Addendum No. 2

January 30, 2015

TREASURER'S OFFICE RENOVATION **1421**

The contract bid documents for the above project are hereby amended as follows:

This addendum consist of 10 pages

Item	Section/Drawing No.	Description
2.01	Table of Contents	Insert the two sections listed below under Division 08-Openings
2.02	Section 08 7100: Door Hardware	Insert Section into appropriate location in Technical Specifications
2.03	Section 08 8000: Glazing	Insert Section into appropriate location in Technical Specifications

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SECTION 08 7100

DOOR HARDWARE

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
1. Hardware for wood doors.
2. Sound seals.
3. Hardware for other sections referencing this section.

B. Related Sections:
1. Division 01: Administrative, procedural, and temporary work requirements.
2. Section 08 1433: Stile and Rail Wood Doors

DOOR SECTION 08 1433

1.2 REFERENCES

A. American National Standards Institute/Builders Hardware Manufacturers Association (ANSI/BHMA):
1. A156.1 - Butts and Hinges.
2. A156.2 - Bored and Preassembled Locks and Latches.
3. A156.4 - Door Controls - Closers.
4. A156.5 - Auxiliary Locks and Associated Products.
5. A156.18 - Materials and Finishes.
6. A156.26 - Continuous Hinges.

1.3 SUBMITTALS

A. Submittals for Review:
1. Shop Drawings: Schedule hardware by door type and location; show door size, hand, thickness, edge bevel, hardware components and quantities, keying, and finishes.
2. Product Data: Manufacturer's descriptive data for each component.

B. Closeout Submittals:
1. Copy of approved hardware schedule.
2. Keying list.
3. Keys; tag with mark corresponding to keying schedule.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Minimum 5 years experience in work of this Section.

B. Provide hardware labeled by recognized independent testing laboratory and meeting requirements of NFPA 80 for fire rated doors.

C. Provide smoke gasketing at fire rated doors in accordance with NFPA 105.

D. Conform to applicable accessibility code for locating hardware and for door opening force requirements.

1.5 DELIVERY, STORAGE AND HANDLING

A. Pack hardware items separately, with fasteners, installation instructions, and templates.

B. Mark containers with item number corresponding to hardware schedule.

1.6 WARRANTIES

A. Furnish manufacturer's lifetime warranty for[locksets and door closers.

1.7 MAINTENANCE

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers - Butt Hinges:
1. Bommer Industries, Inc. (www.bommer.com)
2. Hager Companies. (www.hagerco.com)
3. McKinney Products Co. (www.mckinneyhinge.com)
4. Stanley Hardware. (www.stanleyworks.com)

B. Acceptable Manufacturers - Continuous Hinges:
1. Hager Companies. (www.hagerco.com)
2. McKinney Products Co. (www.mckinneyhinge.com)
3. Pemko Manufacturing Co. (www.pemko.com)
4. Stanley Hardware. (www.stanleyhardware.com)

C. Acceptable Manufacturers - Locksets, Latchsets, Deadbolts, and Cylinders:
1. Best Access Systems. (www.bestaccess.com)
2. Corbin Russwin Architectural Hardware. (www.corbin-russwin.com)
3. Schlage Lock Co. (www.schlage.com)
4. Sargent Mfg. (www.sargentlock.com)
5. Yale Security, Inc. (www.yalelocks.com)

D. Acceptable Manufacturers - Closers:
1. Corbin Russwin Architectural Hardware. (www.corbin-russwin.com)
2. Dorma Door Controls, Ltd. (www.dorma-usa.com)
3. LCN Closers. (www.lcnclosers.com)
4. Sargent Mfg. (www.sargentlock.com)
5. Yale Security, Inc. (www.yalelocks.com)

E. Substitutions: Under provisions of Division 01.

2.2 MANUFACTURED UNITS

A. Butt Hinges:
1. Description: ANSI/BHMA A156.1, full mortise type, five knuckle, non rising pin, hole in bottom tip for pin removal.
2. Weight: Heavy weight.
3. Bearing type: Ball bearing.
4. Size: 4-1/2 x 4-1/2 inches.

B. Locksets, Latchsets, Deadbolts, and Cylinders:
1. Locksets and latchsets:

a. Type: ANSI/BHMA A156.13, Grade 1 cylindrical,
b. Lever design: equal to Schlage ND series - Athens

2. Cylinders: Six pin, solid brass, removable core type.
3. Keys: Solid brass.
4. Keying:
a. Key alike, cross key, or otherwise key as directed by Owner.
b. Provide four keys for each lock and 6 master keys.

C. Door Stops: Wall mounted, bright bronze housing with resilient bumper.

D. Kick Plates:
1. Type: 16 gage, [square edges, secured with flathead countersunk screws.
2. Size: 12 inches high x door width less 2 inches.

E. Silencers: rubber

2.3 FINISHES

A. Finishes: To ANSI/BHMA A156.18.

B. Escutcheon: Rectangular 2 ¼" x 7" equal to House of Antique Hardware "Stamped Brass New York Door Plate" polished finish.

C. Hinges at Fire-Rated Doors: Finish No 611 bright bronze clear coated

D. Other: Finish No. 611, bright bronze, clear coated.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install hardware in accordance with approved hardware schedule and manufacturer's instructions.

B. Install mortise items flush with adjacent surfaces.

C. Install locksets, closers, and trim after finish painting.

D. Set thresholds in mastic and secure.

E. Mount closers so that closers and closer arms are not visible on corridor or public side of doors or on exterior of building.

F. Mounting Heights - Finished Floor to Center Line of:
1. Locksets: 38 inches.
2. Push and pull plates: 42 inches.
3. Dead locks: 48 inches.
4. Push pad exit devices: 42 inches.
5. Cross bar exit devices: 38 inches.
6. Top hinge: Maximum 10 inches from frame head.
7. Bottom hinge: Maximum 12-1/2 inches from floor.
8. Intermediate hinges: Equally spaced.

3.2 PROTECTION

A. Remove or protect hardware until painting is completed.

3.3 ADJUSTING

A. Test and adjust hardware for quiet, smooth operation, free from binding and rattling.

B. Adjust doors to operate with maximum opening forces in accordance with applicable accessibility code

3.4 SCHEDULE

Manufacturers shown in table are to establish quality only. See above for approved manufacturer substitutes.

SET NO.	QUANTITY	DESCRIPTION	MODEL NO.	FINISH
1	1 ½ pr	Butts	FF179 4-1/2x4-1/2	611
	2	Escutcheon		611
	1	Lever Lock set	ND50PD-ATH	611
	1	Door Stop		611
	3	Silencer		611
	2	Kick plate	12x34	611

END OF SECTION

SECTION 08 8000

GLAZING

GENERAL

1.1 SUMMARY

A. Section Includes:
1. Glass for other sections referencing this Section.
2. Casework Shield Partitions

B. Related Sections:
1. Division 01: Administrative, procedural, and temporary work requirements.
2. Division 06 4100: Architectural Wood Casework
3. Section 08 01433: Wood Stile and Rail Doors

1.2 REFERENCES

A. American Architectural Manufacturers Association (AAMA) 800 - Voluntary Specifications and Test Methods for Sealants.

B. American National Standards Institute (ANSI) Z97.1 - Safety Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings.

C. American Society of Civil Engineers (ASCE) 7 - Minimum Design Loads for Buildings and Other Structures.

D. ASTM International (ASTM):
1. C509 - Standard Specification for Elastomeric Cellular Preformed Gasket and Sealing Material.
2. C794 - Standard Test Method for Adhesion-In-Peel of Elastomeric Joint Sealants.
3. C864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers.
4. C920 - Standard Specification for Elastomeric Joint Sealants.
5. C1036 - Standard Specification for Flat Glass.
6. C1048 - Standard Specification for Heat-Treated Flat Glass-Kind HS, Kind FT, Coated and Uncoated Glass.
7. C1115 - Standard Specification for Dense Elastomeric Silicone Rubber Gaskets and Accessories.
8. C1172 - Standard Specification for Laminated Architectural Flat Glass.
9. C1184 - Standard Specification for Structural Silicone Sealants.
10. C1281 - Standard Specification for Preformed Tape Sealants for Glazing Applications.
11. C1294 - Standard Test Method for Compatibility of Insulating Glass Edge Sealants with Liquid-Applied Glazing Materials.
12. C1330 - Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants.
13. E119 - Standard Test Method for Fire Tests of Building Construction and Materials.
14. E152 - Standard Test Method for Fire Test of Door Assemblies.
15. E163 - Standard Test Method for Fire Tests of Window Assemblies.
16. E330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors By Uniform Static Air Pressure Difference.
17. E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings.
18. E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation.
19. F1233 - Standard Specification for Security Glazing Materials and Systems.

E. Consumer Product Safety Commission (CPSC) 16 CFR 1201 - Safety Standard for Architectural Glazing Materials.

F. Glass Association of North America (GANA):
   1. Engineering Standards Manual.
   2. Glazing Manual.
   3. Laminated Glass Design Guide.

G. Insulating Glass Manufacturers Alliance (IGMA):
   1. IGMA TB-3001 - Sloped Glazing Guidelines.
   2. SIGMA TM-3000 - Glazing Guidelines for Sealed Insulating Glass Units.

H. National Fenestration Rating Council (NFRC):
   1. 100 - Procedure for Determining Fenestration Product Thermal Properties.
   2. 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficients at Normal Incidence.
   3. 300 - Procedures for Determining Solar Optical Properties of Simple Fenestration Products.

I. Underwriters Laboratories (UL) 752 - Standard for Safety Bullet-Resisting Equipment.

1.3 SYSTEM DESCRIPTION

A. Glass Thicknesses:
   1. Indicated thicknesses are minimums; select actual glass thicknesses by analyzing loads and conditions.
   2. Size glass to withstand positive and negative wind pressure acting normal to plane in accordance with ASCE 7 and the current Building Code as measured in accordance with ASTM E330.
   3. Provide glass in thicknesses and strengths to meet or exceed following criteria:
      a. Comply with ASTM E1300.
      b. Probability of breakage for vertical glazing: 8 lites per 1000 for lites set within 15 degrees of vertical and under wind load for load duration of 3 seconds.
      c. Probability of breakage for sloped glazing: 1 lite per 1000 for lites set more than 15 degrees off vertical and under wind load [and snow load] for duration of 30 days.
      d. Thickness of tinted glass: Provide same thickness for each tint color for all applications.

B. Thermal and Optical Performance Properties: Provide glass meeting specified performance properties, based on manufacturer's published test data for units of thickness indicated:
   1. U-factor: Per NFRC 100 expressed as Btu/square foot x hour x degree F.
   2. Solar heat gain coefficient: Per NFRC 200.
   3. Solar optical properties: Per NFRC 300.

1.4 SUBMITTALS

A. Submittals for Review:
   1. Samples:
      a. 2 x 12 inch glass samples except clear.
   2. Warranty: Sample warranty form.

B. Quality Control Submittals:
   1. Test Report: Preconstruction adhesion and compatibility test report from glazing sealant manufacturer, based on submitted samples or acceptable data from previous testing of current formulations with similar products.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Minimum 5 years documented experience in work of this Section.

B. Regulatory Requirements:
   1. Provide safety glass for locations subject to human impact as required by Building Code.

2. Safety glass: Tested and labeled to CPSC 16 CFR 1201.

C. Perform Work in accordance with GANA Glazing Manual, GANA Laminated Glass Design Guide.

D. Interior Glazing Sealers and Accessories: Maximum volatile organic compound (VOC) content as follows:
1. Glazing sealant: 250 grams per liter.
2. Primers for non-porous substrates: 250 grams per liter.
3. Primers for porous substrates: 775 grams per liter.

1.6 PROJECT CONDITIONS

A. Perform glazing on dry surfaces.

1.7 WARRANTIES

A. Laminated Glass Units: Provide manufacturer's 5 year warranty against manufacturing defects resulting in edge separation, delamination, or material obstruction of vision through glass surface.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers - Glass:
1. Guardian Industries Corp. (www.guardian.com)
2. Oldcastle BuildingEnvelope. (www.oldcastlebe.com)
3. Pilkington Architectural. (www.pilkington.com)
4. PPG Industries, Inc. (http://www.ppg.com/)
5. Viracon, Inc. (www.viracon.com)

B. Substitutions: Under provisions of Division 01.

2.2 MATERIALS - GLASS

A. Clear Glass: ASTM C1036, Type 1 transparent flat, Class 1 clear, Quality q3 glazing select.

B. Clear Tempered Glass: ASTM C1048, Type 1 transparent flat, Class 1 clear, Quality q3 glazing select, Kind FT fully tempered.

C. Patterned Safety Glass: ASTM C1048, Kind FT fully tempered, Condition A uncoated surfaces, Type II - patterned glass, flat, Class 1 - clear, Quality q8 - glazing, Form 3 - patterned, Finish: frosted one side.

2.3 ACCESSORIES

A. Setting Blocks: ASTM C864, neoprene or EPDM, or ASTM C1115, silicone; 80 to 90 Shore A durometer hardness.

B. Spacers: ASTM C864, neoprene or EPDM, or ASTM C1115, silicone; 50 to 60 Shore A durometer hardness.

C. Contact Sealant:
1. Type: Single component, medium modulus, neutral moisture curing silicone sealant; ASTM C1184 and ASTM C920, Type S, Grade NS, Class 25, Use NT, M, G and A.
2. Movement capability: 50 percent in extension and compression.

3. Compatible with glass unit edge seals; tested to ASTM C1294.
4. Color: To be selected from manufacturer's full color range.

D. Glazing Sealant: ASTM C920, Type S, Grade NS, Class 25; single component silicone, low modulus, non sag, color to be selected from manufacturer's full color range.

E. Sealant Backing: ASTM C1330, Type O, size and density to control glazing sealant depth and produce optimum glazing sealant performance.

F. Primer: As recommended by glazing sealant manufacturer.

G. Glazing Tape: ASTM C1281 and AAMA 800; butyl based elastomeric tape with integral resilient tube spacer, 10 to 15 Shore A durometer hardness, black color, coiled on release paper; widths required for installation.

H. Glazing Compound: Modified oil type, non hardening, knife grade consistency, color to be selected from manufacturer's full color range.

I. Partition Post: Match existing post size, shape, finish and installation method. External closed bottom channel; Flat top design; Finish: satin stainless

2.4 FABRICATION

A. Annealed Glass: Comply with ASTM C1036.

B. Tempered Glass:
1. Comply with ASTM C1048.
2. Process in horizontal position so that inherent roller distortion will run parallel to building floor lines after installation.

C. Fabrication Tolerances: ASTM C1036 and ASTM C1048.

D. Glass Identification:
1. Apply manufacturer's label indicating type and thickness to each light of glass. Show position of exterior face when installed, where applicable.
2. Etch manufacturer's label on each light of tempered glass.

E. Source Quality Control:
1. Preconstruction adhesion and compatibility testing:
a. Perform adhesion test including ultraviolet exposure through glass on production samples of metals and glass in accordance with ASTM C794.
b. Test glass units, glazing materials, and glass framing members with specified finish for sealant compatibility, priming, and preparation requirements for optimum adhesion and performance.

PART 3 EXECUTION

3.1 PREPARATION

A. Clean glazing rabbets; remove loose and foreign matter.

B. Remove protective coatings on metal surfaces.

C. Clean glass just prior to installation.

3.2 INSTALLATION - GENERAL

A. Install glass in accordance with glass and door manufacturer's instructions.

B. Maintain manufacturer's recommended edge and face clearances between glass and frame members.

3.3 PROTECTION

A. After installation, mark glass with an 'X' using removable plastic tape.

3.4 SCHEDULE

A. Type 1:
   1. Description: ¼” inch thick frosted tempered glass.
   2. Locations: Interior doors and glazed openings at locations subject to human impact.

B. Type 2:
   1. Description: ¼” inch thick clear glass.
   2. Locations: Door transom

C. Type 3:
   1. Description: ½” inch thick clear safety tempered glass.
   2. Locations: Counter top glass partitions, verify dimensions to match existing partitions.

END OF SECTION