14 CONVEYING SYSTEMS - V14000

14.1 GENERAL

14.1.1 Description

This standard identifies minimum requirements that shall be met for all conveying systems in the design and construction of elements for Arlington County Building Design Standards.

14.1.2 Related Arlington County Standards, Specification and Policies

14.1.2.1 Reserved

14.1.3 Applicable Standards and Specifications

including, but not limited to, those listed in Table 14.1.3

Table 14.1.3
Applicable Standards and Specifications

American Society for Testing and Materials (ASTM)
American Society of Mechanical Engineers (ASME) – Handbook on Safety Code for Elevators and Escalators (ASME A17.1/CSA B44-2013)
American with Disabilities Accessibility Guidelines for Public Rights-of-Way (PROWAG)
ICC International Building Code/2012
National Elevator Industry (NEII) – Building Transportation Standards and Guidelines (NEII®-1)
US Green Building Council's Leadership in Energy and Environmental Design (LEED) green building rating system
Washington Metropolitan Area Transit Authority (WMATA)

14.1.4 Quality Assurance

14.1.4.1 Reserved

14.1.5 Submittals

14.1.5.1 The Registered Design Professional shall identify, in the specification sections, manufacturer's products, descriptions, energy efficiency, performance criteria, materials, components, fabrication, source quality control, finish, and accessory materials pertaining to all Conveying Systems work and construction.

14.2 DESIGN

14.2.1.1 The County shall determine on a case by case basis if a designated "Freight Elevator" with direct and convenient access to a loading dock or freight entrance will be required. The exact requirements for elevators will be determined during the design phase.

14.2.1.2 Full maintenance service and inspections shall be provided, by the installer on all elevators and any other conveying systems, during the one year warranty period and for an additional year beyond the one-year warranty period.

14.2.1.3 A sump pump pit shall be provided within the elevator shaft (elevator pit). The installation shall include the sump pump, all associated piping, oil separator and all other items associated to comply with existing codes.

14.2.1.4 Shunt trip disconnect shall be installed on the wall adjacent to the elevator machine room. An appropriate lock out mechanism shall be provided to comply with existing codes. Location of the remote shunt trip disconnect shall be indicated in the elevator machine room.

14.2.1.5 Protective cages for light fixtures shall be provided in elevator machine rooms.

14.2.1.6 The emergency elevator ADA compliant phone shall be provided, installed, wired and tested by the elevator Contractor.

14.2.1.7 Elevator Battery Backup
The elevator in the event of a power failure for facilities without a source of backup power (standby Generator) will be equipped with a battery backup system. Upon activation of backup, the elevator is recalled to the exit floor, when the doors open the elevator shall shut off.

14.3 PRODUCTS

14.3.1 Reserved