

ADDENDUM #1

December 3, 2008

Re: HACC, Central Pennsylvania's Community College
Renovations to Stabler and Whitaker Halls

From: Eastern pcm, LLC
Construction Manager – HACC
212 Locust Street, Suite 604
Harrisburg, PA 17110

To: All Planholders

This Addendum is hereby made part of the Plans and Specifications dated November 25, 2008 for the above referenced project. The provisions of this Addendum are intended to supplement the provisions of the Plans and Specifications and/or supersede them where contradictory thereto.

This Addendum contains changes to the requirements of the Plans and Specifications. Such changes shall be incorporated into the Plans and Specifications and shall apply to work with the same meaning and force as if they had been included in the original Plans and Specifications. Where this Addendum modifies a portion of a paragraph or phrase of the Project Manual, the remaining unmodified portion of the paragraph or phrase shall remain in force.

The conditions and terms of the Plans and Specifications shall govern work described in this Addendum. Whenever the conditions of work, or the quality or quantity of materials or workmanship are not fully described in this Addendum, the conditions of work etc. included in the Plans and Specifications for similar items of work shall apply to the work described in this Addendum. If no similar items of work are included in the Plans and Specifications, the quality of material and workmanship shall be subject to the written acceptance of the Architect.

CHANGES TO SPECIFICATIONS

Item 1.1 REPLACE Specification Section 00010 – Table of Contents with the revised Specification Section 00010, attached, 3 pages.

Item 1.2 ADD the following Specification Sections to the Project Manual dated November 25, 2008:

- 04810 – Unit Masonry Assemblies, 3 pages
- 06100 – Rough Carpentry, 1 page
- 07210 – Building Insulation, 1 page
- 07920 – Joint Sealants, 2 pages
- 08110 – Steel Doors and Frames, 2 pages
- 08411 – Aluminum-Framed Entrances and Storefronts, 2 pages
- 08800 – Glazing, 1 page
- 09111 – Non-Structural Metal Framing, 5 pages
- 09260 – Gypsum Board Assemblies, 2 pages

Item 1.2 (Continued)

09511 – Acoustical Panel Ceilings, 2 pages
09651 – Resilient Floor Tile, 1 page
09653 – Resilient Wall Base and Accessories, 2 pages
09681 – Carpet Tile, 1 page
09910 – Painting, 2 pages
10100 – Visual Display Boards

CHANGES TO PLANS

Item 1.3 ADD Sketch Plan SU01 – Partial Demolition Floor Plan, dated 12/03/08
Sketch Plan SU02 – Partial Renovation Floor Plan and Wall Type, dated 12/03/08

END OF ADDENDUM

SECTION 00010 - TABLE OF CONTENTS**DIVISION 0 – CONTRACT REQUIREMENTS**

00100	INVITATION TO BID
00150	INFORMATION FOR BIDDERS
00200	INSTRUCTIONS TO BIDDERS - AIA DOCUMENT A701
00210	SUPPLEMENTARY INSTRUCTIONS TO BIDDERS
00410	BID FORM
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00440	MBE/WBE UTILIZATION FORM
00453	NON-COLLUSION AFFIDAVIT
00500	STANDARD FORM OF AGREEMENT - AIA DOCUMENT A101/CMa
00615	PERFORMANCE AND PAYMENT BONDS - AIA DOCUMENT A312
00620	CERTIFICATE OF INSURANCE - AIA DOCUMENT G715
00700	GENERAL CONDITIONS OF THE CONTRACT - AIA DOCUMENT A201/CMa
00800	SUPPLEMENTARY GENERAL CONDITIONS
00820	PREVAILING WAGE RATES

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01250	CONTRACT MODIFICATION PROCEDURES
01290	PAYMENT PROCEDURES
01310	PROJECT MANAGEMENT AND COORDINATION
01320	CONSTRUCTION PROGRESS DOCUMENTATION
01330	SUBMITTAL PROCEDURES
01400	QUALITY REQUIREMENTS
01500	TEMPORARY FACILITIES AND CONTROLS
01600	PRODUCT REQUIREMENTS
01600A	SUBSTITUTION REQUEST – APPENDIX A
01731	CUTTING AND PATCHING
01732	SELECTIVE DEMOLITION
01770	CLOSEOUT PROCEDURES
01781	PROJECT RECORD DOCUMENTS
01782	OPERATION AND MAINTENANCE DATA
01820	DEMONSTRATION AND TRAINING

DIVISION 4 – MASONRY

04810	UNIT MASONRY ASSEMBLIES
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DIVISION 6 – WOODS AND PLASTICS

06100	ROUGH CARPENTRY
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DIVISION 7 – THERMAL AND MOISTURE PROTECTION

07210	BUILDING INSULATION
07920	JOINT SEALANTS

DIVISION 8 – DOORS AND WINDOWS

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08411 ALUMINUM FRAMED ENTRANCES AND STOREFRONTS
08800 GLAZING

DIVISION 9 – FINISHES

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09260 GYPSUM BOARD ASSEMBLIES
09511 ACOUSTICAL PANEL CEILINGS
09651 RESILIENT FLOOR TILES
09653 RESILIENT WALL BASE AND ACCESSORIES
09681 CARPET TILE
09910 PAINTING

DIVISION 10 – SPECIALTIES

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15080 MECHANICAL INSULATION
15400 PLUMBING SYSTEMS
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DIVISION 16 – ELECTRICAL

16050 BASIC ELECTRICAL MATERIALS AND METHODS
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DRAWINGS LIST

CS.1	COVER SHEET
A1.1	DEMOLITION, RENOVATION, REFLECTED CEILING PLANS AND ELEVATIONS
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E1.2	ELECTRICAL SPECIFICATIONS

END TABLE OF CONTENTS

SECTION 04810 - UNIT MASONRY ASSEMBLIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals:
 - 1. Samples for – Not Required for this project.
 - 2. Material Certificates: For each type of product indicated. Include statements of material properties indicating compliance with requirements.
- B. Comply with ACI 530.1/ASCE 6/TMS 602.
- C. Preconstruction Testing Service: Contractor will engage a qualified independent testing agency to perform preconstruction testing required by authorities having jurisdiction.

PART 2 - PRODUCTS

2.1 MASONRY UNITS

- A. Concrete Masonry Units: ASTM C 90; Weight Classification, Normal Weight.
 - 1. Special shapes for lintels, corners, jambs, sash, control joints, and other special conditions.
- B. Concrete Lintels: Precast units matching concrete masonry units and with reinforcing bars indicated or required to support loads indicated.

2.2 MORTAR AND GROUT

- A. Mortar: ASTM C 270, proportion specification.
 - 1. Do not use calcium chloride in mortar.
 - 2. For masonry below grade or in contact with earth, use Type [M] [S].
 - 3. For reinforced masonry, use Type N.
 - 4. For interior non-load-bearing partitions, and for other applications where another type is not indicated, use Type N.
- B. Grout: ASTM C 476 with a slump of 8 to 11 inches (200 to 280 mm).
- C. Refractory Mortar: Ground fireclay mortar or other refractory mortar that passes ASTM C 199 test and is acceptable to authorities having jurisdiction.

2.3 REINFORCEMENT, TIES, AND ANCHORS

- A. Steel Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 400).
- B. Joint Reinforcement: ASTM A 951 .
 - 1. For single-wythe masonry, provide either ladder design or truss design.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Cut masonry units with saw. Install with cut surfaces and, where possible, cut edges concealed.
- B. Mix units for exposed unit masonry from several pallets or cubes as they are placed to produce uniform blend of colors and textures.
- C. Matching Existing Masonry: Match coursing, bonding, color, and texture of existing masonry.
- D. Stopping and Resuming Work: Rack back units; do not tooth.
- E. Fill cores in hollow concrete masonry units with grout 24 inches (600 mm) under bearing plates, beams, lintels, posts, and similar items, unless otherwise indicated.
- F. Build non-load-bearing interior partitions full height and install compressible filler in joint between top of partition and underside of structure above.
- G. Tool exposed joints slightly concave when thumbprint hard, unless otherwise indicated.
- H. Keep cavities clean of mortar droppings and other materials during construction.

3.2 LINTELS

- A. Install lintels where indicated.
- B. Minimum bearing of 8 inches (200 mm) at each jamb, unless otherwise indicated.

3.3 FLASHING AND WEEP HOLES

- A. Install embedded flashing and weep holes in masonry at shelf angles, lintels, ledges, other obstructions to the downward flow of water in the wall, and where indicated.
- B. Place through-wall flashing on sloping bed of mortar and cover with mortar. Seal penetrations in flashing before covering with mortar.
 - 1. Extend flashing 4 inches (100 mm) into masonry at each end and turn up 2 inches (50 mm) to form a pan.
- C. Trim wicking material used in weep holes flush with outside face of wall after mortar has set.

3.4 PARGING

- A. Parge masonry walls, where indicated, in two uniform coats with a steel-trowel finish. Form a wash at top of parging and a cove at bottom. Damp cure parging for at least 24 hours.

3.5 CLEANING

- A. Clean masonry as work progresses. Remove mortar fins and smears before tooling joints.
- B. Final Cleaning: After mortar is thoroughly cured, clean exposed masonry.
 - 1. Wet wall surfaces with water before applying acidic cleaner, then remove cleaner promptly by rinsing thoroughly with clear water.
 - 2. Clean masonry with a proprietary acidic cleaner applied according to manufacturer's written instructions.

END OF SECTION 04810

SECTION 06100 - ROUGH CARPENTRY

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Model code evaluation reports for treated wood products.

PART 2 - PRODUCTS

2.1 TREATED MATERIALS

- A. Preservative-Treated Materials: AWPA C2 lumber and AWPA C9 plywood, labeled by an inspection agency approved by ALSC's Board of Review. After treatment, kiln-dry lumber and plywood to 19 and 15 percent moisture content, respectively. Treat indicated items and the following:
 - 1. Wood members in connection with roofing, flashing, vapor barriers, and waterproofing.

2.2 MISCELLANEOUS PRODUCTS

- A. Fasteners: Size and type indicated. Where rough carpentry is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M or of Type 304 stainless steel.
 - 1. Power-Driven Fasteners: CABO NER-272.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Locate nailers, blocking, and similar supports to comply with requirements for attaching other construction.
- B. Securely attach rough carpentry to substrates, complying with the following:
 - 1. CABO NER-272 for power-driven fasteners.

END OF SECTION 06100

SECTION 07920 - JOINT SEALANTS**PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Product Data and color Samples.
- B. Environmental Limitations: Do not proceed with installation of joint sealants when ambient and substrate temperature conditions are outside limits permitted by joint sealant manufacturer or are below 40 deg F (4.4 deg C).

PART 2 - PRODUCTS**2.1 JOINT SEALANTS**

- A. Compatibility: Provide joint sealants, joint fillers, and other related materials that are compatible with one another and with joint substrates under service and application conditions.
- B. Sealant for General Exterior Use Where Another Type Is Not Specified, One of the Following:
 - 1. Single-component, nonsag polysulfide sealant, ASTM C 920, Type S; Grade NS; Class 12-1/2; Uses NT, M, G, A, and O.
 - 2. Single-component, neutral-curing silicone sealant, ASTM C 920, Type S; Grade NS; Class 25; Uses T, NT, M, G, A, and O.
 - 3. Single-component, nonsag urethane sealant, ASTM C 920, Type S; Grade NS; Class 25; and Uses NT, M, A, and O.
- C. Sealant for Interior Use at Perimeters of Door and Window Frames:
 - 1. Latex sealant, single-component, nonsag, mildew-resistant, paintable, acrylic-emulsion sealant complying with ASTM C 834.
- D. Acoustical Sealant for Exposed Interior Joints:
 - 1. Nonsag, paintable, nonstaining, latex sealant complying with ASTM C 834.
- E. Acoustical Sealant for Concealed Joints:
 - 1. Nondrying, nonhardening, nonskinning, nonstaining, gunnable, synthetic-rubber sealant recommended for sealing interior concealed joints to reduce transmission of airborne sound.

2.2 JOINT-SEALANT BACKING

- A. General: Provide sealant backings of material and type that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer.

SECTION 08110 - STEEL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data and door schedule.
- B. Comply with ANSI A 250.8.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Hot-Rolled Steel Sheets: ASTM A 1011/A 1011M.
- B. Cold-Rolled Steel Sheets: ASTM A 1008/A 1008M or ASTM A 620/A 620M.

2.2 STEEL DOORS AND FRAMES

- A. Available Manufacturers:
 - 1. Ceco Door Products; a United Dominion Company.
 - 2. Amweld Building Products, Inc.
 - 3. Curries Company.
 - 4. Steelcraft; a division of Ingersoll-Rand
 - 5. Pioneer Industries Inc.
- B. Steel Doors: Complying with ANSI 250.8 for level and model and ANSI A250.4 for physical-endurance level indicated, 1-3/4-inch- (44-mm-) thick, unless otherwise indicated.
 - 1. Interior Doors: Level 2 and Physical Performance Level B (Heavy Duty), Model 1 (Full Flush).
- C. Frames: ANSI A250.8; conceal fastenings, unless otherwise indicated.
 - 1. Steel Sheet Thickness for Heavy-Duty Interior Doors: 0.053 inch (1.3 mm).
 - 2. Fabricate with interior frames with mitered or coped corners knocked down for field assembly.
- D. Glazing Stops: Nonremovable stops on secure side of interior doors; screw-applied, removable, glazing stops on inside.
- E. Door Silencers: Three on strike jambs of single-door frames.
- F. Supports and Anchors: Not less than 0.042-inch- (1.0-mm-) thick galvanized steel sheet.
- G. Prepare doors and frames to receive mortised and concealed hardware according to ANSI A250.6 and ANSI A115 Series standards.

SECTION 08411 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Structural Performance: Provide systems, including anchorage, capable of withstanding loads indicated.
 - 1. Main-Framing-Member Deflection: Limited to 1/175 of clear span or 3/4 inch (19 mm), whichever is smaller.
 - 2. Structural Testing: Systems tested according to ASTM E 330 at 150 percent of inward and outward wind-load design pressures do not evidence material failures, structural distress, deflection failures, or permanent deformation of main framing members exceeding 0.2 percent of clear span.
- B. Air Infiltration: Limited to 0.06 cfm/sq. ft. (0.03 L/s per sq. m) of system surface area when tested according to ASTM E 283 at a static-air-pressure difference of 6.24 lbf/sq. ft. (300 Pa).
- C. Water Penetration: Systems do not evidence water leakage when tested according to ASTM E 331 at minimum differential pressure of 20 percent of positive wind-load design pressure, but not less than 6.24 lbf/sq. ft. (300 Pa).
- D. Average U-Factor: Not more than 0.69 Btu/sq. ft. x h x deg F (3.92 W/sq. m x K) per AAMA 1503.
- E. Submittals: Product Data, Shop Drawings, and color Samples.

PART 2 - PRODUCTS

2.1 ALUMINUM-FRAMED STOREFRONTS

- A. Products:
 - 1. Match existing adjacent aluminum-framed storefronts or approved equal.
- B. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated; ASTM B 209 (ASTM B 209M) sheet; ASTM B 221 (ASTM B 221M) extrusions.
- C. Glazing: Specified in Division 8 Section "Glazing."
- D. Sealants and Joint Fillers: For joints at perimeter of systems as specified in Division 7 Section "Joint Sealants."
- E. Framing Members: Manufacturer's standard extruded-aluminum framing members of thickness required and reinforced as required to support imposed loads.
- F. Fasteners and Accessories: Compatible with adjacent materials, corrosion-resistant, nonstaining, and nonbleeding. Use concealed fasteners.

SECTION 08800 - GLAZING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data and 12-inch- (300-mm-) square Samples.
- B. Safety Glass: Category II materials complying with testing requirements in 16 CFR 1201 and ANSI Z97.1.
- C. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated.
 - 1. GANA Publications: "Glazing Manual" and "Laminated Glass Design Guide".
 - 2. SIGMA Publications: SIGMA TM-3000, "Vertical Glazing Guidelines".
- D. Insulating-Glass Certification Program: Permanently marked with certification label of Insulating Glass Certification Council.

PART 2 - PRODUCTS

2.1 GLASS

- A. Heat-Treated Float Glass G1: ASTM C 1048, Condition A (uncoated), Type I, Class 1 (clear), Quality q3, Kind FT (fully tempered).

2.2 FABRICATED GLASS PRODUCTS

- A. Sealed Insulating-Glass Units G2 & G3: Preassembled units complying with ASTM E 774 for Class CBA units, with two 6.0-mm-thick sheets of glass separated by a 1/2-inch (12.7-mm) dehydrated space filled with air.
 - 1. Inboard and Outboard Lite: Float glass (tempered where required).
 - 2. Low-Emissivity Coating: Third surface.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with combined recommendations of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are contained in GANA's "Glazing Manual."
- B. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.

END OF SECTION 08800

1. Basis-of-Design Product: Subject to compliance with requirements, provide [Dietrich Metal Framing UltraSTEEL® 25 gauge-equivalent]; [Dietrich Metal Framing UltraSTEEL® 20 gauge-equivalent]
2. Minimum Base-Metal Thickness: As indicated on Drawings or 0.0296 inch.
3. **[Members that can show independently verified test performance that meets the limiting height values listed in C 754 (need not meet the minimum thickness limitation set forth in 4.3 or the minimum section properties set forth in 8.1)].**
4. Size: As indicated on Drawings.

B. Hat-Shaped, Rigid Furring Channels: ASTM C 645.

1. Minimum Base Metal Thickness: **[As indicated on Drawings] [0.0179 inch (0.45 mm)] [0.0296 inch (0.75 mm)] <Insert thickness>.**
2. Depth: **[As indicated on Drawings] [7/8 inch (22.2 mm)] [1-1/2 inches (38.1 mm)].**

2.3 AUXILIARY MATERIALS

A. General: Provide auxiliary materials that comply with referenced installation standards.

1. Fasteners for Metal Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.

B. Isolation Strip at Exterior Walls: Provide **[one of]** the following:

1. Asphalt-Saturated Organic Felt: ASTM D 226, Type I (No. 15 asphalt felt), nonperforated.
2. Foam Gasket: Adhesive-backed, closed-cell vinyl foam strips that allow fastener penetration without foam displacement, 1/8 inch (3.2 mm) thick, in width to suit steel stud size.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance.

1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Suspended Assemblies: Coordinate installation of suspension systems with installation of overhead structure to ensure that inserts and other provisions for anchorages to building structure have been installed to receive hangers at spacing required to support the Work and that hangers will develop their full strength.

1. Furnish concrete inserts and other devices indicated to other trades for installation in advance of time needed for coordination and construction.

B. Coordination with Sprayed Fire-Resistive Materials:

- a. Size supplemental suspension members and hangers to support ceiling loads within **[performance limits established by referenced installation standards]** <Insert deflection limit>.
3. Wire Hangers: Secure by looping and wire tying, either directly to structures or to inserts, eye screws, or other devices and fasteners that are secure and appropriate for substrate, and in a manner that will not cause hangers to deteriorate or otherwise fail.
 4. Flat Hangers: Secure to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices and fasteners that are secure and appropriate for structure and hanger, and in a manner that will not cause hangers to deteriorate or otherwise fail.
 5. Do not attach hangers to steel roof deck.
 6. Do not attach hangers to permanent metal forms. Furnish cast-in-place hanger inserts that extend through forms.
 7. Do not attach hangers to rolled-in hanger tabs of composite steel floor deck.
 8. Do not connect or suspend steel framing from ducts, pipes, or conduit.
- D. Fire-Resistance-Rated Assemblies: Wire tie furring channels to supports.
- E. Seismic Bracing: Sway-brace suspension systems **[with hangers used for support]** <Insert requirements>.
- F. Grid Suspension Systems: Attach perimeter wall track or angle where grid suspension systems meet vertical surfaces. Mechanically join main beam and cross-furring members to each other and butt-cut to fit into wall track.
- G. Installation Tolerances: Install suspension systems that are level to within **[1/8 inch in 12 feet (3 mm in 3.6 m)]** <Insert tolerance> measured lengthwise on each member that will receive finishes and transversely between parallel members that will receive finishes.

3.5 INSTALLING FRAMED ASSEMBLIES

- A. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.
- B. Install studs so flanges within framing system point in same direction.
- C. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts penetrating partitions above ceiling.
 1. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
 2. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.
 - a. Install two studs at each jamb, unless otherwise indicated.
 - b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch (12.7-mm) clearance from jamb stud to allow for installation of control joint in finished assembly.
 - c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.

SECTION 09260 - GYPSUM BOARD ASSEMBLIES**PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Product Data.
- B. STC-Rated Assemblies: Provide materials and construction identical to those tested in assemblies per ASTM E 90 and classified per ASTM E 413 by a qualified independent testing and inspecting agency.

PART 2 - PRODUCTS**2.1 METAL FRAMING AND SUPPORTS**

- A. Steel Framing Members, General: ASTM C 754.
 - 1. Steel Sheet Components: ASTM C 645, with manufacturer's standard corrosion-resistant zinc coating.
- B. Partition Framing:
 - 1. Studs and Runners: In depth indicated and 0.0312 inch (0.79 mm) thick, unless otherwise indicated.

2.2 PANEL PRODUCTS

- A. Provide in maximum lengths available to minimize end-to-end butt joints.
- B. Gypsum Wallboard: ASTM C 36, in thickness indicated, with manufacturer's standard edges. Regular type, unless otherwise indicated.

2.3 ACCESSORIES

- A. Trim Accessories: ASTM C 1047, formed from galvanized or aluminum-coated steel sheet, rolled zinc, or plastic.
 - 1. Provide cornerbead at outside corners, unless otherwise indicated.
 - 2. Provide LC-bead (J-bead) at exposed panel edges.
 - 3. Provide control joints as required.
- B. Aluminum Accessories: Extruded-aluminum accessories indicated with Class II, clear anodic finish; AA-C12C22A31.
- C. Joint-Treatment Materials: ASTM C 475.

SECTION 09511 - ACOUSTICAL PANEL CEILINGS**PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Product Data and material Samples.
- B. Surface-Burning Characteristics of Panels: ASTM E 1264, Class A materials, tested per ASTM E 84.

PART 2 - PRODUCTS**2.1 ACOUSTICAL PANELS (types as indicated on the reflected ceiling plan drawing sheets)**

- A. Available Products:
 - 1. Armstrong; Fissured, Item number 755.
 - a. Color: White
 - b. Light Reflectance (LR) Coefficient: Not less than 0.81
 - c. Noise Reduction Coefficient (NRC): Not less than 0.55
 - d. Ceiling Attenuation Class (CAC): Not less than 30
 - e. Edge Detail: Square
 - f. Thickness: 5/8 inch
 - g. Size: 24 by 48 inches (610 by 1220 mm)

2.2 CEILING SUSPENSION SYSTEM

- A. Direct-hung; ASTM C 635, intermediate-duty structural classification.
 - 1. Available Products:
 - a. Armstrong; Square Lay-In 15/16 inch.
 - 2. Color: White.
- B. Attachment Devices: Sized for 5 times the design load indicated in ASTM C 635, Table 1, Direct Hung, unless otherwise indicated.
- C. Wire Hangers, Braces, and Ties: Zinc-coated carbon-steel wire; ASTM A 641/ (A 641M), Class 1 zinc coating, soft temper.
 - 1. Size: Provide yield strength at least 3 times the hanger design load (ASTM C 635, Table 1, Direct Hung), but not less than 0.106-inch- (2.69-mm-) diameter wire.

SECTION 09651 - RESILIENT FLOOR TILE

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data and Samples.
- B. Fire Test Response: Resilient tile has critical radiant flux classification of Class I, not less than 0.45 W/sq. cm per ASTM E 648.
- C. Extra Materials: Deliver to Owner 1 box for every 50 boxes or fraction thereof, of each type and color of resilient floor tile installed.

PART 2 - PRODUCTS

2.1 VINYL COMPOSITION FLOOR TILE

- A. Available Products:
 - 1. Armstrong Standard Excelon Imperial Texture or approved equal.
- B. Color and Pattern: Match Existing.
- C. ASTM F 1066, Class 2 (through-pattern tile).
- D. Wearing Surface, Thickness, and Size: Match Existing.

2.2 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement- or blended hydraulic cement-based formulation provided or approved by flooring manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.
- C. Rubber Accessory Moldings: Provide rubber accessory transition strips and moldings as required to join varying floor materials.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Prepare concrete substrates according to ASTM F 710. Verify that substrates are dry and free of curing compounds, sealers, and hardeners. Lay out tiles so tiles align with existing tiles. Match tiles for color and pattern by selecting tiles from cartons in same sequence as manufactured and packaged. Lay tiles in patterns to match existing.

END OF SECTION 09651

- C. Install wall base in maximum lengths possible. Apply to walls, columns, pilasters, casework, and other permanent fixtures in rooms or areas where base is required.
- D. Install reducer strips at edges of floor coverings that would otherwise be exposed.

END OF SECTION 09653

SECTION 09910 - PAINTING**PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Summary: Paint exposed surfaces, new and existing, unless otherwise indicated.
 - 1. Color-code mechanical piping in accessible ceiling spaces.
 - 2. Do not paint pre-finished items, items with an integral finish, operating parts, and labels, unless otherwise indicated.
- B. Submittals: Product Data and Samples.
- C. Mockups: Full-coat finish Sample of each type of coating, color, and substrate, applied where directed.
- D. Obtain block fillers and primers for each coating system from same manufacturer as finish coats.
- E. Extra Materials: Deliver to Owner 1 gal. (19 L) of each color and type of finish coat paint used on Project, in containers, properly labeled and sealed.

PART 2 - PRODUCTS**2.1 PAINT**

- A. Available Products:
 - 1. Paint: Sherwin-Williams Co. or approved equal subject to compliance with requirements.
 - 2. Colors: As selected by Architect.
- B. Material Compatibility: Provide materials that are compatible with one another and with substrates.
- C. Material Quality: Manufacturer's best-quality paint material of coating types specified that are formulated and recommended by manufacturer for application indicated.

PART 3 - EXECUTION**3.1 PREPARATION**

- A. Remove hardware lighting fixtures and similar items that are not to be painted. Mask items that cannot be removed. Reinstall items in each area after painting is complete.
- B. Clean and prepare all surfaces in an area before beginning painting in that area. Schedule painting so cleaning operations will not damage newly painted surfaces.

SECTION 10100 - VISUAL DISPLAY BOARDS

PART 1 - GENERAL

- 1.01 DESCRIPTION OF WORK
- A. Section Includes:
1. Tackboards
- 1.02 REFERENCED STANDARDS
- A. American Society for Testing Materials
1. ASTM-E 84 Standard Test Method for Surface Burning
 Characteristics for Building Materials
2. ASTM B221 Standard Specification for Aluminum and Aluminum-
 Alloy Extruded
 Bars, Rods, Wires, Profiles and Tubes.
- 1.03 SUBMITTALS
- A. Shop Drawings: Provide shop drawings for each type of visual display board
 required.
- B. Product Data: Provide technical data for materials specified. Include
 Material
 Safety Data Sheets, when applicable.
- C. Samples and color charts: Provide Manufacturer's color charts and
 composition samples of face, core, backing and trim to illustrate finish, color
 and texture, where required.
- D. Manufacturer's Instructions: Provide Manufacturer's installation instructions.
- 1.04 QUALITY ASSURANCE
- A. Basis of Design as manufactured by: Claridge Products and
 Equipment, Inc., Harrison, Arkansas 72602-0910, Phone: 870/743-2200
 Fax: 870/743-1908
- B. Regulatory Requirements: Conform to applicable code for flame/sm rating in
 tackboards in accordance with ASTM-E 84.
- C. Operation and Maintenance: Include data on regular cleaning, stain removal,
 and precautions.
- 1.05 PROJECT CONDITIONS
- A. Field measure prior to preparation of shop drawings and fabrication to ensure
 proper fit.
- B. Comply with manufacturer's recommendations for climatizing area for interior
 moisture and temperature to approximate normal occupied conditions.
- 1.06 DELIVERY, STORAGE AND HANDLING
- A. Ordering: Comply with manufacturer's ordering instructions and lead time
 requirements to avoid construction delay.
- B. Delivery: Deliver materials in original, unopened, undamaged containers with
 identification labels intact.
- C. Storage and Protection: Store materials protected from exposure
 to harmful weather conditions and at temperature and humidity conditions
 recommended by manufacturer.
- 1.07 WARRANTY

- A. Submit a standard warranty, stating when installed in accordance with manufacturer's instructions and recommendations, Claridge tackboards are guaranteed for one year against defects in materials and workmanship. Guarantee does not cover normal wear and tear, improper handling, any misuse, or any defects caused by vandalism or subsequent abuse. Guarantee covers replacement of defective material but does not include cost of removal or reinstallation.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Visual Display Board Manufacturer: Basis of Design: Claridge Products and Equipment, Inc.
 - 1. Contact: P. O. Box 910, Harrison, AR 72602;
Telephone: (870) 743-2200;
Fax: (870) 743-1908; E-Mail: claridge@claridgeproducts.com;
web site: www.claridgeproducts.com.

2.02 MATERIALS

- 2. Claridge Factory Built Tackboards:
 - a. Tackboard Surface: Cork: 1/4" thick cork laminated to a 1/4" hardboard backing;; Vinyl fabric on cork underlay with 1/4" hardboard back or Vinyl fabric on duracore; Hook-Fab: Hook and loop compatible fabric on cork underlay with 1/4" hardboard back; Designer Fabric: Fabric on cork underlay with 1/4" hardboard back
 - b. Series: 800
 - c. Typical Arrangement: Type CO
 - d. Panel Size: 48" high by 16' length of – existing opening – field verify
- B. Claridge Extruded Aluminum Trim with Satin Anodize Finish and Accessories
 - 1. Factory-Built Trim:
 - a. Series: 800
 - b. Aluminum Trim
 - c. Length: (16' – Field verify.).
 - d. Finish: (Satin Anodize standard.).

2.03 FABRICATION

- A. Shop assembly: Factory Assembled

PART 3 - EXECUTION

3.01 PROJECT CONDITIONS

- A. Verify before installation that interior moisture and temperature approximate normal occupied conditions.
- B. Verify that wall surfaces are prepared and ready to receive boards.

3.02 INSTALLATION

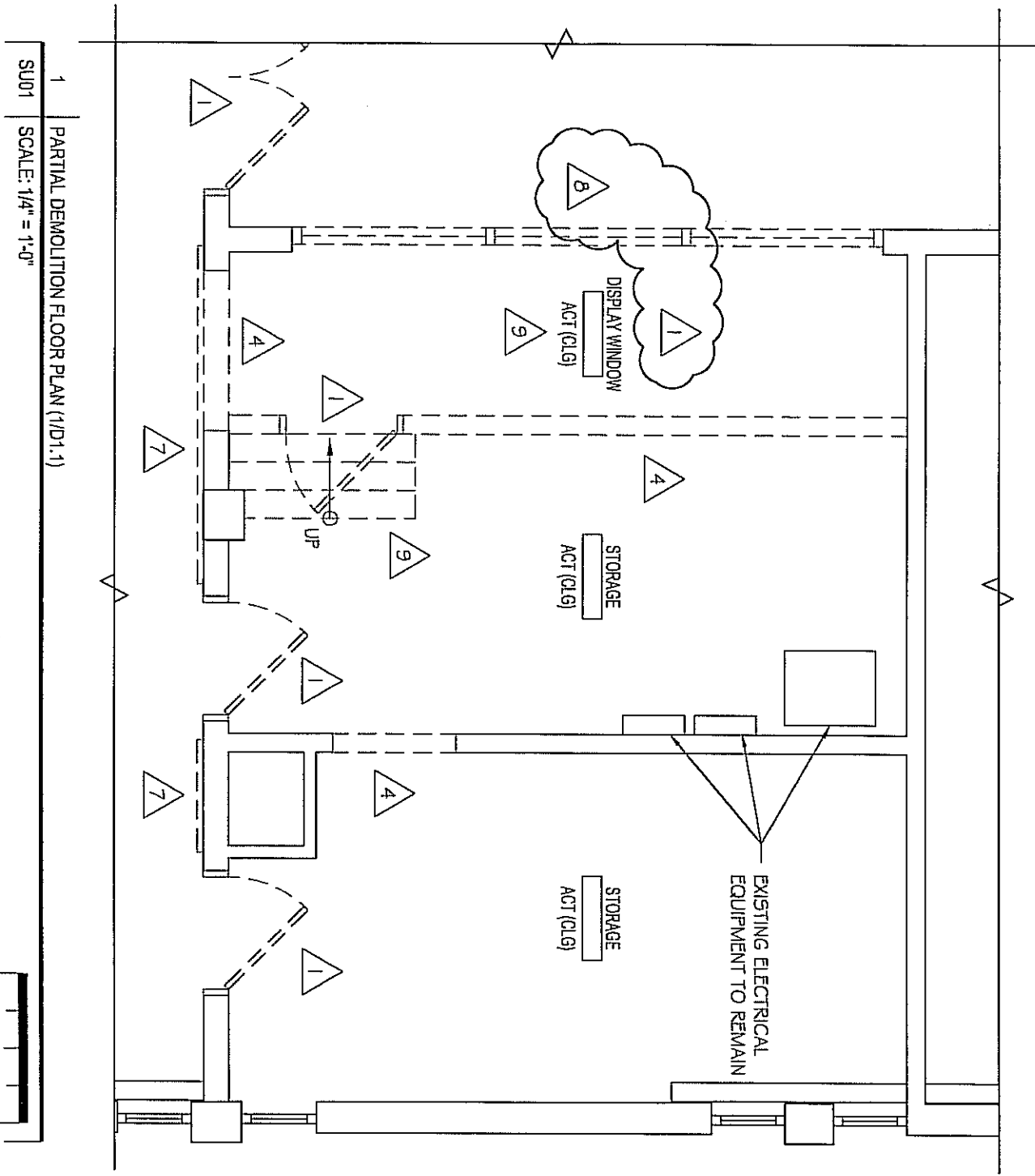
- A. Deliver factory built units completely assembled and of dimensions shown in details and in accordance with manufacturer's shop drawings as approved by the architect.

- B. Follow manufacturer's instructions for storage and handling of units before installation.
- C. Do not install boards on damp walls or in damp and humid weather without heat in the building.
- D. Install level and plumb, keeping perimeter trim straight in accordance with manufacturer's recommendations.

3.03 **ADJUST AND CLEAN**

- A. Verify that all accessories are installed as required for each unit.
- B. At completion of work, clean surfaces and trim in accordance with manufacturer's recommendations, leaving all materials ready for use.

END OF SECTION 10100



1 PARTIAL DEMOLITION FLOOR PLAN (1/D1.1)
 SU01 SCALE: 1/4" = 1'-0"

RENOVATIONS TO STABLER
 AND WHITAKER HALLS

SU01

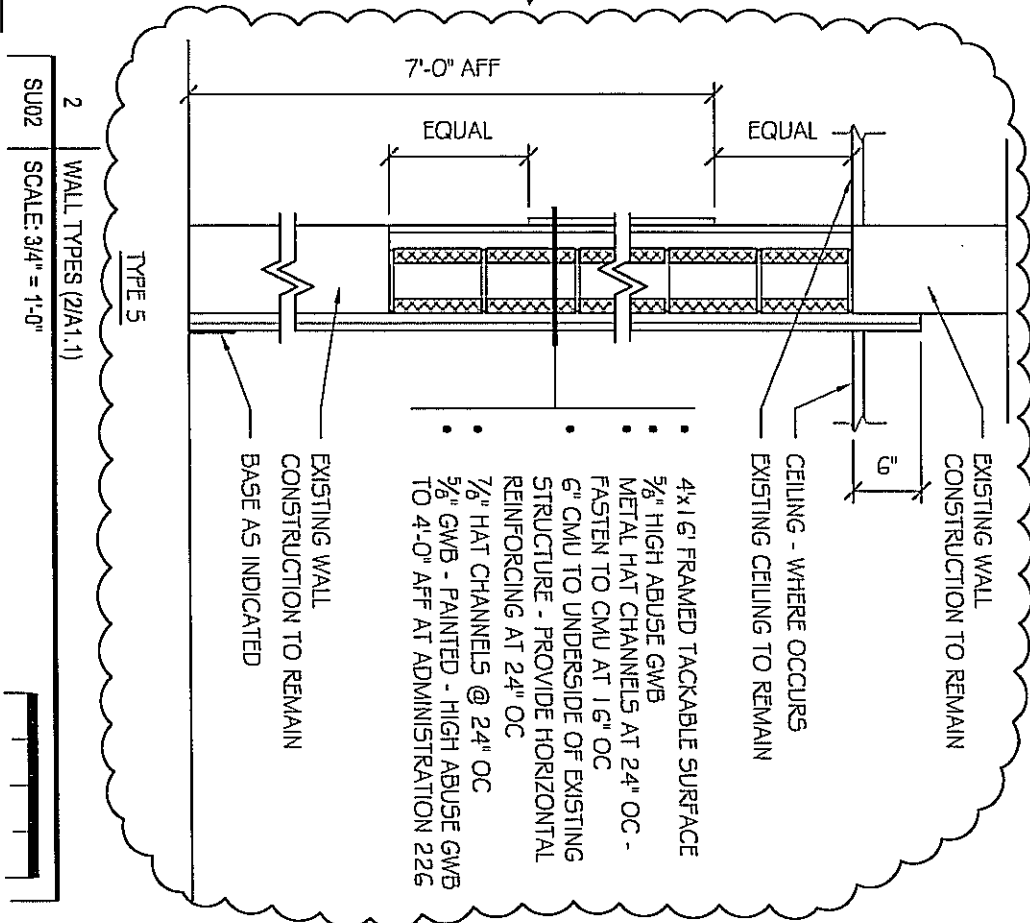
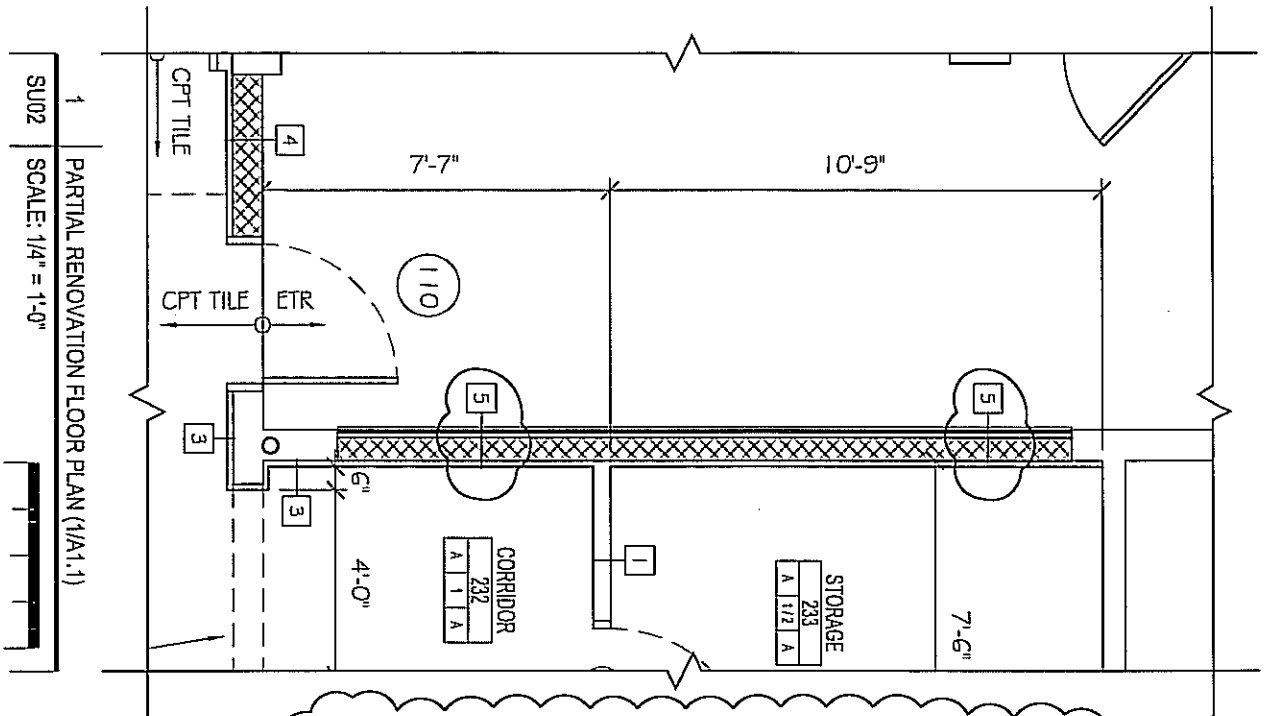
Scale

Project Name	RENOVATIONS TO STABLER AND WHITAKER HALLS
Description	PARTIAL DEMOLITION FLOOR PLAN (1/D1.1)
Project #	0535
Date	DECEMBER 3, 2008
Scale	AS NOTED

ARCHITECTURE

2101 NORTH FRONT STREET
 BUILDING #1, SUITE 100
 HARRISBURG, PA 17110

717.236.2266 PHONE
 717.236.1655 FAX
 CREATING EXCEPTIONAL PLACES



RENOVATIONS TO STABLER AND WHITAKER HALLS

SU02

Scale

Project Name	RENOVATIONS TO STABLER AND WHITAKER HALLS
Description	PARTIAL RENOVATION FLOOR PLAN AND WALL TYPE
Project #	0535
Date	DECEMBER 3, 2008
Scale	AS NOTED

ARCHITECTURE.

2101 NORTH FRONT STREET
 BUILDING #1, SUITE 100
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