

EXHIBIT 14 21 00-01 HYDRAULIC ELEVATOR MODERNIZATION CHECKLIST

[Note to AE: This checklist is a design tool to help determine the scope of elevator replacement or upgrade.]

Elevator-Related Component to Evaluate Prior to Developing Project Specifications	Re-Use	Replace	Comments
Items Inside Car			
Car Fixtures -Car Station - Pos Indicator - Direction Indicators & Tones			
Keying (Fire Service & Other)			
Entire Cab - Evaluate Options			
Car Sill - (Appropriate for Loading)			
Car Doors			
Finished Flooring			
Sub-Flooring - Existing?			
Flooring For C3			
Handrails			
Drop Ceiling			
Cab Height			
Lighting (Code)			
Emergency Battery Lighting			
Cab Dimensions vs. Capacity			
Emergency Phone			
Door Operator			
Fan			
Door Re-Opening Device			
Door Restrictors			
Car Components			
Sling / Bolster Channels – Sizing			
Roller Guides			
Platform			
Platen Plate			
Door Clutch And Related Equipment			
Inspection Station			
Car Top Lighting			
Car Top Railing (As Required)			
Cross Head Data Tag			
Car Balance Frame			
Escape Hatch & Contact			
Traveling Cable			
Machine Room			
Pumping Unit			
Oil Line			
Clearances And Dimensions			
1000 Lb Psi Ball Valve			
Voltage			
Emergency Power?			
Controller			
Selector			

Elevator-Related Component to Evaluate Prior to Developing Project Specifications	Re-Use	Replace	Comments
Pit			
Buffers			
Pit Channels			
Hydraulic Jack			
Cylinder & Stop Ring & Condition			
Oil Line			
Pit Ladder			
Depth & Run-By			
Oil Line			
1000 lb psi Ball Valve			
Hoistway			
Rails-Joints-Bracket Spacing-Alignment – Etc.			
Hoisting Beam			
Hoistway Switches			
Existing Electrical Raceways			
Overhead Height			
Interlocks And Wiring			
Door Frames & Slushed?			
Door Tracks			
Doors			
Hall Sills & Support			
Facia			
Hall Fixtures - PI - Direction Arrows			