SECTION 14 20 00

ELEVATORS AND DUMBWAITERS

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\*\* NOTE TO SPECIFIER \*\* Nationwide Lifts; residential/commercial elevators and lifts.
This section is based on the products of Nationwide Lifts, which is located at:6181 Thompson Rd.Syracuse, NY 13206Toll Free Tel: 888-323-8755Email: [request info (info@nwlifts.com)](https://arcat.com/rfi?action=email&company=Nationwide%252BLifts&message=RE%253A%2520Spec%2520Question%2520(14202nwl)%253A%2520&coid=49670&spec=14202nwl&rep=&fax=)
Web: <https://www.elevators.com>
 [ [Click Here](https://arcat.com/company/nationwide-lifts-49670) ] for additional information.
Nationwide Lifts has the most complete and innovative product line in the industry. We strive to develop new products and partnerships, giving homes and businesses exactly what they need. With our network of offices and affiliates, Nationwide Lifts is capable of fulfilling your elevator needs anywhere in North America!

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Residential Elevators.
			1. Glass home elevator
			2. Birdcage home elevator.
			3. Green home elevator.
			4. Hydraulic home elevator
			5. Elite home elevator.
		2. Commercial Elevators: Limited-use, limited access (LULA).
		3. Wheelchair lifts.
		4. Dumbwaiters:
			1. Residential.
			2. Commercial.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
		2. Section 06 10 00 - Rough Carpentry.
		3. Section 08 11 00 - Metal Doors and Frames.
		4. Section 09 21 16.33 - Gypsum Board Area Separation Wall Assemblies.
		5. Section 09 60 00 - Flooring.
		6. Section 28 44 00 - Refrigerant Detection and Alarm.
		7. Division 16 Sections for electrical service for elevators to and including disconnect and fused switches at machine room.
		8. Division 16 Sections for standby power source, transfer switch, and connection from auxiliary contacts in transfer switch to controller.
		9. Division 16 Section for voice and data communication cabling for telephone service to elevators.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. American Society of Mechanical Engineers (ASME) A17.1 - Safety Code for Elevators and Escalators.
		2. American Society of Mechanical Engineers (ASME) A18.1 - Safety Standard for Platform and Stairway Chair Lifts.
		3. CSA B44.1 - Safety Code for Elevators and Escalators.
		4. ANSI/NFPA 70 - National Electric Code.
		5. CAN/CSA C22.1 - Canadian Electrical Code.
		6. ICC/ANSI A117.1 - Accessible and Usable Buildings and Facilities.
		7. ANSI/NFPA 80 - Fire Doors and Windows.
		8. ANSI/UL 10B - Fire Tests of Door Assemblies.
		9. BADAAG - Americans with Disabilities Act Accessibility Guidelines.
		10. ISO 9001: 2000 - Quality Management Systems - Requirements.
		11. Model and Local Building Codes.
	1. REQUIREMENTS OF REGULATORY AGENCIES
		1. Supply equipment in compliance with applicable jurisdictional authorities.
		2. File permits and execute inspections as required by jurisdictional authorities.
	2. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Submit manufacturer/installer's product data, including:
			1. Descriptive brochures and product features.
			2. Power Information: Voltage, phase, and current electrical requirements.
		3. Shop Drawings: Submit manufacturer/installer's shop drawings, including plans, elevations, sections, and details, indicating location of equipment, loads, dimensions, and finish.
		4. Operation and Maintenance Manual: Submit manufacturer/installer's operation and maintenance manual; including operation, maintenance, adjustment, and cleaning instructions; and electrical wiring diagrams.
		5. Warranty: Submit documentation associated with manufacturer/installer's standard warranty.
	3. QUALITY ASSURANCE
		1. Installer must have minimum 2-year experience installing similar products.
		2. Installer must be licensed according to jurisdictional authority.
		3. Installer must have sufficient liability insurance.
		4. Installer must be acceptable to the manufacturer.
	4. DELIVERY, STORAGE, AND HANDLING
		1. Deliver and store products in manufacturer's unopened packaging until installation.
		2. Handle materials with proper equipment to avoid damage.
	5. PRE-INSTALLATION MEETINGS
		1. Convene pre-installation meeting before start of installation of elevators.
		2. Require attendance of parties directly affecting work of this section, including Contractor, Architect, and elevator manufacturer/installer.
		3. Review examination, installation, field quality control, adjusting, cleaning, protection, and coordination with other work.
	6. PROJECT CONDITIONS
		1. Hoistway complete and finished according to drawings.
		2. Temporary platforms at each landing with OSHA complian barricades.
		3. Coordinate availability of permanent power prior to installation start.
		4. Coordinate availability of secure, clean, dry storage area prior to delivery.
	7. WARRANTY
		1. Residential Elevators: Manufacturer/installer shall guarantee materials and workmanship of equipment installed under these specifications according to manufacturer's published warranty policy.
			1. Warranty for Mechanical Components: 10 year.
			2. Warranty for Electrical Components: 3 year.
			3. Warranty for Labor: 1 year.
		2. Commercial Elevators: Manufacturer/installer shall guarantee materials and workmanship of equipment installed under these specifications according to manufacturer's published warranty policy.
			1. Warranty for Mechanical Components: 3 year.
			2. Warranty for Electrical Components: 3 year.
			3. Warranty for Labor: 1 year.
		3. Wheelchair Lifts: Manufacturer/installer shall guarantee materials and workmanship of equipment installed under these specifications according to manufacturer's published warranty policy.
			1. Warranty for Mechanical Components: 3 year.
			2. Warranty for Electrical Components: 3 year.
			3. Warranty for Labor: 1 year.
		4. Dumbwaiters: Manufacturer/installer shall guarantee materials and workmanship of equipment installed under these specifications according to manufacturer's published warranty policy.
			1. Warranty for Mechanical Components: 3 year.
			2. Warranty for Electrical Components: 3 year.
			3. Warranty for Labor: 1 year.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Nationwide Lifts, which is located at:6181 Thompson Rd.Syracuse, NY 13206Toll Free Tel: 888-323-8755Email: [request info (info@nwlifts.com)](https://arcat.com/rfi?action=email&company=Nationwide%252BLifts&message=RE%253A%2520Spec%2520Question%2520(14202nwl)%253A%2520&coid=49670&spec=14202nwl&rep=&fax=);Web: <https://www.elevators.com>

\*\* NOTE TO SPECIFIER \*\* Substitutions are not allowed if specifying The Artisan Elevator or the Artisan Birdcage Elevator.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required. Substitutions are not allowed if this product is specified.

* 1. GLASS HOME ELEVATOR - ARTISAN ELEVATOR
		1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 5.3; Residential Elevators.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.
			4. Number of Levels: 4 stops.
			5. Number of Levels: 5 stops.
			6. Number of Levels: 6 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 50 ft (15240 mm).

* + - 1. Vertical Travel (inch/mm): \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* A 4 inch (102 mm) pit depth is recommended. Delete pit depth options not required.

* + - 1. Pit Depth: 0 inches; minimum.
			2. Pit Depth: 4 inches (102 mm)
			3. Pit Depth (inch/mm): \_\_\_\_\_\_.
			4. Pit Depth: As determined by the Architect.
			5. Pit Depth: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Overhead value is the ceiling height at upper landing.

* + - 1. Overhead: \_\_\_\_\_\_.
			2. Overhead: As determined by the Architect.
			3. Overhead: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Contact manufacturer for more information. Delete enclosure shape options not required.

* + - 1. Enclosure Shape: Rectangular.
			2. Enclosure Shape: Square.
			3. Enclosure Shape: \_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete cab height options not required.

* + - 1. Cab Height: 78 inches (1981 mm).
				1. Requires overhead of 96 inches (2438 mm) or greater.
			2. Cab Height: 84 inches (2134 mm).
				1. Requires overhead of 102 inches(2591 mm) or greater.
			3. Cab Height: 96 inches (2438 mm).
				1. Requires overhead of 114 inches (2896 mm) or greater.

\*\* NOTE TO SPECIFIER \*\* Delete cab size options not required.

* + - 1. Cab Size (WxD): 28 x 26 inches (711 x 660 mm).
				1. Enclosure Footprint (WxD): 36 x 36 inches (914 x 914 mm).
			2. Cab Size (WxD): 40 x 38 inches (1016 x 965 mm).
				1. Enclosure Footprint (WxD): 48 x 48 inches (1219 x 1219 mm).
			3. Cab Size (WxD): 28 x 36 inches (711 x 914 mm).
				1. Enclosure Footprint (WxD): 36 x 46 inches (914 x 1168 mm).
			4. Cab Size (WxD): 28 x 42 inches (711 x 1067 mm).
				1. Enclosure Footprint (WxD): 36 x 52 inches (914 x 1321 mm).
			5. Cab Size (WxD): 28 x 48 inches (711 x 1219 mm).
				1. Enclosure Footprint (WxD): 36 x 58 inches (914 x 1473 mm).
			6. Cab Size (WxD): 36 x 48 inches (914 x 1219 mm).
				1. Enclosure Footprint (WxD): 44 x 58 inches (1118 x 1473 mm).
			7. Cab Size (WxD): 36 x 54 inches (914 x 1372 mm).
				1. Enclosure Footprint (WxD): 44 x 64 inches (1118 x 1626 mm).
			8. Cab Size (WxD): 36 x 60 inches (914 x 1524 mm).
				1. Enclosure Footprint (WxD): 44 x 70 inches (1118 x 1778 mm).
			9. Cab Size (WxD): 40 x 48 inches (1016 x 1219 mm).
				1. Enclosure Footprint (WxD): 48 x 58 inches (1219 x 1473 mm).
			10. Cab Size (WxD): 40 x 54 inches (1016 x 1372 mm).
				1. Enclosure Footprint (WxD): 48 x 64 inches (914 x 1626 mm).
			11. Cab Size (WxD): 44 x 48 inches (1118 x 1219 mm).
				1. Enclosure Footprint (WxD): 52 x 58 inches (1321 x 1473 mm).
			12. Cab Size (WxD): 40 x 60 inches (1016 x 1524 mm).
				1. Enclosure Footprint (WxD): 48 x 70 inch (1219 x 1778 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			13. Cab Size (WxD): 44 x 54 inch (1118 x 1372 mm).
				1. Approx. Enclosure Footprint (WxD): 52 x 64 (1321 x 1626 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			14. Cab Size (WxD): 48 x 48 inch (1219 x 1219 mm)
				1. Approx. Enclosure Footprint (WxD): 56 x 58 inch (1422 x 1473 mm)
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			15. Cab Size (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).
				1. Enclosure Footprint (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).

\*\* NOTE TO SPECIFIER \*\* Delete cab configuration option not required.

* + - 1. Cab Configuration: Enter/exit same side.
			2. Cab Configuration: Enter/exit opposite sides

\*\* NOTE TO SPECIFIER \*\* Delete load capacity option not required.

* + - 1. Load Capacity: 950 lbs (430.9 kg).
			2. Load Capacity: 1000 lbs (453.6 kg).

\*\* NOTE TO SPECIFIER \*\* Not allowed in all regions.

* + - 1. Load Capacity: 1400 lbs (635 kg). Requires variance.
			2. Rated Speed: 40 ft per min (203 mm per sec).
			3. Power Supply: 230 V, 1 PH, 60 Hz, 30 A.
			4. Lighting Supply: 115 V, 60 Hz, 15 A.
			5. Communication: Functional phone line.
			6. Drive System: Winding drum with variable frequency drive.
			7. Machine Room: Not Required
			8. Controller (WxHxD): 24 x 24 x 8 inch (610 x 610 x 203 mm). Must be hung on wall near elevator.
			9. Control System: PLC with error log and troubleshooting indicators.
			10. Temperature Range: 14 to 104 degrees F (Minus 10 to 40 degrees C).
			11. Cab Lighting: Automatic LED.
			12. Cab Phone: Hands-free, recessed in wall.
			13. Safety Features:
				1. Cab emergency stop switch.
				2. Cab gate switch.
				3. Pit stop switch
				4. Car top stop switch.
				5. Battery backup lowering
				6. Battery backup lighting.
				7. Upper and lower final limit switches.
				8. Safety brakes.
				9. Slack cable switch.
				10. Auxiliary safety circuit for service.

\*\* NOTE TO SPECIFIER \*\* Delete cab and enclosure panel options not required.

* + - 1. Cab Panels: Clear Acrylic
			2. Cab Panels: Laminated Glass
			3. Enclosure Panels: Clear Acrylic
			4. Enclosure Panels: Laminated Glass

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Frame Powder Coat Color: Fine Texture Black.
			2. Frame Powder Coat Color: Fine Texture White.
			3. Frame Powder Coat Color: Gun Metal.
			4. Frame Powder Coat Color: Bronze.
			5. Frame Powder Coat Color: Copper Vein.
			6. Frame Powder Coat Color: Blue-Grey.
			7. Frame Powder Coat Color: Anthracite Metallic.
			8. Frame Powder Coat Color: Greco.
			9. Frame Powder Coat Color: Taupe.
			10. Frame Powder Coat Color: Hartford Green.
			11. Frame Powder Coat Color: Deore (Gold).
			12. Frame Powder Coat Color: \_\_\_\_\_\_\_\_\_\_\_\_\_.
			13. Frame Powder Coat Color: As determined by Architect.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required. Substitutions are not allowed if this product is specified.

* 1. BIRDCAGE HOME ELEVATOR - ARTISAN BIRDCAGE ELEVATOR
		1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 5.3; Residential Elevators.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.
			4. Number of Levels: 4 stops.
			5. Number of Levels: 5 stops.
			6. Number of Levels: 6 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 50 ft (15240 mm).

* + - 1. Vertical Travel (inch/mm): \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* A 4 inch (102 mm) pit depth is recommended. Delete pit depth options not required.

* + - 1. Pit Depth: 0 inches; minimum.
			2. Pit Depth: 4 inches (102 mm)
			3. Pit Depth (inch/mm): \_\_\_\_\_\_.
			4. Pit Depth: As determined by the Architect.
			5. Pit Depth: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Overhead value is the ceiling height at upper landing.

* + - 1. Overhead: \_\_\_\_\_\_.
			2. Overhead: As determined by the Architect.
			3. Overhead: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete enclosure shape options not required.

* + - 1. Enclosure Shape: Round.
			2. Enclosure Shape: Rectangular.
			3. Enclosure Shape: Square.
			4. Enclosure Shape: \_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete cab height options not required.

* + - 1. Cab Height: 78 inches (1981 mm).
				1. Requires overhead of 96 inches (2438 mm) or greater.
			2. Cab Height: 84 inches (2134 mm).
				1. Requires overhead of 102 inches(2591 mm) or greater.
			3. Cab Height: 96 inches (2438 mm).
				1. Requires overhead of 114 inches (2896 mm) or greater.

\*\* NOTE TO SPECIFIER \*\* The first two cab size options are for a round enclosure shape only. The remaining cab size options are for square and rectangular enclosures. Delete cab size options not required.

* + - 1. Cab Size: 38 inch (965 mm) diameter.
				1. Approx. Enclosure Footprint (WxD): 48 inches (1219 mm) diameter.
			2. Cab Size: 48 inch (1219 mm) diameter.
				1. Approx. Enclosure Footprint (WxD): 58 inches (1473 mm) diameter.
			3. Cab Size (WxD): 28 x 26 inches (711 x 660 mm).
				1. Enclosure Footprint (WxD): 36 x 36 inches (914 x 914 mm).
			4. Cab Size (WxD): 40 x 38 inches (1016 x 965 mm).
				1. Enclosure Footprint (WxD): 48 x 48 inches (1219 x 1219 mm).
			5. Cab Size (WxD): 28 x 36 inches (711 x 914 mm).
				1. Enclosure Footprint (WxD): 36 x 46 inches (914 x 1168 mm).
			6. Cab Size (WxD): 28 x 42 inches (711 x 1067 mm).
				1. Enclosure Footprint (WxD): 36 x 52 inches (914 x 1321 mm).
			7. Cab Size (WxD): 28 x 48 inches (711 x 1219 mm).
				1. Enclosure Footprint (WxD): 36 x 58 inches (914 x 1473 mm).
			8. Cab Size (WxD): 36 x 48 inches (914 x 1219 mm).
				1. Enclosure Footprint (WxD): 44 x 58 inches (1118 x 1473 mm).
			9. Cab Size (WxD): 36 x 54 inches (914 x 1372 mm).
				1. Enclosure Footprint (WxD): 44 x 64 inches (1118 x 1626 mm).
			10. Cab Size (WxD): 36 x 60 inches (914 x 1524 mm).
				1. Enclosure Footprint (WxD): 44 x 70 inches (1118 x 1778 mm).
			11. Cab Size (WxD): 40 x 48 inches (1016 x 1219 mm).
				1. Enclosure Footprint (WxD): 48 x 58 inches (1219 x 1473 mm).
			12. Cab Size (WxD): 40 x 54 inches (1016 x 1372 mm).
				1. Enclosure Footprint (WxD): 48 x 64 inches (914 x 1626 mm).
			13. Cab Size (WxD): 44 x 48 inches (1118 x 1219 mm).
				1. Enclosure Footprint (WxD): 52 x 58 inches (1321 x 1473 mm).
			14. Cab Size (WxD): 40 x 60 inches (1016 x 1524 mm).
				1. Enclosure Footprint (WxD): 48 x 70 inch (1219 x 1778 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			15. Cab Size (WxD): 44 x 54 inch (1118 x 1372 mm).
				1. Approx. Enclosure Footprint (WxD): 52 x 64 (1321 x 1626 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			16. Cab Size (WxD): 48 x 48 inch (1219 x 1219 mm)
				1. Approx. Enclosure Footprint (WxD): 56 x 58 inch (1422 x 1473 mm)
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			17. Cab Size (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).
				1. Enclosure Footprint (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).

\*\* NOTE TO SPECIFIER \*\* Delete cab configuration option not required.

* + - 1. Cab Configuration: Enter/exit same side.
			2. Cab Configuration: Enter/exit opposite sides

\*\* NOTE TO SPECIFIER \*\* Delete load capacity option not required.

* + - 1. Load Capacity: 950 lbs (430.9 kg).
			2. Load Capacity: 1000 lbs (453.6 kg).

\*\* NOTE TO SPECIFIER \*\* Not allowed in all regions.

* + - 1. Load Capacity: 1400 lbs (635 kg). Requires variance.
			2. Rated Speed: 40 ft per min (203 mm per sec).
			3. Power Supply: 230 V, 1 PH, 60 Hz, 30 A.
			4. Lighting Supply: 115 V, 60 Hz, 15 A.
			5. Communication: Functional phone line.
			6. Drive System: Winding drum with variable frequency drive.
			7. Machine Room: Not Required
			8. Controller (WxHxD): 24 x 24 x 8 inch (610 x 610 x 203 mm). Must be hung on wall near elevator.
			9. Control System: PLC with error log and troubleshooting indicators.
			10. Temperature Range: 14 to 104 degrees F (Minus 10 to 40 degrees C).
			11. Cab Lighting: Automatic LED.
			12. Cab Phone: Hands-free, recessed in wall.
			13. Safety Features:
				1. Cab emergency stop switch.
				2. Cab gate switch.
				3. Pit stop switch
				4. Car top stop switch.
				5. Battery backup lowering.
				6. Battery backup lighting.
				7. Upper and lower final limit switches.
				8. Safety brakes.
				9. Slack cable switch.
				10. Auxiliary safety circuit for service.

\*\* NOTE TO SPECIFIER \*\* Delete cab and enclosure panel options not required.

* + - 1. Cab Panels: Clear Acrylic
			2. Cab Panels: Laminated Glass
			3. Cab Panels: As determined by the Architect
			4. Cab Panels: \_\_\_\_\_\_\_\_
			5. Enclosure Panels: Clear Acrylic
			6. Enclosure Panels: Laminated Glass
			7. Enclosure Panels: As determined by the Architect.
			8. Enclosure Panels: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Frame Powder Coat Color: Fine Texture Black.
			2. Frame Powder Coat Color: Fine Texture White.
			3. Frame Powder Coat Color: Gun Metal.
			4. Frame Powder Coat Color: Bronze.
			5. Frame Powder Coat Color: Copper Vein.
			6. Frame Powder Coat Color: Blue-Grey.
			7. Frame Powder Coat Color: Anthracite Metallic.
			8. Frame Powder Coat Color: Greco.
			9. Frame Powder Coat Color: Taupe.
			10. Frame Powder Coat Color: Hartford Green.
			11. Frame Powder Coat Color: Deore (Gold).
			12. Frame Powder Coat Color: \_\_\_\_\_\_\_\_\_\_\_\_\_.
			13. Frame Powder Coat Color: As determined by Architect.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. GREEN HOME ELEVATOR - FREEDOM GREEN
		1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 5.3; Residential Elevators.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.
			4. Number of Levels: 4 stops.
			5. Number of Levels: 5 stops.
			6. Number of Levels: 6 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 50 ft (15240 mm).

* + - 1. Vertical Travel (ft/mm) \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* An 8 inch (203 mm) pit depth is recommended. A 14 inch (356 mm) pit depth is required for any unit having a 1400 lb (635 kg) capacity. Delete pit depth options not required.

* + - 1. Pit Depth: 0 inches; minimum.
			2. Pit Depth: 8 inches (203 mm)
			3. Pit Depth: 14 inches (356 mm)
			4. Pit Depth (inch/mm): \_\_\_\_\_\_.
			5. Pit Depth: As determined by the Architect.
			6. Pit Depth: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Overhead value is the ceiling height at upper landing.

* + - 1. Overhead: \_\_\_\_\_\_.
			2. Overhead: As determined by the Architect.
			3. Overhead: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete cab height options not required.

* + - 1. Cab Height: 78 inches (1981 mm).
				1. Requires overhead of 96 inches (2438 mm) or greater.
			2. Cab Height: 84 inches (2134 mm).
				1. Requires overhead of 102 inches(2591 mm) or greater.
			3. Cab Height: 96 inches (2438 mm).
				1. Requires overhead of 114 inches (2896 mm) or greater.

\*\* NOTE TO SPECIFIER \*\* Delete cab size options not required.

* + - 1. Cab Size (WxD): 28 x 26 inches (711 x 660 mm).
				1. Enclosure Footprint (WxD): 36 x 36 inches (914 x 914 mm).
			2. Cab Size (WxD): 40 x 38 inches (1016 x 965 mm).
				1. Enclosure Footprint (WxD): 48 x 48 inches (1219 x 1219 mm).
			3. Cab Size (WxD): 28 x 36 inches (711 x 914 mm).
				1. Enclosure Footprint (WxD): 36 x 46 inches (914 x 1168 mm).
			4. Cab Size (WxD): 28 x 42 inches (711 x 1067 mm).
				1. Enclosure Footprint (WxD): 36 x 52 inches (914 x 1321 mm).
			5. Cab Size (WxD): 28 x 48 inches (711 x 1219 mm).
				1. Enclosure Footprint (WxD): 36 x 58 inches (914 x 1473 mm).
			6. Cab Size (WxD): 36 x 48 inches (914 x 1219 mm).
				1. Enclosure Footprint (WxD): 44 x 58 inches (1118 x 1473 mm).
			7. Cab Size (WxD): 36 x 54 inches (914 x 1372 mm).
				1. Enclosure Footprint (WxD): 44 x 64 inches (1118 x 1626 mm).
			8. Cab Size (WxD): 36 x 60 inches (914 x 1524 mm).
				1. Enclosure Footprint (WxD): 44 x 70 inches (1118 x 1778 mm).
			9. Cab Size (WxD): 40 x 48 inches (1016 x 1219 mm).
				1. Enclosure Footprint (WxD): 48 x 58 inches (1219 x 1473 mm).
			10. Cab Size (WxD): 40 x 54 inches (1016 x 1372 mm).
				1. Enclosure Footprint (WxD): 48 x 64 inches (914 x 1626 mm).
			11. Cab Size (WxD): 44 x 48 inches (1118 x 1219 mm).
				1. Enclosure Footprint (WxD): 52 x 58 inches (1321 x 1473 mm).
			12. Cab Size (WxD): 40 x 60 inches (1016 x 1524 mm).
				1. Enclosure Footprint (WxD): 48 x 70 inch (1219 x 1778 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			13. Cab Size (WxD): 44 x 54 inch (1118 x 1372 mm).
				1. Approx. Enclosure Footprint (WxD): 52 x 64 (1321 x 1626 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			14. Cab Size (WxD): 48 x 48 inch (1219 x 1219 mm)
				1. Approx. Enclosure Footprint (WxD): 56 x 58 inch (1422 x 1473 mm)
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			15. Cab Size (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).
				1. Enclosure Footprint (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).

\*\* NOTE TO SPECIFIER \*\* Delete cab configuration option not required.

* + - 1. Cab Configuration: Enter/exit same side.
			2. Cab Configuration: Enter/exit opposite sides
			3. Cab Configuration: Enter/exit 90 degrees

\*\* NOTE TO SPECIFIER \*\* Delete load capacity option not required.

* + - 1. Load Capacity: 950 lbs (430.9 kg).
			2. Load Capacity: 1000 lbs (453.6 kg).

\*\* NOTE TO SPECIFIER \*\* Not allowed in all regions. Requires a 14 inch (356 mm) pit depth.

* + - 1. Load Capacity: 1400 lbs (635 kg). Requires variance.
			2. Rated Speed: 40 ft per min (203 mm per sec).
			3. Power Supply: 230 V, 1 PH, 60 Hz, 30 A.
			4. Lighting Supply: 115 V, 60 Hz, 15 A.
			5. Communication: Functional phone line.
			6. Drive System: Winding drum with variable frequency drive.
			7. Machine Room: Not Required
			8. Controller (WxHxD): 24 x 24 x 8 inch (610 x 610 x 203 mm). Must be hung on wall near elevator.
			9. Control System: PLC with error log and troubleshooting indicators.
			10. Temperature Range: 14 to 104 degrees F (Minus 10 to 40 degrees C).
			11. Cab Lighting: Automatic LED.
			12. Cab Phone: Hands-free, recessed in wall.
			13. Safety Features:
				1. Cab emergency stop switch.
				2. Cab gate switch.
				3. Pit stop switch.
				4. Car top stop switch.
				5. Battery backup lowering.
				6. Battery backup lighting.
				7. Upper and lower final limit switches.
				8. Safety brakes.
				9. Slack cable switch.
				10. Auxiliary safety circuit for service.

\*\* NOTE TO SPECIFIER \*\* Delete hall station faceplate options not required.

* + - 1. Hall Station / COP Finish: Stainless steel.
			2. Hall Station / COP Finish: Brass.
			3. Hall Station / COP Finish: Bronze.

\*\* NOTE TO SPECIFIER \*\* Delete cab panel options not required.

* + - 1. Cab Panel: Melamine. Gray.
			2. Cab Panel: Melamine. Oak.
			3. Cab Panel: Melamine. Maple.
			4. Cab Panel: Melamine. Cherry.
			5. Cab Panel: Unfinished Hardwood Veneer. Oak.
			6. Cab Panel: Unfinished Hardwood Veneer. Maple.
			7. Cab Panel: Unfinished Hardwood Veneer. Cherry.
			8. Cab Panel: Unfinished Hardwood Veneer. Mahogany.
			9. Cab Panel: Stainless steel.
			10. Cab Panel: Glass.
			11. Cab Panel: As determined by the Architect.
			12. Cab Panel: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete cab gate and material options not required.

* + - 1. Cab Gate: Center-parting dual bi-fold gate, automatic.
				1. Material: Glass.
				2. Material: Stainless.
				3. Material: Painted steel.
			2. Cab Gate: Accordion gate, manual.
				1. Material: Vinyl.
				2. Material: Aluminum.
				3. Material: Acrylic.
				4. Material: Wood veneer.
			3. Cab Gate: Accordion, automatic.
				1. Material: Vinyl.
				2. Material: Aluminum.
				3. Material: Acrylic.
				4. Material: Wood veneer.
			4. Cab Gate: 2-speed sliding gate
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			5. Cab Gate: 3-speed sliding gate.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.

\*\* NOTE TO SPECIFIER \*\* Delete landing doors and material options not required. Note there is no glass option for fire-rated landing doors.

* + - 1. Landing Doors: Swing doors by others. EMI interlocks provided with elevator.
			2. Landing Doors: 2-speed sliding door.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			3. Landing Doors: 3-speed sliding door.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			4. Landing Doors: Fire-rated 2-speed sliding doors.
				1. Material: Stainless steel.
				2. Material: Primed steel.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. HYDRAULIC HOME ELEVATOR - FREEDOM HYDRO
		1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 5.3; Residential Elevators.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.
			4. Number of Levels: 4 stops.
			5. Number of Levels: 5 stops.
			6. Number of Levels: 6 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 50 ft (15240 mm).

* + - 1. Vertical Travel (inch/mm): \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* A 14 inch (356 mm) pit depth is required for any unit having a 1400 lb capacity. Delete pit depth option not required.

* + - 1. Pit Depth:. 8 inches (203 mm)
			2. Pit Depth: 14 inches (356 mm)

\*\* NOTE TO SPECIFIER \*\* Overhead value is the ceiling height at upper landing.

* + - 1. Overhead: \_\_\_\_\_\_.
			2. Overhead: As determined by the Architect.
			3. Overhead: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete cab height options not required.

* + - 1. Cab Height: 78 inches (1981 mm).
				1. Requires overhead of 96 inches (2438 mm) or greater.
			2. Cab Height: 84 inches (2134 mm).
				1. Requires overhead of 102 inches(2591 mm) or greater.
			3. Cab Height: 96 inches (2438 mm).
				1. Requires overhead of 114 inches (2896 mm) or greater.

\*\* NOTE TO SPECIFIER \*\* Delete cab size options not required.

* + - 1. Cab Size (WxD): 36 x 48 inches (914 x 1219 mm).
				1. Enclosure Footprint (WxD): 44 x 58 inches (1118 x 1473 mm).
			2. Cab Size (WxD): 36 x 54 inches (914 x 1372 mm).
				1. Enclosure Footprint (WxD): 44 x 64 inches (1118 x 1626 mm).
			3. Cab Size (WxD): 36 x 60 inches (914 x 1524 mm).
				1. Enclosure Footprint (WxD): 44 x 70 inches (1118 x 1778 mm).
			4. Cab Size (WxD): 40 x 48 inches (1016 x 1219 mm).
				1. Enclosure Footprint (WxD): 48 x 58 inches (1219 x 1473 mm).
			5. Cab Size (WxD): 40 x 54 inches (1016 x 1372 mm).
				1. Enclosure Footprint (WxD): 48 x 64 inches (914 x 1626 mm).
			6. Cab Size (WxD): 44 x 48 inches (1118 x 1219 mm).
				1. Enclosure Footprint (WxD): 52 x 58 inches (1321 x 1473 mm).
			7. Cab Size (WxD): 40 x 60 inches (1016 x 1524 mm).
				1. Enclosure Footprint (WxD): 48 x 70 inch (1219 x 1778 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			8. Cab Size (WxD): 44 x 54 inch (1118 x 1372 mm).
				1. Approx. Enclosure Footprint (WxD): 52 x 64 (1321 x 1626 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			9. Cab Size (WxD): 48 x 48 inch (1219 x 1219 mm)
				1. Approx. Enclosure Footprint (WxD): 56 x 58 inch (1422 x 1473 mm)
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			10. Cab Size (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).
				1. Enclosure Footprint (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).

\*\* NOTE TO SPECIFIER \*\* Delete cab configuration option not required.

* + - 1. Cab Configuration: Enter/exit same side.
			2. Cab Configuration: Enter/exit opposite sides.
			3. Cab Configuration: Enter/exit 90 degrees.

\*\* NOTE TO SPECIFIER \*\* Delete load capacity option not required.

* + - 1. Load Capacity: 950 lbs (430.9 kg).
			2. Load Capacity: 1000 lbs (453.6 kg).

\*\* NOTE TO SPECIFIER \*\* Not allowed in all regions. Requires a 14 inch (356 mm) pit depth.

* + - 1. Load Capacity: 1400 lbs (635 kg). Requires variance.
			2. Rated Speed: 40 ft per min (203 mm per sec).
			3. Power Supply: 230 V, 1 PH, 60 Hz, 30 A.
			4. Lighting Supply: 115 V, 60 Hz, 15 A.
			5. Communication: Functional phone line.
			6. Drive System: Winding drum with variable frequency drive.
			7. Machine Room: Not Required
			8. Controller (WxHxD): 24 x 24 x 8 inch (610 x 610 x 203 mm). Must be hung on wall near elevator.
			9. Control System: PLC with error log and troubleshooting indicators.
			10. Temperature Range: 14 to 104 degrees F (Minus 10 to 40 degrees C).
			11. Cab Lighting: Automatic LED.
			12. Cab Phone: Hands-free, recessed in wall.
			13. Safety Features:
				1. Cab emergency stop switch.
				2. Cab gate switch.
				3. Pit stop switch
				4. Car top stop switch.
				5. Battery backup lowering
				6. Battery backup lighting.
				7. Upper and lower final limit switches.
				8. Safety brakes.
				9. Slack cable switch.
				10. Auxiliary safety circuit for service.

\*\* NOTE TO SPECIFIER \*\* Delete hall station faceplate options not required.

* + - 1. Hall Station / COP Finish: Stainless steel.
			2. Hall Station / COP Finish: Brass.
			3. Hall Station / COP Finish: Bronze.

\*\* NOTE TO SPECIFIER \*\* Delete cab panel options not required.

* + - 1. Cab Panel: Melamine. Gray.
			2. Cab Panel: Melamine. Oak.
			3. Cab Panel: Melamine. Maple.
			4. Cab Panel: Melamine. Cherry.
			5. Cab Panel: Unfinished Hardwood Veneer. Oak.
			6. Cab Panel: Unfinished Hardwood Veneer. Maple.
			7. Cab Panel: Unfinished Hardwood Veneer. Cherry.
			8. Cab Panel: Unfinished Hardwood Veneer. Mahogany.
			9. Cab Panel: Stainless Steel.
			10. Cab Panel: Glass.
			11. Cab Panel: As determined by the Architect.
			12. Cab Panel: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete cab gate and material options not required.

* + - 1. Cab Gate: Center-parting dual bi-fold gate, automatic.
				1. Material: Glass.
				2. Material: Stainless.
				3. Material: Painted steel.
			2. Cab Gate: Accordion gate, manual.
				1. Material: Vinyl.
				2. Material: Aluminum.
				3. Material: Acrylic.
				4. Material: Wood veneer.
			3. Cab Gate: Accordion, automatic.
				1. Material: Vinyl.
				2. Material: Aluminum.
				3. Material: Acrylic.
				4. Material: Wood veneer.
			4. Cab Gate: 2-speed sliding gate
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			5. Cab Gate: 3-speed sliding gate.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.

\*\* NOTE TO SPECIFIER \*\* Delete landing doors and material options not required. Note there is no glass option for fire-rated landing doors.

* + - 1. Landing Doors: Swing doors by others. EMI interlocks provided with elevator.
			2. Landing Doors: 2-speed sliding door.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			3. Landing Doors: 3-speed sliding door.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			4. Landing Doors: Fire-rated 2-speed sliding doors.
				1. Material: Stainless steel.
				2. Material: Primed steel.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. ELITE HOME ELEVATOR - FREEDOM ELITE
		1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 5.3; Residential Elevators.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.
			4. Number of Levels: 4 stops.
			5. Number of Levels: 5 stops.
			6. Number of Levels: 6 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 50 ft (15240 mm).

* + - 1. Vertical Travel (ft/mm) \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* A 14 inch (356 mm) pit depth is recommended and required for any unit having a 1400 lb (635 kg) capacity. Delete pit depth option not required.

* + - 1. Pit Depth: 0 inches. Minimum.
			2. Pit Depth: 14 inch (356 mm)
			3. Pit Depth (inch/mm): \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Overhead value is the ceiling height at upper landing.

* + - 1. Overhead: \_\_\_\_\_\_.
			2. Overhead: As determined by the Architect.
			3. Overhead: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete cab height option not required.

* + - 1. Cab Height: 84 inches (2134 mm).
				1. Requires overhead of 108 inches (2743 mm) or greater.
			2. Cab Height: 96 inches (2438 mm).
				1. Requires overhead of 120 inches (3048 mm) or greater.

\*\* NOTE TO SPECIFIER \*\* Delete cab size options not required.

* + - 1. Cab Size (WxD): 40 x 48 inches (1016 x 1219 mm).
				1. Enclosure Footprint (WxD): 48 x 58 inches (1219 x 1473 mm).
			2. Cab Size (WxD): 40 x 54 inches (1016 x 1372 mm).
				1. Enclosure Footprint (WxD): 48 x 64 inches (914 x 1626 mm).
			3. Cab Size (WxD): 44 x 48 inches (1118 x 1219 mm).
				1. Enclosure Footprint (WxD): 52 x 58 inches (1321 x 1473 mm).
			4. Cab Size (WxD): 40 x 60 inches (1016 x 1524 mm).
				1. Enclosure Footprint (WxD): 48 x 70 inch (1219 x 1778 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			5. Cab Size (WxD): 44 x 54 inch (1118 x 1372 mm).
				1. Approx. Enclosure Footprint (WxD): 52 x 64 (1321 x 1626 mm).
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			6. Cab Size (WxD): 48 x 48 inch (1219 x 1219 mm)
				1. Approx. Enclosure Footprint (WxD): 56 x 58 inch (1422 x 1473 mm)
				2. Requires 1400 lbs (635 kg) capacity.
				3. Requires variance.
			7. Cab Size (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).
				1. Enclosure Footprint (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).

\*\* NOTE TO SPECIFIER \*\* Delete cab configuration option not required.

* + - 1. Cab Configuration: Enter/exit same side.
			2. Cab Configuration: Enter/exit opposite sides.
			3. Cab Configuration: Enter/exit 90 degrees.

\*\* NOTE TO SPECIFIER \*\* Delete load capacity option not required.

* + - 1. Load Capacity: 950 lbs (430.9 kg).
			2. Load Capacity: 1000 lbs (453.6 kg).

\*\* NOTE TO SPECIFIER \*\* Not allowed in all regions. Requires a 14 inch (356 mm) pit depth.

* + - 1. Load Capacity: 1400 lbs (635 kg). Requires variance.
			2. Rated Speed: 40 ft per min (203 mm per sec).
			3. Power Supply: 230 V, 1 PH, 60 Hz, 30 A.
			4. Lighting Supply: 115 V, 60 Hz, 15 A.
			5. Communication: Functional phone line.
			6. Drive System: Winding drum with variable frequency drive.
			7. Machine Room: Not Required
			8. Controller (WxHxD): 24 x 24 x 8 inch (610 x 610 x 203 mm). Must be hung on wall near elevator.
			9. Control System: PLC with error log and troubleshooting indicators.
			10. Temperature Range: 14 to 104 degrees F (Minus 10 to 40 degrees C).
			11. Cab Lighting: Automatic LED.
			12. Cab Phone: Hands-free, recessed in wall.
			13. Safety Features:
				1. Cab emergency stop switch.
				2. Cab gate switch.
				3. Pit stop switch
				4. Car top stop switch.
				5. Battery backup lowering.
				6. Battery backup lighting.
				7. Upper and lower final limit switches.
				8. Safety brakes.
				9. Slack cable switch.
				10. Auxiliary safety circuit for service.

\*\* NOTE TO SPECIFIER \*\* Delete hall station faceplate options not required.

* + - 1. Hall Station / COP Finish: Stainless steel.
			2. Hall Station / COP Finish: Brass.
			3. Hall Station / COP Finish: Bronze.

\*\* NOTE TO SPECIFIER \*\* Delete cab panel options not required.

* + - 1. Cab Panel: Melamine. Gray.
			2. Cab Panel: Melamine. Oak.
			3. Cab Panel: Melamine. Maple.
			4. Cab Panel: Melamine. Cherry.
			5. Cab Panel: Unfinished Hardwood Veneer. Oak.
			6. Cab Panel: Unfinished Hardwood Veneer. Maple.
			7. Cab Panel: Unfinished Hardwood Veneer. Cherry.
			8. Cab Panel: Unfinished Hardwood Veneer. Mahogany.
			9. Cab Panel: Stainless steel.
			10. Cab Panel: Glass.
			11. Cab Panel: As determined by the Architect.
			12. Cab Panel: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete cab gate and material options not required.

* + - 1. Cab Gate: Center-parting dual bi-fold gate, automatic.
				1. Material: Glass.
				2. Material: Stainless.
				3. Material: Painted steel.
			2. Cab Gate: Accordion gate, manual.
				1. Material: Vinyl.
				2. Material: Aluminum.
				3. Material: Acrylic.
				4. Material: Wood veneer.
			3. Cab Gate: Accordion, automatic.
				1. Material: Vinyl.
				2. Material: Aluminum.
				3. Material: Acrylic.
				4. Material: Wood veneer.
			4. Cab Gate: 2-speed sliding gate
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			5. Cab Gate: 3-speed sliding gate.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.

\*\* NOTE TO SPECIFIER \*\* Delete landing doors and material options not required. Note there is no glass option for fire-rated landing doors.

* + - 1. Landing Doors: Swing doors by others. EMI interlocks provided with elevator.
			2. Landing Doors: 2-speed sliding door.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			3. Landing Doors: 3-speed sliding door.
				1. Material: Stainless steel.
				2. Material: Primed steel.
				3. Material: Glass.
			4. Landing Doors: Fire-rated 2-speed sliding doors.
				1. Material: Stainless steel.
				2. Material: Primed steel.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. COMMERCIAL ELEVATOR - LULA - LIMITED-USE, LIMITED-ACCESS ELEVATORS
		1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 5.2; LULA Elevators.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.
			4. Number of Levels: 4 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 25 ft (7620 mm).

* + - 1. Vertical Travel (ft/mm): \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.
			4. Pit Depth: 14 inch (356 mm) minimum.

\*\* NOTE TO SPECIFIER \*\* Overhead value is the ceiling height at upper landing; min 108 inches (2743 mm) for renovation, min 134 inch (3404 mm) for new construction.

* + - 1. Overhead: 108 inches (2743 mm).
			2. Overhead: 134 inch (3404 mm).
			3. Overhead: \_\_\_\_\_\_.
			4. Overhead: As determined by the Architect.
			5. Travel Speed: 30 ft per min (152 mm per sec).
			6. Drive System:
				1. Roped Hydraulic; hole-less.
				2. Submersible pump unit.
			7. Safety Features:
				1. Overspeed valve.
				2. Safety brake system.
				3. Emergency alarm and stop switch.
				4. Final limit switches.
				5. Gate switch.
				6. Landing door interlocks.

\*\* NOTE TO SPECIFIER \*\* Delete power requirements option not required.

* + - 1. Elevator Power Requirements: 208 V, 3 Phase, 30 A service to fused, lockable disconnect with auxiliary contact.
			2. Elevator Power Requirements: 240 V, 1 Phase, 40 A service to fused, lockable disconnect with auxiliary contact.
			3. Lighting Power Requirements: 120 V, 20 A service to a fused, lockable disconnect (for lighting circuit).
			4. Communication Requirements: Dedicated phone line.
			5. Controls:
				1. Fully automatic push button in cab and at landings.
				2. Automatic car lighting.
				3. Position indicator in cab.
				4. Microprocessor based controller.
			6. Capacity: 1400 lbs. (635 kg).

\*\* NOTE TO SPECIFIER \*\* Delete car size option not required.

* + - 1. Cab Size (WxD): 48 x 54 inches (1219 x 1372 mm).
			2. Cab Size (WxD): 42 x 60 inches (1067 x 1524 mm).

\*\* NOTE TO SPECIFIER \*\* Delete cab configuration option not required.

* + - 1. Cab Configuration: Enter/exit same side.
			2. Cab Configuration: Enter/exit opposite sides; front and rear.

\*\* NOTE TO SPECIFIER \*\* Delete cab fixture finish options not required.

* + - 1. Cab Fixtures Finish: Stainless Steel.
			2. Cab Fixtures Finish: Oil Rubbed Bronze.
			3. Cab Fixtures Finish: Brass.
			4. Cab Gates: Sliding 2-speed gate.

\*\* NOTE TO SPECIFIER \*\* Delete cab gate finish options not required.

* + - 1. Cab Gate Finish: Primed for paint.
			2. Cab Gate Finish: Powder Coated Black.
			3. Cab Gate Finish: Powder Coated White.
			4. Cab Gate Finish: Stainless Steel.
			5. Landing Doors: Sliding 2-speed doors.

\*\* NOTE TO SPECIFIER \*\* Delete landing door finish option not required.

* + - 1. Landing Door Finish: Primed for paint.
			2. Landing Door Finish: Stainless Steel.

\*\* NOTE TO SPECIFIER \*\* Delete cab wall finish not required.

* + - 1. Cab Wall Finish: Powder Coat White.
			2. Cab Wall Finish: Powder Coat Black.
			3. Cab Wall Finish: Stainless Steel.
			4. Cab Wall Finish: Powder Coat White with Raised Laminate Panels; Oak.
			5. Cab Wall Finish: Powder Coat White with Raised Laminate Panels; Stone.
			6. Cab Wall Finish: Powder Coat White with Raised Laminate Panels; Mahogany.
			7. Cab Wall Finish: Powder Coat White with Raised Laminate Panels; Fog.
			8. Cab Wall Finish: Powder Coat Black with Raised Laminate Panels; Oak.
			9. Cab Wall Finish: Powder Coat Black with Raised Laminate Panels; Stone.
			10. Cab Walls Finish: Powder Coat Black with Raised Laminate Panels; Mahogany.
			11. Cab Wall Finish: Powder Coat Black with Raised Laminate Panels; Fog.
			12. Cab Wall Finish: Stainless Steel with Raised Laminate Panels; Walnut.
			13. Cab Wall Finish: Stainless Steel with Raised Laminate Panels; Gray.

\*\* NOTE TO SPECIFIER \*\* Delete cab ceiling finish options not required.

* + - 1. Cab Ceiling: Powder Coat White.
			2. Cab Ceiling: Powder Coat Black.
			3. Cab Ceiling: Stainless Steel.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. WHEELCHAIR LIFT - ARTISAN WHEELCHAIR LIFT WITH GLASS ENCLOSURE
		1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A18.1
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 14 ft (4267 mm).

* + - 1. Vertical Travel (inch/mm): \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* A 4 inch (76 mm) pit depth is recommended. Delete pit depth options not required.

* + - 1. Pit Depth: 0 inches; minimum.
			2. Pit Depth: 3 inches (76 mm).
			3. Pit Depth (inch/mm): \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Overhead value is the ceiling height at upper landing.

* + - 1. Overhead: \_\_\_\_\_\_.
			2. Overhead: As determined by the Architect.
			3. Overhead: As detailed on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete enclosure shape options not required.

* + - 1. Enclosure Shape: Rectangular.
			2. Enclosure Shape: Square.
			3. Enclosure Shape: \_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete cab height options not required.

* + - 1. Cab Height: 78 inches (1981 mm).
				1. Requires overhead of 96 inches (2438 mm) or greater.
			2. Cab Height: 84 inches (2164 mm).
				1. Requires overhead of 102 inches (2591 mm) or greater.
			3. Cab Height: 96 inches (2438 mm).
				1. Requires overhead of 114 inches (2896 mm) or greater.

\*\* NOTE TO SPECIFIER \*\* Delete cab size options not required.

* + - 1. Cab Size (WxD): 36 x 48 inches (914 x 1219 mm).
				1. Enclosure Footprint (WxD): 44 x 58 inches (1118 x 1473 mm).
			2. Cab Size (WxD): 36 x 54 inches (914 x 1372 mm).
				1. Enclosure Footprint (WxD): 44 x 64 inches (1118 x 1626 mm).
			3. Cab Size (WxD): 36 x 60 inches (914 x 1524 mm).
				1. Enclosure Footprint (WxD): 44 x 70 inches (1118 x 1778 mm).
			4. Cab Size (WxD): 40 x 48 inches (1016 x 1219 mm).
				1. Enclosure Footprint (WxD): 48 x 58 inches (1219 x 1473 mm).
			5. Cab Size (WxD): 40 x 54 inches (1016 x 1372 mm).
				1. Enclosure Footprint (WxD): 48 x 64 inches (914 x 1626 mm).
			6. Cab Size (WxD): 44 x 48 inches (1118 x 1219 mm).
				1. Enclosure Footprint (WxD): 52 x 58 inches (1321 x 1473 mm).

\*\* NOTE TO SPECIFIER \*\* The following cab size has a capacity of 1400 lbs (635 kg) and its use will probably require a variance from authorities having jurisdiction.

* + - 1. Cab Size (WxD): 40 x 60 inches (1016 x 1524 mm).
				1. Enclosure Footprint (WxD): 48 x 70 inch (1219 x 1778 mm).

\*\* NOTE TO SPECIFIER \*\* The following cab size has a capacity of 1400 lbs (635 kg) and its use will probably require a variance from authorities having jurisdiction.

* + - 1. Cab Size (WxD): 44 x 54 inch (1118 x 1372 mm).
				1. Approx. Enclosure Footprint (WxD): 52 x 64 (1321 x 1626 mm).
				2. Capacity: 1400 lbs (635 kg).

\*\* NOTE TO SPECIFIER \*\* The following cab size has a capacity of 1400 lbs (635 kg) and its use will probably require a variance from authorities having jurisdiction.

* + - 1. Cab Size (WxD): 48 x 48 inch (1219 x 1219 mm)
				1. Approx. Enclosure Footprint (WxD): 56 x 58 inch (1422 x 1473 mm)
				2. Capacity: 1400 lbs (635 kg).
			2. Cab Size (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).
				1. Enclosure Footprint (WxD): \_\_\_\_ x \_\_\_\_ inch (\_\_\_\_ x \_\_\_\_ mm).

\*\* NOTE TO SPECIFIER \*\* Delete cab configuration option not required.

* + - 1. Cab Configuration: Enter/exit same side.
			2. Cab Configuration: Enter/exit opposite sides

\*\* NOTE TO SPECIFIER \*\* Load capacity for all cab sizes is 750 lbs (340 kg) except cab sizes (WxD) 44 x 54 inch (1118 x 1372 mm), 44 x 54 inch (1118 x 1372 mm), and 48 x 48 inch (1219 x 1219 mm) which each has a capacity of 1400 lbs (635 kg). Delete load capacity if option not required.

* + - 1. Load Capacity: 750 lbs (340 kg).
			2. Load Capacity: 1400 lbs (635 kg).
			3. Rated Speed: 30 fpm (152 mm per sec).
			4. Power Supply: 230 V, 1 PH, 60 Hz, 30 A.
			5. Lighting Supply: 115 V, 60 Hz, 15 A.
			6. Communication: Functional phone line.
			7. Drive System: Winding drum with variable frequency drive.
			8. Machine Room: Not Required
			9. Controller (WxHxD): 24 x 24 x 8 inch (610 x 610 x 203 mm). Must be hung on wall near elevator.
			10. Control System: PLC with error log and troubleshooting indicators.
			11. Operation: Continuous pressure.
			12. Temperature Range: 14 to 104 degrees F (Minus 10 to 40 degrees C).
			13. Cab Lighting: Automatic LED.
			14. Cab Phone: Hands-free, recessed in wall.

\*\* NOTE TO SPECIFIER \*\* Automatic swing doors are required when doors are on the same side. Delete Landing door option not required.

* + - 1. Landing Doors: Manual swing.
			2. Landing Doors: Automatic swing.
			3. Safety Features:
				1. Cab emergency stop switch.
				2. Cab gate switch.
				3. Pit stop switch
				4. Car top stop switch.
				5. Battery backup lowering.
				6. Battery backup lighting.
				7. Upper and lower final limit switches.
				8. Safety brakes.
				9. Slack cable switch.
				10. Auxiliary safety circuit for service.

\*\* NOTE TO SPECIFIER \*\* Delete cab and enclosure panel options not required.

* + - 1. Cab Panels: Clear Acrylic.
			2. Cab Panels: Laminated Glass.
			3. Enclosure Panels: Clear Acrylic.
			4. Enclosure Panels: Laminated Glass.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Frame Powder Coat Color: Fine Texture Black.
			2. Frame Powder Coat Color: Fine Texture White.
			3. Frame Powder Coat Color: Gun Metal.
			4. Frame Powder Coat Color: Bronze.
			5. Frame Powder Coat Color: Copper Vein.
			6. Frame Powder Coat Color: Blue-Grey.
			7. Frame Powder Coat Color: Anthracite Metallic.
			8. Frame Powder Coat Color: Greco.
			9. Frame Powder Coat Color: Taupe.
			10. Frame Powder Coat Color: Hartford Green.
			11. Frame Powder Coat Color: Deore (Gold).
			12. Frame Powder Coat Color: \_\_\_\_\_\_\_\_\_\_\_\_\_.
			13. Frame Powder Coat Color: As determined by Architect.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. RESIDENTIAL DUMBWAITER - JEEVES ECONOLIFT

\*\* NOTE TO SPECIFIER \*\* Jeeves EconoLift: These dumbwaiters are simple and cost effective. They are available in 2 standard sizes, with custom sizes available. The cab is constructed of birch plywood. The cab has a roll-up gate. Landing doors are available, but the homeowner usually provides doors to match the home. Delete if not required.

* + 1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 7.2; Electric Dumbwaiters.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 27 ft (8230 mm). Delete vertical travel options not required,.

* + - 1. Vertical Travel (inch/mm): \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.
			4. Travel Speed: 30 ft per min (152 mm per sec).

\*\* NOTE TO SPECIFIER \*\* Delete door option not required.

* + - 1. Door Configuration: Same side.
			2. Doors Configuration: Front and back.

\*\* NOTE TO SPECIFIER \*\* Delete car size option not required.

* + - 1. Car Size (WxDxH): 20 x 20 x 30 inches (508 x 208 x 762 mm).
				1. Capacity: 100 lbs (45.4 kg).
			2. Car Size (WxDxH): 24 x 24 x 30 inches (610 x 610 x 762 mm).
				1. Capacity: 150 lbs (68 kg).
			3. Power: 115 V, 15 A circuit in a lockable fused disconnect.
			4. Drive System: Winding drum.
			5. Car Construction: Birch plywood with roll-up gate.

\*\* NOTE TO SPECIFIER \*\* Delete landing doors options not required.

* + - 1. Landing Doors: Primed steel.
			2. Landing Doors: Stainless steel.
			3. Landing Doors: Wood.
			4. Landing Controls: Wall mounted push button station.

\*\* NOTE TO SPECIFIER \*\* Delete machine location option not required.

* + - 1. Machine Location: Bottom of hoistway.
			2. Machine Location: Top of hoistway.
			3. Safety Features:
				1. Safety brake system.
				2. Final limit switches.
				3. Gate switch.
				4. Landing door interlocks.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. COMMERCIAL DUMBWAITER - JEEVES PRO DUMBWAITER

\*\* NOTE TO SPECIFIER \*\* Jeeves EconoLift: These dumbwaiters are simple and cost effective. They are available in 2 standard sizes, with custom sizes available. The cab is constructed of birch plywood. The cab has a roll-up gate. Landing doors are available. Contact manufacturer for more information. Delete if not required.

* + 1. Installation by manufacturer authorized installer.
		2. Compliance with ASME A17.1 Section 7.2; Electric Dumbwaiters.
		3. Specifications:

\*\* NOTE TO SPECIFIER \*\* Delete number of levels options not required.

* + - 1. Number of Levels: 1 stop.
			2. Number of Levels: 2 stops.
			3. Number of Levels: 3 stops.
			4. Number of Levels: 4 stops.
			5. Number of Levels: 5 stops.
			6. Number of Levels: 6 stops.

\*\* NOTE TO SPECIFIER \*\* Vertical travel can be any value up to 80 ft (24384 mm).

* + - 1. Vertical Travel (ft/mm) \_\_\_\_\_\_.
			2. Vertical Travel: As determined by the Architect.
			3. Vertical Travel: As detailed on the Drawings.
			4. Travel Speed: 30 ft per min (152 mm per sec).

\*\* NOTE TO SPECIFIER \*\* Delete door option not required.

* + - 1. Door Configuration: Same side.
			2. Doors Configuration: Front and back.

\*\* NOTE TO SPECIFIER \*\* Delete loading height options not required.

* + - 1. Loading Height: Counter loading.
			2. Loading Height: Floor loading.

\*\* NOTE TO SPECIFIER \*\* Delete car size options not required.

* + - 1. Car Size (WxDxH): 24 x 24 x 24 inches (610 x 610 x 610 mm).
				1. Capacity: 125 lbs (56.7 kg).
				2. Power: 115 V, 20 A to a lockable fused disconnect.
			2. Car Size (WxDxH): 28 x 28 x 28 inches (711 x 711 x 711 mm).
				1. Capacity: 250 lbs (113.4 kg).
				2. Power: 115 V, 20 A to a lockable fused disconnect.
			3. Car Size (WxDxH): 20 x 30 x 36 inches (508 x 762 x 914 mm).
				1. Capacity: 250 lbs (113.4 kg).
				2. Power: 115 V, 20 A to a lockable fused disconnect.
			4. Car Size (WxDxH): 36 x 36 x 48 inches (914 x 914 x 1219 mm).
				1. Capacity: 500 lbs (226.8 kg).
				2. Power: 230 V, 20 A to a lockable fused disconnect.
			5. Drive System: Winding drum.

\*\* NOTE TO SPECIFIER \*\* Delete car construction option not required.

* + - 1. Car Construction: Powder coated steel.
			2. Car Construction: Stainless steel.

\*\* NOTE TO SPECIFIER \*\* Delete car gate option not required.

* + - 1. Car Gate: Bi-parting.
			2. Car Gate: Slide-up.

\*\* NOTE TO SPECIFIER \*\* Delete landing doors options not required.

* + - 1. Landing Doors: Bi-parting, Primed steel.
			2. Landing Doors: Bi-parting, Stainless steel.
			3. Landing Doors: Swing, Primed steel.
			4. Landing Doors: Swing, Stainless steel.
			5. Landing Doors: Roll-up, Primed steel.
			6. Landing Doors: Roll-up, Stainless steel.
			7. Landing Controls: Wall mounted push button station.

\*\* NOTE TO SPECIFIER \*\* Delete machine location option not required.

* + - 1. Machine Location: Bottom of hoistway.
			2. Machine Location: Top of hoistway.
			3. Safety Features:
				1. Safety brake system.
				2. Final limit switches.
				3. Gate switch.
				4. Landing door interlocks.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until site has been properly prepared.
		2. Hoistway shall be constructed in accordance with applicable safety code and must comply with State and Local codes.
		3. Hoistway shall be plumb and square within tolerance of manufacturer's requirements.
		4. Hoistway shall provide attachment and support of equipment inside hoistway.
		5. If site preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions.
		2. Hoistway doors shall comply with local fire and building code for fire rated openings.
	4. FIELD QUALITY CONTROL
		1. Perform tests of elevator as required by governing codes.
	5. ADJUSTING
		1. Adjust elevators for proper operation in accordance with manufacturer/installer's instructions.
		2. Adjust elevators for smooth acceleration and deceleration of car so not to cause passenger discomfort.
		3. Adjust doors to prevent opening of doors at landing on corridor side, unless car is at rest at that landing, or is in leveling zone and stopping at that landing.
		4. Adjust automatic floor leveling feature at each floor to within 1/4 inch (6 mm) of landing.
		5. Repair minor damages to finish in accordance with manufacturer/installer's instructions and as approved by Architect.
		6. Remove and replace damaged components that cannot be successfully repaired as determined by Architect.
	6. CLEANING AND PROTECTION
		1. Clean in accordance with manufacturer's recommendations. Clean elevators promptly after installation in accordance with manufacturer/installer's instructions. Do not use cleaning materials or methods that could damage finish.
		2. Protect installed elevators from damage during construction in accordance with the negotiated temporary use agreement between Owner and manufacturer's installer. Protect installed products until completion of project.
		3. Touch-up, repair or replace damaged products and finishes in accordance with manufacturer's instructions before Substantial Completion.

END OF SECTION