Appendix A is to be used for Alternative Delivery Projects to capture warranty requirements for Basis of Design. Adjust requirements to be project specific.

**Appendix A – Warranty Requirements**

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| **Description** | | **Extended Warranty** |
| Finish Carpentry and Millwork | | 2 years |
| Quartz Surfacing Fabrications | | 10 years on materials |
| Modified Bituminous Sheet Waterproofing | | 15 years |
| Bentonite Waterproofing | | 5 years |
| Traffic Coating membranes and surface treatments | | 5 years on material and workmanship by installer, 20 years by manufacturer |
| Polymer Concrete Surfaces | |  |
| Water Repellants | | 10 years |
| Water and Air Barriers | | 3 years |
| Metal Wall Panels | | 5 years |
| Aluminum Composite Wall Panels | | 20 years on finish |
| Thermoplastic Membrane Roofing | | 2 years by installer, 15 years by manufacturer |
| Sheet Metal, Flashing and Trim | | 2 years on material and workmanship |
| Joint Sealers | | 3 years |
| Expansion Control systems |  | 5 years |
| Expansion Joints and Thresholds |  | 5 years labor and materials |
| Overhead Coiling Doors | | 4 years |
| Insulated Overhead Coiling Doors | | 2 years |
| Overhead Coiling Fire Doors | | 4 years |
| Deployable Draft Curtains | | 10 years |
| Aluminum-Framed Entrances and Storefronts | | 2 years |
| Aluminum Curtain Walls | | 2 years |
| Interior Glass Canopy | | 5 years on installation, 10 years on laminated glass |
| Hardware | | Locks and locksets for lifetime of building, Door Closers for lifetime of building, Panic devices for 5 years |
| Insulated Glass Units (IGU) | | 10 years |
| Ceramic Tiling | | 2 years |
| Resilient Flooring | | 5 years |
| Plastic Matrix Terrazzo | | 4 years |
| Tile Carpeting | | Lifetime |
| Digital Image Wall Coverings | | 5 years |
| Specialty Signage | | 5 years |
| Field Applied Coatings | | Exterior 10 years |
| Pedestrian Control Device (retractable barriers) | |  |
| Bollard System and Components | | 5 years material and workmanship |
| Bird Control Devices | | 2 years on installation, 5 years on materials |
| Electric Traction Freight Elevators | | batteries 10 years |
| Electric Traction Passenger Elevators | | batteries 10 years |
| Escalators | |  |
| Direct Digital Controls | | meters and sensors 2 years |
| Polypropylene Heating and Cooling Piping | | 10 years |
| Unit and Cabinet Heaters | | 5 years |
| Preconditioned Air Units and Specialties (PCAir) | | Telescoping Air Ducts 10 years |
| Medium Voltage Cables | | 40 years manufacturer service life |
| Lighting Controls | | 5 years |
| Secondary Unit Substations | | Gel cell batteries 10 years |
| Electrical Power Metering | | 2 years on instruments and software |
| Electric Vehicle Charging Systems | | 2 years |
| Engine Generators (Emergency & Standby) | | 5 years |
| Aircraft Power Delivery (400 Hz generators) | | 5 years |
| Transient Voltage Suppression | | 5 years |
| Interior Lighting (all LED and drivers/power supply, luminaires and batteries) | | 5 years with no less than 90% output. 10 years on batteries (prorated last 9 years). |
| Exterior Lighting | | 3 years |
| Exterior Lighting (all LED and drivers/power supply, luminaires, pole finishes) | | 5 years and no less than 90% output for LED |
| General Communications Requirements | | 25 years fiber optics |
| Backbone Cabling Requirements (entire system) | | 25 years system as a whole |
| Horizontal Cabling | | 25 years system as a whole |
| Data Communications Network Equipment | | 2 years |
| Uninterruptible Power Supplies | | 5 years |
| Video Display | | 5 years on mounts, 3 years on displays |
| Terminal Wide Voice Paging System | | 6 years |
| Sound Reinforcement | | 3 years |
| Access Control | | 3 years |
| Video Surveillance Remote Devices and Sensors | | 3 years by manufacturer |
| Aircraft Passenger Loading Bridge (PLB) | | 5 years |
| Baggage Conveyor | | 3 years |
| Material Processing and Handling Equipment | | 2 years |