TO ALL BIDDERS OF RECORD:

This Addendum forms a part of the Contract Documents and modifies the Drawings and Project Manual as hereinafter indicated.

1) **Specifications**

a) Added Spec Section 08 21 10 Flush Wood doors.
b) Added Spec Section 08 88 53 Childgard Security Glazing

2) **Miscellaneous Information & Clarifications**

   A. **Response to RFI questions**

   **Question 01:** Please provide the manufacturer's name of the Fire Alarm Control Panel at each of the 7 schools  
   **Response 01:** The General contractor needs to coordinate with the Owner or Owner representative. (However, from our field investigation photographs, it seems that The Fire Control Instruments Inc. from Newton Mass. Has been used consistently for most schools)

   **Question 02:** There is a spec. section for roof hatches. Please confirm that there are new roof hatches on this project  
   **Response 02:** Omit Roof Hatch & Safety post from specification section 077200

   **Question 03:** There is a section for ceramic tile. Please confirm that there is no ceramic tile on this project.  
   **Response 03:** There is no ceramic tile in the project.

   **Question 04:** Is there a possibility of a time extension on the Bid date?  
   **Response 04:** Currently there is no time extension of the bid date.

   **Question 05:** I am also assuming that door 103 (SK High School is Door Type “C” since there is no Door Type ‘2’. Please confirm.  
   **Response 05:** Correct South Kingstown High School door number 103 is door type C on 1/A910

   **Question 06:** But do you happen to know the Species/Finish? I don't see a Wood Door Spec. Please provide.  
   **Response 06:** See attachments

   **Question 07:** I’m going through the Aluminum Hardware sets and Hardware Sets 03 and 04 list (2) Rim Panics and Cylinder Kits but don’t list a mullion. Can you please ask if there is supposed to be a mullion added to the Hardware Sets or if the panic devices are wrong?  
   **Response 07:** There are no mullions. Please adjust door hardware accordingly.
**Question 08:** The Elevations on A911 don’t seem to match what is on the Door Schedule. Which is correct? For instance, Elevation 2 (South Kingstown High School) have Openings labeled 100, 101, 102 and the Door Schedule (A910) has Openings labeled 101, 102, 103.

**Response 08:** The door numbers on elevation on A911 are incorrect they should match the floor plan & door schedule.

**Question 09:** The specification table of contents, page 2 of 2, contains a specification section 280000, Security. The specifications do not contain this section, please provide.

**Response 09:** The specifications are in the drawing TY002. Omit the spec section 28000 from the specs.

**Question 10:** The proposed floor plan on drawing A100M contains the note A3.5 Typ. In Corridor 103, What does this refer to?

**Response 10:** Omit work note A3.5 only at that location on A100M & A100WK.

**Question 11:** Please provide elevations and details for the casework indicated on 2/A100M. Nothing is shown on the drawings.

**Response 11:** Refer to attached sketch #ASK 001.

3) **Clarifications**

1. There is terrazzo tile in the project at South Kingstown High School.

**ADDENDUM ATTACHMENT LIST:**

- Spec Section 08 21 10 Flush Wood doors.
- Spec Section 08 88 53 Childgard Security Glazing
- ASK001

(This completes Addendum No. 2)
SECTION 08 21 10 - FLUSH WOOD DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section Includes:
   1. Solid-core doors with wood-veneer faces.
   2. Factory finishing flush wood doors.
   3. Factory fitting flush wood doors to frames and factory machining for hardware.

B. Related Sections:
   1. Division 06 Section "Interior Architectural Woodwork" for requirements for veneers from the same flitches for both flush wood doors and wood paneling.
   2. Division 08 Section "Glazing" for glass view panels in flush wood doors.
   3. Division 08 Section "Hollow Metal Doors & Frames".

1.3 SUBMITTALS

A. Product Data: For each type of door indicated. Include details of core and edge construction and trim for openings. Include factory-finishing specifications.

B. Shop Drawings: Indicate location, size, and hand of each door; elevation of each kind of door; construction details not covered in Product Data; location and extent of hardware blocking; and other pertinent data.
   1. Indicate dimensions and locations of mortises and holes for hardware.
   2. Indicate dimensions and locations of cutouts.
   3. Indicate requirements for veneer matching.
   4. Indicate doors to be factory finished and finish requirements.
   5. Indicate fire-protection ratings for fire-rated doors.

C. Samples for Initial Selection: For factory-finished doors.

D. Samples for Verification:
   1. Factory finishes applied to actual door face materials, approximately 8 by 10 inches, for each material and finish. For each wood species and transparent finish, provide set of three samples showing typical range of color and grain to be expected in the finished work.
   2. Corner sections of doors, approximately 8 by 10 inches, with door faces and edges representing actual materials to be used.
      a. Provide samples for each species of veneer and solid lumber required.
b. Provide samples for each color, texture, and pattern of plastic laminate required.
c. Finish veneer-faced door samples with same materials proposed for factory-finished doors.

3. Frames for light openings, 6 inches long, for each material, type, and finish required.

E. Warranty: Sample of special warranty.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: A qualified manufacturer that is certified for chain of custody by an FSC-accredited certification body.

B. Source Limitations: Obtain flush wood doors from single manufacturer.


1. Provide AWI Quality Certification Labels or an AWI letter of licensing for Project indicating that doors comply with requirements of grades specified.
2. Provide WI-Certified Compliance Certificate indicating that doors comply with requirements of grades specified.

D. Forest Certification: Provide doors made with not less than 70 percent of wood products obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."

E. Fire-Rated Wood Doors: Doors complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10B.

1. Oversize Fire-Rated Door Assemblies: For units exceeding sizes of tested assemblies, provide certification by a qualified testing agency that doors comply with standard construction requirements for tested and labeled fire-rated door assemblies except for size.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Comply with requirements of referenced standard and manufacturer's written instructions.

B. Package doors individually in plastic bags or cardboard cartons.

C. Mark each door on top and bottom rail with opening number used on Shop Drawings.

1.6 PROJECT CONDITIONS

A. Environmental Limitations: Do not deliver or install doors until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.
1.7 WARRANTY

A. Special Warranty: Manufacturer’s standard form in which manufacturer agrees to repair or replace doors that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
   a. Warping (bow, cup, or twist) more than 1/4 inch in a 42-by-84-inch section.
   b. Telegraphing of core construction in face veneers exceeding 0.01 inch in a 3-inch span.

2. Warranty shall also include installation and finishing that may be required due to repair or replacement of defective doors.


PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Algoma Hardwoods, Inc.
2. Chappell Door Co.
3. Eggers Industries.
4. Graham
5. Lambton Doors.
7. Mohawk Flush Doors, Inc.; a Masonite company.
10. VT Industries Inc.

2.2 DOOR CONSTRUCTION, GENERAL

A. Low-Emitting Materials: Provide doors made with adhesives and composite wood products that do not contain urea formaldehyde.

B. WDMA I.S.1-A Performance Grade: Heavy Duty.

C. Provide all wood doors receiving electromechanical hardware with wiring harness and Molex™ standardized concealed plug connectors to accommodate up to twelve (12) wires. Coordinate Molex™ connectors on end of the wiring harness to plug directly into the electrified hardware and the electric hinge.

D. Particleboard-Core Doors:

2. Blocking: Provide wood blocking in particleboard-core doors as follows:
   a. 5-inch top-rail blocking, in doors indicated to have closers.
b. 5-inch bottom-rail blocking, in exterior doors and doors indicated to have kick, mop, or armor plates.

c. 5-inch midrail blocking, in doors indicated to have exit devices.

3. Provide doors with either glued-wood-stave or structural-composite-lumber cores instead of particleboard cores for doors indicated to receive exit devices.

E. Structural-Composite-Lumber-Core Doors:

   a. Screw Withdrawal, Face: 700 lbf.
   b. Screw Withdrawal, Edge: 400 lbf.

F. Fire-Protection-Rated Doors: Provide core specified or mineral core as needed to provide fire-protection rating indicated.

1. Edge Construction: Provide edge construction with intumescent seals concealed by outer stile. Comply with specified requirements for exposed edges.
2. Pairs: Provide fire-retardant stiles that are listed and labeled for applications indicated without formed-steel edges and astragals. Provide stiles with concealed intumescent seals. Comply with specified requirements for exposed edges.

G. Mineral-Core Doors:

1. Core: Noncombustible mineral product complying with requirements of referenced quality standard and testing and inspecting agency for fire-protection rating indicated.
2. Blocking: Provide composite blocking with improved screw-holding capability approved for use in doors of fire-protection ratings indicated as follows:
   a. 5-inch top-rail blocking.
   b. 5-inch bottom-rail blocking, in doors indicated to have protection plates.
   c. 5-inch midrail blocking, in doors indicated to have armor plates.
   d. 5-inch midrail blocking, in doors indicated to have exit devices.
3. Edge Construction: At hinge stiles, provide laminated-edge construction with improved screw-holding capability and split resistance. Comply with specified requirements for exposed edges.

2.3 VENEERED-FACED DOORS FOR TRANSPARENT FINISH

A. Interior Solid-Core Doors

1. Grade: Premium, with Grade AA faces.
2. Species: As indicated on drawings. If not indicated on drawings, provide Red Oak.
3. Cut: Plain sliced (flat sliced).
5. Assembly of Veneer Leaves on Door Faces: Balance match.
6. Pair and Set Match: Provide for doors hung in same opening or separated only by mullions.
7. Room Match: Match door faces within each separate room or area of building. Corridor-door faces do not need to match where they are separated by 20 feet or more.
8. Room Match: Provide door faces of compatible color and grain within each separate room or area of building.
9. Core: Particleboard, Glued wood stave, or Structural composite lumber.
10. Construction: Five plies. Stiles and rails are bonded to core, then entire unit abrasive planed before veneering. Faces are bonded to core using a hot press.
11. WDMA I.S.1-A Performance Grade: Heavy Duty.

2.4 LIGHT FRAMES

A. Wood Beads for Light Openings in Wood Doors: Provide manufacturer’s standard wood beads as follows unless otherwise indicated.
   1. Wood Species: Same species as door faces.
   2. Profile: Manufacturer’s standard shape.
   3. At wood-core doors with 20-minute fire-protection ratings, provide wood beads and metal glazing clips approved for such use.

B. Wood-Veneered Beads for Light Openings in Fire-Rated Doors: Manufacturer’s standard wood-veneered noncombustible beads matching veneer species of door faces and approved for use in doors of fire-protection rating indicated. Include concealed metal glazing clips where required for opening size and fire-protection rating indicated.

2.5 FABRICATION

A. Factory fit doors to suit frame-opening sizes indicated. Comply with clearance requirements of referenced quality standard for fitting unless otherwise indicated.
   1. Comply with requirements in NFPA 80 for fire-rated doors.

B. Factory machine doors for hardware that is not surface applied. Locate hardware to comply with DHI-WDHS-3. Comply with final hardware schedules, door frame Shop Drawings, DHI A115-W series standards, and hardware templates.
   1. Coordinate with hardware mortises in metal frames to verify dimensions and alignment before factory machining.
   2. Metal Astragals: Factory machine astragals and formed-steel edges for hardware for pairs of fire-rated doors.
   3. Provide doors and frames at access controlled openings with concealed wiring harnesses and electrical connectors to properly receive the specified electromechanical hardware.

C. Openings: Cut and trim openings through doors in factory.
   1. Light Openings: Trim openings with moldings of material and profile indicated.
   2. Glazing: Factory install glazing in doors indicated to be factory finished. Comply with applicable requirements in Division 08 Section "Glazing."
2.6 FACTORY FINISHING

A. General: Comply with referenced quality standard for factory finishing. Complete fabrication, including fitting doors for openings and machining for hardware that is not surface applied, before finishing.
   1. Finish faces, all four edges, edges of cutouts, and mortises. Stains and fillers may be omitted on bottom edges, edges of cutouts, and mortises.

B. Finish doors at factory.

C. Transparent Finish:
   1. Grade: Premium.
   2. Finish: AWI TR-4 conversion varnish system.
   3. Staining: As selected by Architect from manufacturer's full range.
   4. Effect: Filled finish.
   5. Sheen: Satin.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and installed door frames before hanging doors.
   1. Verify that frames comply with indicated requirements for type, size, location, and swing characteristics and have been installed with level heads and plumb jambs.
   2. Reject doors with defects.

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

3.2 INSTALLATION

A. Hardware: For installation, see Division 08 Section "Door Hardware."

B. Installation Instructions: Install doors to comply with manufacturer's written instructions and the referenced quality standard, and as indicated.
   1. Install fire-rated doors in corresponding fire-rated frames according to NFPA 80.

C. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.

D. Factory-Finished Doors: Restore finish before installation if fitting or machining is required at Project site.

3.3 ADJUSTING

A. Operation: Rehang or replace doors that do not swing or operate freely.
B. Finished Doors: Replace doors that are damaged or that do not comply with requirements. Doors may be repaired or refinished if work complies with requirements and shows no evidence of repair or refinishing.

END OF SECTION 08 14 16
SECTION 08 88 53 - SECURITY GLAZING

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Approved Manufacturers: Subject to compliance with requirements, provide products from one of the following manufacturers:
   1. Global Security Glazing; www.security-glazing.com
   2. Dlubak Specialty Glass Corporation; www.dlubakglass.com
   3. Consolidated Glass Holdings; www.cghinc.com

2.02 WARRANTY

A. Manufacturer’s Special Warranty for Laminated Security Glass: Manufacturer’s standard form in which laminated-glass manufacturer agrees to replace laminated glass that deteriorates within specified warranty period. Deterioration is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer’s written instructions. Defects include edge separation and delamination due to defects in material workmanship.
   1. Warranty Period: 5 years from date of Manufacture.

A. Manufacturer’s Special Warranty for Insulating Glass: Manufacturer’s standard form in which insulating-glass manufacturer agrees to replace insulating-glass units that deteriorate within specified warranty period. Deterioration of insulating glass is defined as failure of hermetic seal under normal use that is not attributed to glass breakage or to maintaining and cleaning insulating glass contrary to manufacturer’s written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.
   1. Warranty Period: 5 years from date of Manufacture.

2.02 MATERIALS [Security Glazing]

Basis of Design: Childgard Security Glazing by Consolidated Glass Holdings – Global Security Glazing (1-866-412-6977 ext 114) to meet ASTM F1233 Class 1.3 Forced Entry Resistance. Substitutions must provide third party test report indicating compliance with this testing criteria.

2.03 SECURITY GLAZING TYPES

   1. Overall Unit Thickness: 1 inch
   3. Exterior Pane: 1/4” FT
   4. Airspace: 3/8” Air Space [or 1/2” Air]
   5. Interior Pane: Childgard Security Glazing by Global Security Glazing or other CGH Inc. Company
a. Forced Entry Resistance: ASTM F1233 Class 1.3
b. Glass Color: Clear
6. U-Factor: .47
7. Solar Heat Gain Coefficient: .66
8. Overall Visible Light Transmittance: .73
9. Provide Certification for Fabrication by Vitro Architectural Glass
10. Provide Test Report for ASTM F1233 Class 1.3 by Third Party Independent Laboratory.

B. Interior Security Glazing (Type SG-1): Childgard Security Glazing
1. Overall Unit Thickness: 3/8 inch
2. Interior Pane: Childgard Security Glazing by Global Security Glazing or other CGH Inc. Company
   a. Forced Entry Resistance: ASTM F1233 Class 1.3
   b. Glass Color: Clear
3. U-Factor: .92
4. Solar Heat Gain Coefficient: .75
5. Overall Visible Light Transmittance: .87
6. Provide Test Report for ASTM F1233 Class 1.3 by Third Party Independent Laboratory.