9. Flush Wood Paneling and Wainscots:

- a. Species for Transparent Finish: Refer to Finish Schedule.
- b. Species for Opaque Finish: Any closed-grain hardwood.
- c. Grade: Premium.
- d. Core: Veneer core plywood.
- e. Veneer Matching of Leaves: Book. f. Veneer Matching In Panel Face: Running.
- g. Panel Matching Method: Sequence-matched panel sets.
- 10. Shelving:
 - a. Species for Transparent Finish: Refer to Finish Schedule
 - b. Species for Opaque Finish: Hardwood veneer plywood with solid
 - hardwood edgeband. c. Grade: Premium.
 - d. Shelf Supports: Recessed slotted standards.
 - e. Closet poles: Chrome plated steel with intermediate supports.

D. Auxiliary Materials:

- 1. Screws: FS FF-S-111, countersunk.
- 2. Nails: FS FF-N-105, countersunk.
- 3. Anchors: Type required for secure anchorage

E. Factory Finishing for Interior Architectural Woodwork:

- 1. Transparent Finish:
 - a. Premium grade. b. Stain as indicated on the Finish Schedule.
- c. Dull satin sheen.
- 2. Opaque Finish: Premium grade. Dull satin sheen.

F. Installation:

- 1. Comply with standards referenced.
- 2. Backprime work before installation.
- 3. Provide trim for scribing and site cutting.
- 4. Install work plumb, level and in proper alignment.
- 5. Provide work free from tool marks and blemishes. 6. Securely fasten to substrates.
- 7. Install in lengths to minimize joints and seams.
- 8. Color match wood for transparent finish at joints for uniform appearance.
- 9. Touch-up damaged or abraded finishes.

SECTION 072100 - THERMAL INSULATION

- A. Summary: Provide building insulation and vapor retarders: 1. Thermal insulation in exterior cavity walls, board type.
 - 2. Thermal insulation in masonry cells, loose fill type.
 - 3. Thermal insulation in exterior walls, blanket type.
 - 4. Thermal insulation at underside of roofs, over heated spaces and over soffits,
 - 5. Thermal insulation over unheated areas, blanket type.
- 6. Sheet vapor retarders.
- B. Submittals: Submit product data.

C. Products:

- 1. Board Insulation:
 - a. Extruded polystyrene, rigid, ASTM C 578.
 - b. Mineral fiber board, ASTM C 612, types IA and IB.
- 2. Blanket/Batt Insulation:
- a. Glass fiber or mineral slag fiber, ASTM C 665, Type I (unfaced). b. Glass fiber or mineral slag fiber, ASTM C 665, Type III (foil-scrim-kraft
- vapor-retarder membrane).

3. Loose Fill Insulation:

- a. Loose granular perlite, ASTM C 549, Type II.
- b. Loose granular vermiculite, ASTM C 516, Type II.
- 4. Vapor Retarder (Not Integral with Insulation):
- a. Polyethylene, ASTM D 4397, 6 mils, 0.13 perm vapor transmission rating. b. Reinforced 3-ply polyethylene, 10 to 12 mils. 5. Accessories:
- a. Adhesives and mechanical anchors.
- b. Crack sealers and tapes.
- D. Installation: Install insulation and vapor barriers with continuous coverage to provide optimum performance.

SECTION 078110 - FIREPROOFING

- A. Summary: Patch fireproofing disturbed by remodeling operations. 1. In buildings where structural steel has been covered with sprayed fireproofing
 - material, the Contractor is to patch and repair said material where it has been damaged or removed during the course of this work. Any areas of fireproofing which are observed to be damaged or missing upon commencement of this project are to be brought to the attention of the Architect prior to beginning work in the area involved. The Contractor is to notify the Architect for final inspection of the fireproofing prior to installation of the ceiling.
- B. Submittals: Submit product data, test reports.
- C. Products: Fire Performance: ASTM E 119, and local regulations. Cementitious type for Concealed Use: 15 pounds per cubic foot dry density, ASTM E 605.
- D. Installation: Inspect existing and new structural members for proper fireproofing prior to close-in of ceilings and walls. Provide material thicknesses necessary to provide fireresistance ratings indicated or required by authorities having jurisdiction.

SECTION 078410 - FIRESTOPPING

- A. Summary: Provide firestopping at the following locations:
 - 1. Penetrations through fire-resistance-rated floor construction.
 - 2. Penetrations through fire-resistance-rated walls and partitions. 3. Penetrations through smoke barriers and construction enclosing
- compartmentalized areas.
- 4. Sealant joints in fire-resistance-rated construction.
- 5. Repair existing conditions disturbed prior to start of construction. Investigate and notify Architect and Owner of any previously damaged fireproofing prior to start of construction. Provide pricing and document scope for Building Owner/Tenant review.
- B. Submittals: Submit product data, test reports, mockup of each type of joint.
- C. Products: Fire Performance: ASTM E 119, ASTM E 814, and local regulations. 1. Through-Penetration Firestop Systems:
 - a. Ceramic-Fiber and Mastic Coating.
 - b. Endothermic, Latex Compounds.
 - c. Intumescent Latex Sealant.
 - d. Intumescent Putty. 2. Fire-Resistive Elastomeric Joint Sealants:

 - a. Single-component, neutral-curing, silicone sealant. b. Multicomponent, nonsag, urethane sealant.

c. Single-component, nonsag, urethane sealant.

ceilings and walls. Provide material thicknesses necessary to provide fire-resistance ratings indicated or required by authorities having jurisdiction.

SECTION 079200 - JOINT SEALANTS

- A. Summary: Provide joint sealers at interior vertical and horizontal joints.
- B. Submittals: Submit product data, mockup of each joint type, adhesion test results for each joint type.

D. Installation: Inspect existing and new work for proper firestopping prior to close-in of

C. Products:

- 1. Silicone Elastomeric Joint Sealants:
- a. Type and Application: One-part nonacid-curing silicone sealant, ASTM C 920, for vertical and horizontal joints, modulus as required for application, exterior and interior use.
- b. Type and Application: One-part mildew-resistant silicone sealant, ASTM C 920, for sanitary applications, interior use.
- 2. Latex Joint Sealants:

and frame finishes. Doors without reference are existing to remain.

- a. Acrylic Type: Acrylic-emulsion, ASTM C 834. b. Silicone Type: Silicone emulsion, ASTM C 834, and ASTM C 920.
- d. Specialty Sealants: Synthetic rubber acoustical sealant for concealed joints.

c. Application: Interior joints in vertical and overhead surfaces with limited

- 3. Auxiliary Materials:
- a. Plastic foam joint fillers.
- b. Elastomeric tubing backer rods. c. Bond breaker tape.
- D. Installation: Test sealant adhesion for each substrate required. Install in proper relation with adjacent work. Clean adjacent surfaces soiled with sealant immediately.

DIVISION 08 - OPENINGS, GENERAL

A. Summary: Refer to Construcion Plans for door locations. Refer to Finish Plans for door

SECTION 081110 - STEEL DOORS AND FRAMES

- A. Summary: Interior doors and frames.
- B. Submittals: Submit product data, shop drawings.
- C. Products: Provide steel products with recycled content. Match base building standard and comply with the following.
 - 1. Standards: ANSI/SDI-100, Recommended Specifications for Standard Steel Doors
 - 2. Fire-Rated Assemblies: NFPA 80, and acceptable testing agency listing.
- 3. Manufacturers: Ceco Door Products, Curries Company, Kewanee Corp.,
- Steelcraft, or Windsor Republic Doors.
- 4. Steel Doors: Standard seamless steel doors with hollow or composite construction. a. Interior Doors: ANSI/SDI A250.8, Grade II, heavy-duty, minimum 18 gage
- cold-rolled steel, 1-3/4 inches thick. b. Accessories: Sightproof stationary louvers and glazing stops.
 - c. Finish: Factory primed and field painted
- 5. Steel Frames: a. Interior Frames at Fire-Rated Doors, Door and Sidelite Combinations: Welded type
- b. Interior Frames at Smoke-Control and Non-Fire-Rated Doors: Knockdown
- c. Material: Sheet steel, mitered or coped corners. 14 gage for frames wider than 5 feet. 16 gage.
- d. Accessories: Door silencers and plaster guards. e. Finish: Factory primed and field painted
- D. Installation: Comply with SDI-100, and NFPA 80 for fire-rated assemblies.

SECTION 081210 - INTERIOR ALUMINUM FRAMES

A. Summary: Provide interior aluminum frames and aluminum framed glazed doors. Refer to Drawings and Door Schedule.

- B. Submittals: Submit product data, shop drawings.
- C. Products:
 - 1. Doors and Frames: Clear anodized aluminum, Class 1 (7 mils, anodic) UON in
 - finish schedule.
- 2. Accessories: Glazing gaskets.
- D. Installation:
 - 1. Anchor securely in place; install plumb, level and in true alignment. 2. Coordinate with glazing work and hardware requirements.

SECTION 081400 - FLUSH WOOD DOORS

- A. Summary:
 - 1. Interior solid core flush doors.
 - 2. Interior hollow core flush doors.
 - 3. Remodel existing flush wood doors as noted on drawings. 4. Refinish existing flush wood doors as noted on drawings.

work that exhibits defects in materials or workmanship for the life of installation.

- B. Submittals: Submit product data, samples, shop drawings, warranty. C. Warranty: Provide written warranty signed by manufacturer agreeing to repair or replace
- D. Products:
 - 1. Quality Standards: WDMA I.S.1-A "Architectural Wood flush Doors".
 - 2. Fire Rated Wood Doors: Meeting ASTM E 152 requirements. 3. Manufacturers: Marshfield Door Systems, Inc; Algoma Hardwoods, Inc.; Eggers
 - 4. Interior Solid Core Doors:

Industries; or VT Industries, Inc.

- a. Species: Refer to Finish Schedule. b. Grade: Premium.
- c. Construction: 5-ply. d. Core: Particleboard; 38 to 32 lb./cu.ft. Grade I-L-I particleboard conforming to ANSI A208.I, consisting of wood particles bonded together with synthetic
- e. Finish: Refer to Finish Schedule. 5. Glazed Openings: 1/4" thick tempered glass in vision panels and sidelights. Provide fire-rated glass at rated openings
- 6. Fitting and Finish: a. Fitting: Factory-prefit and premachine doors. Contractor shall verify carpet or other flooring thickness and doors shall be undercut for proper clearance as
- b. Transparent Factory Finish: Transparent factory finish, catalyzed lacquer. 7. Auxiliary Materials: Wood glazing frames, transoms, fixed side panels.

- E. Installation:
 - 1. Comply with WDMA IS-1 Standards.
 - 2. Prefit doors to frames, premachine doors for hardware, and factory bevel.
 - 3. Install with not more than 1/8 inch clearance at top and sides, 1/4 inch at bottom unless undercut is required.
 - 4. Comply with NFPA 80 for rated assemblies.

SECTION 083310 - ACCESS DOORS

- A. Summary: Provide access doors for walls and ceilings
- B. Submittals: Submit product data.
- C. Products: As selected by Architect complying with the following:
 - 1. Frames: 16 gage sheet steel, with flange suitable for adjacent material. 2. Frames at Toilet Rooms: 16 gage stainless steel. AISI No. 4 satin finish with flange suitable for adjacent material.
 - 3. Door Type: Flush.
 - 4. Locking Devices: Cylinder locks.
 - 5. Fire Rating: NFPA 80.
- D. Installation: Install with gypsum drywall work.

SECTION 087100 - DOOR HARDWARE

- A. Summary:
 - Provide hardware for swinging doors.
 - 2. Comply with code and accessibility requirements.

6. Finish for Sheet Steel Access Doors: Factory primed.

- 3. Door hardware shall be new as noted in Door Schedule. Locks are to be keyby General Contractor and in accordance with keying standards. Refer to door schedule and below for specified items required.
- B. Submittals: Submit product data, samples, proposed hardware schedule, maintenance
- C. Products: Match existing and comply with building standards. Provide manufacturers items as specified. No substitutions will be accepted. 1. Product Requirements:
 - a. Hardware for Fire-Rated Openings: NFPA 80, and local requirements. b. Handicapped Accessibility: ANSI A117.1, ADAAG, and local requirements.
 - c. Materials and Application: ANSI A156 series standards. d. Quality Level: Commercial. 2. Locksets and Latchsets: Mortise type. Verify and coordinate lock function with
 - Building Owner. 3. Lock Cylinders: Interchangeable type.
 - 4. Keying: Landlord's and Tenant's requirements; match existing keying and key
 - 5. Hinges and Butts: Full-mortise type with nonremovable pins at exterior, entrance and security doors.
 - 6. Closers: Barrier-free type. 7. Hardware Finishes: Match existing and comply with building standards.
 - 8. Stops for each door.
 - 9. Floor Stops provide carpet risers at carpet locations. 10. Silencers.
 - 11. Soundstripping.
 - 12. Coordinate security system hardware installation with security vendor, including
 - 13. Exit devices: doors shall be operable from the inside without use of a key. special knowledge, or effort.
 - 14. Public Area Doors (new or existing): ADA approved Lever action hardware set mounted 36" to 42" AFF.

15. Hardware Sets/Schedule: Refer to drawings for Hardware Sets and Schedule.

- D. Installation 1. Comply with DHI "Recommended Locations for Builder's Hardware" and
 - hardware manufacturers instructions. 2. Refer to the Door Schedule for hardware sets.

3. The maximum effort required to operate interior exit doors and fire doors is 15

SECTION 088000 - GLAZING

- A. Summary: Provide glass and glazing for units not factory glazed.

B. Submittals: Submit product data, samples, shop drawings, warranty, maintenance data.

- C. Products: As selected by Architect complying with the following:
 - 1. Glass. a. Primary Glass Products: Clear float, tinted float, patterned, and wire glass,
 - b. Heat-Treated Glass Products: Heat-strengthened, tempered, coated, and
- spandrel glass, ASTM C 1048. c. Laminated Glass Units: Polyvinyl butyral interlayer.

d. Mirrors: Silvering and protective coatings.

- 2. Glazing: Preformed glazing tape glazing. 3. Setting blocks, spacers, and compressible filler rods.
- D. Installation: 1. Comply with GANA's Glazing Manual and manufacturer's recommendations.

2. Set mirrors on stainless steel channels and adhere to wall with mastic.

DIVISION 09 - FINISHES, GENERAL

- A. Summary: 1. Refer to General Conditions, Specifications and Schedules for additional
 - 2. Confirm with Architect that these drawings are the most current issue before
 - beginning layout and construction. 3. Exceptions to specifications are noted in Legends or Drawings. 4. Refer to Drawings for exact locations, stops, starts and patterns of materials.
 - 5. The descriptions of finishes contain the following information: abbreviations, material, manufacturer, models, style and color. 6. Finishes Schedule – Refer to the drawings for Finish Schedule for all areas.

SECTION 092110 - GYPSUM BOARD ASSEMBLIES

- A. Summary:
 - 1. Interior walls, partitions, and ceilings for tape and joint compound finish. 2. Interior partition steel framing, steel framed and furred enclosures and columns and
 - 3. Steel suspension systems for ceilings and soffits. 4. Moisture-resistant gypsum board.

6. Cementitious backer boards for application of tile.

7. Remodeling gypsum drywall systems at areas of new construction.

8. Gypsum board finishes. 9. Sound attenuation insulation.

5. Microbial-resistant gypsum board.

- Concealed acoustical sealants. 11. Installation of access panels.
- B. Submittals: Submit product data, 4 foot by 4 foot mockup showing joint treatment.

- 1. Gypsum Board: Provide gypsum board with recycled content.
- a. Gypsum Wallboard: ASTM C 36, regular, foil-backed, and fire rated
- types: 5/8 inch typical thickness.
- b. Joint Treatment: ASTM C 475 and ASTM C 840, 3-coat system.
- c. Installation Standard: ASTM C 840.
- 2. Glass-Mat Water-Resistant Gypsum Backing Board: Type: ASTM C 1178,
- Type X, 5/8 inch thick.
- 3. Cementitious Backer Units:
- a. Type: ANSI A 118.9, cement-coated Portland cement panels.
- b. Thickness: 5/8 inch nominal. 4. Trim Accessories:
- a. Material: Metal. b. Types: Cornerbead, edge trim, and control joints.

5. Steel Framing for Walls and Partitions:

- c. Decorative Profiles: Aluminum reveals and channels.
- a. Provide steel framing with recycled content. b. Steel Studs and Runners: ASTM C 645:
- c. Refer to Partition types of guages and depths of metal studs. d. Furring Channels: ASTM C 645:
- e. 25 gage (.0179 inch). f. Auxiliary Framing Components: Furring brackets, resilient furring
- channels, Z-furring members, and non-corrosive fasteners. g. Installation Standard: ASTM C 754. 6. Steel Framing for Suspended and Furred Ceilings:
- a. Furring Channels: ASTM C 645: 25 gage (0.0179 inch), resilient channels.
- b. Steel Studs: Match steel studs used for walls. c. Accessories: Hangers and inserts.
- d. Installation Standard: ASTM C 754.

D. Installation:

7. Auxiliary Materials: a. Gypsum board screws, ASTM C 1002.

dimensions, partition assemblies and ratings.

provide smooth transition.

full height partitions.

- b. Concealed acoustical sealant. c. Mineral fiber sound attenuation blankets by CertainTeed or equal. 8. Partition Types and Details – refer to the drawings for partition types, stud
- 1. The General Contractor shall schedule and notify the Architect upon installation of partition runners, and prior to commencement of any stud and drywall work, for field verification and approval of the partition layout.
- 2. Comply with standards referenced above and ASTM C 840 and GA 216. 3. Install joints only over framing members.

4. Provide blocking for items such as railings, grab bars, casework, toilet

- accessories, and similar items. 5. Provide acoustical sealant at runner tracks, wall perimeters, openings, expansion, and control joints
- 6. Install gypsum board assemblies true, plumb, level and in proper relation to adjacent surfaces. 7. Where new partitions meet existing construction, remove existing cornerbeads
- 8. Provide 3-coat joint treatment such that, after finishing, joints are not visible. a. Sand and leave ready for finish painting and wall treatment. 9. Gypsum board partitions shall be constructed of zinc-coated steel "C" studs 16" O.C. in depths as indicated on the drawings, and shall extend to the heights indicated. Secure studs to compatible runner tracks properly fastened to the floor and faced each side with one layer of gypsum drywall in thicknesses indicated, screwed to each stud 12" O.C. Where drywall partitions extend to the underside of the finished ceiling, the top edge is to be finished with metal "J" bead. Provide 3-1/2" thick sound attenuation blanket, as shown on the Drawings. Additional
- dimensioned electrical outlets and as required by height conditions. Power fastening of runner tracks is to be performed during non-business hours - verify with Landlord. 10. Where new or existing ductwork passes through or over drywall partitions, the metal studs are to be framed around the ductwork. In no instance are metal studs

metal stud framing is to be provided where necessary for attachment of

- or drywall to be fastened to the ductwork. Fire dampers are to be installed in areas where duct work passes through rated walls. 11. Provide beadex at drywall ends and full height partitions. Provide slip joints at
- 12. Outside corners are to be provided with metal corner beads and the entire
- partition assembly is to be taped, spackled and sanded to provide a smooth and even surface to receive paint or other finish as specified. 13. Tapered drywall edge shall not be installed against door.
- 15. Wood blocking shall be fire-retardant treated 16. Where corridor and demising partitions are called for, the drywall is to be made tight to the underside of the floor above with voids in the metal deck and

around pipe, cable, duct, beam and joist penetrations sealed with fire-safing

14. At areas to receive shelving and/or counters or other wall-mounted items,

provide fire-rated wood back-up, screw fastened to the metal studs at appropriate

17. Where openings are encountered above ceilings in existing partitions other than for return air flow, they are to be patched and sealed as required in a similar 18. Except where expansion joints are noted, where new drywall abuts existing wall corners, the existing metal corner bead is to be removed. The new wallboard is to be taped over and brought flush with the adjacent existing surface.

19. Existing partitions stripped of old base and adhesive shall be patched and/or

preparation shall be performed even if the new base is to be installed under a

repaired to provide a smooth and uniform surface for new base installation. Such

20. Existing partitions shall be completely repaired and patched as required to receive new finish or touch-up as scheduled. Such preparation shall be performed throughout, even if the new finish is to be installed under a separate contract. 21. Wherever partitions abut mullions at the exterior window wall, the partition closure detail, unless otherwise detailed, shall match existing building standard

SECTION 093000 - TILING

A. Summary:

1. Wall tile over tile backer board at wet areas, as indicated.

and all joints shall be acoustically sealed.

2. Refer to finish schedule for tile selections.

C. Products: As selected by Architect complying with the following: 1. Tile Materials: ANSI A 118 series standard specifications.

B. Submittals: Submit product data, samples, 4 foot by 4 foot mockup.

3. Tile Accessories: Matching trim units. Marble thresholds. 4. Setting Materials:

a. Walls: Organic adhesive, ANSI A136.1, Type 1.

5. Grout: Latex-Portland cement grout, ANSI A118.6. 6. Elastomeric Sealants: One-part mildew-resistant silicone sealant. **Dyer Brown Architects**

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REVISIONS

BANK OF AMERICA - 9TH & 10TH FLOORS

Portland, ME

SPECIFICATIONS

TITLE

DATE

May II, 2015

BANK OF AMERICA

I MONUMENT SQUARE

DRAWING NO.

JOB NO.

15051.00

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