

DIVISION 14 Conveying Equipment

<u>Section No.</u>	<u>Title</u>	<u>Comments</u>
14 20 00	ELEVATORS	<ol style="list-style-type: none"> 1. Types: Preference of college to use jackless hydraulic elevators whenever possible. 2. Manufactueres: <ol style="list-style-type: none"> a. Kone b. Otis c. Thyssen-Krupp d. Fujitec e. Mitsubishi 3. Controllers: Non-proprietary elevator controls only allowed. Do not allow elevator manufacturers to use their own controllers if they are considered proprietary. Controllers shall be accessible for service without use of proprietary code, device or electronic key. This applies to routine service and all programming functions that can be done by any maintenance personnel in the field under applicable ASME codes. Specify products by Elevator Controls and Motion Control Engineering (MCE), G.A.L. Manufacturing, JRT, Inc. controls, or an equal if approved by the college engineer prior to publication of specifications. 4. Speed: Preference is 150 fpm 5. Cab Height: 9-feet, typical 6. Car Operating Panel: Shall include vandal resistant buttons, digital position indicator / lantern combination, lockable panel with window for permit, recessed telephone and intercom, vandal resistant fasteners. 7. Hall Station: <ol style="list-style-type: none"> a. LED digital floor position indicator lantern, typical 8. Door Operators: By G.A.L. Manufacturing

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		<p>9. Renovation of Elevator Machine: Include new gaskets (no split style shaft seals) for machines and reassembly with new gear oil.</p> <p>10. Edge Control: a. Pana 40 b. Traction elevator cable terminations shall be shackled, with ends secured.</p> <p>11. Car Finishes: a. Utility elevators: Use durable, vandal resistant elements for cars that have been "tagged" or otherwise abused as with impact damage from pallet jacks and cargo loading. Design elements may include vandal resistant lighting, no decorative ceiling but a painted and repaired cartop, rubber tiled floor, stainless steel or aluminum diamond plate interior panels, and low level bumpers to limit cargo damage. b. Passenger elevators: i. Wall finish: Raised laminate faced panels selected from manufacturer's standard laminates. ii. Handrails: ½" x 2" flat rail of satin finished stainless steel on three walls. iii. Ceiling: Drop ceiling stainless steel or mirror finished with LED lights iv. Door: Interior shall be of satin / polished stainless steel finish. Exterior / corridor or lobby side: Painted door and frame with color selected from manufacturer's standard colors. v. Flooring: Finish shall match that of the adjoining first floor lobby. vi. Threshold: Nickle finish.</p> <p>12. Hoistway: Size of the hoistway should be calculated to be large enough to work with multiple elevator vendors.</p> <p>13. Keying: a. FEO –K1 for fire recall service b. EPCO 27 for hatch access control c. EPCO 1 for attendant service, out-of-service, fan and lighting controls, and other common owner controlled items.</p>
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		<ul style="list-style-type: none"> d. Switches accessible only through a locked access door (EPCO 1) shall not be keyed unless required by code. <p>14. Optional / Accessories:</p> <ul style="list-style-type: none"> a. Use of energy recovery system / regeneration unit or drives preferred b. Fit car walls with wall studs for hanging protective blankets / pads. Fully supply each car with moving blankets / pads made of 100% cotton with canvas facing. Blankets / pads shall be fitted with metal grommets that align with wall stud locations.
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NOTES:

The specification shall call for installation of the elevator(s) to be completed, inspected and approved by L&I for the owner’s use at least 24-hours before the date of Substantial Completion. Substantial Completion will not be achieved if this is not accomplished. If this is not achieved by the noted Substantial Completion date the General Contractor will be responsible for all fees associated with the operation of the elevator until L&I approval for general use is granted.