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**ARCHITECT'S ADDENDUM NO. 01  
REVISION 1 DRAWINGS & SPECIFICATIONS**

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**TO: ALL HOLDERS OF BID CONSTRUCTION DOCUMENTS**

**PROJECT: SUGAR HILL ELEMENTARY SCHOOL-  
BUILDING MODIFICATIONS  
939 Level Creek Road  
Buford, GA 30518**

**OWNER: GWINNETT COUNTY BOARD OF EDUCATION  
Facility Planning Department  
53 Gwinnett Drive, Building C  
Lawrenceville, GA 30045**

**ARCHITECT: CHAPMAN GRIFFIN LANIER SUSSENBACH ARCHITECTS, INC.  
2500 Cumberland Pkwy, Suite 350  
Atlanta, GA 30339  
CGLS Project No. 11023**

**DATE: March 2, 2012**

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The items listed on the attached pages take precedence over referenced portions of Contract Documents for the project and, in executing a contract, shall become a part thereof.

Where any item called for in the Contract Documents is supplemented hereby, the original requirements shall remain in effect. All supplemental conditions shall be considered as added thereto.

Where any original item is amended, voided, or superseded hereby, the provisions of such items not so specifically amended, voided, or superseded shall remain in effect.

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**PART 1 - CHANGES TO THE DRAWINGS:**

- 1-1 Sheet A-8.1, Door, Storefront & Cabinet Elevations and Details: Delete this sheet in its entirety and substitute new attached Sheet A-8.1, dated Revised 3-2-12. Sheet revised to change countertops to post-formed plastic laminate type.

**PART 2 - CHANGES TO THE SPECIFICATIONS**

- 2-1 SECTION TABLE OF CONTENTS:  
A. Delete this section in its entirety and substitute the attached new Section, Table of Contents, dated Revised 3-2-2012.

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2500 Cumberland Parkway, Suite 350, Atlanta, GA 30339  
(404) 733-5493 fax (404) 733-6804

- 2-2 SECTION 00020, ADVERTISEMENT FOR BID:  
A. Delete Section 00020, Advertisement for Bid, in its entirety and add new Section 00020, attached and dated Revised 3-2-2012. Section is revised to clarify bid date and location of Pre-bid conference.
- 2-3 SECTION 02060, DEMOLITION:  
A. Add the attached new Section 02060, Demolition, in its entirety, dated Issued 3-2-2012.
- 2-4 SECTION 06200, FINISH CARPENTRY AND MILLWORK:  
A. Delete Section 06200, Finish Carpentry and Millwork, in its entirety and add new Section 06200 , dated Issued 3-2-2012.

**END OF ADDENDUM NO. 01**

Revised 3-2-12  
Addendum No.1

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DIVISION 4 - MASONRY

No Section Included

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SECTION AND DESCRIPTION ISSUED REVISED

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No Section Included

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No Section Included

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Revised 3-2-12  
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SECTION 00020

ADVERTISEMENT FOR BID

Sealed bids are requested by Gwinnett County Board of Education from general contractors for construction of:

SUGAR HILL ELEMENTARY SCHOOL - BUILDING RENOVATIONS

Bids will be received by the Gwinnett County Board of Education, at 53 Gwinnett Drive, Lawrenceville, Georgia 30045, in the Building C, Conference Room at:

**3:00 PM, LOCAL TIME, Tuesday, March 20, 2012.**

at which time and place the bids will be publicly opened and read aloud.

**Address the bid envelope to the attention of Mr. Tim Fisher, Manager of Facility Planning, Gwinnett County Board of Education.**

Fax transmittals and e-mails of bid form/proposal shall not be accepted by the Owner.

A copy of the bidding documents, including drawings and project manuals, shall be available for review at the office of the Architect, the offices of the Gwinnett County Board of Education at 53 Gwinnett Drive, Lawrenceville, GA 30045, Building C and the following plan rooms:

AGC - Builders Exchange Plan Room  
1940 The Exchange  
Suite 300  
Atlanta, Georgia 30339  
678-298-4130  
678-298-4134 (Fax)  
agcbex@isqft.com

AGC Plan Room  
C/O Gainesville Whiteprint  
312 Bradford Street  
Gainesville, Georgia 30501  
770-536-8254  
770-534-3174 (Fax)

CAD Media, Inc.  
100 Creekside Industrial Court, Suite A  
Lawrenceville, Georgia 30043  
770-682-1658  
770-682-9358 (Fax)  
cadmediaonline@gmail.com

D.E.C. INTERNATIONAL  
1503 Johnson Ferry Road  
Suite 50  
Marietta, Georgia 30062  
770-578-0025  
770-578-0249 (Fax)  
sales@dec-international.com

SUGAR HILL ELEMENTARY SCHOOL – BUILDING RENOVATIONS

GCPS Renovations

00020-2

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F.W. Dodge Plans Room/ McGraw Hill  
ReproMAX  
Clayton Digital Reprographics  
1000 Eisenhower Drive  
Suite G  
Savannah, Georgia 31406-4823  
404-303-6742  
Tiffany\_poole@mcgraw-hill.com

LDI Reprinting Center  
558 Old Norcross Road, Suite 205  
Lawrenceville, Georgia 30046  
770-237-9363  
770-237-2464 (Fax)  
lawrenceville@ldireprinting.com

Reed Construction Data  
(Formerly Construction Market Data)  
Document Processing Center  
30 Technology Parkway, South  
Suite 100  
Norcross, Georgia 30092-2912  
770-417-4000  
800-424-3996  
docprocessiong@reedbusiness.com

All Bidders must submit AIA Document A305, Contractors Qualification Statement, to be evaluated by the Owner and Architect, along with the bid set payment prior to being issued plans and specifications. Bidders who do not submit the AIA A305 will be subject to disqualification. The AIA A305 must show the Contractor's ability to complete the Contract in a satisfactory manner on projects of similar scope and complexity. References from past clients and projects must be included and will be verified. As part of the prequalification process, a **mandatory pre-bid conference**, March 7, 2012, at 11:00 AM at the Facility and Operations conference room in Building C, 53 Gwinnett Drive, Lawrenceville, Georgia. Failure to attend the pre-bid conference will result in disqualification of the Bidder. Any Bidder may be required, at the discretion of the Owner, to furnish evidence satisfactory to the Owner, that the proposed subcontractors have sufficient means and experience in the types of work called for to assure completion of the contract in a satisfactory manner. Any Bidder that is disqualified may respond to the Owner in writing within 20 days of the Notice of Disqualification as to why the Bidder feels that the disqualification is unfounded. The written appeal from the disqualified Bidder will not change the decision already made on this project. However, a favorable appeal may open the way for the Bidder in question to bid on future Gwinnett County Public School projects. In any case, the Owner's decisions shall be deemed final.

Bid Documents will be issued by:

**The Architect: Chapman Griffin Lanier Sussenbach Architects, Inc.**  
**2500 Cumberland Parkway**  
**Suite 350**  
**Atlanta, Georgia 30339**  
**(404) 733-5493**

SUGAR HILL ELEMENTARY SCHOOL – BUILDING RENOVATIONS

GCPS Renovations

00020-3

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to all interested parties upon receipt of a request, AIA A305 and accompanied by a non-refundable check made payable to the issuing party above in the amount of:

**\$125.00 per set.**

For Contractors pre-qualified in accordance with the requirements listed above – requests for electronic copies of scanned files in Portable Document Format (PDF) must be accompanied by a non-refundable check made payable to the issuing party above in the amount of:

**\$50.00 per set.**

Bid documents will be delivered or shipped post paid, as soon as possible.

Contract, if awarded, will be on the basis stated in the Instructions to Bidders. No bid may be withdrawn for a period of 60 days after bid opening.

Bids must be accompanied by a bid bond made payable to the Gwinnett County Board of Education, in the amount equal to 5 percent of the bid price. (Certified or Personal Checks Not Acceptable.) The successful bidder will be required to furnish a Performance Bond and a Payment Bond acceptable to the Gwinnett County Board of Education in an amount equal to 100 percent of the contract price and executed by a Surety Company licensed to do business in the State of Georgia and listed in the Department of the Treasury Circular 570, latest edition.

**The Surety Company shall have an A.M. Best Company minimum rating of "A" with a financial size of VI "6" or better.** Bonds must be accompanied by letter stating bonding company's current rating for verification prior to acceptance by the Owner and execution of the formal Owner/Contractor agreement.

Bonding of Subcontractors: Include in the Base Bid, Performance and Labor and Materials Payment Bonds, each in 100% of the subcontract sum, for each Subcontractor having a contract of \$50,000.00 or more for Roofing, HVAC, Plumbing, Sprinkler System, Structural Steel Fabricators, Structural Steel Erectors and Electrical Work, as required by the General Conditions. The General Contractor cannot change major subcontractors after bid.

Contractor and Subcontractor shall require the Attorney-in-Fact who executes bonds on behalf of sureties to attach a certified, current copy of his Power of Attorney.

The Gwinnett County Board of Education reserves the right to award the project on whatever basis is in the interest of the Owner and to accept or reject any or all bids and to waive technicalities and informalities.

BY: Mr. Tim Fisher  
TITLE: Manager of Facility Planning, Gwinnett County Board of Education  
DATE: February 21, 2012

END OF SECTION

Issued 3-2-2012  
Addendum 1

SECTION 02060

DEMOLITION

1.0 GENERAL

1.1 SUMMARY:

- A. This Section includes the following:
1. Demolition and removal of selected portions of a building.
  2. Provide sheeting, shoring and bracing as may be required for phased demolition and construction.
  3. Patching and repairs.
- B. Related Sections: The following Sections contain requirements that relate to this Section:

Section 01010: Summary of Work: for use of the building and phasing requirements.

Section 01045: Cutting and Patching: for cutting and patching procedures for selective demolition operations.

1.2 DEFINITIONS:

- A. Remove: Remove and legally dispose of items except those indicated to be reinstalled, salvaged, or to remain the Owner's property.
- B. Remove and Salvage: Items indicated to be removed and salvaged remain the Owner's property. Remove, clean, and pack or crate items to protect against damage. Identify contents of containers and deliver to Owner's designated storage area.
- C. Remove and Reinstall: Remove items indicated; clean, service, and otherwise prepare them for reuse; store and protect against damage. Reinstall items in the same locations or in locations indicated.
- D. Remove and Install New: Remove and dispose of items indicated and install new items in the same location (or in the location indicated).
- E. Existing to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by the Architect, items may be removed to a suitable, protected storage location during selective demolition and then cleaned and reinstalled in the original locations.

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1.3 MATERIALS OWNERSHIP:

- A. Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain the Owner's property, demolished materials shall become the Contractor's property and shall be removed from the site with further disposition at the Contractor's option.

1.4 SUBMITTALS:

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specifications Sections, for information only, unless otherwise indicated.
  - 1. Proposed dust control measures.
  - 2. Proposed noise control measures.
- B. Schedule of selective demolition activities indicating the following:
  - 1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity.
  - 2. Interruption of utility services.
  - 3. Coordination for shutoff, capping, and continuation of utility services.
  - 4. Detailed sequence of selective demolition and removal work to ensure uninterrupted progress of Owner's on-site operations.
  - 5. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.
  - 6. Locations of temporary partitions and means of egress.
- C. Inventory of items to be removed and salvaged.
- D. Inventory of items to be removed by Owner.
- E. Photographs or videotape, sufficiently detailed, of existing conditions of adjoining construction and site improvements that might be misconstrued as damaged caused by selective demolition operations.
- F. Record drawings at Project close-out according to Division Section 01700, "Contract Close-out."
  - 1. Identify location of capped utilities. Provide lateral location dimensions and depth of utility as surveyed from the established campus floor level elevations.
- G. Landfill records indicating receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.

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1.5 QUALITY ASSURANCE:

A. Regulatory Requirements:

1. Comply with governing EPA notification regulations before starting selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
2. Comply with applicable demolition requirements of Cobb County and the State of Georgia.

B. Referenced documents: Manual for erosion and sediment control in Georgia, current edition.

C. Qualifications: The person employed by the Contractor to survey the condition of capped utilities shall be a professional Surveyor licensed in the state, which the Project is located.

D. The contractor is to retain the services of an independent underground utility locating service and conform to the governmental requirements for public utilities.

1.6 PROJECT CONDITIONS:

A. Owner will occupy portions of the building immediately adjacent to selective demolition area. Conduct selective demolition so that the Owner's operations will not be disrupted. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.

B. Storage or sale of removed items or materials on-site will not be permitted.

C. Existing Conditions: After the project is begun, the Contractor is responsible for the condition of structures to be demolished. The Owner does not warrant that the condition of structure to be demolished will not have changed since the time of inspection bidding purposes.

D. Unforeseen Conditions: Should unforeseen conditions be encountered that affect design or function of project, investigate fully and submit an accurate, detailed, written report to the Architect. While awaiting the Architect's response, reschedule operations if necessary to avoid delay of overall project.

1.7 SCHEDULING:

A. Arrange selective demolition schedule so as not to interfere with Owner's on-site operations.

## 2.0 PRODUCTS

### 2.1 REPAIR MATERIALS:

- A. Use repair materials identical to existing materials:
  - 1. Where identical materials are unavailable or cannot be used for exposed surfaces, use materials that visually match existing adjacent surfaces to the fullest extent possible.
  - 2. Use materials whose installed performance equal or surpass that of existing materials.

## 3.0 EXECUTION

### 3.1 EXAMINATION:

- A. Verify that utilities have been disconnected and capped.
- B. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- C. Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.
- D. Insofar as it is practicable, arrange operations to reveal unknown or concealed structural conditions for examination and verification before removal or demolition.
- E. When unanticipated mechanical, electrical, or structural elements that conflict with the intended function or design are encountered, investigate and measure the nature and extent of the conflict. Promptly submit a written report to the Architect.
- F. Survey the condition of the building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of the structure or adjacent structures during selective demolition.
- G. Perform continuing surveys as the Work progresses to detect hazards resulting from selective demolition activities.

### 3.2 UTILITY SERVICES:

- A. Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.

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1. Do not interrupt existing utilities serving occupied or operating facilities, except when authorized in writing by Owner and authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to Owner and to governing authorities.
  2. Provide not less than 72 hours' notice to Owner if shutdown of service is required during changeover.
- B. Utility Requirements: Locate, identify, disconnect, and seal or cap off indicated utility services to be selectively demolished.
1. Arrange to shut off indicated utilities with utility companies.
  2. Where utility services are required to be removed, relocated, or abandoned, provide bypass connections to maintain continuity of service to other parts of the building before proceeding with selective demolition.
  3. Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal the remaining portion of pipe or conduit after bypassing.
  4. Identify location of capped utilities on project record documents.

### 3.3 PREPARATION:

- A. Hazardous materials are present in the existing facilities. Reference Specification Section 02071, Asbestos Abatement for demolition requirements.
- B. Conduct demolition operations and remove debris to ensure minimum interference with roads, streets, walks, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations.
- C. Conduct demolition operations to prevent injury to people and damage to adjacent buildings and facilities to remain. Ensure safe passage of people around selective demolition area.
1. Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction.
  2. Protect existing site improvements, appurtenances, and landscaping to remain.
  3. Erect a plainly visible fence around drip line of individual trees or around perimeter drip line of groups of trees to remain.

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3.4 EXPLOSIVES: Explosives are not permitted.

3.5 POLLUTION CONTROLS:

- A. Use water mist, temporary enclosures, and other suitable methods to limit the spread of dust and dirt. Comply with governing environmental protection regulations.
  - 1. Do not use water when it may damage existing construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.
- B. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
  - 1. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level.
- C. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before start of selective demolition.

3.6 DEMOLITION – GENERAL:

- A. Perform work in a systematic manner.
- B. Demolish and remove existing construction only to the extent required by new construction and as indicated in the contract documents.
- C. Use any methods permitted by governing regulations and the requirements of the contract documents.

3.7 DEMOLITION ON OR BELOW GRADE:

- A. Where portions of concrete slabs-on-grade are to be removed, first outline the portion with a concrete saw to a depth of at least 1 inch.
- B. Remove concrete slabs-on-grade.
- C. Completely remove below grade construction, including foundations and footings.
- D. Contractor is to coordinate the subsurface demolition with the phased utility demolition and construction. The demolition of below grade items shall not interrupt any existing or proposed utility services.

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3.8 FILLING BELOW-GRADE AREAS AND VOIDS:

- A. Completely fill below-grade areas and voids resulting from demolition of structures.
- B. Use only clean, non-frozen, and approved soil material, stone, gravel, or sand that is free from deleterious materials.
- C. Do not place fill on saturated or frozen grade, frost, or deleterious material.
- D. Place fill materials in 6-inch loose lifts and compact at optimum moisture content tot original density of adjacent ground.
- E. Grade completed surface to drain and to meet adjacent contours.

3.9 DISPOSAL OF DEMOLISHED MATERIALS:

- A. General: Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site.
- B. Burning: Do not burn demolished materials.
- C. Disposal: transport demolished materials off Owner's property and legally dispose of them.
- D. Removed decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.

3.10 REPAIRS AND PATCHING:

- A. Repair excess demolition.
- B. Employ skilled workmen to perform repair work.
- C. Where installation of similar new work is included, perform repairs in manner specified for installation of new work.
- D. Where similar new work is not included in the project, perform repairs using approved materials that are appropriate to the repair and, where practicable, are identical to the existing materials being repaired.
- E. Restore exposed finished patched areas in a manner, which eliminates evidence of repairs.
  - 1. Continuous surfaces: Extend refinish to nearest intersection, with a neat transition to adjacent surfaces.
  - 2. Assemblies: Refinish entire unit.

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3. Painted piping, conduit and duct: Clean and repaint.

3.11 CLEANING:

- A. Remove tools and equipment. Dispose of scrap.
- B. Leave exterior areas free of debris.
- C. Existing structures and site features to remain shall be returned to the condition prior to the commencement of construction.
- D. Sweep the building broom clean on completion of selective demolition operation.
- B. Change filters on air-handling equipment on completion of selective demolition operations.

END OF SECTION

Addendum No. 1  
Revised 03-02-12

SECTION 06200

FINISH CARPENTRY AND MILLWORK

1.0 GENERAL

1.1 SUBMITTALS:

- A. Shop Drawings: Submit for millwork items including cabinet work, standing and running trim, and paneling. Indicate construction and installation details, species and grades of materials, finishes, plastic laminate selections, cabinet hardware and methods of anchorage.
- B. Fire-retardant treatment certification: Submit for Architect's information only. Submit certification by treating plant indicating that fire-retardant treatment materials comply with specified requirements and that treatment will not bleed through finished surfaces.

1.2 DELIVERY, STORAGE AND HANDLING:

- A. Immediately upon delivery to jobsite, place materials indoors, protected from the weather.
- B. Store materials a minimum of 6" off floor on framework or blocking and cover with protective waterproof covering providing for adequate air circulation and ventilation. Store materials in a dry, conditioned space.
- C. Protect edges, ends, corner and surfaces of millwork fabrications from damage.

1.3 JOB CONDITIONS:

- A. Field measurements: Take field measurements to ascertain exact sizes for millwork fabrication. Indicate exact dimensions on shop drawings.
- B. Install no interior finish carpentry or millwork until spaces are enclosed, dry and capable of being heated. Maintain temperature between 55°F. and 80°F. and maximum relative humidity of 25% to 55% for 72 hours before beginning installation and afterwards until Date of Substantial Completion.

1.4 QUALITY ASSURANCE:

SUGAR HILL ELEMENTARY SCHOOL – BUILDING RENOVATIONS

GCPs Renovations

06200-2

CGLS-11023

Finish Carpentry and Millwork

Addendum No. 1

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- A. Mockups: Before fabricating and installing interior cabinets, build mockups for each form of construction and finish required to verify selections made under sample Submittals and to demonstrate aesthetic effects and qualities of materials and execution. Build mockups to comply with the following requirements, using materials indicated for the completed Work:
1. Build mockups in the location and of the size indicated or, if not indicated, as directed by Architect.
  2. Notify Architect seven days in advance of dates and times when mockups will be installed.
  3. Demonstrate the proposed range of aesthetic effects and workmanship.
  4. Obtain Architect's approval of mockups before starting interior cabinet fabrication.
  5. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
  6. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- B. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Meetings."
- C. Applicable standards; comply with the following:
1. Standards of the following as referenced herein:
    - a. American Institute of Timber Construction (AITC).
    - b. American National Standards Institute (ANSI).
    - c. American Society for Testing and Materials
    - d. Hardwood Plywood Manufacturers Association (HPMA).
    - e. National Electric Manufacturers Association (NEMA).
    - f. National Fire Protection Association (NFPA).
    - g. Underwriters Laboratories, Inc. (UL).
  2. Wood products: Standards of the U.S. Department of Commerce, as follows:
    - a. Lumber: PS 20-70.
    - b. Softwood plywood: PS 1-74.
  3. Plywood: Standards of the American Plywood Association (APA).
  4. Standards for architectural millwork and cabinetry: Architectural Woodwork Institute (AWI), "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program," Fifth Edition, 1988, herein referred to as AWI Standards. Work shall comply with applicable portions of AWI Standards.
  5. Current grading rules of the following industry associations apply to wood products:

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- a. National Hardwood Lumber Association (NHLA).
  - b. Redwood Inspection Service (RIS).
  - c. Southern Pine Inspection Bureau (SPIB).
  - d. West Coast Lumber Inspection Bureau (WCLB).
  - e. Western Wood Products Association (WWPA).
- D. Grade marks: Identify lumber and plywood by official grade mark. Grade marks on components to be exposed to view shall be located so as to be concealed in finished work.
1. Lumber: Grade stamp shall contain symbol of grading agency, mill number or name, grade of lumber, species or species grouping or combination designation, rules under which graded, where applicable, and condition of seasoning at time of manufacturer.
  2. Plywood: Appropriate grade trademark of the American Plywood Association (APA). Indicate type, grade, class and identification index, and inspection and testing agency mark.
  3. Fire-retardant-treated wood products: Fire-retardant-treated lumber and plywood shall bear the stamp of Underwriters Laboratories, Inc. (UL) or other approved independent inspection agency, indicating treatment type or name, flame spread and treatment plant.

## 2.0 PRODUCTS

### 2.1 GENERAL REQUIREMENTS:

- A. Dimensions: Indicated lumber dimensions are nominal. Comply with PS 20-70.
- B. Moisture content: 19% maximum moisture content at time of permanent closing in of building, except as otherwise specified.
- C. Surfacing: Surface four sides (S4S), unless otherwise noted.
- D. Grades for exposed and semi-exposed finish carpentry and millwork lumber and plywood are based on AWI Quality Standards, unless otherwise specified. Grades for unexposed work are based on referenced grading rules.

2.2 LUMBER:

A. Species and grades:

1. Unexposed millwork framing and blocking: Standard Grade Lumber.
2. Semi-exposed millwork components: Poplar, plain sawn, No. 1 Common or Better grade, kiln dried.
3. Exposed and semi-exposed painted millwork and trim:
  - a. Species: Poplar, FAS grade, or White Pine, B and Better grade; kiln-dried.
  - b. Cut: Plain sawn.
  - c. AWI Lumber Grade: II.
4. Exposed and semi-exposed stained millwork and trim:
  - a. Species: Red Oak, FAS grade, kiln-dried.
  - b. Cut: Plain sliced.
  - c. AWI Lumber Grade: II.
5. Pressure treated lumber (Min. 2 x 4): All base framing for floor-mounted cabinets

2.3 SHEET MATERIAL:

A. Plywood (Cabinet backs and drawer bottoms):

1. Unexposed and semi-exposed millwork and general carpentry: APA B-C EXT, Group I; B face for surfaces to receive plastic laminate and "C" face for semi-exposed surfaces.

B. Medium Density Fiberboard (MDF) (Cabinet cases, doors, drawer fronts and shelves):

1. Type: Meeting ANSI A208.2-2002, Class MD-Exterior Glue.
2. Characteristics: Mat-formed, medium density board composed of wood particles or chips bonded with thermosetting resin, heat and pressure cured; minimum 47 pcf density.

C. Medium Density Fiberboard (MDF) (Cabinet tops):

3. Type: Industrial Grade with a 24-hour thickness swell factor of 5 percent or less and a 24-hour water absorption factor of 10 percent or less.
4. Characteristics: Mat-formed, medium density board composed of wood particles or chips bonded with thermosetting resin, heat and pressure cured; minimum 47 pcf density.

D. Plastic laminates:

1. Acceptable products:
  - a. Formica Corp., Formica.
  - b. Nevamar Corp., Nevamar.
  - c. Ralph Wilson Plastics Co., WilsonArt.
2. Type: Conforming to NEMA Standard LD-3-2005, as follows:
  - a. Horizontal applications: Grade HGS (0.048" nominal thickness).
  - b. Vertical application: Grade VGS (0.028" nominal thickness).
  - c. Backing sheet: Grade BKL (0.020" nominal thickness).
  - d. Cabinet liner: Grade CLS (0.020" nominal thickness).
3. Colors, textures and patterns: As indicated.

2.4 TREATED WOOD MATERIALS:

A. Interior fire-retardant-treated wood:

- 1\*. Acceptable product; subject to compliance with specified requirements: Hickson Corporation, Dricon.  
*\*No substitutions will be permitted.*
2. Description: Pressure-impregnated with a chemical retardant tested and listed by Underwriters Laboratories, Inc. (UL) to provide a 25 maximum flame spread when tested in accordance with ASTM E84-84, subject to extended thirty minute duration showing no progress in flame spread of more than 10'-6" beyond centerline of burners, with no evidence of significant progressive combustion.
3. Surface burning characteristics: FR-S rating in accordance with Underwriters Laboratories, Inc. (UL).
4. AWPA standard:
  - a. Lumber: C20-84, Interior Type A.
  - b. Plywood: C27-84, Interior Type A.
5. Seasoning: Kiln-dried after treatment to the following maximum moisture content:
  - a. Lumber: 19%.
  - b. Plywood: 15%.
6. Hygroscopicity: Maximum 28% equilibrium moisture content when tested in accordance with ASTM D3201-79 at 92% relative humidity.
7. Use Fire retardant treated wood materials for fabrications indicated. Provide species and grades as specified herein for treatment.

2.5 PLASTIC-LAMINATE CABINETS:

- A. Quality Standard: Comply with AWI Section 400 requirements for laminate cabinets.
- B. Grade: Custom.
- C. AWI Type of Cabinet Construction: Flush overlay. All base cabinets shall be set on and anchored to separate preservative treated 2x4 base framing.
- D. Doors and Drawer Fronts: Balanced construction with high pressure plastic laminate exterior and high pressure cabinet liner interior, with 90 degree 3/8 inch radiused post-formed vertical edges.
  - 1. Drawer fronts and hinged doors are to overlay the cabinet body. Maintain a consistent, yet maximum 1/8 inch reveal between pairs of doors, between door and drawer front, or between multiple drawer fronts within the cabinet and between doors/drawers from one cabinet to the next.
  - 2. Top and bottom edges shall be 3 mm thick PVC color-thru in manufacturer's standard color selections, color-matched to the high pressure plastic laminate colors.
  - 3. Outer edges of edging shall be machine-radiused and buffed for a consistent profile.
- E. Case, Drawer Box and Shelves Edges: 1 mm thick PVC color-thru in manufacturer's standard color selections, color-matched to the high pressure plastic laminate colors.
- F. Materials for Semiexposed Surfaces: Provide surface materials indicated below:
  - 1. Surfaces Other Than Drawer Bodies: High-pressure decorative laminate White in color, Grade VGS.
  - 2. Drawer Sides and Backs: Solid-hardwood lumber.
  - 3. Drawer Bottoms: Hardwood plywood.
- G. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
  - 1. Refer to Finish Material Legend for GCPs standard colors and textures.

2.6 PLASTIC-LAMINATE COUNTERTOPS:

- A. Quality Standard: Comply with AWI Section 400 requirements for high-pressure decorative laminate countertops.
- B. Grade: Custom.
- C. High-Pressure Decorative Laminate Grade: HGP (0.039" nominal thickness for post-formed countertops).
- D. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
  - 1. Refer to Finish Material Legend for GCPS standard colors and textures.
- E. Edge Treatment: Same as laminate cladding on horizontal surfaces.
- F. Core Material: Medium Density Fiberboard (MDF).
- G. Core Material at Sinks: Industrial Grade with a 24-hour thickness swell factor of 5 percent or less and a 24-hour water absorption factor of 10 percent or less.

2.7 CABINET HARDWARE AND ACCESSORIES:

- A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets.
- B. Hardware Standard: Comply with BHMA A156.9 for items indicated by referencing BHMA numbers or items referenced to this standard.
- C. Hinges: BHMA A156.9, B01521, 5 knuckle, dull chrome, wrap-around type, Stanley # 1592 or approved equal.
- D. Door & Drawer Pulls: Wire pulls to be dull chrome, 4-inch centers. Epcos Chrome "MC 4032.5" or equal by Epcos or Blum.
- E. Catches: Magnetic catches shall be Stanley #SPHG (AL) or equal by Epcos or Blum; BHMA A156.9, B03141
- F. Shelf Rests: BHMA A156.9, B04013.
- G. Drawer Slides: Bottom mounted, epoxy coated, full-extension with 75lb min. load rating. Blum #BF230E or approved equal.

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- H. Door Locks: BHMA A156.11, E07121, disc tumbler type, chrome finish. Provide locks where indicated on Cabinet Elevation Drawings. Key all locks on doors and drawers within each individual room alike; when applicable.
- I. Door & Drawer Pulls: Wire type, 4" centers, dull chrome finish.
- J. Door Bumpers: Door bumpers shall be Blum Clear "TP150" or equal by Stanley or Epco.
- K. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
  - 1. Chromium plated over nickel silver: US26D.
  - 2. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

2.8 RUBBER BASE (RB) FOR CABINET TOE-KICKS:

- A. Acceptable Manufacturers; subject to compliance with specified requirements:
  - 1. Allstate / Stoler Industries, Inc.
  - 2. Armstrong World Industries, Inc.
  - 3. Burke Mercer Flooring Products / Div. Burke Industries, Inc.
  - 4. Flexco Corporation.
  - 5. Johnsonite / Div. Tarkett, Inc.
  - 6. Roppe Corporation.
  - 7. VPI Corporation.
- B. Characteristics:
  - 1. Types: Coved, standard toe base meeting ASTM F1861, Type TS.
  - 2. Material: Thermoset vulcanized 100% SBR rubber.
  - 3. Lengths: Minimum 100'-0" rolls, continuous.
  - 4. Height: 4", unless indicated otherwise.
  - 5. Color: As selected by Architect from manufacturer's standard colors.

2.9 FABRICATION:

- A. Fabricate millwork complying with AWI Custom Grade quality standard.

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- B. Shop fabricate millwork items to greatest extent possible. Avoid splices where practicable, and if required, limit to locations where it will be indistinguishable in finished work.
- C. Where items cannot be fabricated or manufactured in one piece, locate joints at logical breaking points and note on shop drawings. Finger jointed members shall not be permitted for work receiving transparent finish or for curved standing and running trim regardless of finishing requirements.
- D. Scribe, cope, miter and join members to produce accurate, flush, tight fitting joints.
- E. Exposed surfaces to receive finishing work shall be smooth, free of abrasion, tool marks, raised grain and imperfections.
- F. Fabricate countertop in maximum single continuous lengths practicable. Where jointing is required, use compression type fasteners forming flush, tight, hairline joints. Bond specified plastic laminate to substrates, including laminate backing sheet on unexposed surface. Provide matching back and end splashes for installation to wall surfaces.
- G. Field finish millwork items, except manufactured casework, in accordance with requirements of Painting section. Trim components shall be back primed with minimum one coat sealer.

3.0 EXECUTION

3.1 WORKMANSHIP:

- A. Install work plumb, level, true and straight without distortions. Shim using concealed shims.
- B. Cut work to fit unless specified to be shop-fabricated or shop-cut to exact size. Where carpentry abuts other finished work, scribe and cut for accurate fit. Before making cut-outs, drill pilot holes at corners.
- C. Anchor work secured to supports and substrates using concealed fasteners and blind nailing where possible. Where exposed nailing is required use fine finishing nails; deep set below wood surfaces and filled flush with wood putty matching wood species and finish. Sand putty filled holes smooth with adjacent surfaces.
- D. Distribute defects allowed in the quality grade specified to the best overall advantage when installing job assembled work to provide for uniform and consistent appearance.

- E. Finish work shall be smooth, free from abrasion, tool marks, raised grain, grade markings or similar defects on exposed surfaces.

### 3.2 INSTALLATION OF STANDING AND RUNNING TRIM:

- A. Install trim and molding in single, continuous, unjointed lengths for openings and runs less than 10'-0". For longer runs, provide in minimum 10'-0" lengths in straight runs with minimum number of joints and limiting one piece in the overall run to be less than 10'-0". Cope at returns and miter at corners to provide tight fitting joints.
- B. Avoid field splices in trim and moldings where practicable. If required, make with scarfed (diagonal) joints; glued and nailed. Stagger joints in adjacent members of multi-component trim and molding.
- C. Provide back blocking for attachment and support for large single piece or multi-membered moldings.
- D. Install work with adequate provisions to allow for thermal and differential movement of building.
- E. Attach and secure work in place with uniform joints. Secure to anchors or blocking built-in to construction or attach directly to compatible substrates.
- F. Blind nail trim and moldings where possible; use fine finishing nails where exposed. Set exposed nail heads below surfaces for filling with wood putty.

### 3.3 INSTALLATION OF MILL WORK:

- A. Install millwork consistent with AWI Quality Grade specified. Installation shall be plumb, level, true and straight within 1/8" in 10'-0". Shim work as required using concealed shims.
- B. Attach to ground, stripping and blocking with countersunk, concealed fasteners and by blind nailing. Install wall cabinets by concealed hanging method; provide hanging strips and furring as required or indicated for complete installation.
- C. Where field joining or assembly is required, make connection to provide tight, fitted, flush joints.
- D. Scribe and cut loose members to fit adjacent walls, construction or other finished work.

- E. Install countertops, including back and end splashes scribed to fit neat to walls or adjacent construction.
- F. Repair and touch-up damages to factory finished surfaces of cabinets resulting from installation work. Repairs and touch-up shall be indiscernible in the finished work. Replace or refinish entire cabinet units if repair or touch-up work is not satisfactory to Architect.

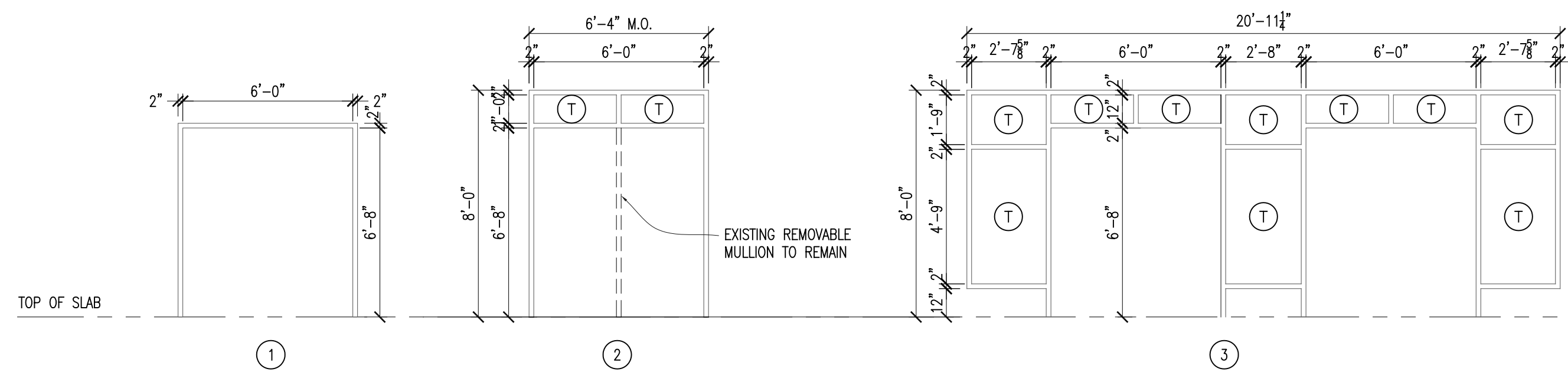
3.4 INSTALLATION OF BASE:

- A. Workmanship:
  - 1. Unroll base material and cut into lengths for minimum number of joints. Double cut adjoining lengths.
  - 2. Install with tight butt joints with no joint width greater than 1/64".
- B. Top-set Coved Base:
  - 1. Apply adhesive and adhere to vertical surfaces.
  - 2. Press down for bottom cover edge to follow floor profile.
  - 3. Form internal corners by coping, then bending minimum 1'-6" length around corner for proper anchorage.
  - 4. Form external corners by back-mitering, then bending minimum 1'-6" length around corner for proper anchorage.
  - 5. Scribe base to abutting materials.

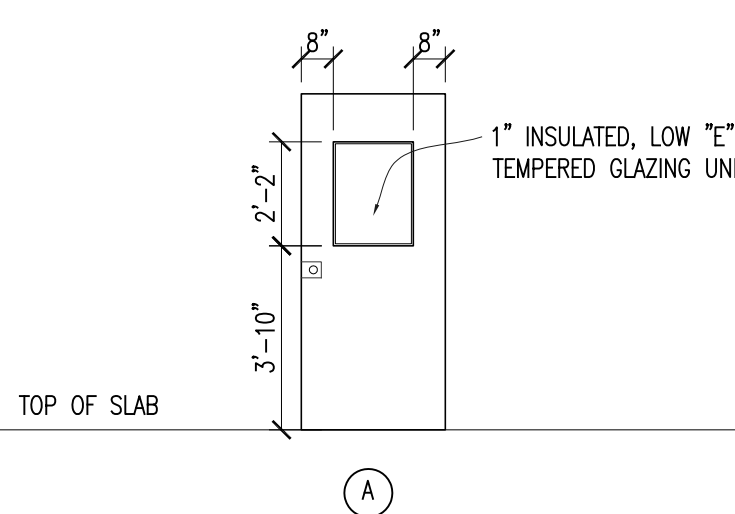
3.5 CLEANING AND PROTECTION:

- A. Protect installation including factory finished surfaces from the work of other trades. Provide protective coverings as required to prevent damages to surfaces.
- B. Prior to Date of Substantial Completion, examine work for damages. Repair or replace damaged work to original conditions.
- C. Clean wood, metal and accessory items using a neutral cleaner. Check and correct operating mechanism for proper operation. Adjust and lubricate hinges, catches and other operating hardware for smooth operation.

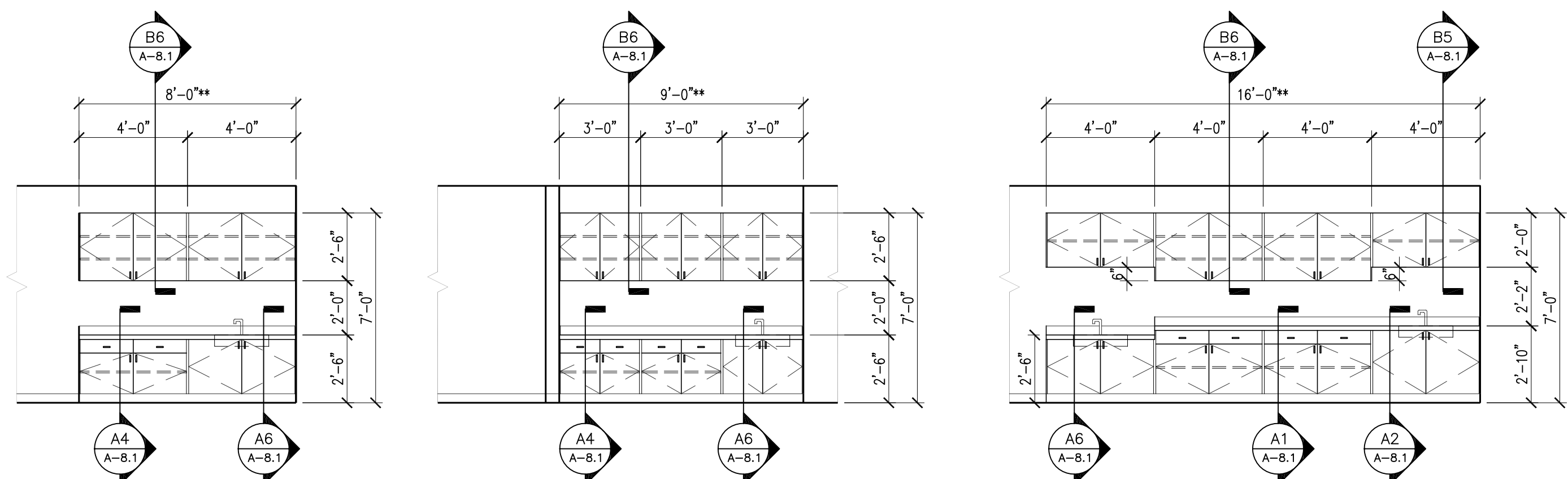
END OF SECTION



**F1 EXISTING DOOR FRAME ELEVATIONS**  
A-8.1/SCALE: 1/16" = 1'-0"



**F1 H.M. DOOR ELEVATION**  
A-8.1/SCALE: 1/16" = 1'-0"



**D1 INT. ELEV. GENERAL CLASSROOMS**  
A-8.1/1/16" = 1'-0"

**D2 INT. ELEV. K/ 1ST CLASSROOMS**  
A-8.1/1/16" = 1'-0"

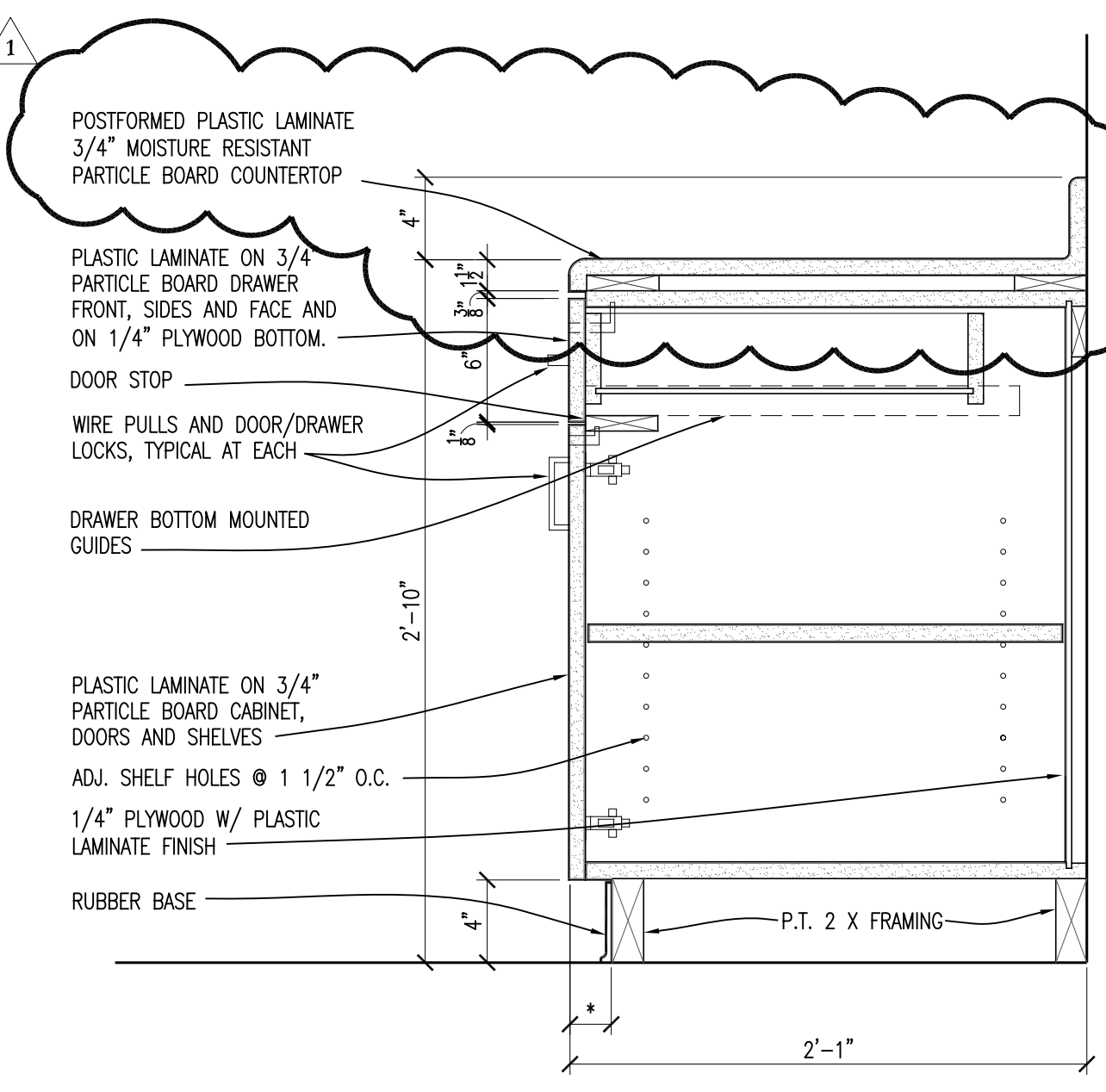
**D3 INT. ELEV. ART CLASSROOMS**  
A-8.1/1/16" = 1'-0"

**CABINET GENERAL NOTES:**

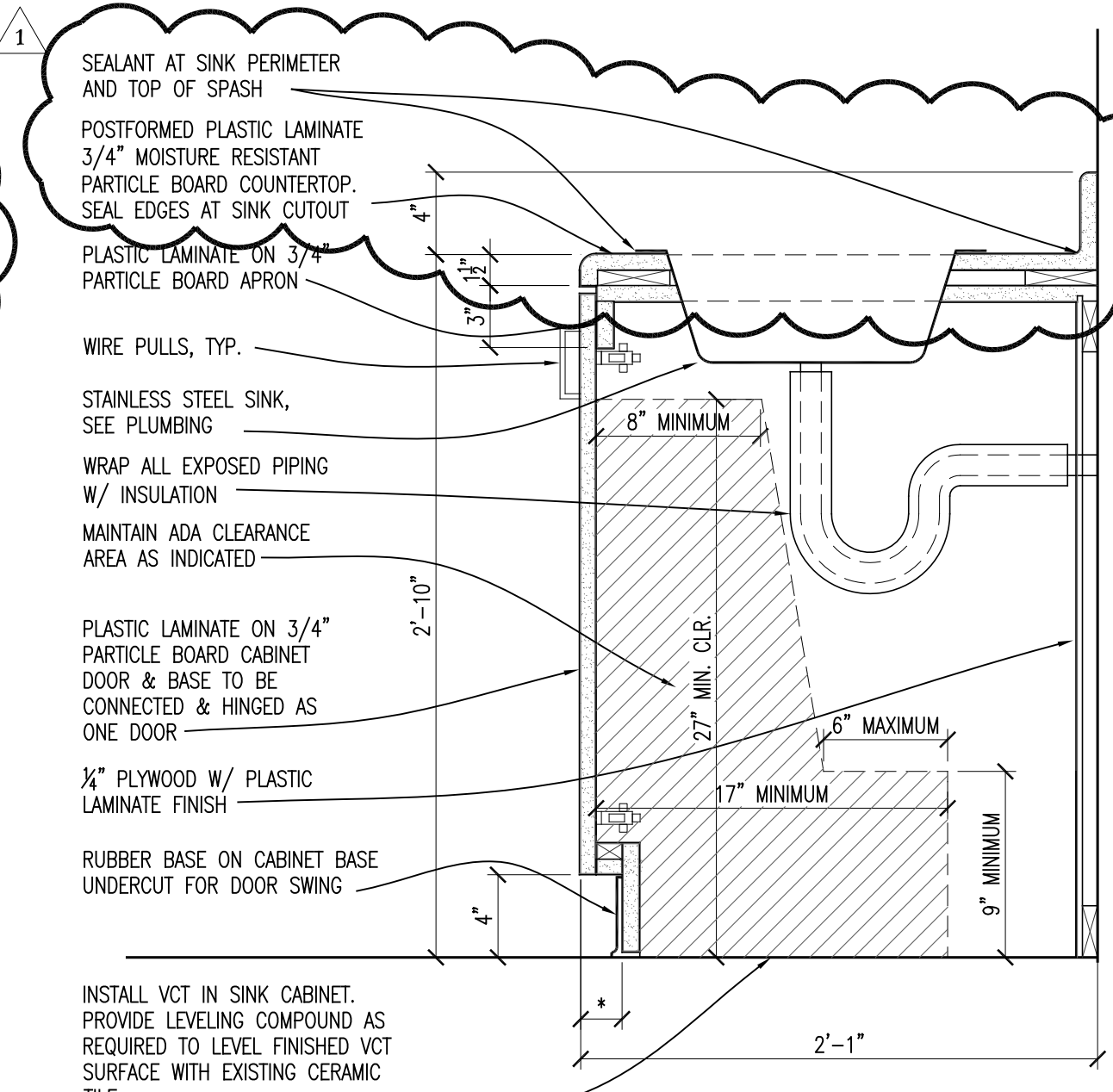
- SEE FLOOR PLAN ON SHEET A-2.1 FOR SINK LOCATIONS. SOME CABINET ELEVATIONS ARE TO BE MIRRORRED TO MATCH EXISTING SINK PLUMBING CONNECTIONS.

**CABINET ELEVATION AND DETAIL DIMENSION NOTES:**

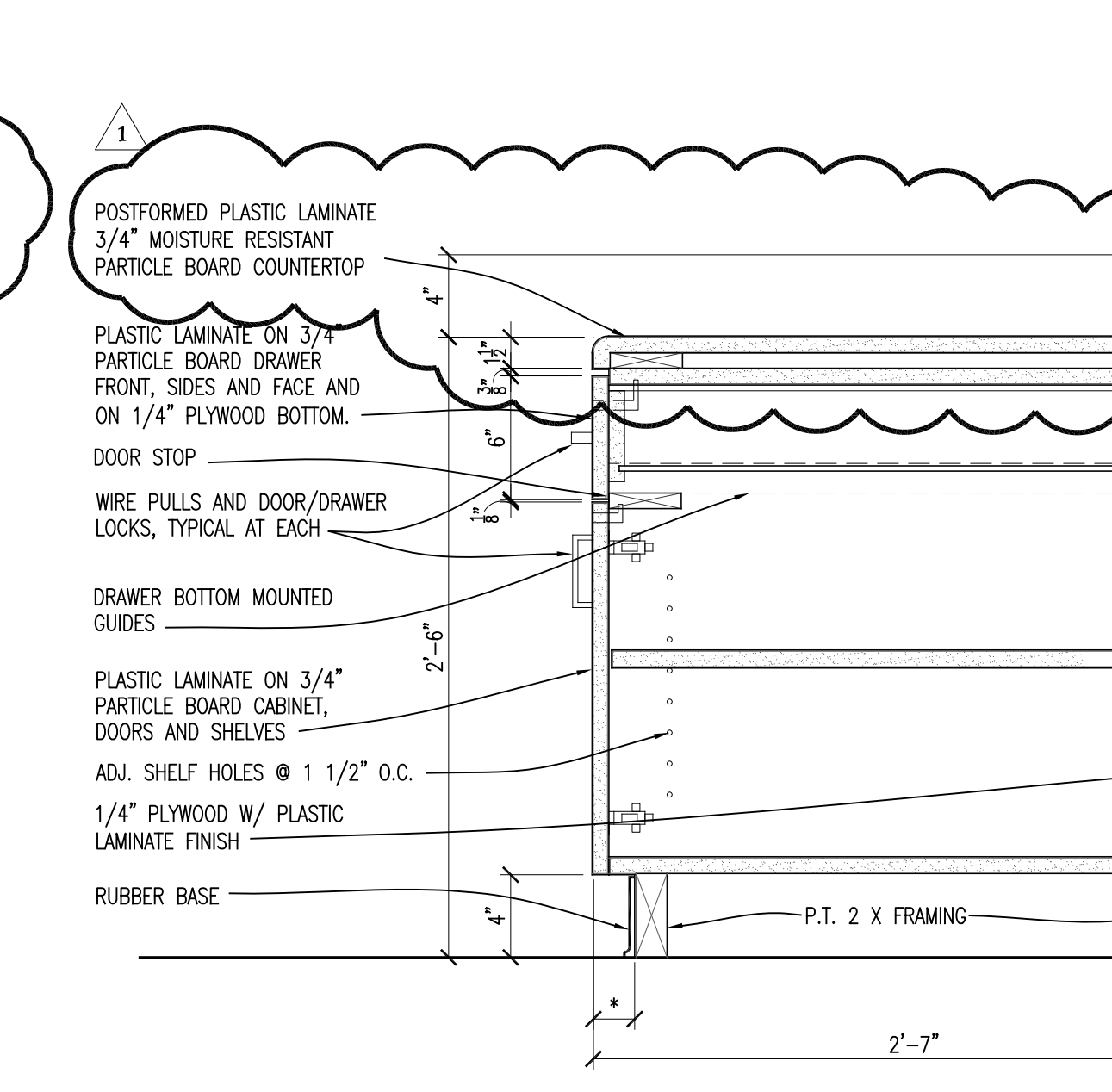
- CONTRACTOR FIELD VERIFY EXISTING FLOOR CONDITIONS AND ADJUST TOE KICK LOCATION TO CONCEAL EDGE OF EXISTING TILE/ VCT FLOORING.
- CONTRACTOR FIELD VERIFY EXISTING DIMENSIONS INCLUDING SINK ROUGH-IN LOCATIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CASEWORK SHOP DRAWING PREPARATION.



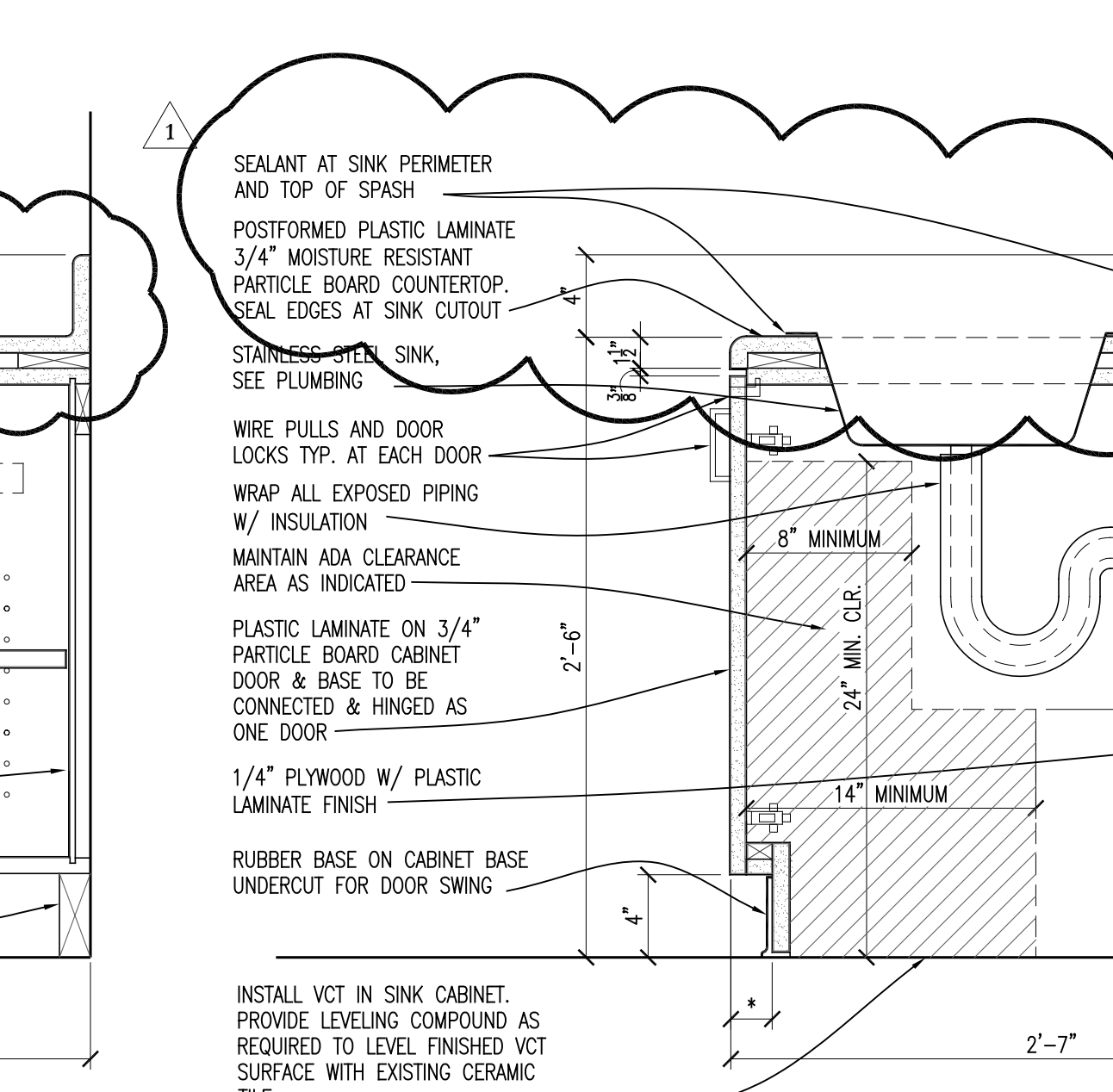
**A1 BASE CABINET**  
A-8.1/1/16" = 1'-0"



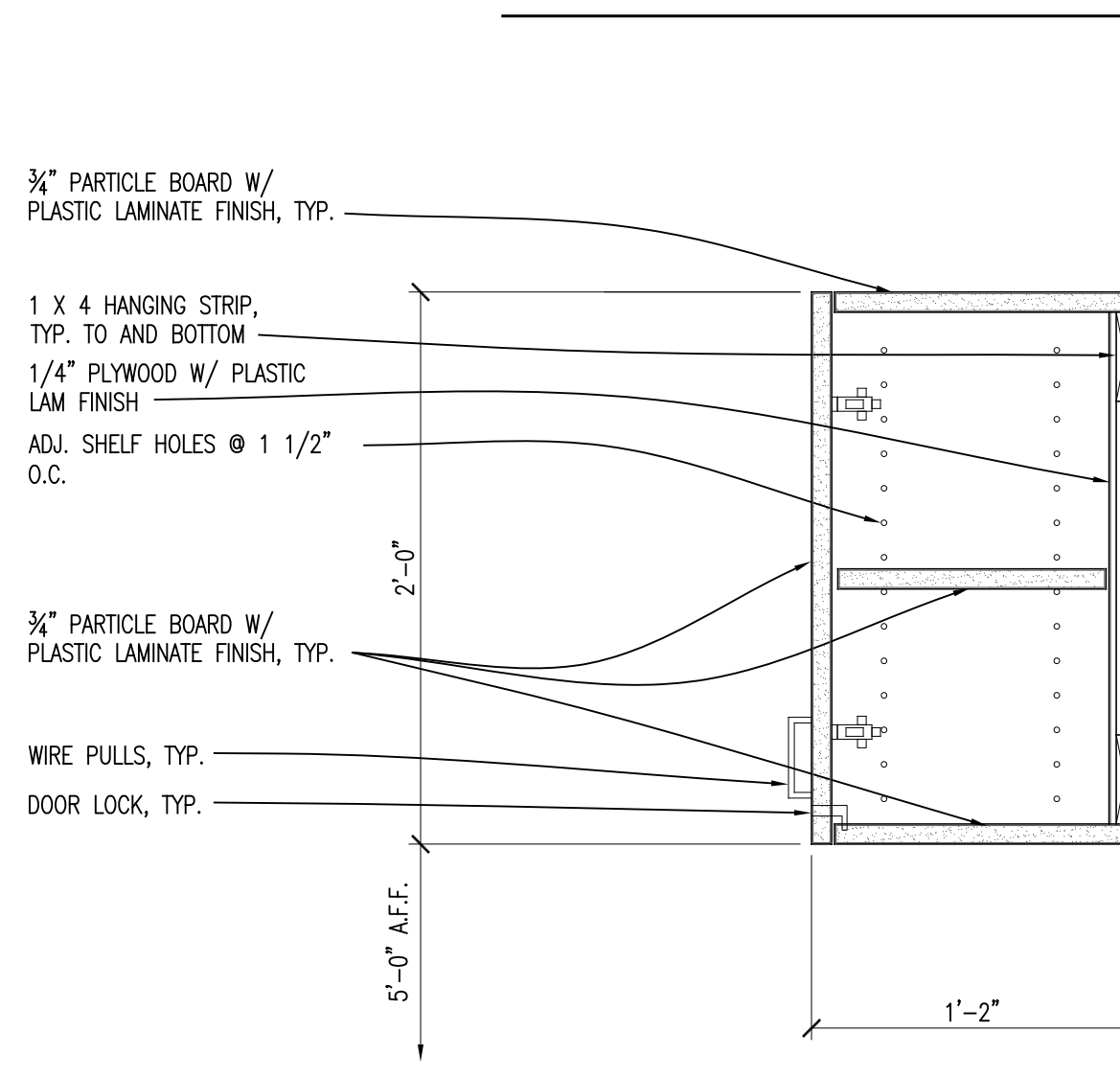
**A2 BASE CABINET**  
A-8.1/1/16" = 1'-0"



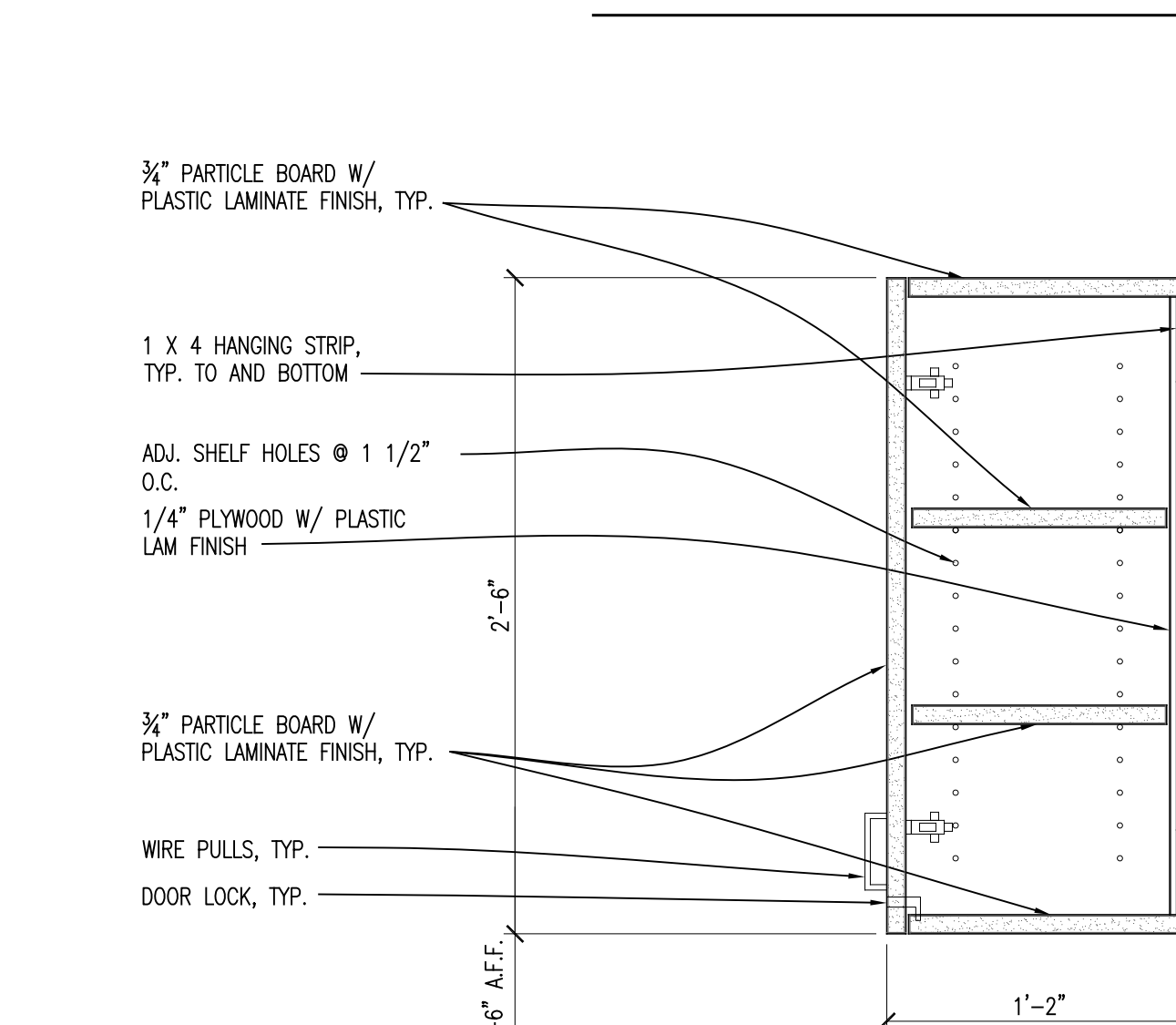
**A4 BASE CABINET**  
A-8.1/1/16" = 1'-0"



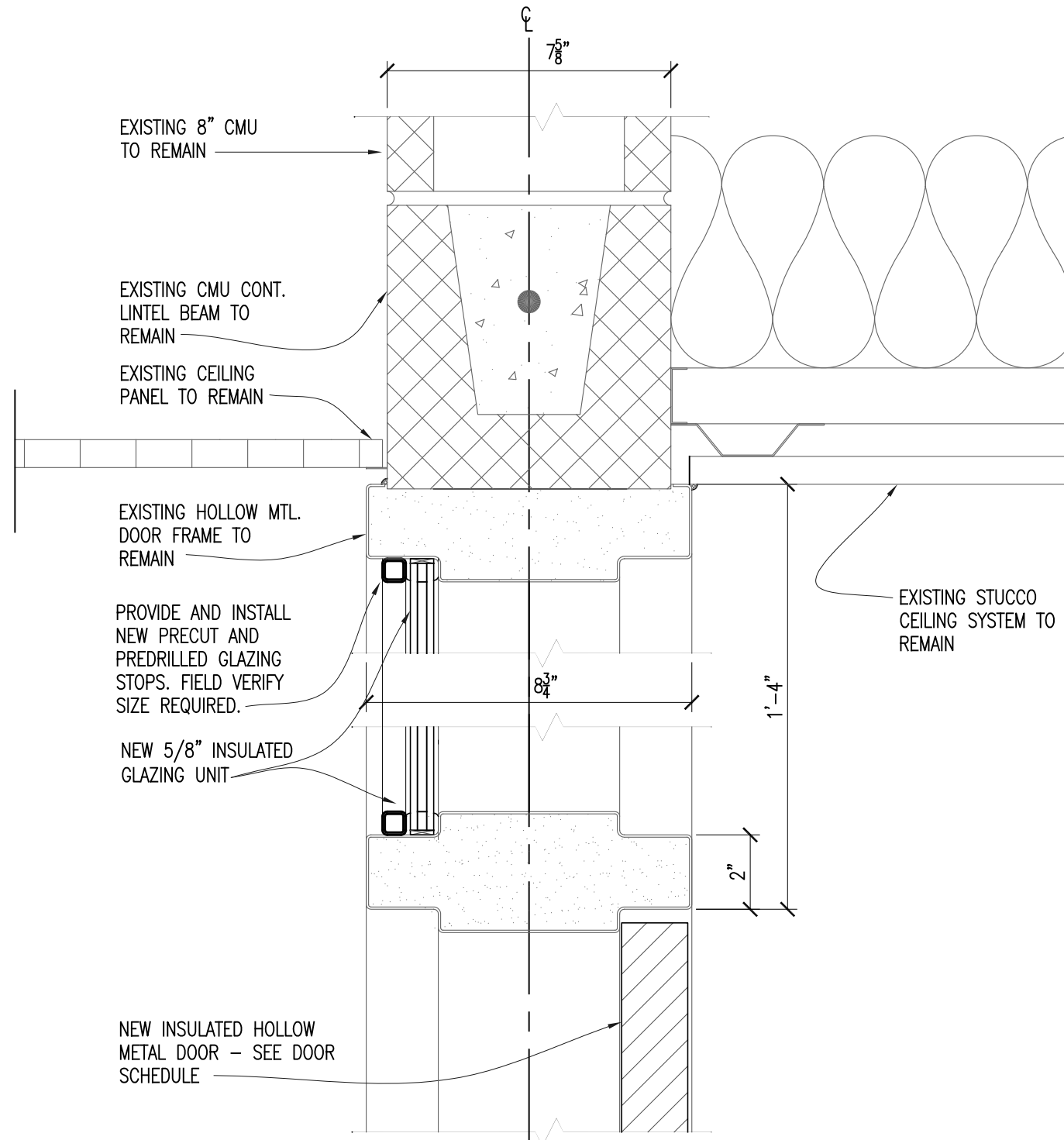
**A6 BASE CABINET**  
A-8.1/1/16" = 1'-0"



**B5 WALL CABINET**  
A-8.1/1/16" = 1'-0"



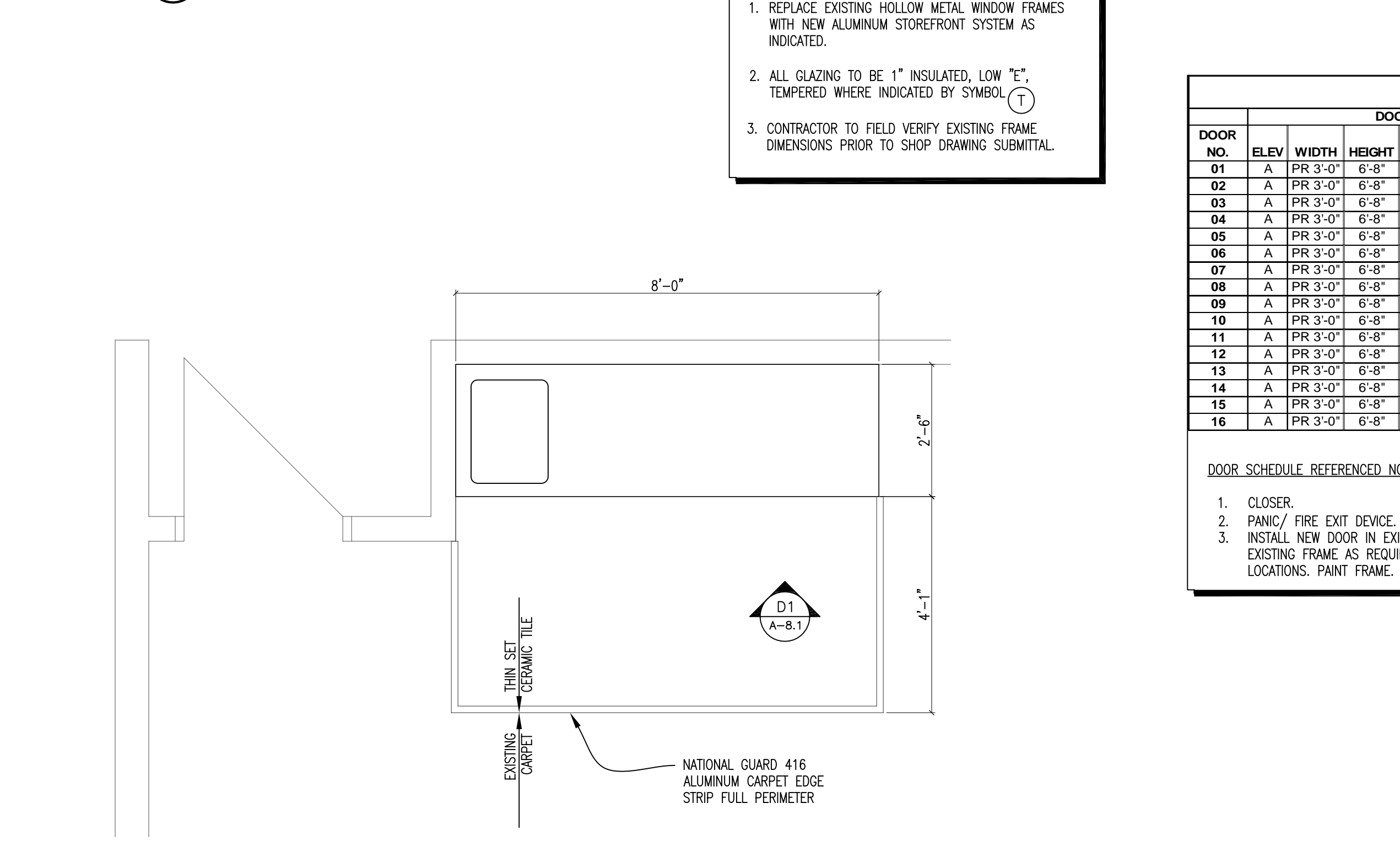
**B6 WALL CABINET**  
A-8.1/1/16" = 1'-0"



**H1 EXISTING DOOR TRANSOM DETAIL**  
3/8" = 1'-0"

**S1 EXISTING DOOR SILL DETAIL**  
3/8" = 1'-0"

**F5 NEW ALUMINUM STOREFRONT WINDOW ELEVATIONS**  
A-8.1/1/16" = 1'-0"



**ALUMINUM STOREFRONT FRAME NOTES:**

- REPLACE EXISTING HOLLOW METAL WINDOW FRAMES WITH NEW ALUMINUM STOREFRONT SYSTEM AS INDICATED.
- ALL GLAZING TO BE 1" INSULATED, LOW "E", TEMPERED WHERE INDICATED BY SYMBOL (T).
- CONTRACTOR TO FIELD VERIFY EXISTING FRAME DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.

DOOR AND FRAME SCHEDULE																
DOOR NO.	ELEV.	DOOR				FRAME				DETAILS				DOOR NO.		
		WIDTH	HEIGHT	THICK.	MAT.	FIN.	ELEV.	MAT.	FIN.	HEAD	JAMB	SILL	LABEL			
01	A	PR 3'-0"	6'-8"	1.34"	HM	P	3	EX	P	H1	J1	S1	S1	1	1, 2, 3	01
02	A	PR 3'-0"	6'-8"	1.34"	HM	P	3	EX	P	H1	J1	S1	S1	2	1, 2, 3	02
03	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	03
04	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	04
05	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	3	1, 2, 3	05
06	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	06
07	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	3	1, 2, 3	07
08	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	08
09	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	3	1, 2, 3	09
10	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	10
11	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	3	1, 2, 3	11
12	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	12
13	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	13
14	A	PR 3'-0"	6'-8"	1.34"	HM	P	2	EX	P	H1	J1	S1	S1	2	1, 2, 3	14
15	A	PR 3'-0"	6'-8"	1.34"	HM	P	1	EX	P	H1	J1	S1	S1	3	1, 2, 3	15
16	A	PR 3'-0"	6'-8"	1.34"	HM	P	1	EX	P	H1	J1	S1	S1	2	1, 2, 3	16

**DOOR SCHEDULE REFERENCED NOTES:**

- CLOSER
- PANIC/FIRE EXIT DEVICE
- INSTALL NEW DOOR IN EXISTING FRAME. PATCH AND REPAIR EXISTING FRAME AS REQUIRED AT DEMOLISHED HARDWARE LOCATIONS. PAINT FRAME.

**DOOR SCHEDULE ABBREVIATIONS:**

AL ALUMINUM  
EX EXISTING TO REMAIN  
HM HOLLOW METAL  
PR PAIR  
P PAINT

**CHAPMAN GRIFFIN LANIER SUSSENBACH ARCHITECTS**  
 2500 Cumberland Pkwy., Suite 350 • Atlanta, Georgia 30339 • Phone: 404.733.5493 • Fax: 404.733.6804

**Sugar Hill Elementary School Building Renovations**  
 939 Level Creek Road, Buford, GA 30518  
 Gwinnett County School District

**ARCHITECTURE**  
**Facilitation Design**

**CGLS ARCHITECTS**  
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RELEASED FOR CONSTRUCTION CONSULTANT

DATE	NO.	DESCRIPTION
2/3/12		Owner Review Set
2/21/12		Issued for Bid Set
3/2/12		Addendum No. 1

PROJECT NO. 11023  
 DATE February 21, 2012  
 DRAWN BY: -  
 CHECKED BY: -  
 SHEET NO.

**A-8.1**