

Specifications Cont.

Revolving Entrance Doors - 08470

Provide Crane "Series 2000" Revolving Door. Model: AL2000 or equal; Full mfg. specifications found on website: www.cranedoor.com with selected specific items listed below:

1. 4 door wing - manual revolving door assembly
2. Plan showing outside diameter; as indicated on the Drawings.
3. Section showing door, canopy and fascia height; as indicated on the Drawings.
4. Frame and canopy ceiling material to be Extruded Aluminum with painted finish
5. Exterior painted aluminum finish surface "color" to match existing building "green" (as on existing windows and doors); provide samples for comparison at site and approval by Architect before fabrication begins.
6. Interior painted ceiling finish surface "color" to be white.
7. Ceiling lights as indicated in the Drawings - inside "color"- to be white.
8. Aluminum and Glass Curved Enclosed Walls:
 - a. 7/16" Clear laminated glass
 - b. Aluminum panels finish to match doors
9. Glass and glazing to comply with applicable codes
10. Clear tempered glass in wide style door
11. Horizontal Push bars 1/2" x 1 1/2" bar same material and finish as the door wing.
12. Welded Floor Grate by Crane, material to be stainless steel area as indicated on the drawings. Provide drain pan and ability to remove grate for cleaning. See Alternate - 01030 for substitution.
13. 3 year warranty for defective materials and workmanship starting from date of substantial completion.
14. 5 year warranty for speed controls
15. Manual mechanical speed regulator adjustable to limit speed. To be field adjusted to comply with ANSI 156.27
16. Security: Configure door hardware to controlled entrance and exit. Security doors to be provided with Bookfold Lock Mechanism.
17. Manufacturer specified in this section to have a minimum ten years documented experience.
18. Installers to have a minimum of three years documented experience and approved by the manufacturer.
19. Do not install products under environmental conditions outside manufacturer's absolute limits.

Design / performance requirements:

System Assembly: Design system to accommodate movement within system, movement between system and perimeter framing components, dynamic loading and release of loads, and deflection of structural support framing, without damage to system or components, or deterioration of perimeter seal.

System Internal Drainage: Drain water entering joints, condensation occurring in glazing channels, or migrating moisture occurring within system, to exterior.

Expansion / Contraction: System to provide for expansion and contraction within system components caused by cycling surface temperature range of 170 degrees F (77 degrees C) without causing detrimental effects to system or components.

Deflection: Limit mullion deflection to 1/175 or flexure limit of glass with full recovery of glazing materials, whichever is less.

Not Permitted: Wind whistles, thermal movement transmitted to other building elements, and loosening, weakening, or fracturing of attachments or components of system.

Products Requiring Electrical Connection: Listed and classified by UL or testing firm acceptable to authority having jurisdiction.

Submittals:

Provide Product Data: Manufacturer's data sheets on each product to be used, including:

1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation Instructions.

Provide Shop Drawings: Indicate system dimensions, elevations, conditions and details of adjacent construction, component locations, and setting requirements of brackets and attachments requiring placement on or in other Work.

Provide three color samples of material used for door trim and canopy. Color to match existing building window/door "Green".

Manufacturer's Certificates: Certify products meet or exceed specified requirements.

Glass and Glazing - 08800

1. Provide materials and labor as needed for a complete installation of the glass entrances and as required by federal glazing standards and local codes. Coordinate correct glass size by verifying dimensions in the field for each opening. Submit shop drawings showing configurations, with written manufacturers' guarantee of strength, thickness and product type relative to its appropriateness for the design shown.
2. Glazing installer shall meet or exceed the combined recommendations of the manufacturers concerning glass, sealant, metal, and other materials associated with this work.
3. Glass specified shall be manufactured by Pittsburgh Plate Glass Co., Virginia Glass Products, or Libbey-Owens-Ford Glass Company.
4. Materials shall be free from defects impairing strength, durability, and appearance, and shall be shipped in unbroken containers clearly marked with the name and type of product. Glass shall be free from bubbles, pockets, chips, and other defects. Inspect each piece of glass immediately prior to installation and eliminate those that have observable edge damage or face imperfections.
5. Insulated glass to be Guardian 1". Clear-clear or equal.

Gypsum Drywall - 09250

1. Securely fasten stud walls and partitions as required by the Commonwealth of Massachusetts Building Codes, applicable national codes and in accordance with manufacturer's recommendations.
2. Exterior stud walls, exterior ceiling board, partition stud sizes and gypsum wallboard thicknesses are as shown on the drawings. Install framing vertically; note where partitions extend to underside of deck above. At interior partitions and exterior walls secure metal track to underside of metal deck above with metal studs, kickers or corner bracing. Do not allow joints that do not fall over framing members. Studs shall be minimum 20 gauge galvanized steel. Position studs 16" on center minimum. Where batts and blankets are indicated in drawings, completely fill stud cavity.
3. Provide interior and exterior synthetic gypsum board as indicated on the Drawings fabricated from gypsum reclaimed from manufacturing processes and recycled paper facings as manufactured by:
 - a. Georgia-Pacific Gypsum Corp.
 - b. National Gypsum Co. (Gold Bond Gypsum Wallboard),
 - c. U.S. Gypsum Co. (Sheetrock Brand Gypsum).
4. Install exterior and interior gypsum ceiling board flush with brick sidewalls to eliminate air travel between interior or exterior and soffit areas above. Run gypsum wallboard completely to deck. Finish with taping along slab and deck prior to installation of ceiling material. After finishing, joints should not be visible.
5. Gypsum board partitions, soffits, cores, walls and ceilings shall be spackled, sanded, and properly prepared to provide a perfectly smooth finish. Existing unevenness in surfaces shall be sanded or chipped away and plaster patched or spackled to ensure a smooth, even surface.
7. Provide sufficient framing for wall openings for ductwork, return air openings, and grille openings above and below hung ceiling. Coordinate framing of light fixtures and HVAC work. Seal all openings for soundproofing and vibration.
8. Provide fire retardant wood blocking as required for attachment of items to walls and for proper support. Provide additional fire retardant wood blocking where noted on drawings.

Carpet - 09680

1. Install Johnsonite EG-XX-H Edge Guard carpet Trim for 1/4" glued-down carpet where it meets new granite pavers. Use direct glue down method in accordance with manufacturer's recommendations.
2. Secure carpet continuously under open bottom items; install tight against columns, walls, thresholds and reducer strips. Seal and firmly anchor all edges to the subfloor.
3. Coordinate with other trades for installation of floor coverings of varying thicknesses to provide a smooth transition for pedestrian traffic. Carpet shall protrude 1/8" above adjacent hard floor covering; utilize latex type leveling material along subfloor as required to achieve smooth transition. Perform carpet installation in conformance with the Commonwealth of Massachusetts regulations. Construction Manager shall restrict traffic and movement of furniture and materials 24 hours after carpet has been re-installed.
4. After installation, vacuum dirt and grit out of carpet completely. Clean carpet of spots with spot remover as recommended by the manufacturer. Replace or repair damaged carpet. Wait a minimum of 48 hours before installing furniture or moving equipment over carpet.

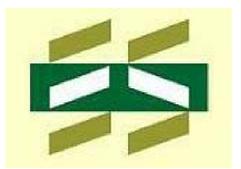
Painting - 09900

1. Paint shall be as manufactured by Benjamin Moore, Company or as equal specifications submitted for Architect's approval by the painting subcontractor prior to purchase. Provide a 4" by 6" sample of gypsum wallboard for each color for approval by the Architect prior to mixing or full purchase of product.
2. Paint products shall be as follows: gypsum wallboard surfaces to have latex primer, two coats of acrylic latex in eggshell finish; wood for opaque finish to be Alkyd enamel undercoat, with two coats of alkyd enamel; and ferrous metal shall have Ironclad Retardo Rust Inhibitive Paint Primer, and two coats of Ironclad Retardo Rust Inhibitive Paint, in satin finish. All base or prime coats are to be of the same color as the final coat.
3. Stain for millwork wood trim is to be by Minwax Company or approved equal. Submit material for review and color selection prior to ordering. Provide samples of stain with varnish finish on 3" x 6" of substrate to match that of final fabrication, in the specified wood species, to match Architect's control sample. Wood for transparent finish to have oil stain, sanding sealer, and two coats of alkyd varnish.
4. Existing wood window sills shall be painted to match the face of partition below, unless otherwise noted.
5. Applicator must examine areas and conditions under which painting work is to be applied and notify the Construction Manager writing of conditions detrimental to proper and timely completion of work. Do not proceed with work until unsatisfactory conditions are corrected in a manner acceptable to the Architect and Applicator.
6. Protect adjacent work by other trades from damage, overspray or splattering during paint application. Repair or replace with new materials to match existing damaged work of other trades at no additional cost to the Owner. Remove paint from where it has spilled, splashed, or splattered on finish surfaces, including glazing, light fixtures and diffusers. Remove electrical switch plates, outlet plates and surface hardware before painting, protecting and replacing same when painting has been completed.
7. Paints and rags shall be stored in a fire-proof metal cabinet when not in use.

Signage 01000

1. Provide bronze plaque similar to 'existing building plaque' to withstand exterior weather.
2. Size and design as indicated on the Drawings.
3. Trim, text and brail to be raised die-cut with contrasting colors as indicated on the Drawings.
4. Manufacturers: National Signage Affiliates, Mohawk, A.R.K. Ramos or equal.

- End of Architectural Specification -



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No.	Description	Date

Town of Acton Memorial Library

486 Main Street
Acton, MA 01720

Specifications Continued

Project Number	13.1509.01
Date	1/24/2014
Drawn By	Author
Checked By	Checker

A1.2

Scale 12" = 1'-0"