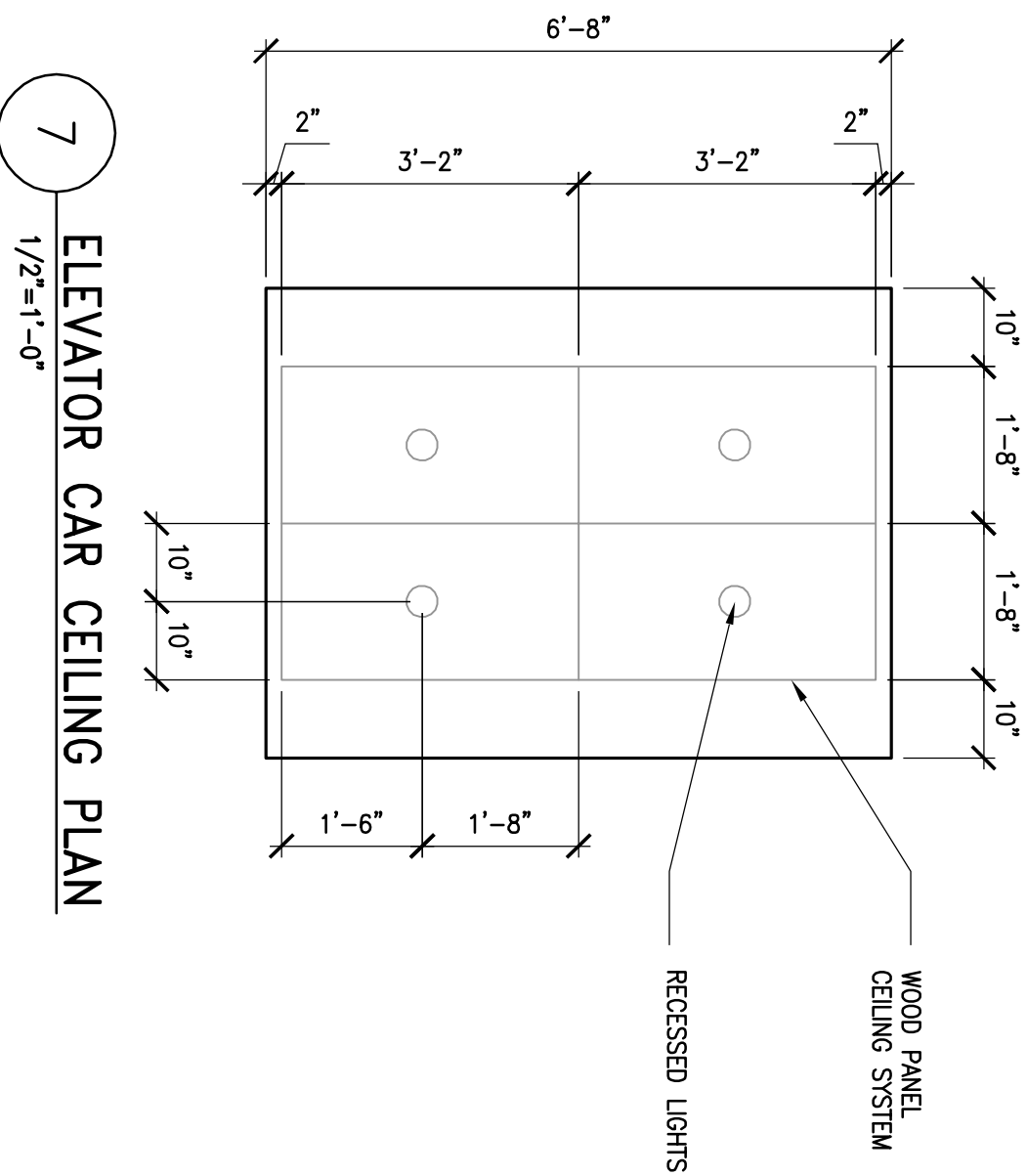
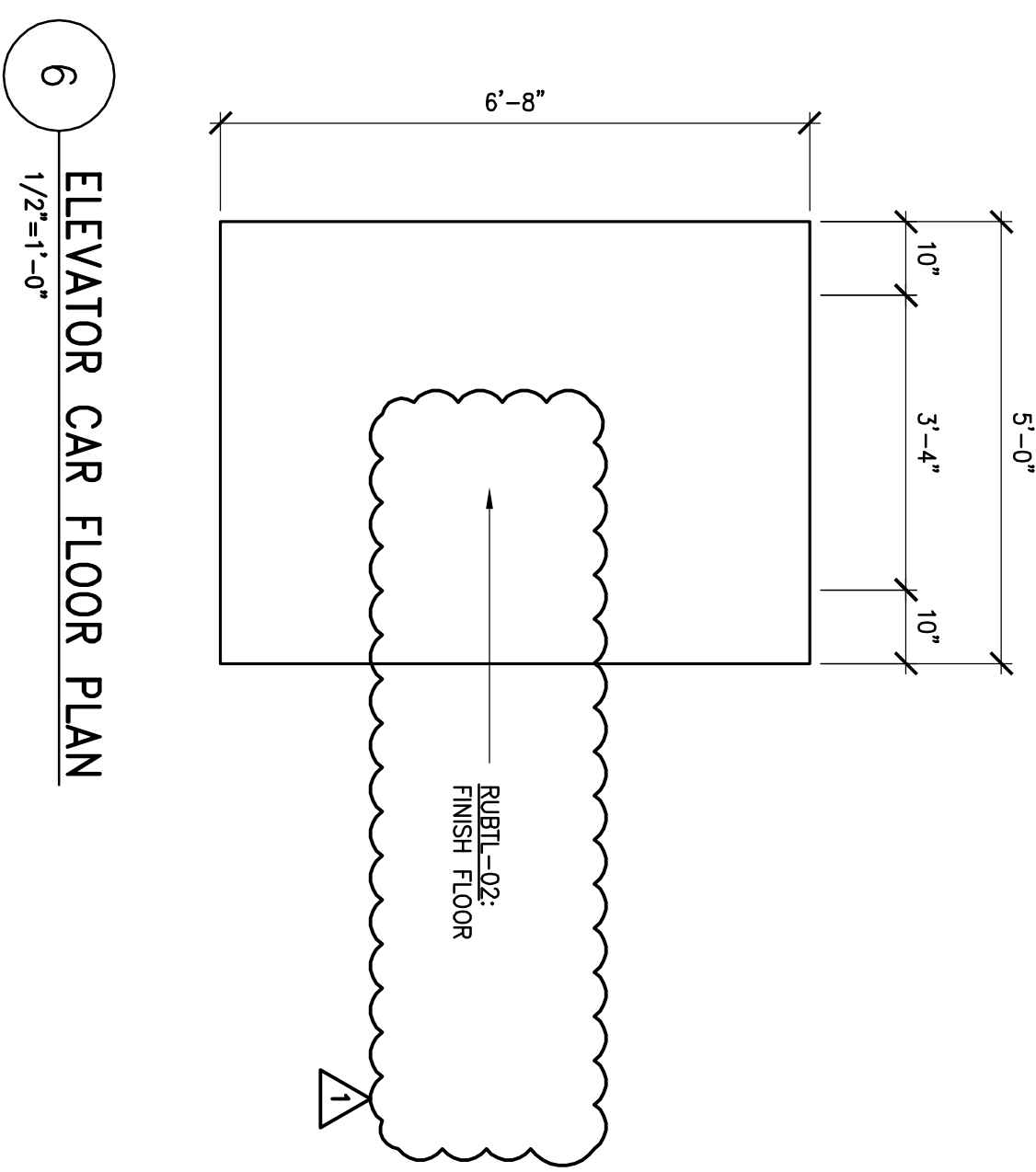
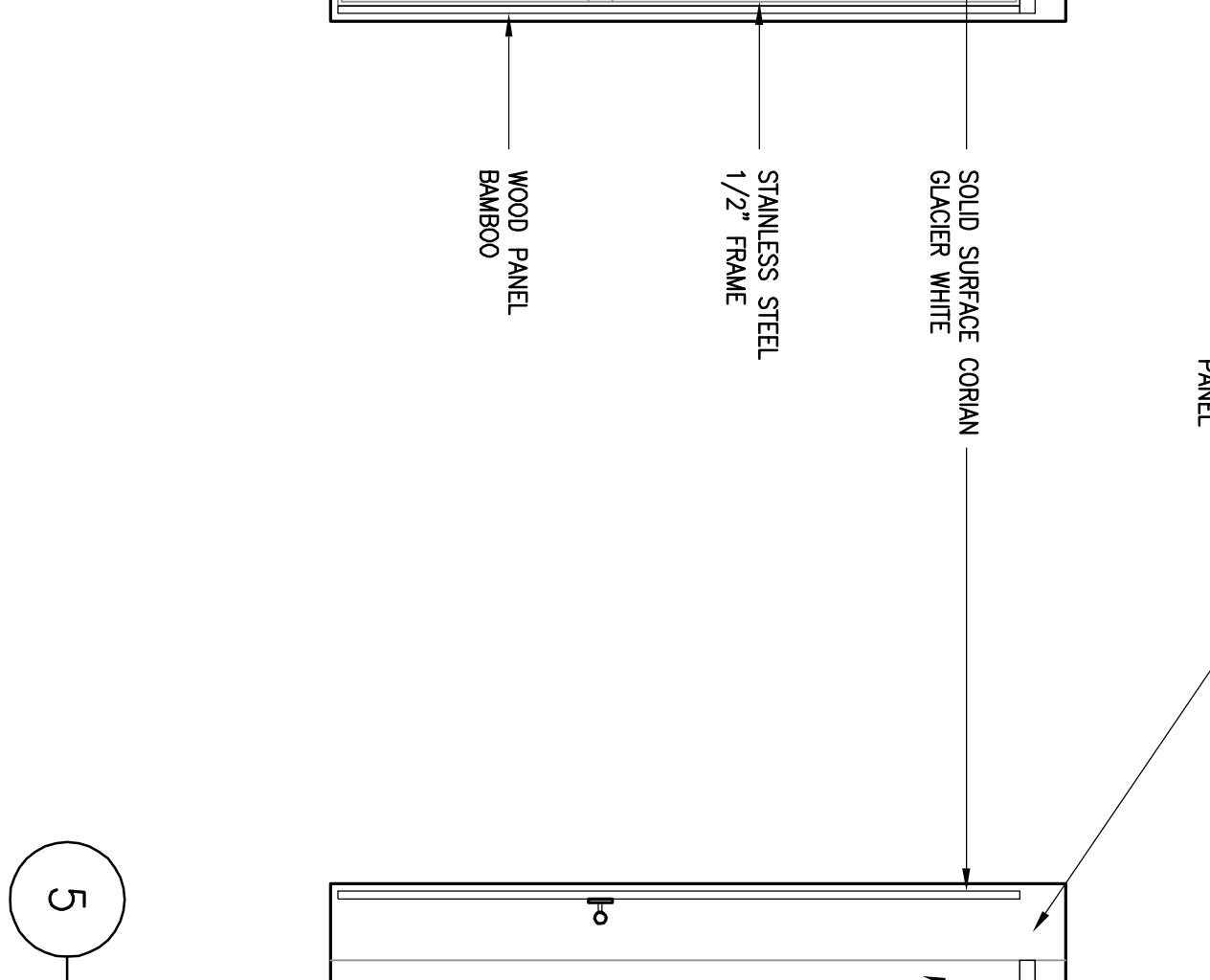
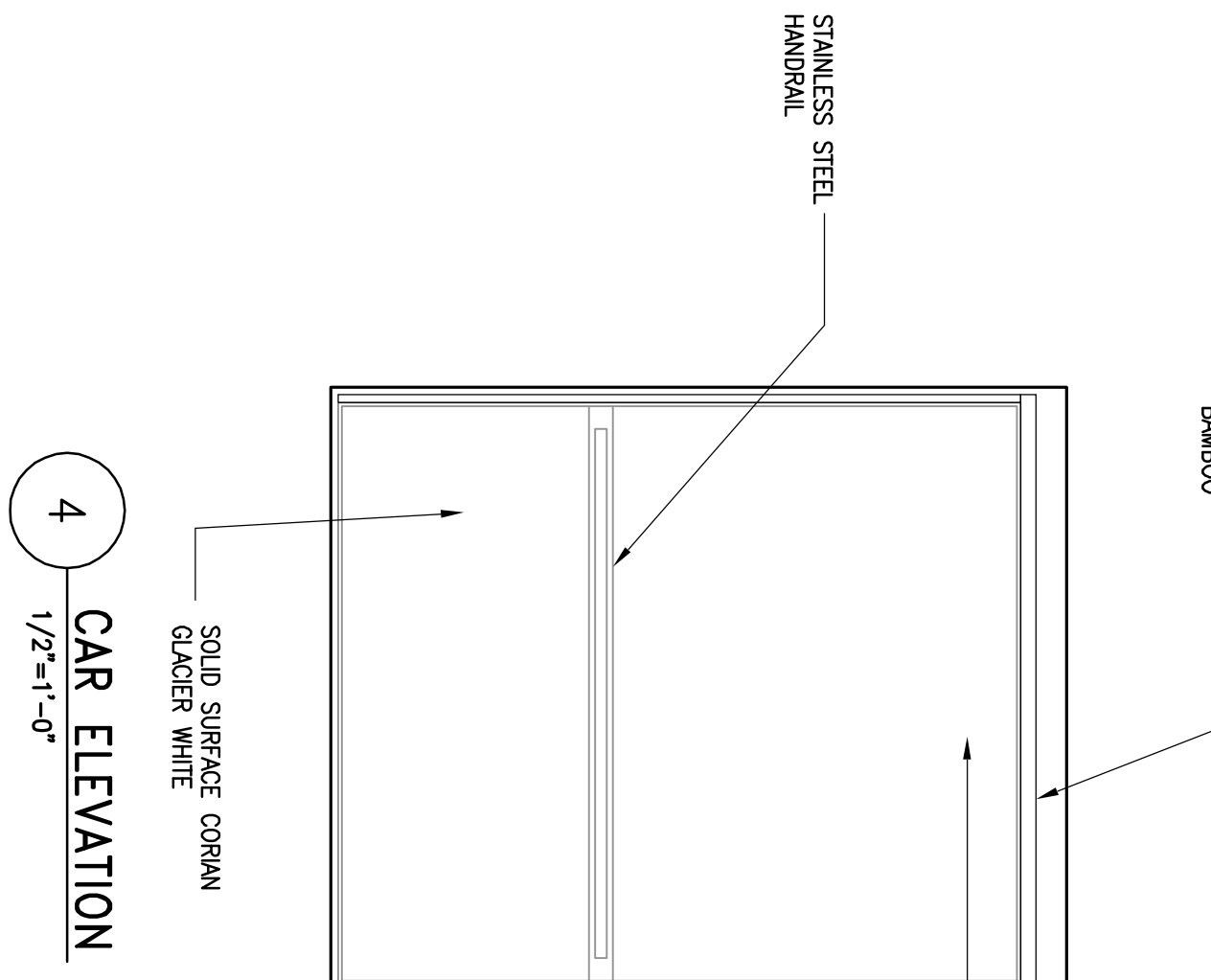
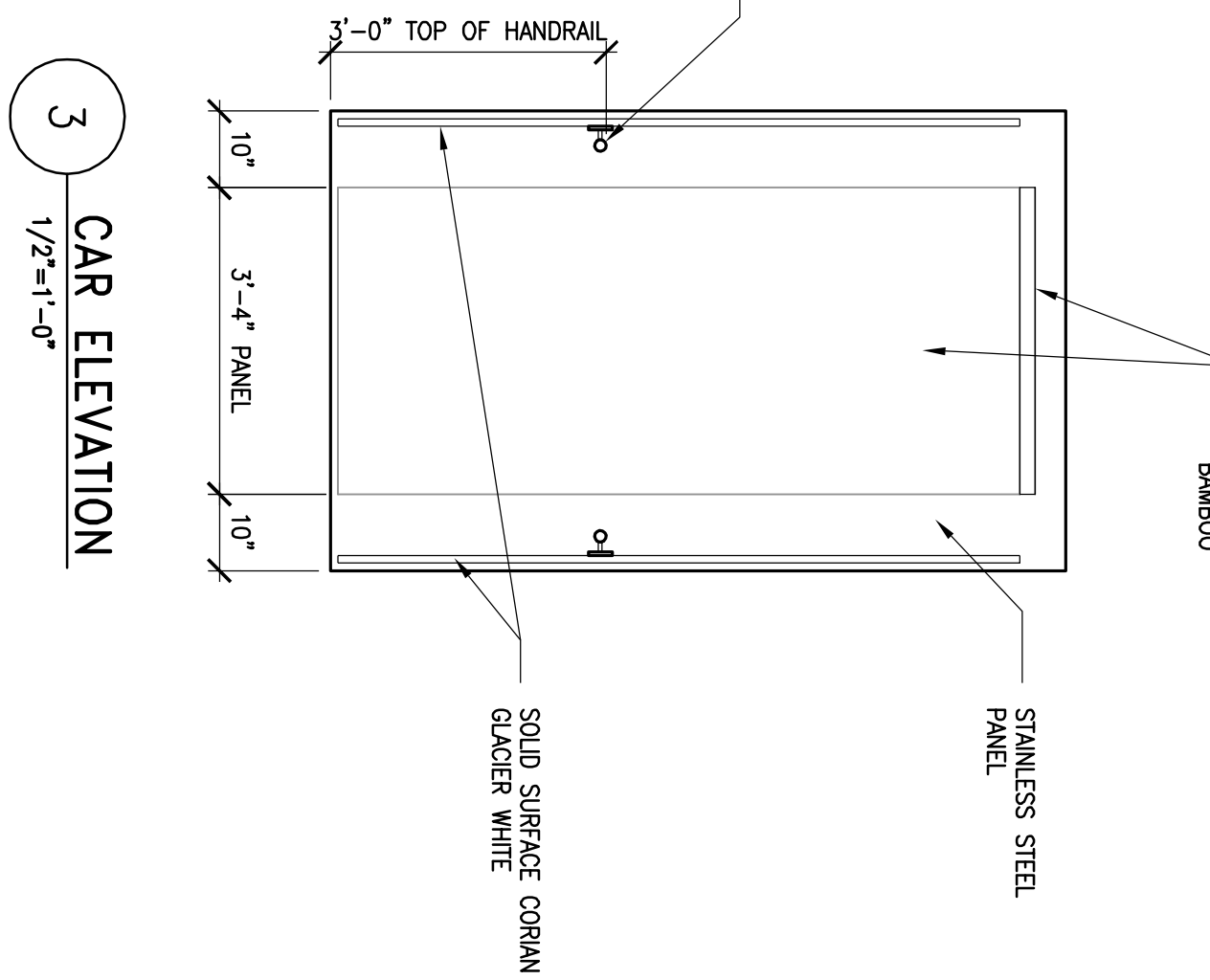
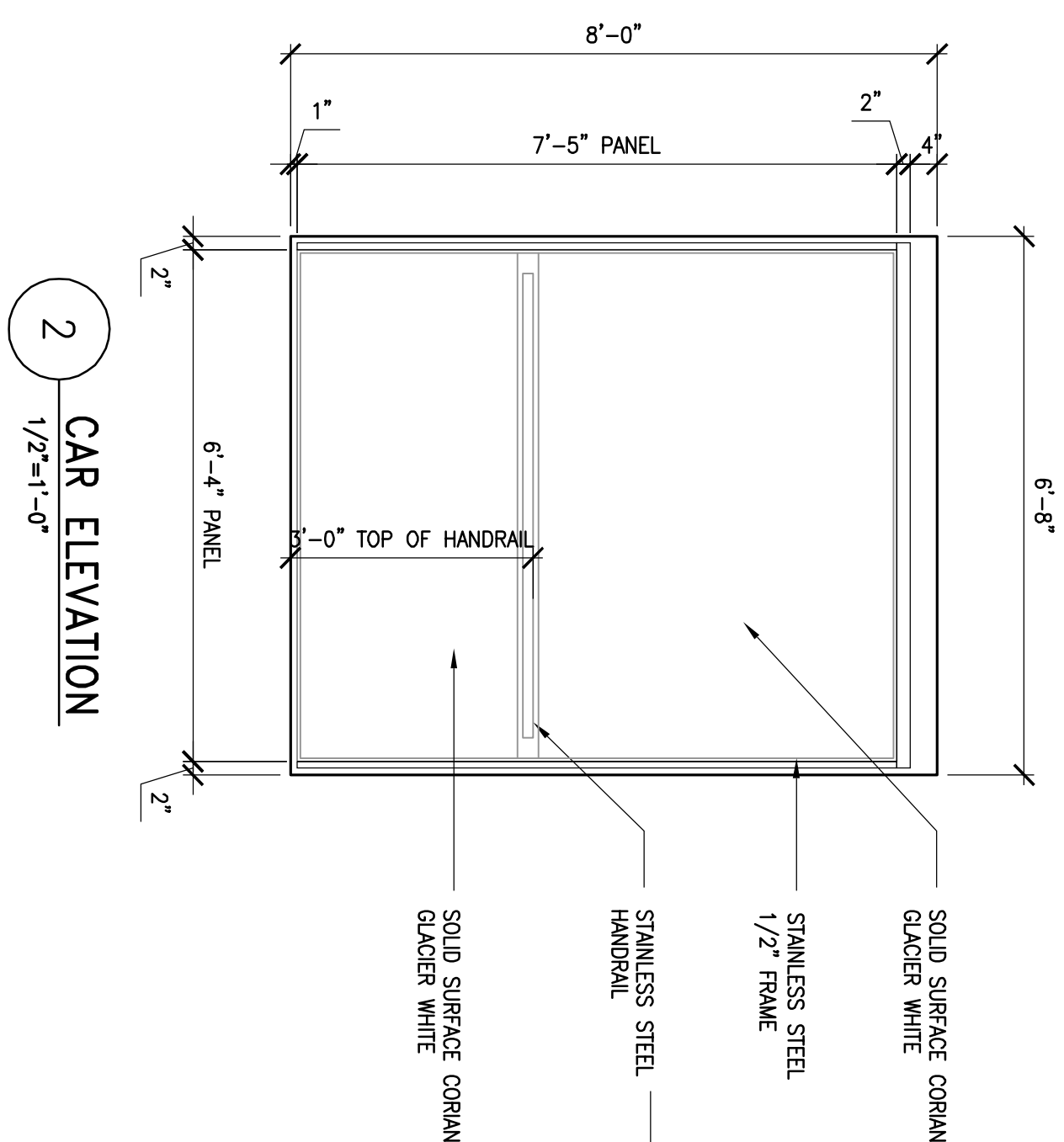
3.02 PREPARATION

- A. Prior to installation of furniture, vacuum floor surface to remove dust, debris and loose particles..
- B. Verify that components, including size and finish, are those specified before installing.

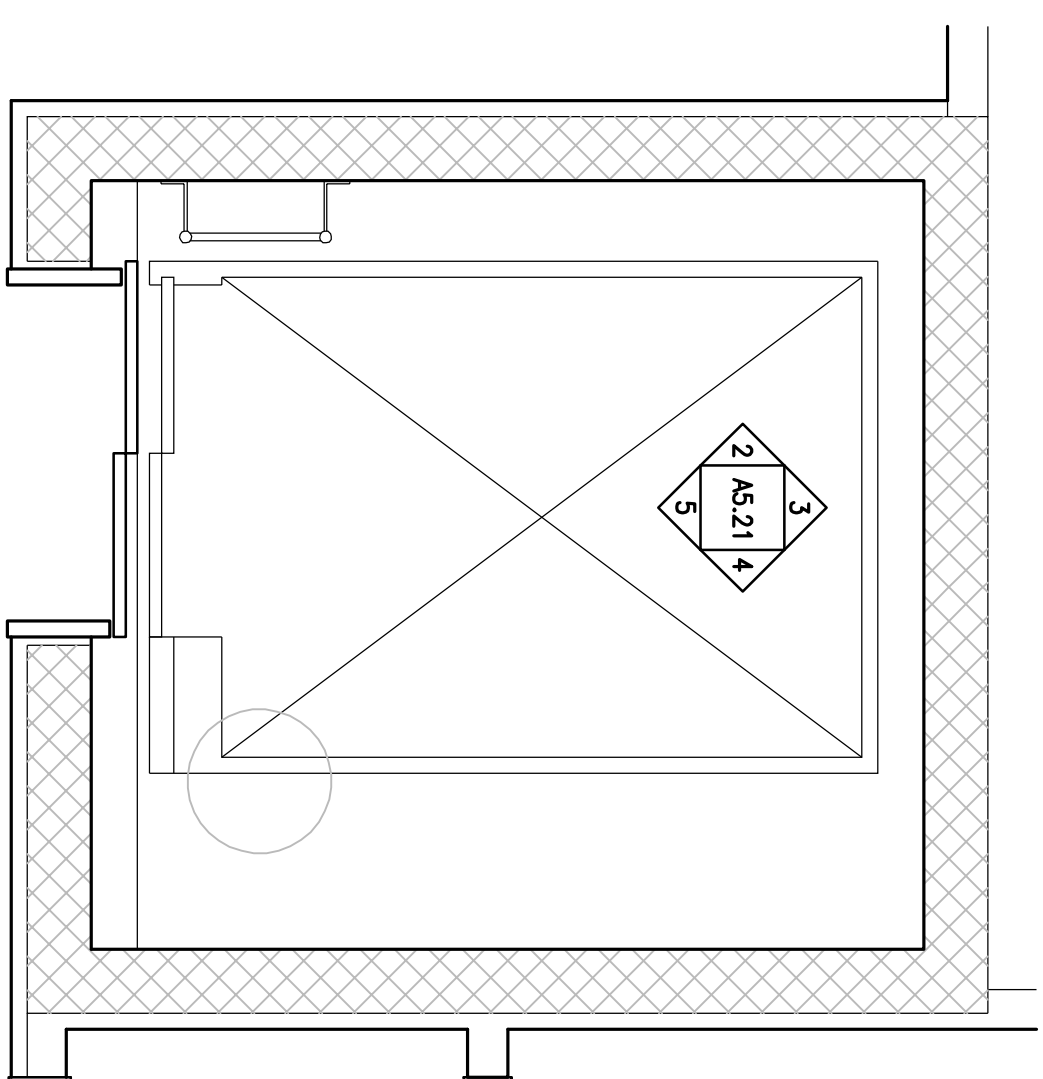
3.03 INSTALLATION

- A. Install furniture and accessories after finishing operations, including painting, have been completed.
- B. Comply with manufacturer's instructions and recommendations for setting up and calibrating furniture.
- C. Provide all auxiliary materials necessary as well as training to the end user to effectively tune each chair to their work style and body needs
- D. Replace or repair non-complying components at no cost to Owner.

END OF SECTION 126000



1 ELEVATOR CAR PLAN
1/2"=1'-0"



NOTE: PROVIDE NEW ELEVATOR PADS FOR ALL ELEVATOR CAR AND ELEVATOR SHAFTS WITH REMOVABLE PANEL HOOKS.

REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/15/09	ADDENDUM NO. 2

TRANSPORTATION
AECOM USA, Inc.
66 Long Wharf
T 617/223.1700 F 617/223.9856
www.aecom.com

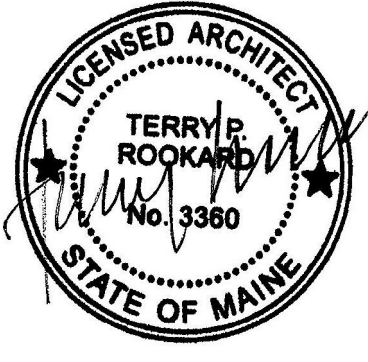
Allied Engineering
160 Veranda Street
Portland, Maine 04103
T: 207/231.2260
F: 207/231.2266
Web: www.allied-eng.com
Allied Project No: 07010
Cod File: A5.21.dwg

SHEET NUMBER
A5.21
OF

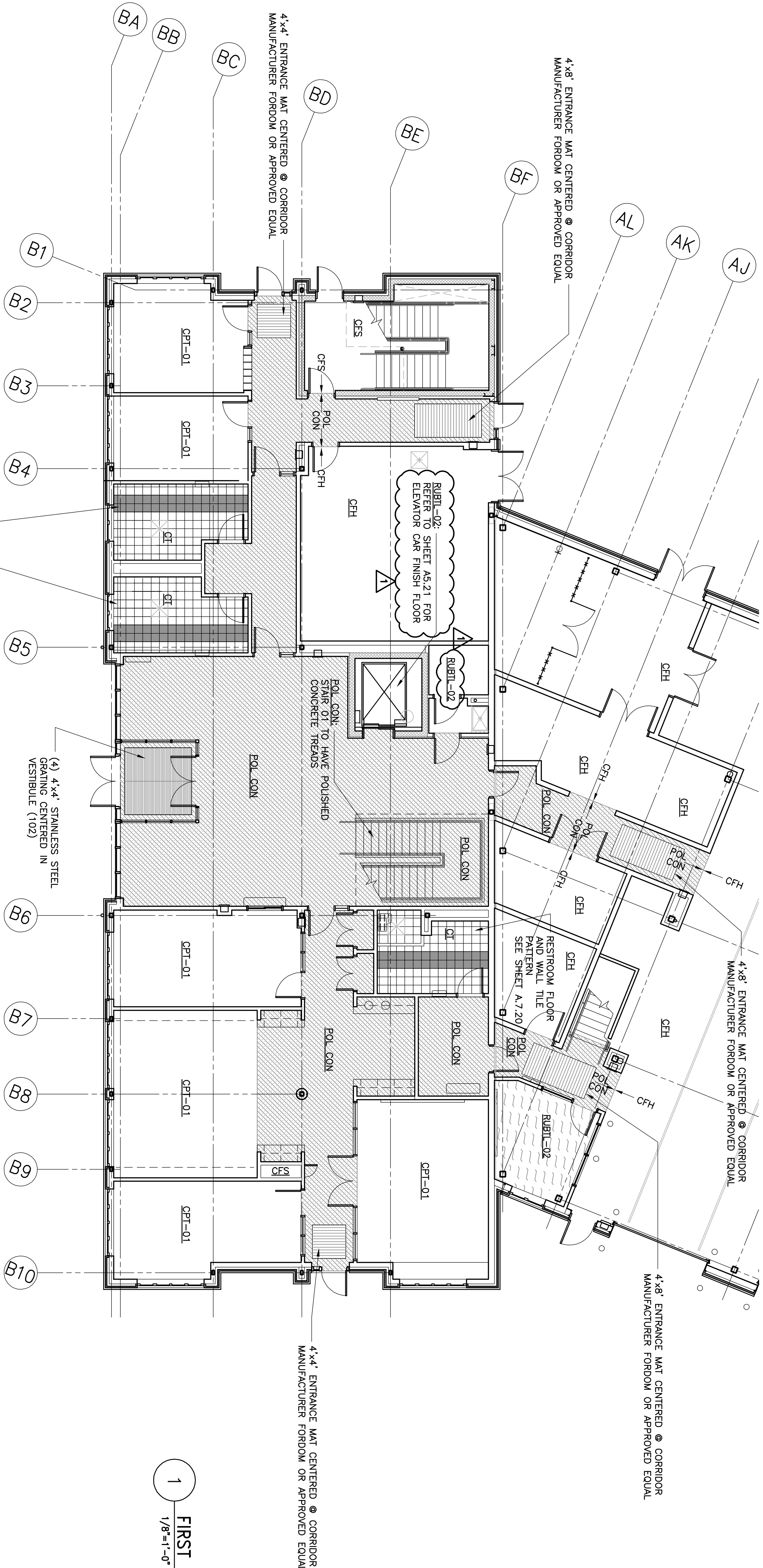
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY
ELEVATOR CAR DETAILS

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

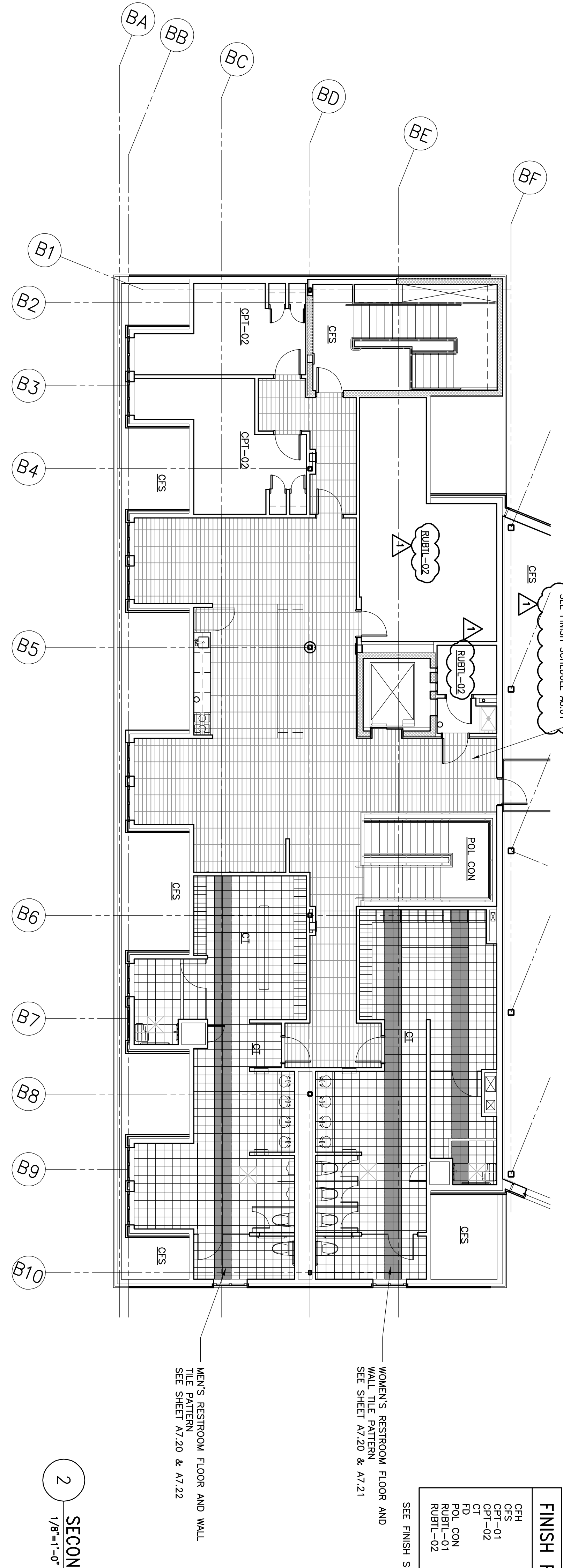
SIGNATURE
TERRY P. ROOKARD
ARCH. LIN. NUMBER
3360
DATE
MAY 1, 2009



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
FED PIN NO:	DATE
PIN NO: 16123.50	



1
1/8"=1'-0"
0 4 8'
FIRST FLOOR PLAN



2
1/8"=1'-0"
0 4 8'
SECOND FLOOR PLAN

FINISH FLOOR ABBREVIATIONS	
CFH	CONCRETE FLOOR HARDENER
CFS-01	CONCRETE FLOOR SEALED
CPT-01	CARPET TYPE 01
CPT-02	CARPET TYPE 02
CT	CERAMIC TILE
FD	FLOOR DRAIN
POL CON	POLISHED CONCRETE
RUBTL-01	RUBBER TILE TYPE 01
RUBTL-02	RUBBER TILE TYPE 02S

SEE FINISH SCHEDULE SHEET AB.01

REVISION NO.	DATE	DESCRIPTIONS
1	10/15/09	ADDENDUM NO. 2

TRANSPORTATION
AECOM USA, Inc.
 66 Long Wharf
 Portland, ME 04103
 T 617/223.1700 F 617/223.8956
 www.aecom.com

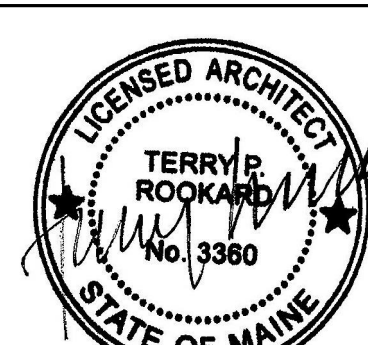
Allied Engineering
 160 Veranda Street
 Portland, Maine 04103
 T: 617/231.2346
 F: 617/231.2346
 Web: www.allied-eng.com

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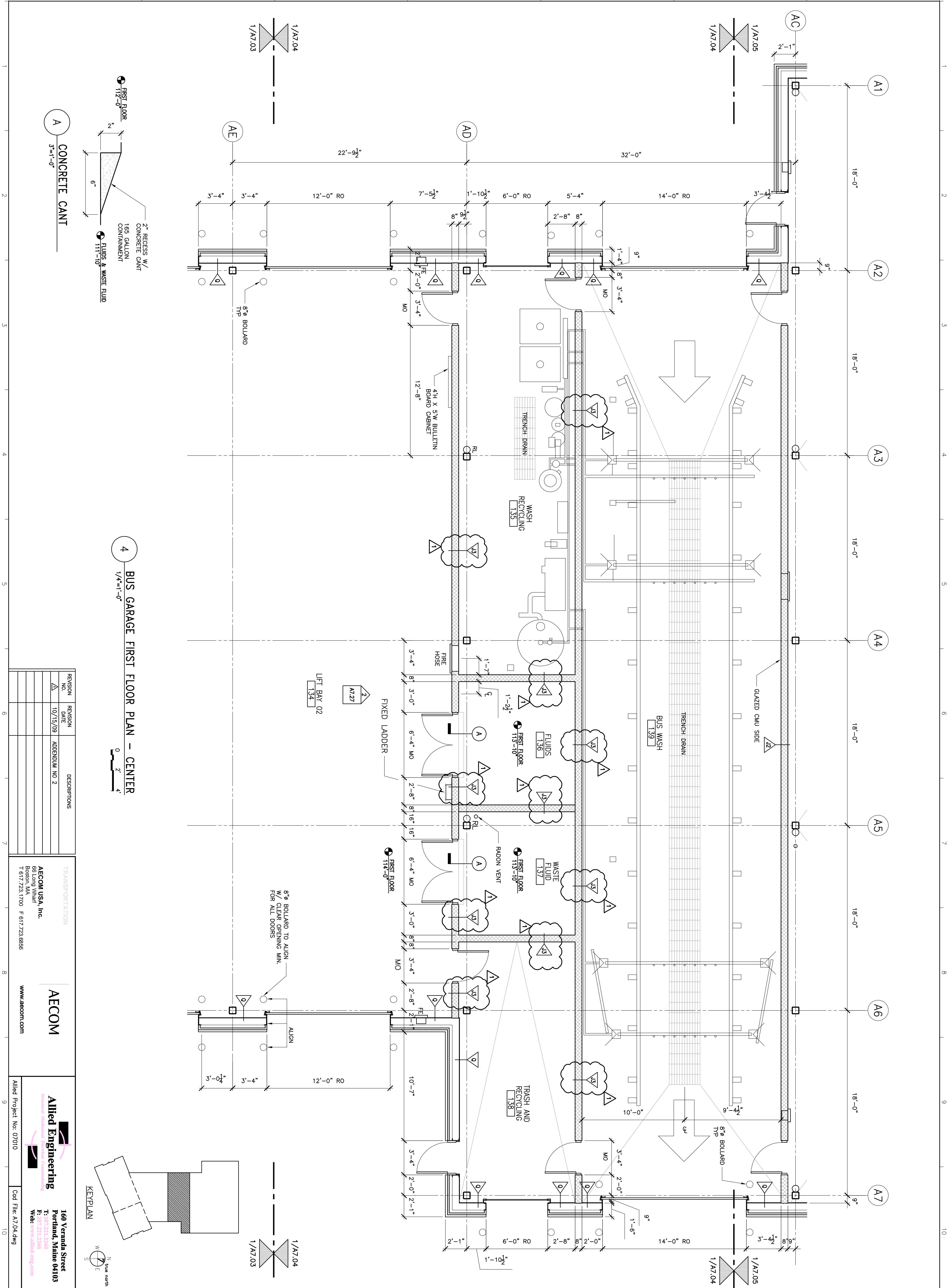
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
 BUS MAINTENANCE FACILITY
FINISH FLOOR PLANS

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

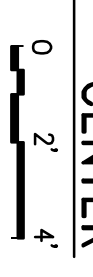
SIGNATURE
 TERRY P. ROOKARD
 ARCH. LIN. NUMBER
 3360
 DATE
 MAY 1, 2009



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE
FED PIN NO:		
PIN NO: 16123.50		



4 BUS GARAGE FIRST FLOOR PLAN - CENTER
1/4"=1'-0"



REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/15/09	ADDENDUM NO 2

TRANSPORTATION
AECOM USA, Inc.
 66 Long Wharf
 Portland, Maine 04103
 T 617/723.1700 F 617/723.8585
 www.aecom.com

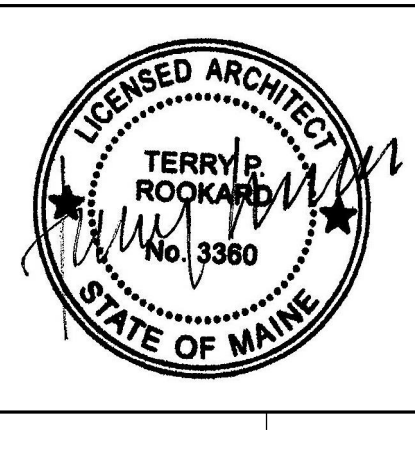
Allied Engineering
 160 Veranda Street
 Portland, Maine 04103
 T: 617/231.2100
 F: 617/231.2106
 Web: www.allied-eng.com

SHEET NUMBER
A7.04
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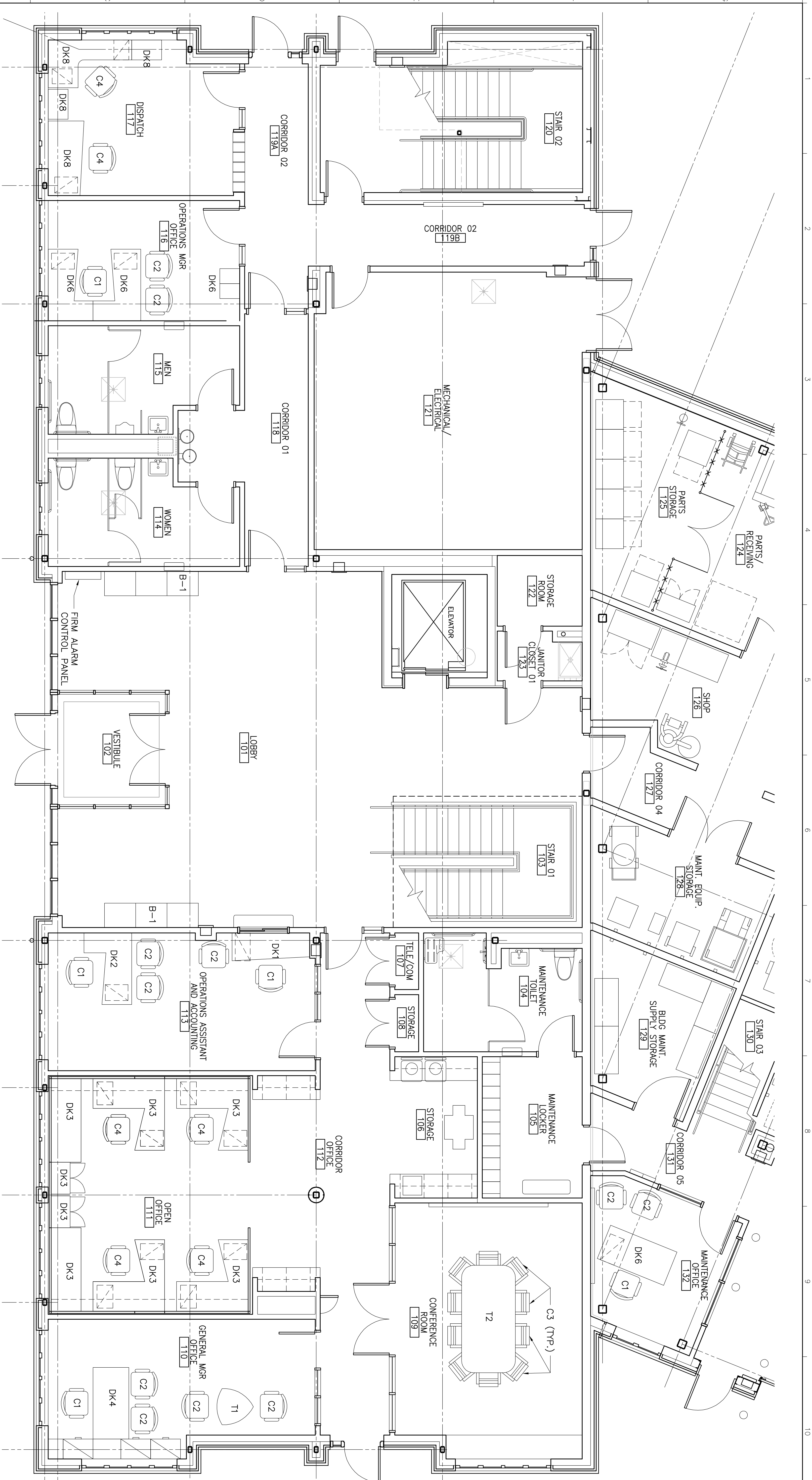
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
 BUS MAINTENANCE FACILITY
FIRST FLOOR ENLARGED PLAN IV

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

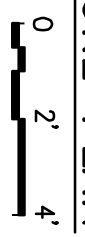
SIGNATURE
TERRY P. ROOKARD
 ARCH. LIN. NUMBER
 3360
 DATE
 MAY 1, 2009



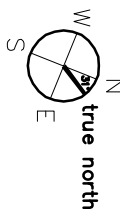
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FED PIN NO:	
PIN NO: 16123.50	
DATE	



1 ADMINISTRATION BUILDING FIRST FLOOR FURNITURE PLAN
1/4"=1'-0"



KEYPLAN



REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/15/09	ADDENDUM NO 2

TRANSPORTATION
AECOM USA, Inc.
 60 Long Wharf
 Portland, ME 04101
 T 617/723.1700 F 617/723.8956
 www.aecom.com

Allied Engineering
 160 Veranda Street
 Portland, Maine 04103
 T: 617/231.2100
 F: 617/231.2106
 Web: www.allied-eng.com

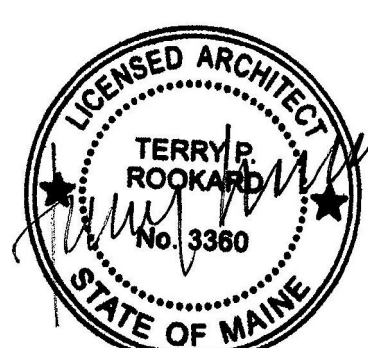
PROJECT INFORMATION
 PROGRAM -
 PROJECT MANAGER - WPF
 DESIGNER - TV
 CONSULTANT - ALLIED ENGINEERING
 PROJECT RESIDENT -
 CONTRACTOR -
 PROJECT COMPLETION DATE -

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
 BUS MAINTENANCE FACILITY
ADMINISTRATION BUILDING
FIRST FLOOR FURNITURE PLAN

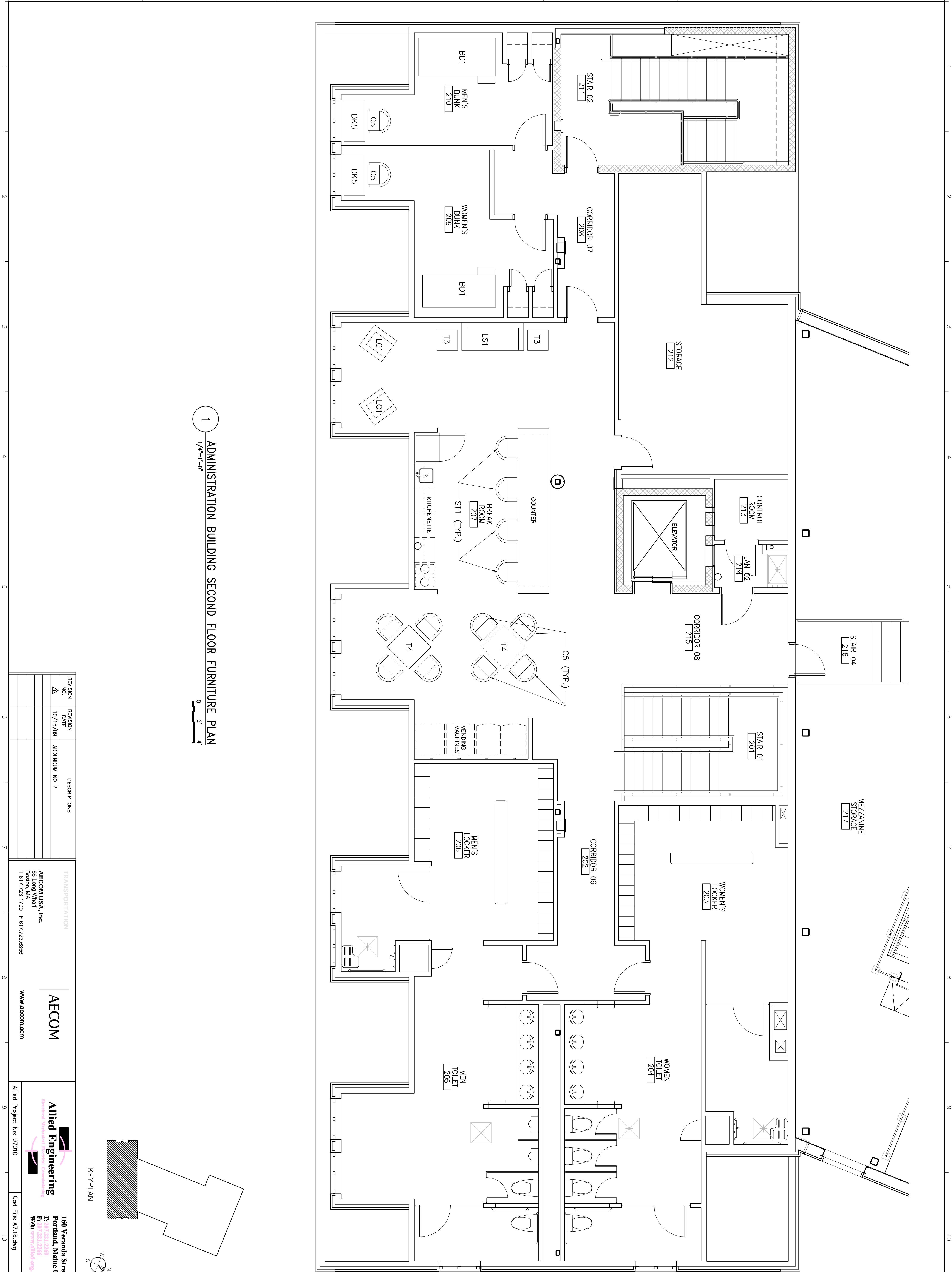
SIGNATURE - TERRY P. ROOKARD
 ARCH. LIN. NUMBER - 3360
 DATE - MAY 1, 2009

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 FED PIN NO:
 PIN NO: 16123.50

DATE



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 OF



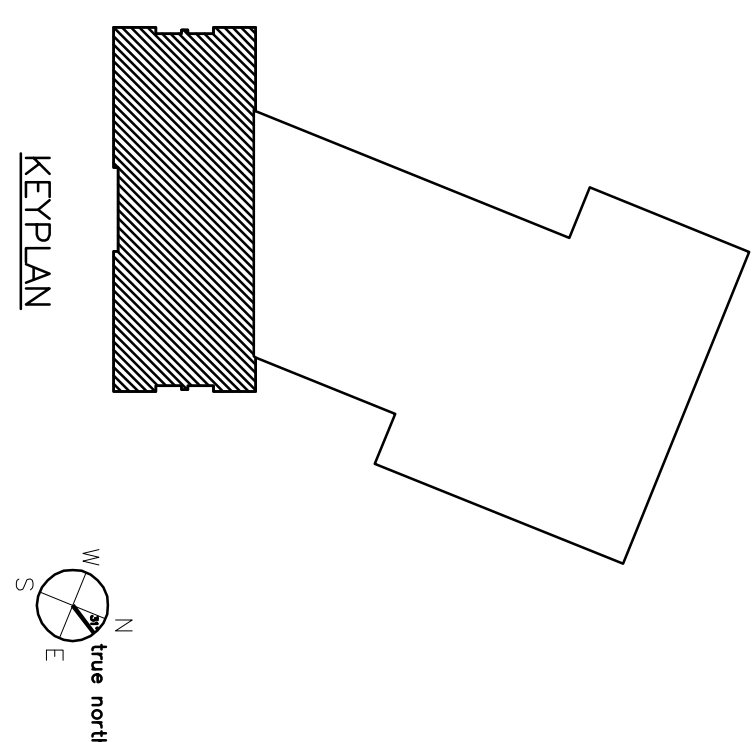
1 ADMINISTRATION BUILDING SECOND FLOOR FURNITURE PLAN
1/4"=1'-0"

REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/15/09	ADDENDUM NO 2

TRANSPORTATION
AECOM USA, Inc.
60 Long Wharf
Portland, Maine 04103
T 617/723.1700 F 617/723.8956



Allied Engineering
160 Veranda Street
Portland, Maine 04103
T: 617/231.2366
F: 617/231.2366
Web: www.allied-eng.com

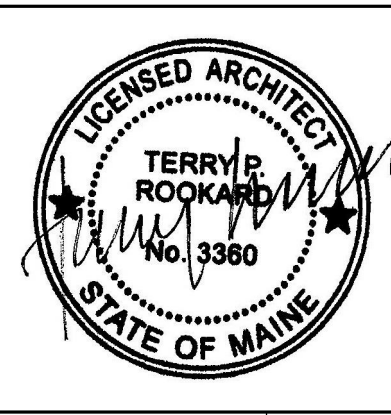


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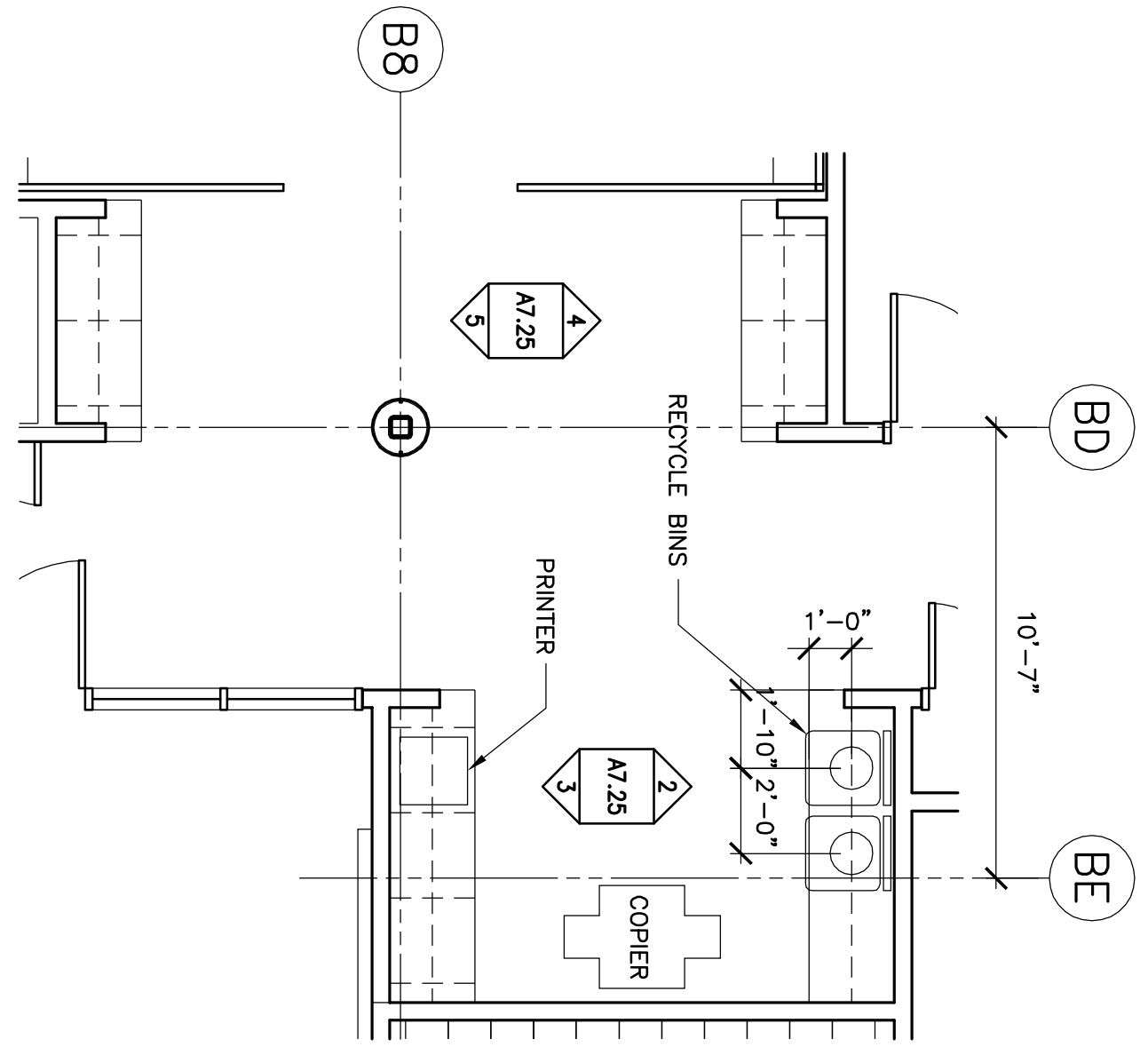
MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY
ADMINISTRATION BUILDING
SECOND FLOOR FURNITURE PLAN

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

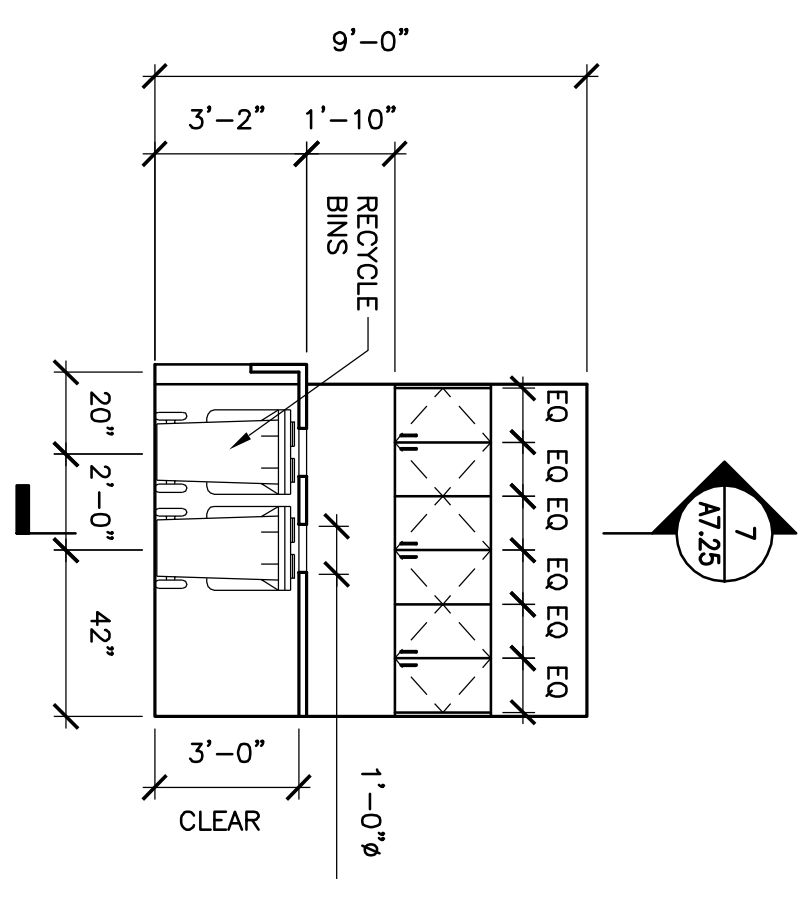
SIGNATURE
TERRY P. ROOKARD
ARCH. LIN. NUMBER
3360
DATE
MAY 1, 2009



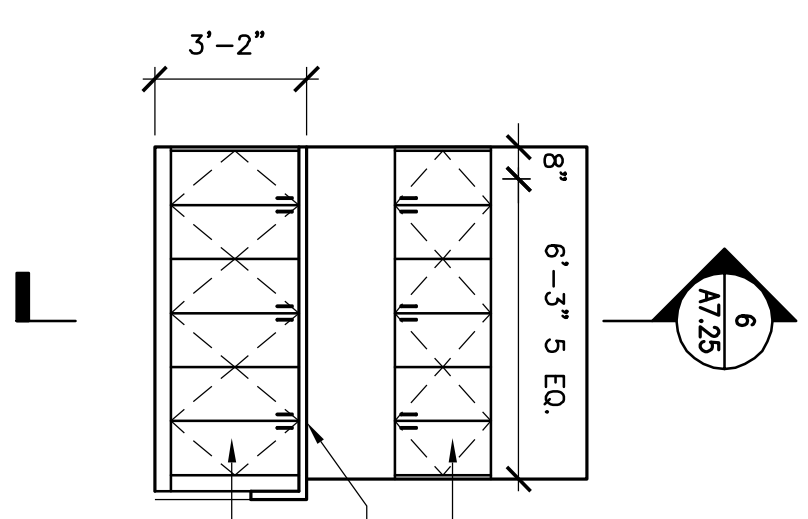
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
DATE	
FED PIN NO:	
PIN NO: 16123.50	



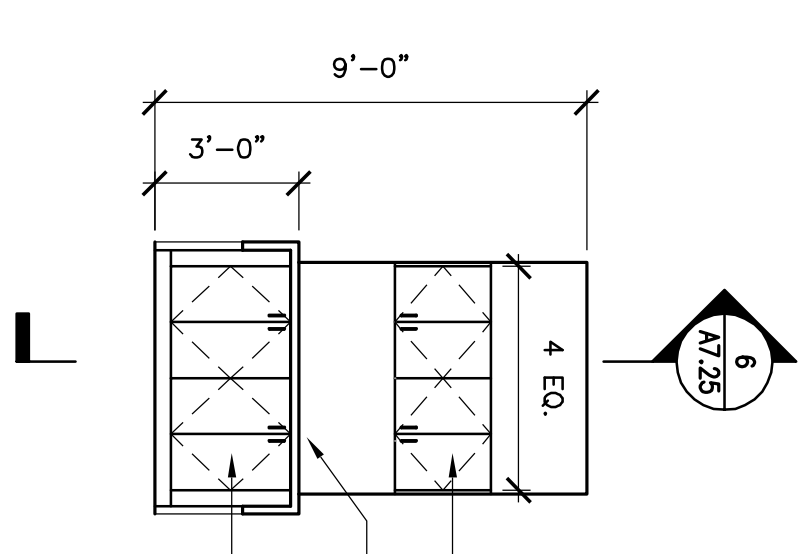
1 ENLARGE PLAN OPEN OFFICE & COPY ROOMS
1/4"=1'-0"



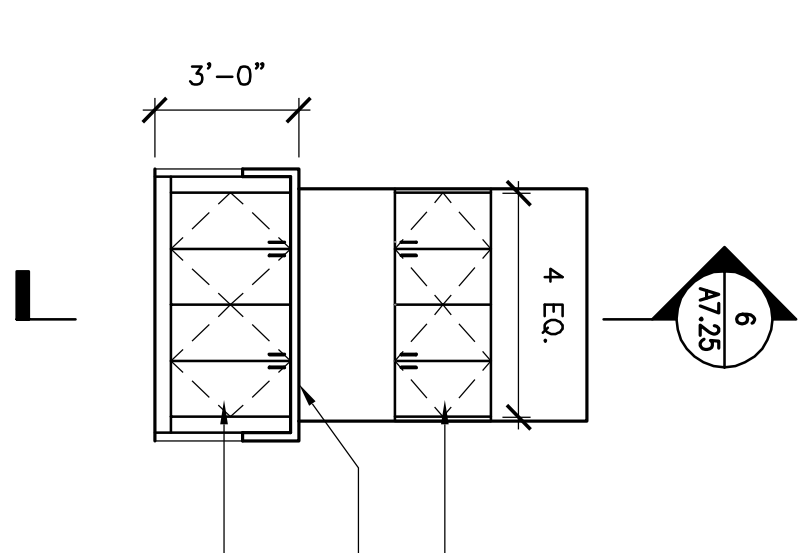
2 MILLWORK STORAGE 106
1/4"=1'-0"



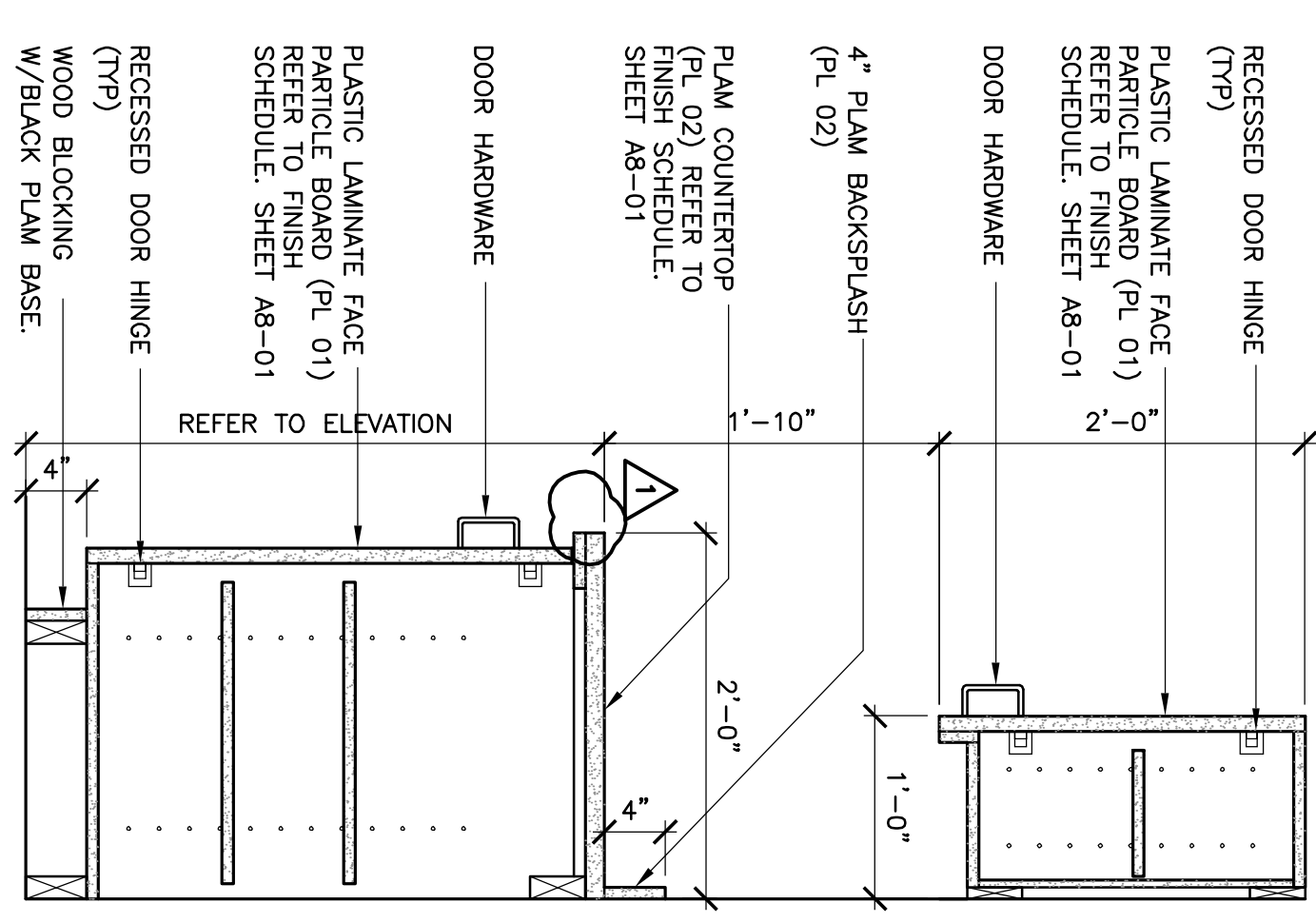
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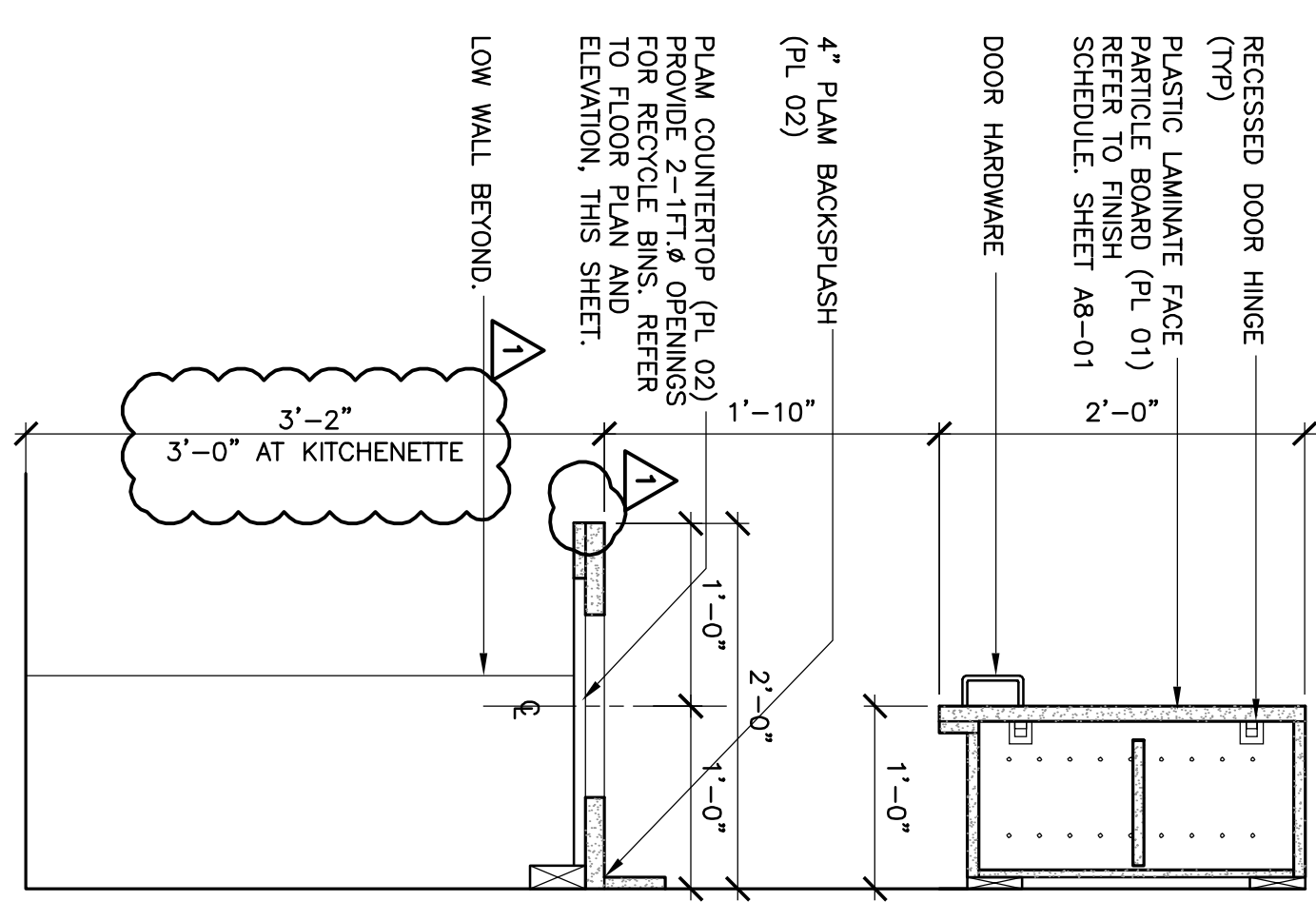
4 MILLWORK OFFICE 111
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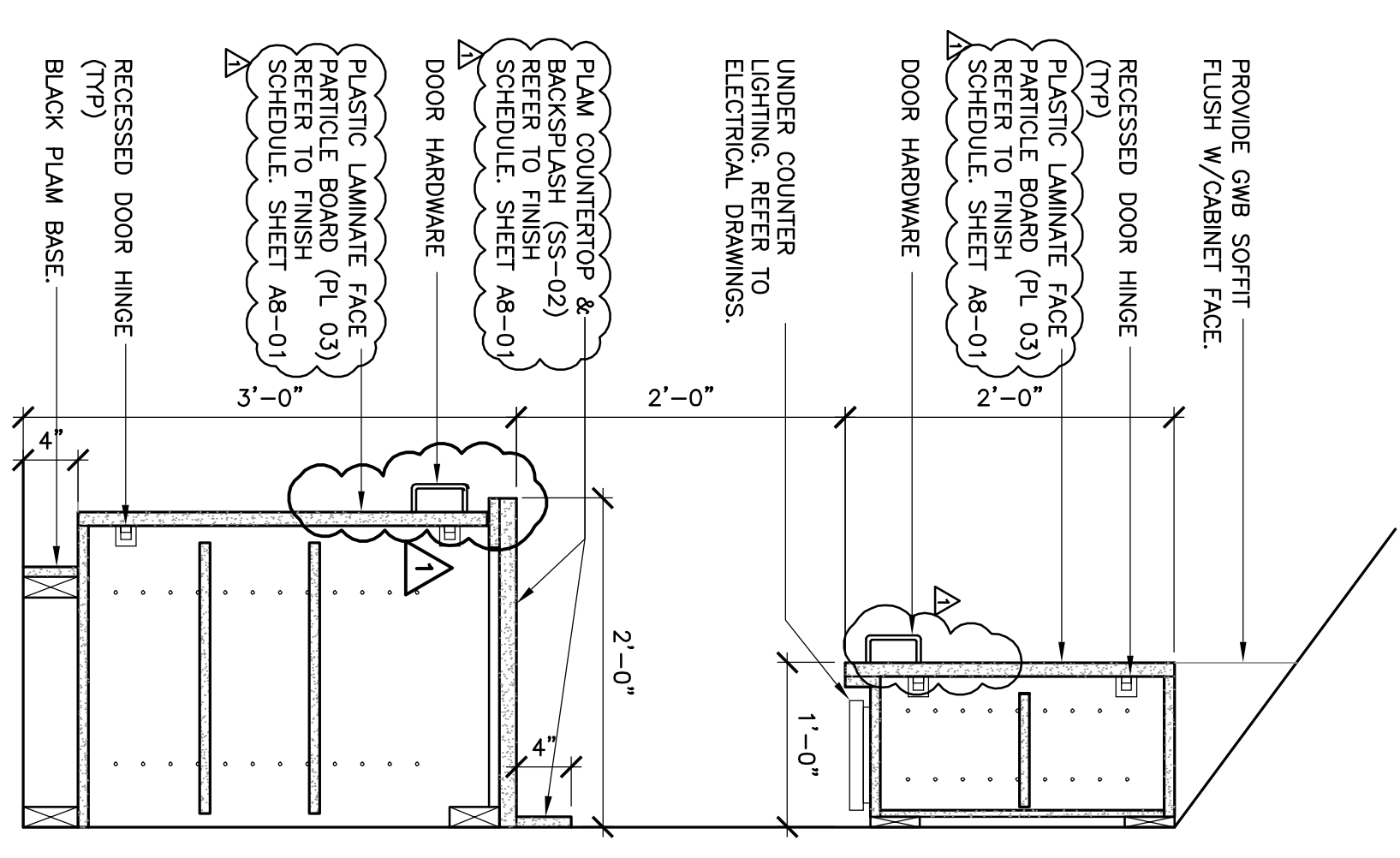
5 MILLWORK OFFICE 111
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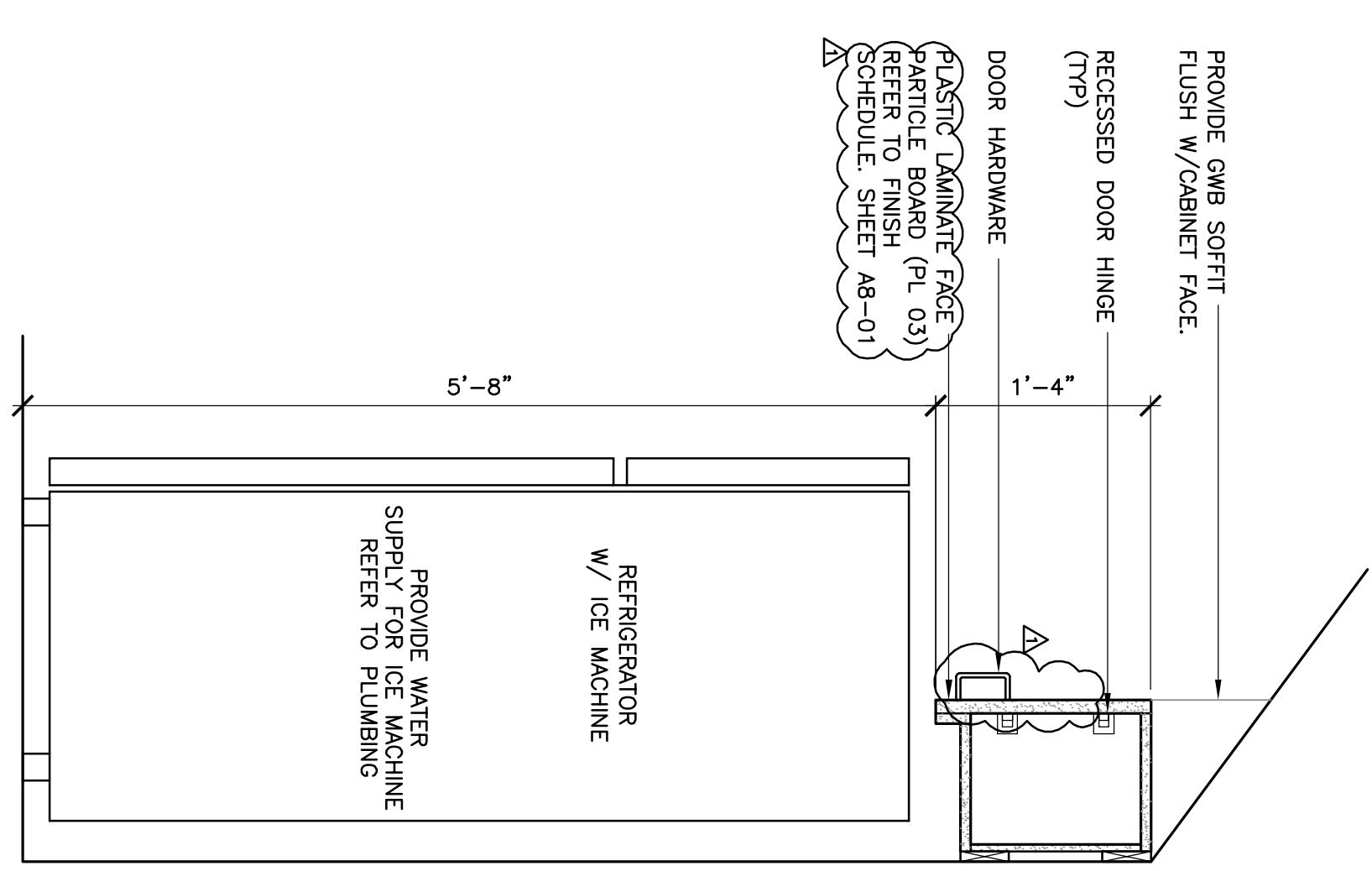
6 MILLWORK ROOMS 106 & 111
1"=1'-0"



7 MILLWORK STORAGE 106
1"=1'-0"



8 MILLWORK KITCHEN
1"=1'-0"



9 MILLWORK KITCHEN
1"=1'-0"

REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/15/09	ADDENDUM NO 2

TRANSPORTATION

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66 Long Wharf
T 617/723.1700 F 617/723.9856
www.aecom.com

AECOM

Allied Engineering
160 Veranda Street
Portland, Maine 04103
T: 207.231.2260
F: 207.231.2266
Web: www.allied-eng.com

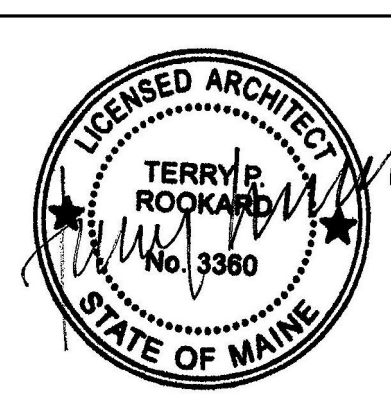
Allied Project No: 07010
Cod File: A7.25.dwg

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

INTERIOR ELEVATIONS VI

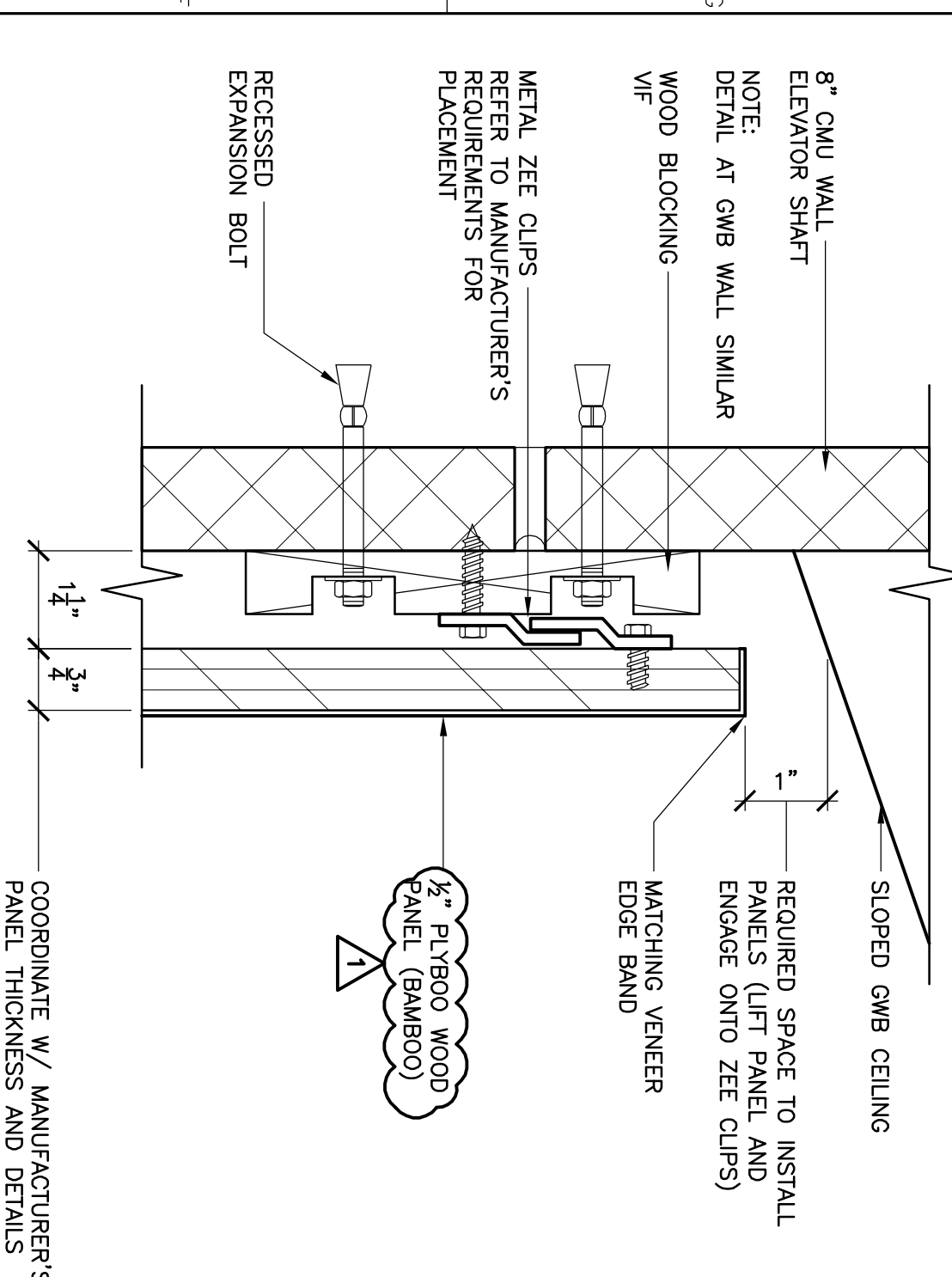
PROJECT INFORMATION	
PROGRAM	-
PROJECT MANAGER	WFP
DESIGNER	TV
CONSULTANT	ALLIED ENGINEERING
PROJECT RESIDENT	-
CONTRACTOR	-
PROJECT COMPLETION DATE	-

SIGNATURE
TERRY P. ROOKARD
ARCH. LIN. NUMBER
3360
DATE
MAY 1, 2009

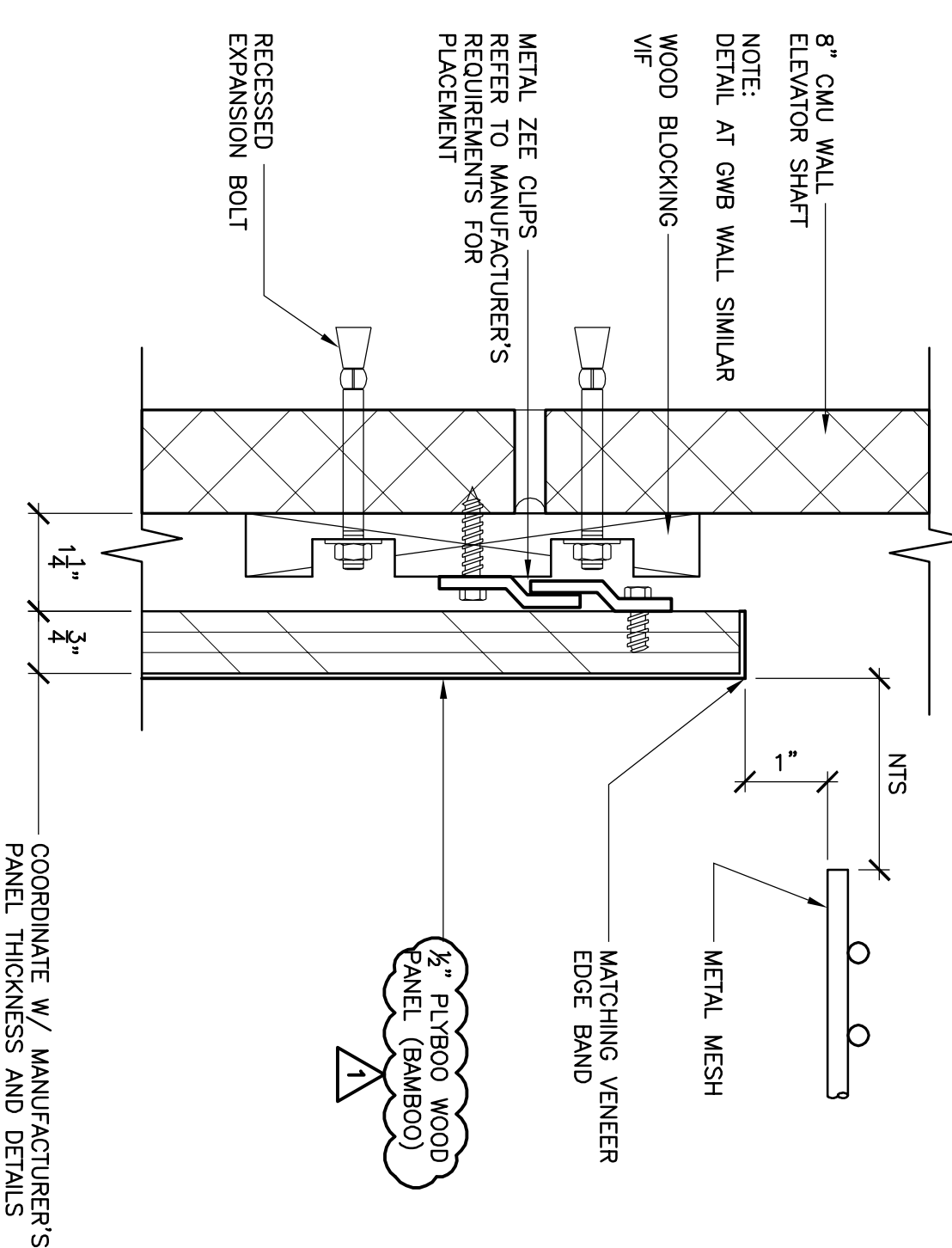


STATE OF MAINE DEPARTMENT OF TRANSPORTATION		DATE
FED PIN NO:		
PIN NO: 16123.50		

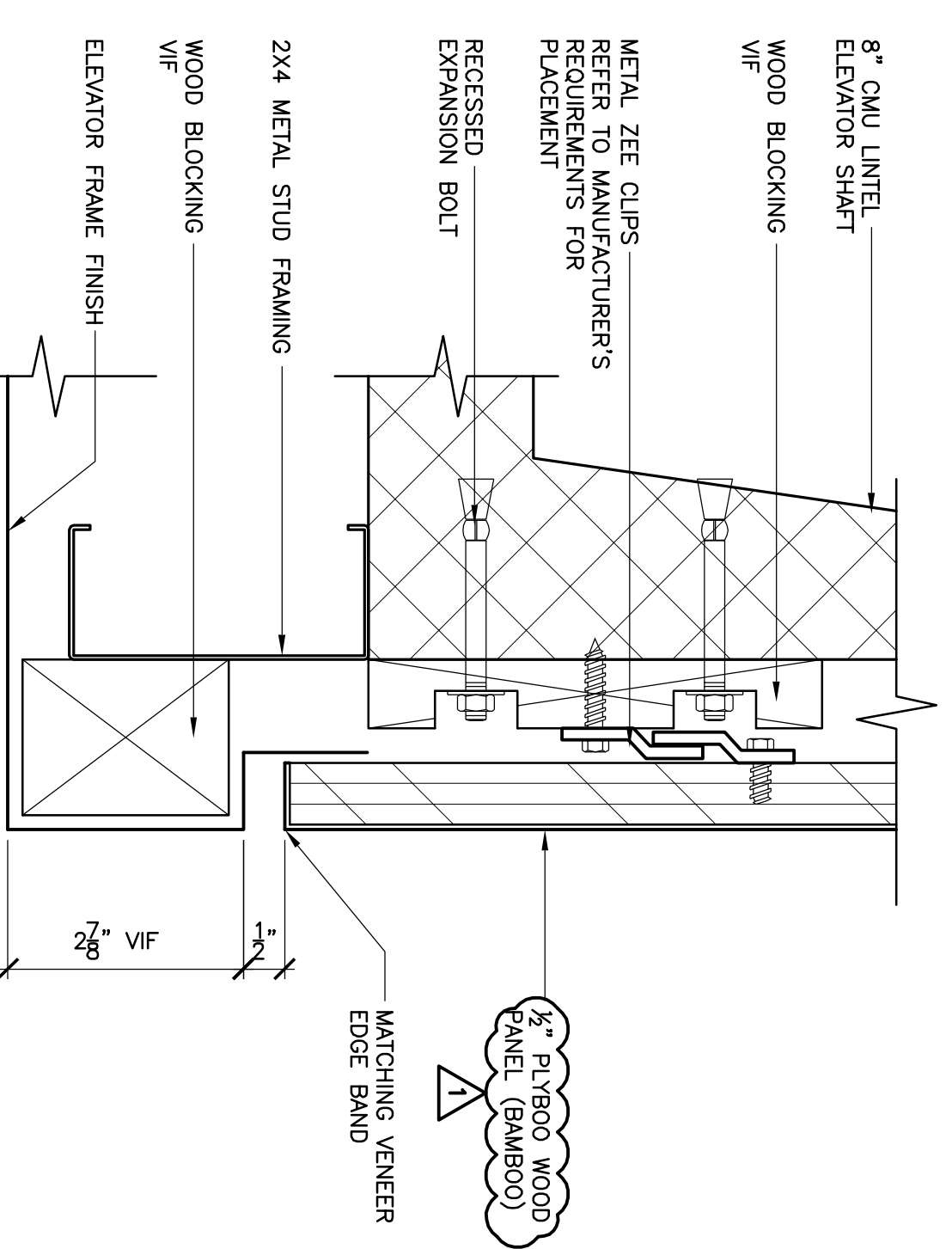
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OF



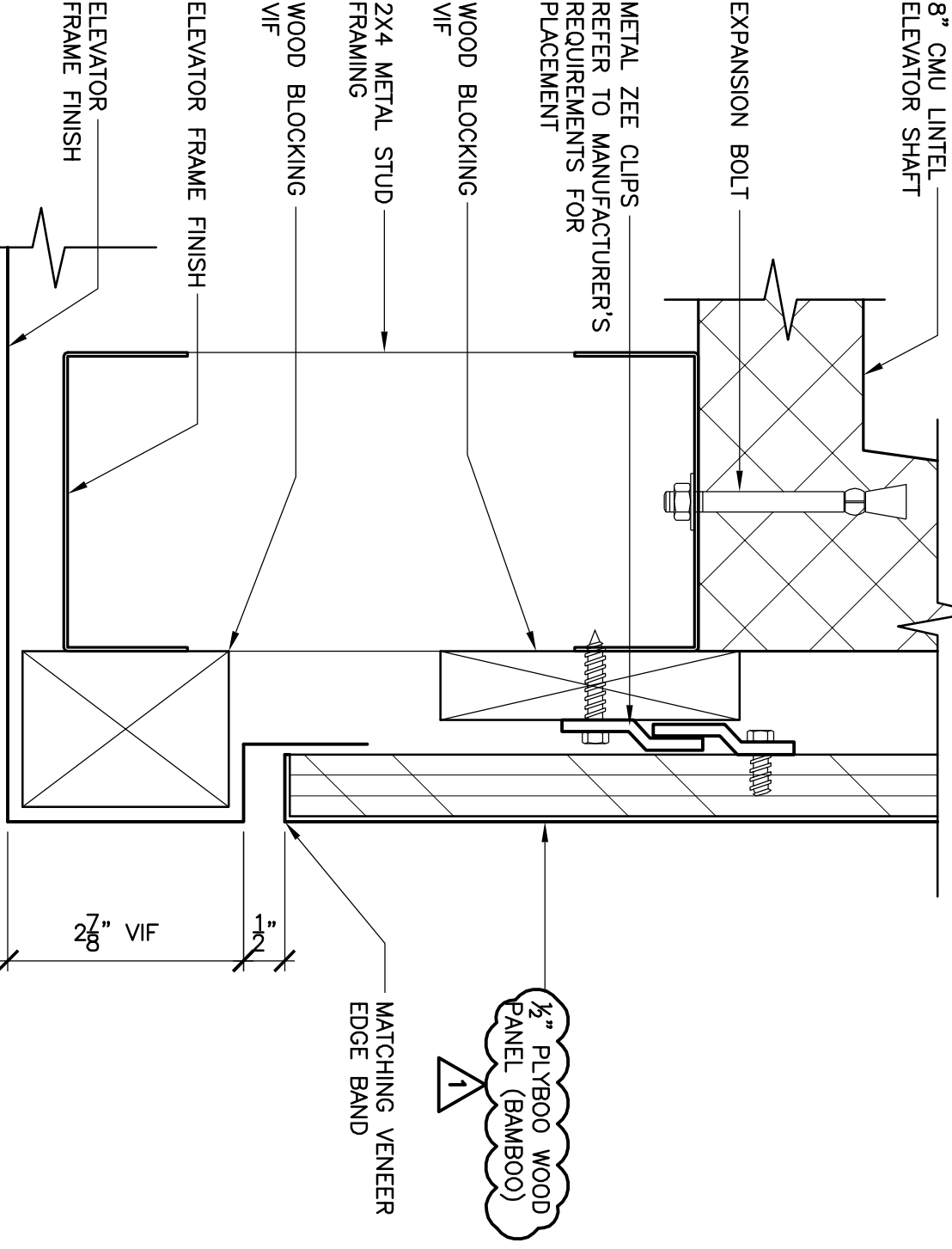
1 WOOD PANEL ZEE CLIP MOUNTING DETAIL
6'-1'-0"



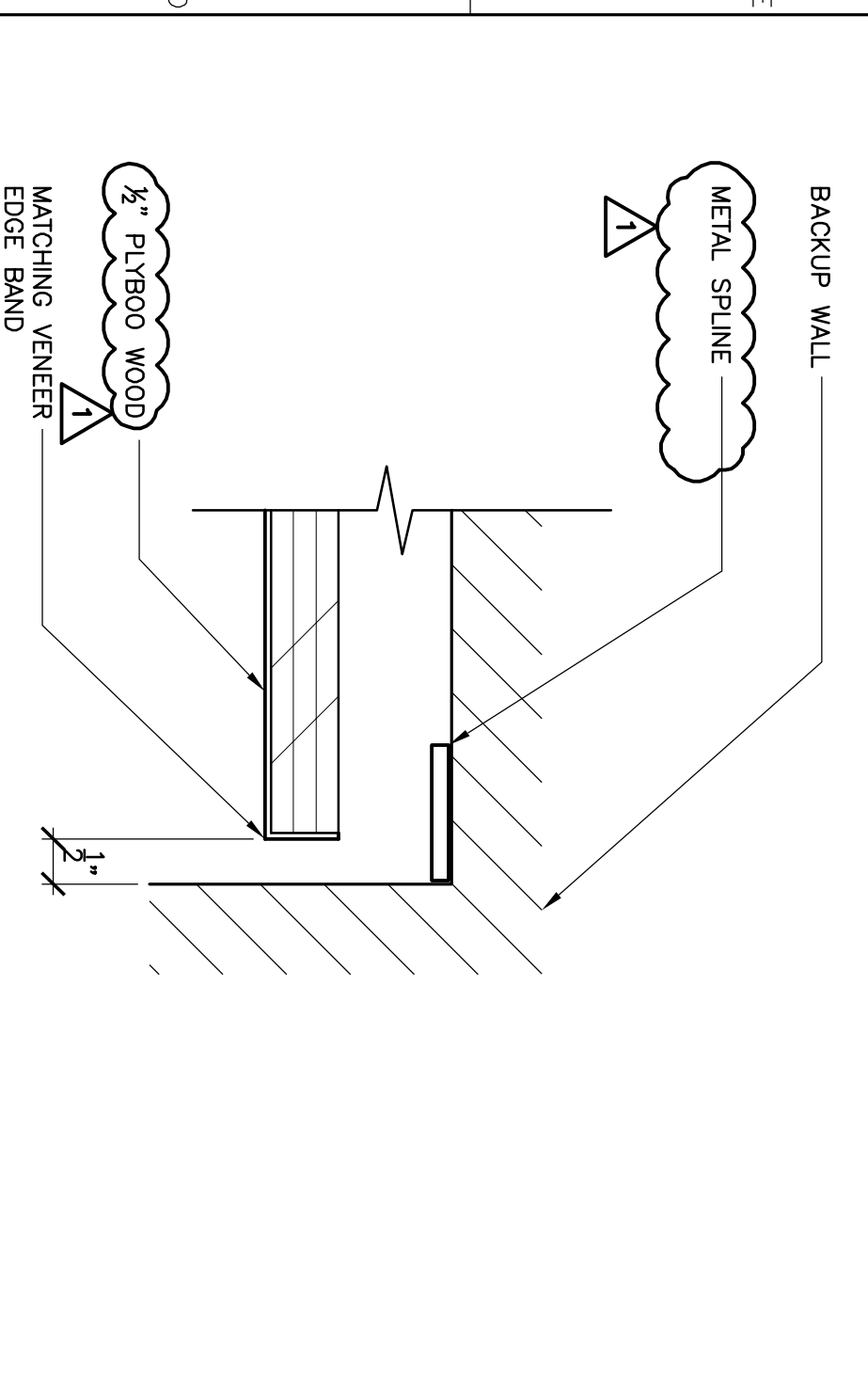
2 WOOD PANEL ZEE CLIP MOUNTING DETAIL
6'-1'-0"



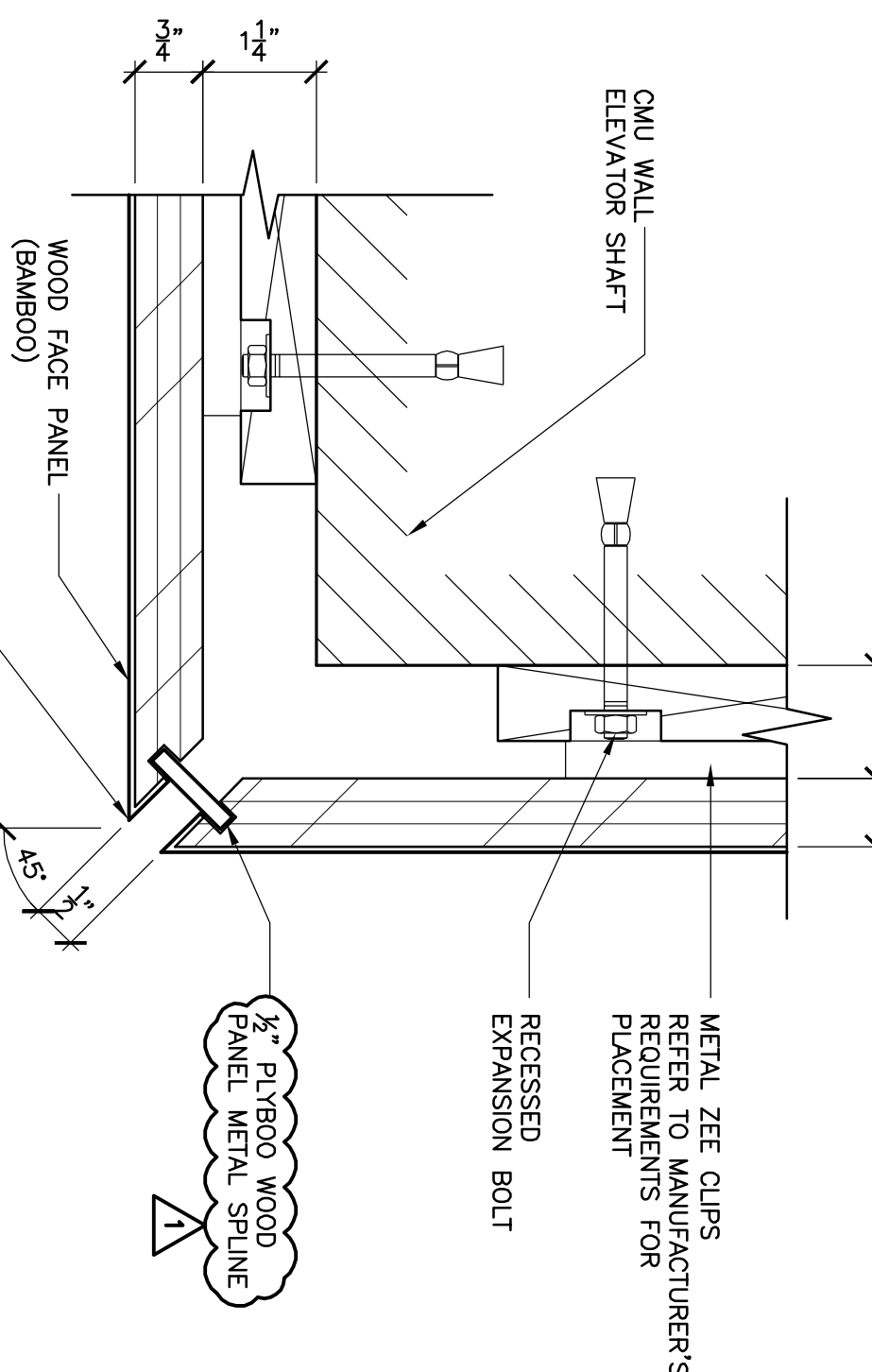
3 ELEVATOR HEAD DETAIL @ FIRST FLOOR
6'-1'-0"



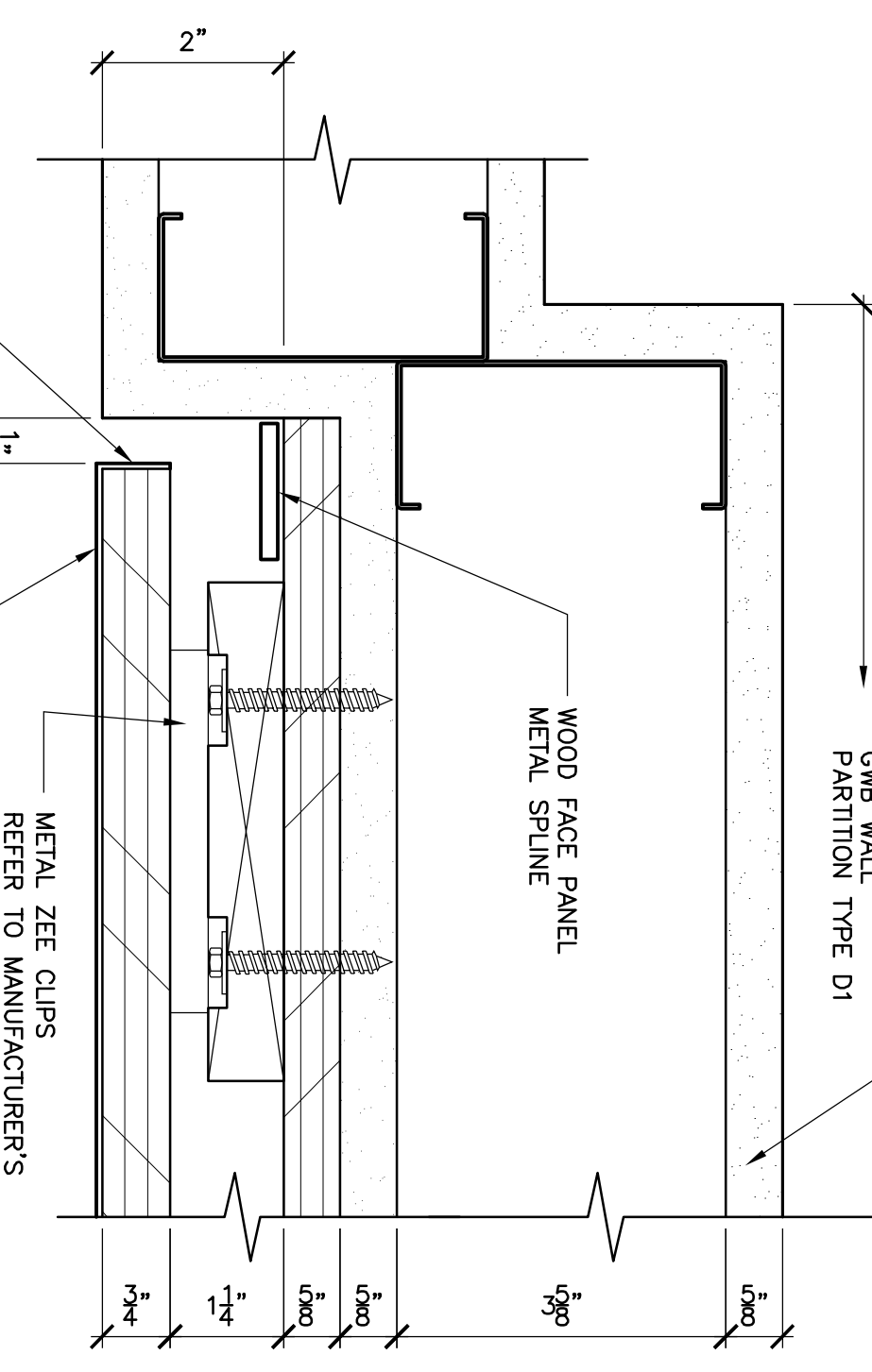
4 ELEVATOR HEAD DETAIL @ SECOND FLOOR
6'-1'-0"



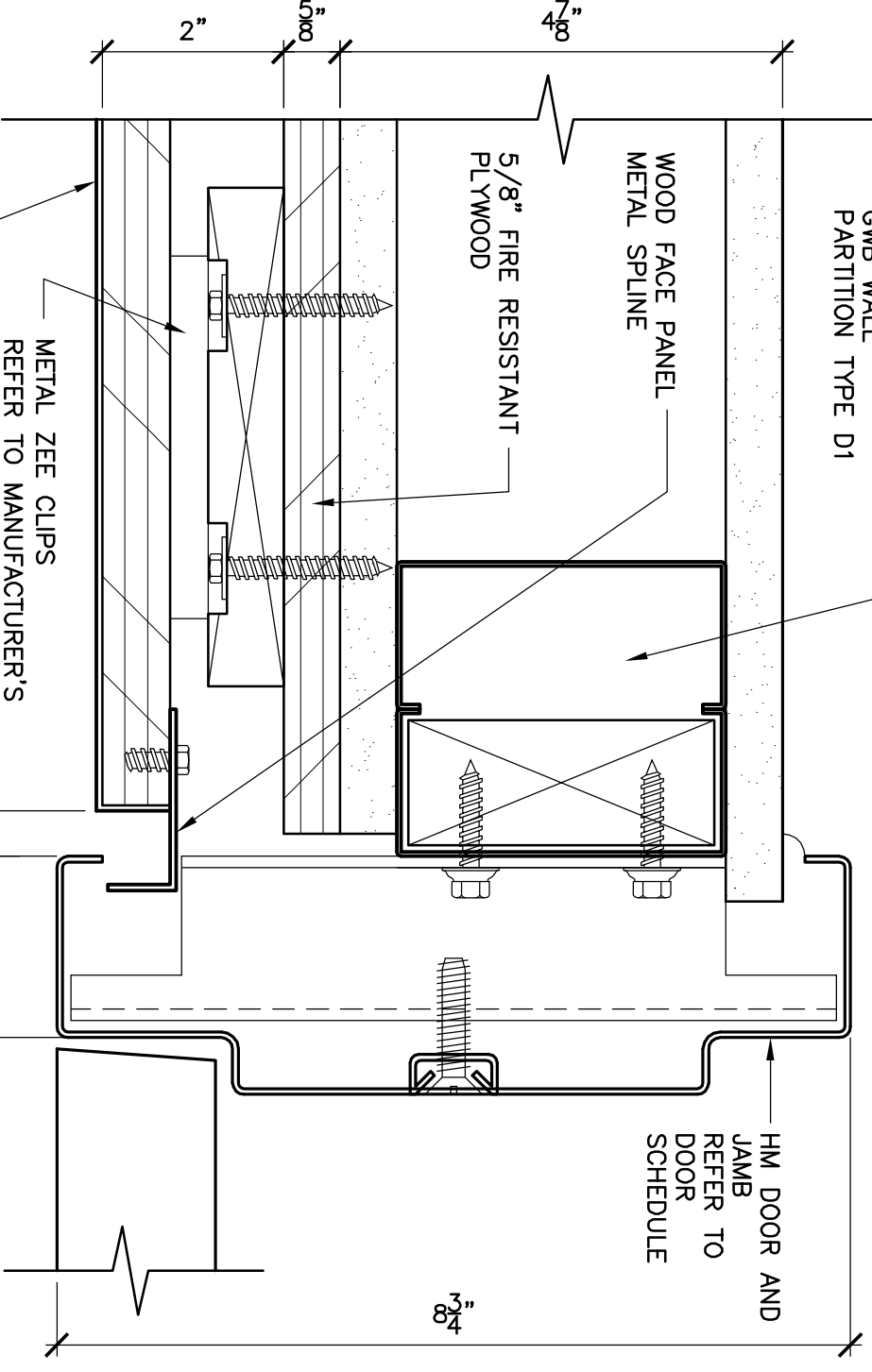
5 WOOD PANEL INSIDE CORNER DETAIL
6'-1'-0"



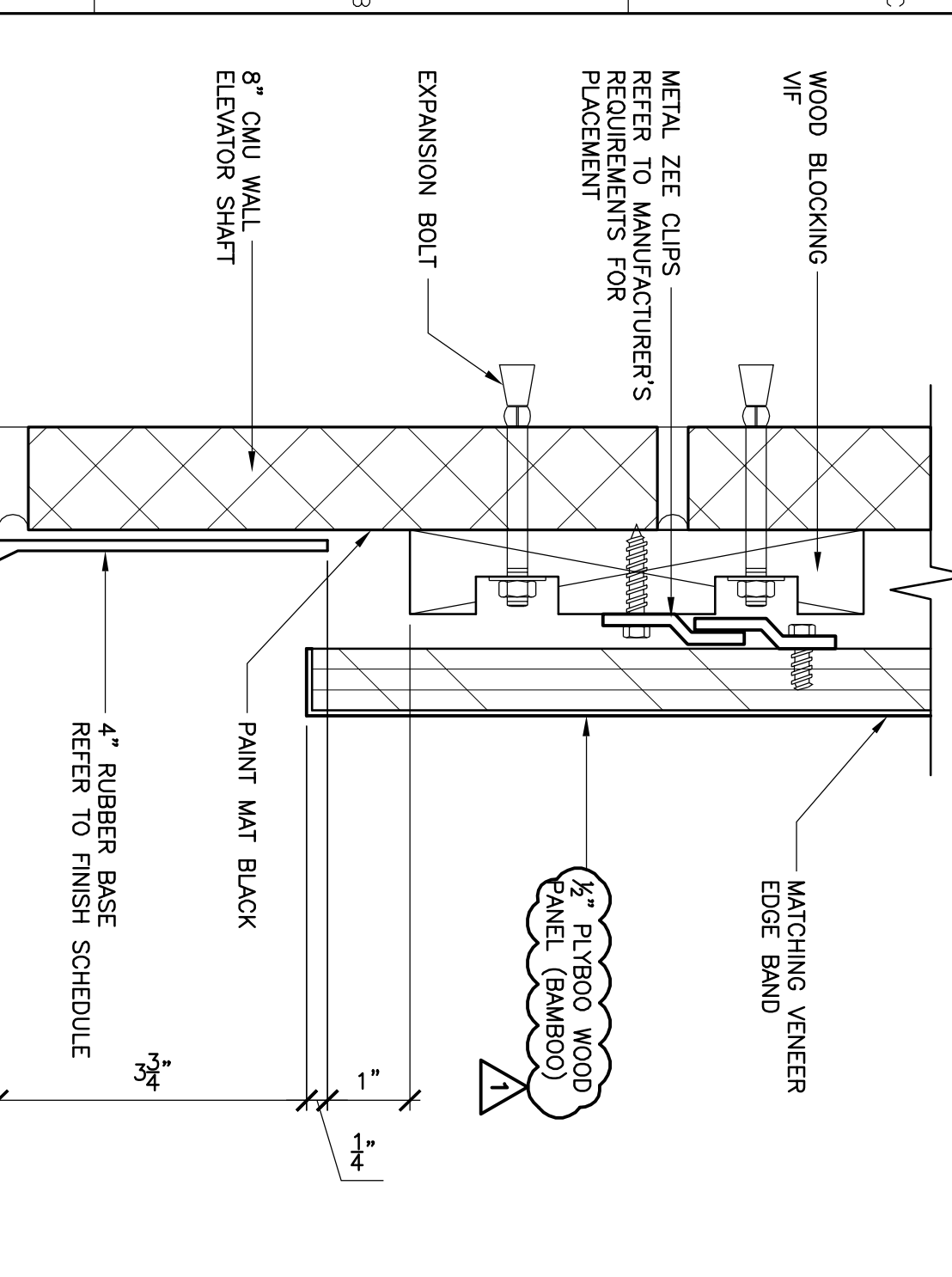
6 WOOD PANEL OUTSIDE CORNER DETAIL
6'-1'-0"



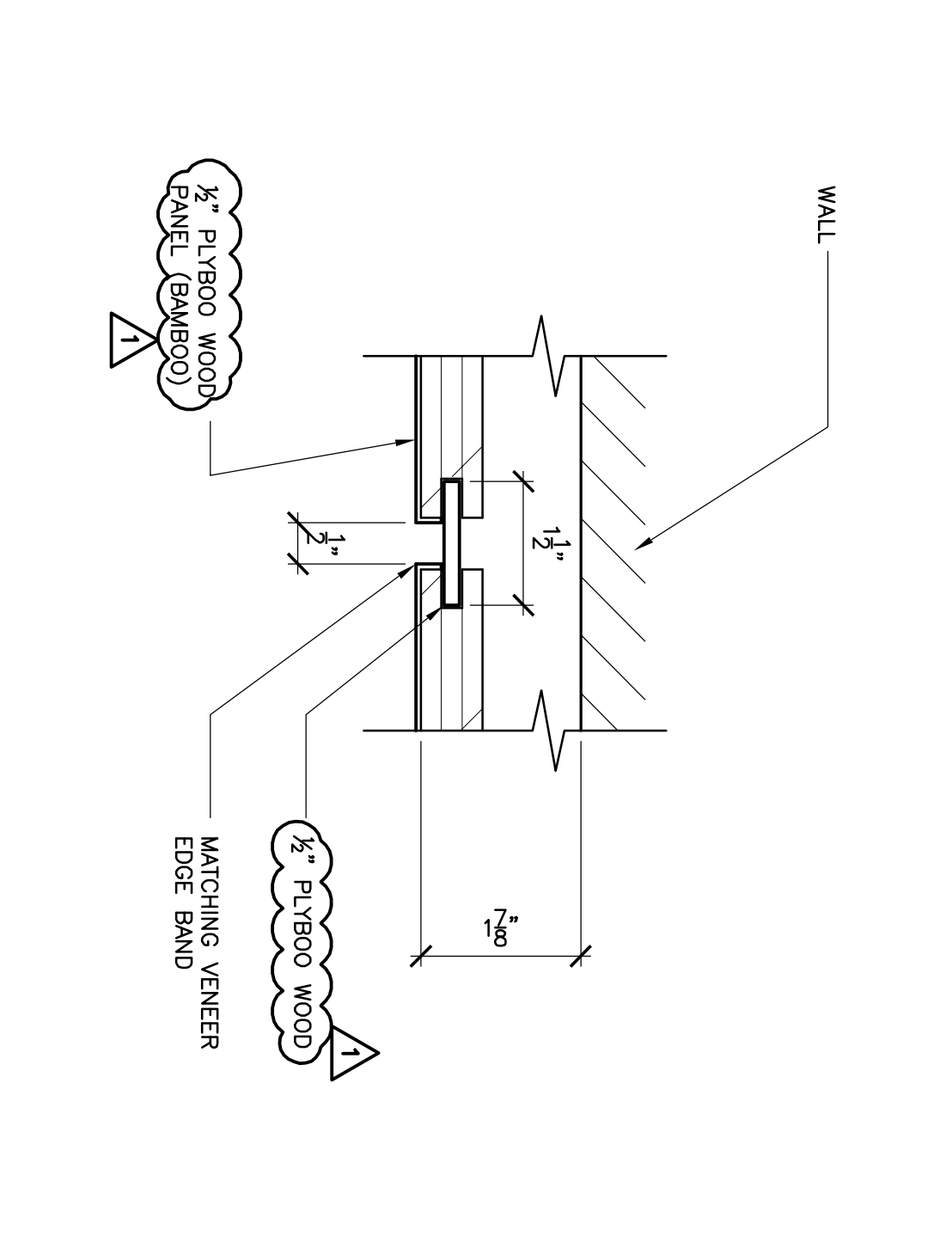
7 WOOD PANEL WALL DETAIL
6'-1'-0"



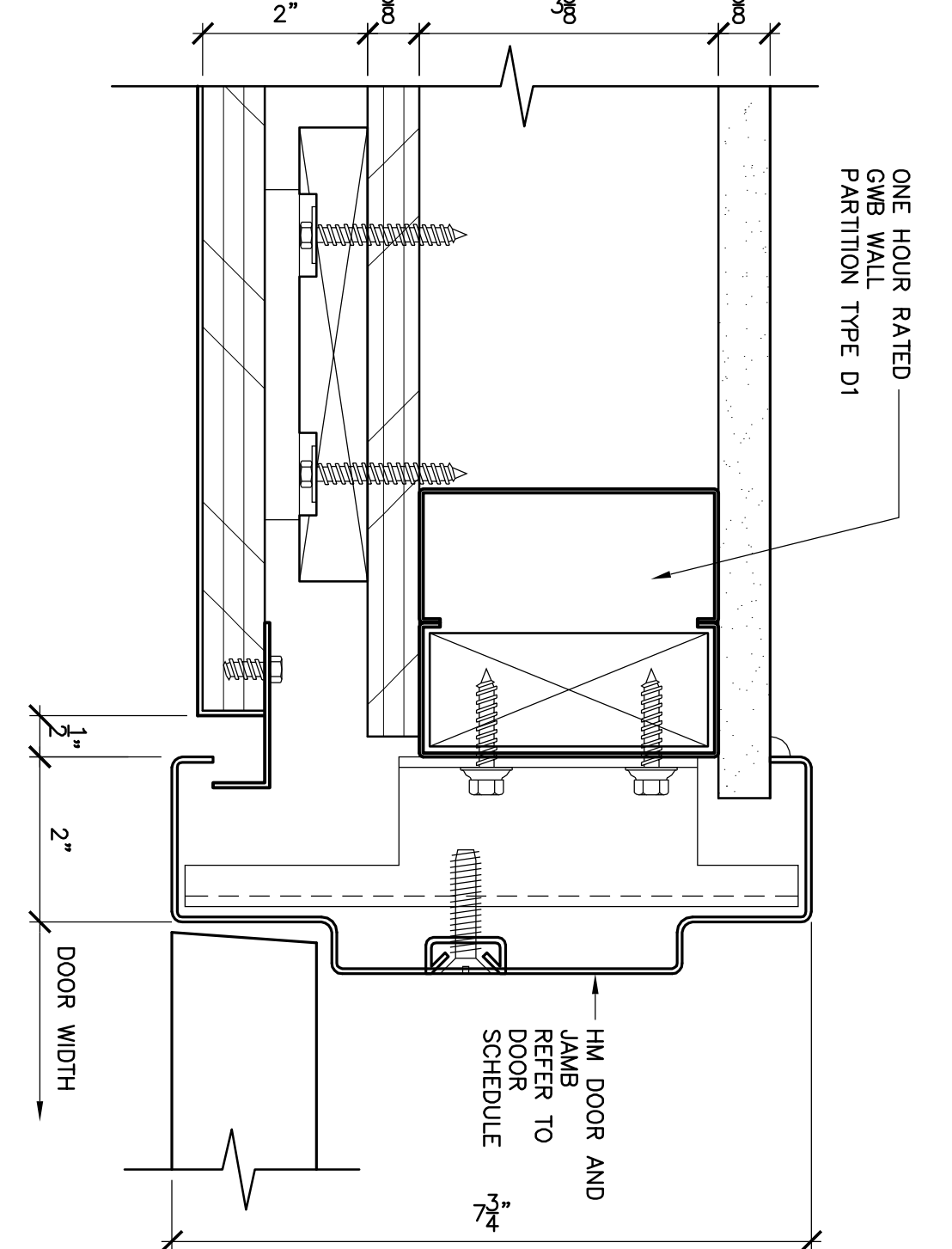
8 DOOR 212 JAMB DETAIL
6'-1'-0"



9 WOOD PANEL ZEE CLIP MOUNTING DETAIL
6'-1'-0"



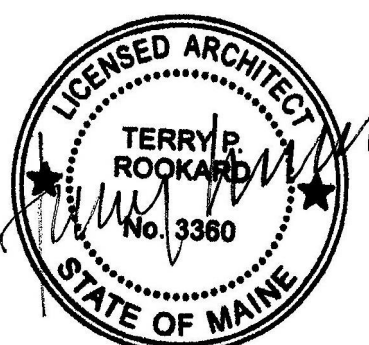
10 WOOD PANEL SIDE SPLINE DETAIL
6'-1'-0"



11 JANITOR DOORS 123 & 214 JAMB DETAIL
6'-1'-0"

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

SIGNATURE	TERRY P. ROOKARD
ARCH. LIN. NUMBER	3360
DATE	MAY 1, 2009



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
FED PIN NO:	DATE
PIN NO: 16123.50	

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY
WOOD PANEL DETAILS

REVISION NO.	REVISION DATE	DESCRIPTIONS
1	10/15/09	ADDENDUM NO 2

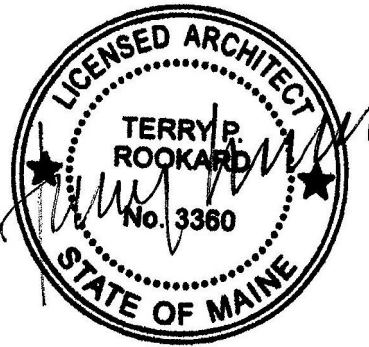
TRANSPORTATION
AECOM USA, Inc.
68 Long Wharf
Portland, Maine 04103
T 617.223.1700 F 617.223.9856
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Allied Engineering
160 Veranda Street
Portland, Maine 04103
T: 617.221.2260
F: 617.221.2266
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Allied Project No: 07010
Cod File: A7.30.dwg

1	2	3	4	5	6	7	8	9	10				
	<p>DESCRIPTION</p> <p>1 HR SHAFT WALL PARTITION</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>6" 20 GA CT METAL STUDS @ 24" OC</p> <p>1 LAYER 1" X 24" TYPE 'X' GYPSUM WALLBOARD PANELS</p> <p>METAL J STUD RECEIVER AT SILL AND HEAD</p> <p>FIRE SAFING AT HEAD</p> <p>1 HR SEALANT AT PERIMETER</p>		<p>DESCRIPTION</p> <p>METAL PANEL PARTITION</p> <p>1 LAYER OF 5/8" GYPSUM WALLBOARD</p> <p>6" 20 GA METAL STUDS @ 16" OC</p> <p>1 3/8" THICK X 24" WIDE METAL PANELS</p> <p>24 GAUGE W/ FACTORY FINISH</p> <p>PROVIDE METAL FLASHING W/ WATER PROOF SEALANT AT BUS WASH</p> <p>COLUIM LINE AC. ABOVE 8" CMU WALL</p> <p>8" 20 GA METAL STUDS @ 16" OC</p>		<p>DESCRIPTION</p> <p>FURROWED INTERIOR WALL</p> <p>BACK-UP WALL</p> <p>3 5/8" MTL STUDS @ 16" OC</p> <p>5/8" GYPSUM WALLBOARD TO 8" ABOVE FINISHED CEILING</p>		<p>DESCRIPTION</p> <p>1 HR GMB & METAL STUD PARTITION</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>6" 20 GA METAL STUDS @ 16" OC</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>1 HR SEALANT AT PERIMETER</p> <p>CHANNEL RECEIVER AND FIRE SAFING AT HEAD</p>		<p>DESCRIPTION</p> <p>2 HR GMB & METAL STUD PARTITION</p> <p>2 LAYERS 5/8" TYPE 'X' GYPSUM WALLBOARD, BOTH SIDES</p> <p>6" 20 GA METAL STUDS @ 16" OC</p> <p>SOUND ATTENUATION BATTS</p> <p>CHANNEL RECEIVER AT HEAD</p> <p>1 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS</p> <p>FIRE SAFING AT WALL HEAD</p>		<p>DESCRIPTION</p> <p>GMB & METAL STUD PARTITION</p> <p>5/8" GYPSUM WALLBOARD</p> <p>3-5/8" 20 GA METAL STUDS 16" OC</p> <p>SOUND ATTENUATION BATTS</p> <p>2 LAYERS 5/8" GYPSUM WALLBOARD</p> <p>CHANNEL RECEIVER AT HEAD</p> <p>USE MOISTURE RESISTANT GMB AT TOILET / SHOWER</p> <p>SOUND PROOFING SEALANT AT PERIMETER AND ALL PENETRATIONS</p>	<p>NOTES:</p> <p>1. FOR PAINT, TILE AND OTHER FINISHES, REFER TO FINISH SCHEDULE.</p> <p>2. COVER ALL EXPOSED GYPSUM WALLBOARD EDGES WITH "1" BEAD AND ALL EXPOSED CORNERS WITH CORNER BEADS.</p> <p>3. USE GYPSUM WALLBOARD AS FOLLOWS UNO:</p> <ul style="list-style-type: none"> INTERIOR PARTITIONS, FLURRING, ETC. USE 5/8" GYPSUM WALLBOARD FIRE RATED PARTITIONS USE 5/8" TYPE 'X' GYPSUM WALLBOARD JANITOR CLOSETS, SHOWERS, TOILETS, KITCHENS AND OTHER MOIST AREAS USE 5/8" MOISTURE RESISTANT GYPSUM WALLBOARD 	
	<p>DESCRIPTION</p> <p>CONSTRUCTION BOARD PARTITION</p> <p>BACK-UP WALL</p> <p>1 LAYER 1/2" CONSTRUCTION BOARD W/ FINISHED SURFACE</p> <p>MANUF. "DRAGON BOARD" OR APPROVED EQUAL BY ARCHITECT</p> <p>MOISTURE RESISTANT GROUT @ JOINTS AND SEAMS</p>		<p>DESCRIPTION</p> <p>CHASE</p> <p>3-5/8" 20 GA METAL STUDS 16" OC</p> <p>SOUND ATTENUATION BATTS</p> <p>2 LAYERS OF 5/8" GYPSUM WALLBOARD</p> <p>HORIZONTAL BRACING 8"-0" OC VERTICAL</p> <p>CHANNEL RECEIVER AT HEAD</p>		<p>DESCRIPTION</p> <p>FURROWED INTERIOR WALL</p> <p>BACK-UP WALL</p> <p>3 5/8" MTL STUDS @ 16" OC</p> <p>5/8" GYPSUM WALLBOARD TO 8" ABOVE FINISHED CEILING</p>		<p>DESCRIPTION</p> <p>1 HR GMB & METAL STUD PARTITION</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>6" 20 GA METAL STUDS @ 16" OC</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>1 HR SEALANT AT PERIMETER</p> <p>CHANNEL RECEIVER AND FIRE SAFING AT HEAD</p>		<p>DESCRIPTION</p> <p>2 HR GMB & METAL STUD PARTITION</p> <p>2 LAYERS 5/8" TYPE 'X' GYPSUM WALLBOARD, BOTH SIDES</p> <p>6" 20 GA METAL STUDS @ 16" OC</p> <p>SOUND ATTENUATION BATTS</p> <p>CHANNEL RECEIVER AT HEAD</p> <p>1 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS</p> <p>FIRE SAFING AT WALL HEAD</p>		<p>DESCRIPTION</p> <p>GMB & METAL STUD PARTITION</p> <p>5/8" GYPSUM WALLBOARD BOTH SIDES</p> <p>3-5/8" 20 GA METAL STUDS 16" OC</p> <p>1 LAYER 5/8" GYPSUM WALLBOARD</p> <p>CHANNEL RECEIVER AT HEAD</p> <p>FIRE SAFING AT WALL HEAD</p>		<p>DESCRIPTION</p> <p>GMB & METAL STUD PARTITION</p> <p>5/8" GYPSUM WALLBOARD BOTH SIDES</p> <p>3-5/8" 20 GA METAL STUDS 16" OC</p> <p>HORIZONTAL BRACING 8"-0" OC VERTICAL</p> <p>CHANNEL RECEIVER AT HEAD</p>
	<p>DESCRIPTION</p> <p>GMB & METAL STUD PARTITION</p> <p>5/8" GYPSUM WALLBOARD</p> <p>3-5/8" 20 GA METAL STUDS @ 16" OC</p> <p>SOUND ATTENUATION BATTS</p> <p>1 LAYER 1/2" CONSTRUCTION BOARD OR APPROVED EQUAL BY ARCHITECT</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>MOISTURE RESISTANT</p> <p>2 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS</p> <p>CHANNEL RECEIVER & FIRE SAFING</p>		<p>DESCRIPTION</p> <p>2 HR GMB & METAL STUD PARTITION</p> <p>2 LAYERS 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>6" 20 GA METAL STUDS @ 16" OC</p> <p>SOUND ATTENUATION BATTS</p> <p>CHANNEL RECEIVER AT HEAD</p> <p>1 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS</p> <p>FIRE SAFING AT WALL HEAD</p>		<p>DESCRIPTION</p> <p>1 HR GMB & METAL STUD PARTITION</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>6" 20 GA METAL STUDS @ 16" OC</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>1 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS</p> <p>FIRE SAFING AT WALL HEAD</p>		<p>DESCRIPTION</p> <p>GMB & METAL STUD PARTITION</p> <p>5/8" GYPSUM WALLBOARD BOTH SIDES</p> <p>3-5/8" 20 GA METAL STUDS 16" OC</p> <p>1 LAYER 5/8" GYPSUM WALLBOARD</p> <p>CHANNEL RECEIVER AT HEAD</p> <p>FIRE SAFING AT WALL HEAD</p>		<p>DESCRIPTION</p> <p>GMB & METAL STUD PARTITION</p> <p>5/8" GYPSUM WALLBOARD</p> <p>3-5/8" 20 GA METAL STUDS 16" OC</p> <p>SOUND ATTENUATION BATTS</p> <p>1 LAYER 1/2" CONSTRUCTION BOARD OR APPROVED EQUAL BY ARCHITECT</p> <p>1 LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD</p> <p>MOISTURE RESISTANT</p> <p>2 HR SEALANT AT PERIMETER AND ALL ALL PENETRATIONS</p> <p>CHANNEL RECEIVER & FIRE SAFING</p>				

<p>PROJECT INFORMATION</p> <p>PROGRAM -</p> <p>PROJECT MANAGER - WPF</p> <p>DESIGNER - TV</p> <p>CONSULTANT - ALLIED ENGINEERING</p> <p>PROJECT RESIDENT -</p> <p>CONTRACTOR -</p> <p>PROJECT COMPLETION DATE -</p>	<p>SIGNATURE - TERRY P. ROOKARD</p> <p>ARCH. LIN. NUMBER - 3360</p> <p>DATE - MAY 1, 2009</p>	<p>STATE OF MAINE DEPARTMENT OF TRANSPORTATION</p> <p>FED PIN NO: -</p> <p>PIN NO: 16123.50</p> <p>DATE -</p>
<p>MAINE DEPARTMENT OF TRANSPORTATION ACADIA GATEWAY FACILITY BUS MAINTENANCE FACILITY</p>		<p>SHEET NUMBER</p> <p>A8.02</p> <p>OF</p>



FAN SCHEDULE

TAG	SERVES	MANUFACTURER-MODEL	TYPE	DRIVE	CFM	SP (IN. W.C.)	MAX BHP	MOTOR HP	MAX RPM	VOLTS/ PH	MAX SONES	WEIGHT (LBS.)	DAMPER	NOTES
EF-1	MECHANICAL ROOM	COOK - GC-720	CEILING	DIRECT	320	0.4	124w	1/25	975	120 / 1	2.8	36	MOD	
EF-2	T/C ROOM	COOK - 100R15DH	ROOF TOP	DIRECT	200	0.4	72w	1/8	1228	120 / 1	4.8	30	MOD	
EF-3	LIFT BAY	COOK - 270ACRUB	ROOF TOP	BELT	4,800	0.6	0.99	1 1/2	692	208/3	13.1	340	MOD	
EF-4	BUS WASH	COOK - 210ACRUB	ROOF TOP	BELT	2,700	0.6	0.56	3/4	883	208/3	10.3	275	MIOD	
EF-5	BUS STORAGE	COOK - 150ACRUB	ROOF TOP	BELT	1,000	0.25	0.09	1/4	676	120 / 1	4.0	70	MOD	
EF-6	BATTERY CHARGING ROOM	COOK - 90R15DH	ROOF TOP	DIRECT	175	0.4	68w	1/8	1197	120 / 1	4.5	30	MOD	EXPLOSION PROOF
EF-7	GARGAGE ROOM	COOK - 90R15DH	ROOF TOP	DIRECT	200	0.25	60w	1/8	927	120 / 1	2.2	30	BDD	RUNS CONTINUOUSLY
SF-1	LIFT BAY	COOK - 270SQN-HP	INLINE	BELT	4,800	0.95	1.42	1.5	776	208/3	15.0	400	MOD	
SF-2	BUS WASH	COOK - 210SQN-B	INLINE	BELT	2,700	0.95	0.84	1	855	208/3	12.0	250	MOD	

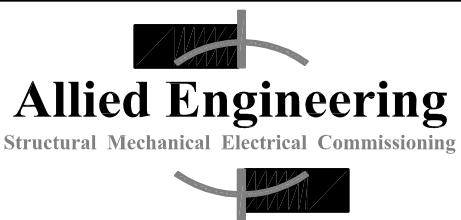
NOTES:

1. BELT DRIVE FANS SHALL BE SELECTED WITH MEDIUM DRIVE LOSS
2. DIRECT DRIVE FANS SHALL BE PROVIDED WITH FACTORY SPEED CONTROLLER
3. BDDs NOT INTEGRAL TO THE FAN SHALL BE INSTALLED AT/NEAR WALL CAP OR LOUVER.

REVISED FAN SCHEDULE ~ SHEET MH-104

MAINE DEPARTMENT OF TRANSPORTATION
ACADIA GATEWAY FACILITY
BUS MAINTENANCE FACILITY

Scale: NONE Date: 10-15-2009 Project No: 07010 Cad File: 07010M.DWG



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