SECTION 14 20 00 Elevators

(14 21 00) Electric Traction Elevators
(14 21 13) Electric Traction Freight
(14 24 00) Hydraulic Elevators
(14 24 13) Hydraulic Freight Elevators

PART 1 – GENERAL  All elevators shall be non proprietary, ADA compliant and have a one year maintenance warrantee after testing and final acceptance

PART 2 – PRODUCTS
Passenger and freight elevators shall have the following non-proprietary equipment:

Drive: VVVF or SCR
Controller: CEC, MCE, GAL
Machine: Geared (Hollister Whitney preferred)
Load: 3,500 lb.
Speed: 500 fpm.
Entrances: Stainless steel
Hall/Car doors: Stainless steel
Door opening: Two-speed side opening 48” wide by 7’ high
Door operator: GAL, MAC, ECI
Door safety: Janus Pan-194 (Americana for garages)
Roller guides: 10”
Rope brake (traction): Bode or Hollister Whitney
Hydraulic brake: Adams model Lifejacket
Sills: Nickel silver
Counter weights: compensating chains (whisper flex with restrictors)
Earth quake protection: Ring & String
Overloaded car: Load weighing transducers
ADA phone: Rath Microtech Model 2100-937RA
Key Switches: Adams AS-468K05
Fixtures: Adams Survivor Plus Series
Signal fixtures: EPCO Survivor Plus
Car finish: Laminate w/bottom kick rails
Door gib: Parts Specialist #2213R1
Door protection device: Adams Gatekeeper 2000
Fan: Morrison two speed model OE or equal
Lighting: T8 Fluorescent with electronic ballast
Floors: Owners choice
Handrail: 2” Stainless steel tubing turned back
Lower bumper rail: Back & side walls 6”X3/8 stainless 6”OFF
Special testing equipment: Diagnostic Testing tool (if proprietary)
Spare parts: One each of electronic boards (adjusted)
Owner manuals: For all components
Shunt Trip: Bussman Power Module
TVSS: Innovative Technology Inc.
Car interior wall protection: Palmer pads with Adapt-A –Clamp and stainless steel pad hooks per car
Card access device: PASS security systems St Louis
Signal Fixtures
- Fire Service Phase I and Phase II Key Switches
- Voice Annunciation on public elevators
- Car Operating Panel(s): Provide auxiliary panel on elevators with two returns or front and reverse openings. Engrave elevator #, capacity, telephone instructions and fire service instructions. Allow provisions for card reader on one car operating panel in each elevator at ADA height
- Hall Stations shall be flush mount, #4 stainless steel faceplate, engraved “do not use stairs language and graphics” per Appendix O of the elevator code.
- Hall lanterns with electronic chime at all floors
- Hall position Indicator with digital display combined with hall lantern at first floor only
- Car position indicator in each header above car door
- Fire control panel shall have conduit from hoistway to fire control panel by electrical contractor, wiring and device by elevator contractor
- Voice alarm speaker shall provided by others and installed by elevator contractor
- Fireman’s Telephone Jack shall be in each elevator and on fire control panel

Control Features
- Independent Service
- Emergency power sequencing
- Seismic operation
- Card access reader will interface with elevator controls and have an independent off / on switch the will not interfere with the normal operation of the elevator when in the off position

PART 3 – EXECUTION

END OF SECTION