



TREZEVANT HIGH SCHOOL NINTH GRADE ACADEMY RENOVATION PROJECT

The Contractor shall reference the associated scope of work and bid specifications pages 1 through 11 and associated bid drawings pages 1 through 5 that reflect the project's scope of work. The new ninth grade Academy consists of approximately (22) classrooms, an office area (273A), (4) Boy's restrooms, (4) Girl's restrooms, (2) breezeways (1 and 2) and (3) stairwells. These areas are identified in red room numbers and red arrows on the associated bid drawings sheets. The following information is the scope of work that is required for the project. There are two alternates for this project, see pages 4 and 5 of the associated bid drawings for details.

SCOPE OF WORK:

A. CLASSROOMS

1. All classroom walls, except for those listed in line-item number two below, shall be painted. In classroom 289, only the exterior facing wall shall be painted. Wall painting includes scraping/sanding where needed, patching where needed, application of a stain blocking primer and applying two coats of paint. Scrape and sand as needed, prime and apply two coats of paint on all window frames. Include structural beam Paint any radiator heater covers.
2. Classroom walls that will not require painting include 257, 258, 273, 274, 277, 278 and 288. The north stairwell adjacent to 171 will not require painting.
3. Regarding classrooms 282, 283, 284, 285, 288, 289 and 290, Contractor shall adhere any existing ceiling tiles that are loose or have lost adhesion. Replace any missing ceiling tiles with similar. Existing glue shall not be disturbed. The Contractor shall then apply a stain blocking primer and two coats of ceiling paint over the existing ceiling tile system.
4. The contractor shall be responsible for moving of furniture out and back into areas where work is being performed.
5. The contractor shall paint all doors and door frames throughout all 9th grade academy classrooms, office area 273A, and 276. Include both sides of door and door frames.
6. Replace any missing or damaged ceiling tiles with texture and color matching ceiling tiles throughout all 9th grade academy classrooms, office area 273A and 276.
7. Replace as needed any missing sections of wall base cove throughout all 9th grade academy classrooms, 273A and 276. Adhere any loose or non-adhering wall base cove as needed.
8. Install new window blinds in all all-9th grade academy classrooms, office area 273A and 276. See page 5 for specifications.
9. Install clear polycarbonate blanks on the interior side over any non-closing windows.
10. Replace all existing electrical switch and receptacle cover plates with new. Cover plates shall be stainless steel. Install any missing electrical cover plates where needed.

B. RESTROOMS

1. Paint all restroom walls, wall painting includes scraping/sanding where needed, patching where needed, application of a stain blocking primer and applying two coats of paint.



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2. In classrooms, room 273 and 273A where radiator heaters are present, scrape, sand as needed, prime and paint with two coats of paint.
3. The Girl's restroom ceiling adjacent to Classroom 284 shall be painted. Wall painting includes scraping/sanding where needed, patching where needed, application of a stain blocking primer and applying two coats of white ceiling paint.
4. The contractor shall paint **all** doors and door frames throughout **all** 9th grade academy restrooms, Include both sides of door and door frames.
5. Replace door closure on 1st floor restroom adjacent to science lab.
6. Replace all existing electrical switch and receptacle cover plates with new. Cover plates shall be stainless steel. Install any missing electrical cover plates where needed in 9th grade academy areas.
7. Replace as needed any missing sections of wall base cove throughout all 9th grade academy restrooms. Match any new cove base with surrounding base. Adhere any loose or non-adhering wall base cove as needed.

C. STAIRWELLS

1. Regarding all stairwells (except for the north stairwell adjacent to Classroom 273) Scrape, patch/sand as needed, prime and paint with two coats of paint the concrete and CMU areas on both levels, Including bannisters and banister panels.
2. Replace any missing or damaged ceiling tiles with texture and color matching ceiling tiles throughout all stairwells that serve 9th grade academy areas.
3. Replace missing stair treads with similar material.
4. Replace as needed any missing sections of wall base cove throughout all 9th grade academy restrooms. Match any new cove base with surrounding base. Adhere any loose or non-adhering wall base cove as needed.

D. SCIENCE LABS (171 & 175 ON DRAWING)

1. All Science Lab walls shall be painted. Wall painting includes scraping and sanding where needed, patching where needed, application of a stain blocking primer and applying two coats of paint. Include structural beams and radiator heater covers. Scrape/sand as needed, prime and apply two coats of paint on all window frames.
2. Cap any existing water, gas supply lines, and sink drains that serve each individual science lab station. Permits are required. Remove existing science lab station countertops and install new laminate countertops. (See specifications).
3. New countertops shall match dimensions of existing countertops.



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4. Paint all doors and door frames throughout both Science Labs. Include both sides of door and door frames.
5. Install new window blinds in both 9th grade academy science labs.
6. Replace all existing electrical switch and receptacle cover plates with new. Cover plates shall be stainless steel. Install any missing electrical cover plates where needed.
7. Fill existing voids on all science station aprons with similar material.
8. Install vinyl cove base around the perimeter of all science lab stations. Match as close to existing as possible.
9. Patch, prime, and apply two coats of paint on all (30) existing science station aprons.
10. Modify two of the existing science lab stations to meet ADA guidelines.
11. The contractor shall be responsible for moving any furniture out and back into areas where work is being performed.
12. Replace as needed any missing sections of wall base cove throughout all 9th grade academy. Adhere any loose or non-adhering wall base cove as needed.
13. Replace any missing or damaged ceiling tiles with texture and color matching ceiling tiles throughout both science labs.
14. Remove and cap wall mounted shower station in science lab 175.
15. On non-functioning windows that will not close. Modify or remove hinge so window frame can close flush with framing and install clear polycarbonate blanks on the interior side.
16. Repair/replace any missing or damaged sections of windowsill areas.

E. BREEZEWAYS (1&2)

1. Replace as needed any missing sections of wall base cove. Adhere any loose or non-adhering wall base cove as needed.
2. Scrape as needed, patch/sand, prime and paint the concrete and CMU wall sections and window frames. Paint radiator heater covers.
3. All concrete areas and CMU walls shall be painted. Wall painting includes scraping/sanding where needed, patching where needed, application of a stain blocking primer and applying two coats of paint. Scrape and sand as needed, prime and apply two coats of paint on all window frames. Include structural beams.
4. Prep and paint radiator heater covers.
5. On non-functioning windows that will not close. Modify or remove hinge so window frame can close flush with framing and install clear polycarbonate blanks on the interior side.
6. The contractor shall paint all doors and door frames throughout all 9th grade academy classrooms, office area 273A, and 276. Include both sides of door and door frames.
7. Replace any missing or damaged ceiling tiles with texture and color matching ceiling tiles.



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F. EXTERIOR SCOPE

1. Apply new window wrap system over existing exterior window locations as designated on associated drawing sheet 3 of 3. See Specifications for details.
2. New window wrap system has to be installed in a manner that will not obstruct the functionality of the existing egress windows .
3. Existing exterior doors and door frames where the new building wrap system is being installed shall be painted. Those doors and frames shall be painted on both exterior and interior sides.

G. ADDITIONAL VARIOUS SCOPE

1. Install power for all drinking fountain/bottle fillers on site throughout 9th grade academy as well as the rest of the High School. Permit is required. Approximately (20). Touch up paint any existing voids around all drinking fountain/bottle filler stations in the 9th grade academy as well as the entire facility.
2. Touch up paint any marred areas as needed in classrooms where painting of walls is not designated such as 257, 258, 273, 274, 277, 278 and 288. Also any marred areas throughout 9th grade academy corridors.
3. Install ADA compliant vinyl classroom number signage for all ninth-grade academy locations.
4. Where present in all ninth-grade academy areas, prep and paint wall heater covers.
5. Paint wooden end panels on locker sections throughout the 9th grade academy areas.
6. Throughout 9th grade academy corridors, replace as needed any missing sections of wall base cove. Adhere any loose or non-adhering wall base cove as needed.

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H. VARIOUS SPECIFICATIONS

- A. WINDOW BLINDS: Headrail shall be 1" high x 1-1/2" wide x .025" thick U-shaped steel. The steel finishing process includes phosphate treatment for corrosion resistance, a chrome-free sealer, a low HAP urethane primer and a topcoat of low HAP polyester baked enamel.
 - AA. Tilter shall be made of injection-molded thermoplastics for smooth low-friction operation and will incorporate a clutch mechanism to prevent damage due to over tilting. C. Tilt rod shall be electro-zinc coated solid steel measuring a ¼" square.
 - BB. Tilt wand shall be clear polycarbonate with a hexagonal cross section measuring approximately 1/4" diameter and attached to the tilter shaft by means of a spring clip for easy removal.
 - CC. Cord lock shall be metal of a snap-in design incorporating a floating, shaft-type locking pin and shall incorporate a crash proof safety feature that will lock blind automatically upon release of cord.
 - DD. Drum and cradles shall be low-friction thermoplastic and provided for each ladder.
 - EE. Installation brackets shall be a rivet-hinged front cover phosphate-treated steel with urethane primer and polyester baked enamel finish to match headrail.
 - FF. Braided ladder shall be made of 100% polyester yarn incorporating two extra strength rungs per ladder for slat support. Standard ladder spacing shall be 21.5mm.
 - GG. Slat shall be 5000 series cold-rolled aluminum containing the maximum allowable recycled content to produce a high strength and corrosion resistant flexible product. Slat shall be nominally 1" wide x .006" thick and treated with Advanced Finishing Technology (AFT), providing a smooth, hard, less porous surface. AFT delivers anti-static performance to repel dust and antimicrobial qualities to resist fungal and bacterial growth. Slat shall be treated with a chrome-free sealer and a topcoat of low HAP polyester baked enamel.
 - HH. The bottom rail shall be completely enclosed tubular shape made of phosphate-treated steel for corrosion resistance and finished with a chrome-free sealer, low HAP urethane primer and a topcoat of low HAP polyester baked enamel and shall measure .025" thick.

B. WINDOW WRAP SYSTEM

The scope of work includes approximately 6,766.883 square feet of solvex 70/30 perforated vinyl with clear 3m 8518 laminate, printed graphics, and materials. The materials shall cover the windows as reflected on page 7 of this document. The single unit windows shall be fully covered. Some of the exterior windows currently have metal window guards that will require an acrylic or polycarbonate



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surface or panel for the window wrap system to adhere to. New acrylic or polycarbonate surface shall be fastened over the entire section of the existing window guards using self-tapping screws

AA. 6mil PVC Perforated Window Film TECHNICAL DATA Physical Specifications:

BB. Product Process Calendered Vinyl 6mil w/o Liner

CC. Surface Finish Gloss White Composite Black Backing

DD. Surface Material 0.1mm synthetic white 0.08mm Black PVC Film

EE. Release Liner: 90lb Silicone-Coated Paper 120g.

FF. Adhesive Acrylic Removable

GG. Translucent Ratio 40%-45% light transmission 70/30 Perforating Pattern

HH. Bore Information 1.6mm Bore Diameter 166500 Bores / SQM

II. Bore Information Horizontal 450 Bores / SQM Vertical 370 Bores / SQM

JJ. Minimum Application Temperature 50o F (10o C)

KK. Service Temperature Range -40o F to 176o F

LL. Outdoor Life 1 year

MM. Shipping Forward Wound

NN. Chemical Resistance Distilled Water (24 hours) No Effect

OO. Detergent (24 hours) No Effect

PP. 10% Ammonium Hydroxide (10 min) No Effect

QQ. Gasoline (10 minutes) No Effect

RR. SAE 30 Motor Oil (10 minutes) No Effect

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Plastic wrap shall not be applied to top rows of window system



Install window wrap system between arrow lines. (Typical)

See associated drawing sheet 3 of 5 for location of window wrap system.



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C. SCIENCE LAB COUNTERTOPS

As described in the previous scope of work under Science Labs, the Contractor shall cap any existing water and gas supply lines that serve the individual science lab stations. Remove existing science lab station countertops and install new laminate countertops. Old Countertops shall be disposed of legally.

SECTION 123623.13 - PLASTIC-LAMINATE-CLAD COUNTERTOPS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes plastic-laminate countertops over casework.

B. Section includes plastic-laminate countertops attached to wall.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product, including panel products, high-pressure decorative laminate, and adhesive for bonding plastic laminate.

B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

1. Plastic laminates, 8 by 10 inches (200 by 250 mm), for each type, color, pattern, and surface finish, with one sample applied to core material and specified edge material applied to one edge.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer and fabricator.

B. Product Certificates: For the following:

1. Composite wood and agrifiber products.



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2. High-pressure decorative laminate.

3. Adhesives.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful inservice performance.

B. Testing Agency Qualifications: For testing agency providing classification marking for fireretardant-treated material, an inspection agency acceptable to authorities having jurisdiction that periodically performs inspections to verify that the material bearing the classification marking is representative of the material tested.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver countertops until painting and similar operations that could damage countertops have been completed in installation areas. If countertops must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Do not deliver or install countertops until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

B. Environmental Limitations: Do not deliver or install countertops until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F (16 and 32 deg C) and relative humidity between 25 and 55 percent during the remainder of the construction period.

C. Field Measurements: Where countertops are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

D. Established Dimensions: Where countertops are indicated to fit to other construction, establish dimensions for areas where countertops are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

PART 2 - PRODUCTS

2.1 PLASTIC-LAMINATE COUNTERTOPS



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A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades indicated for construction, installation, and other requirements.

C. High-Pressure Decorative Laminate: NEMA LD 3.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following as indicated by manufacturer's designations as indicated on drawings:

a. Formica Corporation.

b. Nevamer; Div. of Panolam Industries International, Inc.

c. Pionite; Div. of Panolam Industries International, Inc.

d. Wilsonart International; Div. of Premark International, Inc.

D. Colors, Patterns, and Finishes: To be selected from standard colors. Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

1. As selected by Architect from manufacturer's full range in the following categories:

a. Solid colors, matte finish.

b. Wood grains, matte finish.

c. Patterns, matte finish.

2. Edge Treatment: 3-mm PVC edging.

F. Core Material: Particleboard.

G. Core Thickness: 1-1/8 inch (29 mm).

H. Backer Sheet: Provide plastic-laminate backer sheet, NEMA LD 3, Grade BKL, on underside of countertop substrate.

2.2 WOOD MATERIALS

A. Wood Products: Provide materials that comply with requirements of referenced quality standard unless otherwise indicated.

1. Wood Moisture Content: 5 to 10 percent.



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B. Composite Wood and Agrifiber Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.

1. Particleboard: ANSI A208.1, Grade M-2, made with binder containing no urea formaldehyde.

2.3 ACCESSORIES

A. Grommets for Cable Passage through Countertops: 2-inch (51-mm) OD, black, molded-plastic grommets and matching plastic caps with slot for wire passage.

2.4 MISCELLANEOUS MATERIALS

A. Adhesives: Do not use adhesives that contain urea formaldehyde.

2.5 FABRICATION

A. Match size of existing countertops.

B. Complete fabrication, including assembly, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

1. Notify Architect seven days in advance of the dates and times woodwork fabrication will be complete.

2. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements before disassembling for shipment.

C. Shop cut openings to maximum extent possible to receive appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

1. Seal edges of openings in countertops with a coat of varnish.

PART 3 - EXECUTION

3.1 PREPARATION

A. Before installation, condition countertops to average prevailing humidity conditions in installation areas.



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B. Before installing countertops, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

A. Grade: Install countertops to comply with same grade as item to be installed.

B. Assemble countertops and complete fabrication at Project site to the extent that it was not completed in the shop.

1. Seal edges of cutouts by saturating with varnish.

C. Field Jointing: Where possible, make in the same manner as shop jointing, using dowels, splines, adhesives, and fasteners recommended by manufacturer. Prepare edges to be joined in shop so Project-site processing of top and edge surfaces is not required. Locate field joints where shown on Shop Drawings.

1. Secure field joints in plastic-laminate countertops with concealed clamping devices located within 6 inches (150 mm) of front and back edges and at intervals not exceeding 24 inches (600 mm). Tighten according to manufacturer's written instructions to exert a constant, heavy-clamping pressure at joints.

D. Install countertops level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).

E. Scribe and cut countertops to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.

F. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.

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

3.3 ADJUSTING AND CLEANING

A. Repair damaged and defective countertops, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.

B. Clean countertops on exposed and semiexposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.



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D. PAINTING

Paint products that may be incorporated into the Work include.

1. Farrell Calhoun Paint Company
2. PPG Industries, Pittsburgh Paints
3. The Sherwin-Williams Company
4. Or approved equal.

A. INTERIOR WALLS. Includes but not limited to classrooms, corridors, vestibule areas, stairwells, and offices. Clean all walls of dirt, oil and foreign matter prior to priming and painting. Patch as necessary with spackling compound, sand, clean, prime all walls and paint with two coats of interior latex semi-gloss.

B. METAL PRODUCTS: Clean, scrape, sand as necessary and prep metal door/frames, heat ventilators, handrails, window casings. Apply one coat of metal primer. Finish with two coats Of Industrial Enamel.

C. PLASTER CEILINGS: Surfaces to be painted shall be patched with spackling compound and primed as needed with a stain blocking primer and painted with two coats of interior white latex paint.

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