

### Schindler 3300

Distinctive design. Cost-effective solution. Green technology made easy.



## Schindler 3300

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## Smart

Enlightened engineering. Easy to order. Accelerated lead times. Simple to install and a pleasure to design. Its features are thoughtful of the needs of architects, general contractors and passengers alike.

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## More space Its

More space. Its cab is designed to create more room and comfort. With no need for a machine room or control closet, there's more usable building space. And it fits neatly into the footprint of a hydraulic elevator.

## A more comf

A more comfortable ride. Noticeably quiet. Beautifully fluid. Reliably safe. Schindler's exclusive engineering provides smooth, quiet operation for the most comfortable ride experience.

#### Sophisticated Understated elegance.

Understated elegance. Refined without being pretentious. Stylish without being trendy. Energy efficient without being mundane. The Schindler 3300 seamlessly integrates Italian design with precision Swiss engineering.



## Value has a new, intelligent design

#### The world's most enlightened elevator

The Schindler 3300 has proven itself globally as the smartest choice for low- to mid-rise commercial and residential buildings.

That's because it is engineered like no other everyday elevator. It offers a distinctive range of design and aesthetic options along with an amazingly smooth performance that uses less energy and makes less noise. All in a smaller, easy to fit footprint.

It's setting the new global standard.

#### More room. More usable space.

As architects and engineers around the world can attest, the Schindler 3300 is designed to minimize the space required for technical equipment, while maximizing the square footage of the cab interior.

Thanks to our new easy-to-install suspension traction media, hoistways designed for a hydraulic elevator can now accommodate a more spacious traction elevator.

Also, because the control is distributed throughout the system, and inspection and test panels are located in the top landing hoistway door jamb, the Schindler 3300 needs no machine room. What's more, it requires minimum overhead, eliminating unsightly structures on your roof. All told, the Schindler 3300 gives you more space and reduces construction costs.

#### Smooth to the eyes and ears

Schindler cabs are constructed using only high-quality materials. And with standard palettes that are anything but "standard," we can provide exceptional looks, while keeping lead times and costs down. From stainless steel to a distinctive collection of attractive color laminates, your design choices are easier than ever before.

To add to the aura, we are also working to reduce noise. Our suspension traction media enables the Schindler 3300 to glide peacefully through your building. Elevator movements go virtually unnoticed — which will certainly be appreciated by guests in your building.

#### Sophisticated design for our passengers and our planet

With automatic evacuation available, we've elevated our focus on safety. In the event of a power failure, you will be taken safely to the next floor.

We're also setting a new standard in conservation. The Schindler 3300 is economical in its use of energy, which contributes to lower operating costs and a smaller carbon footprint. The effects are highly visible.

Fast	facts
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Fast facts	sc	HINDLE AHEAD READY
Capacity	2,100 – 3,500 lbs., 13 – 21 passengers	READY
Travel height	Max. 98 feet 5 inches	1.8-
Stops/Openings	12 stops, with up to 16 openings	
Door width	36 – 42 inches	-
Door height	84 inches	-
Drive	Regenerative drive standard	-
Speed	100/150 FPM	-
Control	Selective collective	-
Interior	Powder coat, plastic laminate or brushed stainless steel	-
Compliance	Meets applicable federal, state and local codes. Check with your local sales representative for details.	-



## Efficient and sustainable mobility

In architecture, in engineering, in everyday life, there is a global movement toward sustainability. There is a growing demand for solutions that benefit the planet as much as they do people. At Schindler, we are proud to be at the forefront of this initiative. In every facet of our business, we are looking for ways to become better stewards of the planet.

The Schindler 3300 is the hallmark of our environmental efforts. When designing this elevator, sustainability was not an afterthought, but the driving force behind every decision we made. As a result, the Schindler 3300 offers more ecofriendly features than one might have thought possible.

#### Drive

- Regenerative drive comes standard
- Gearless machine designed to save energy and avoid power loss
- Stable start uses energy more efficiently and reduces electric costs
- Frequency converter with standby power mode allows elevator to return safely to nearest floor in the event of a building power outage
- Compact, lightweight and durable design.

#### Control

- Controls automatically switch car lights to standby mode to save energy
- Car panel and floor indicators all operate with low power, LED lights
- Multi-bus control architecture reduces cabling, material and waste
- Smart controls provide more efficient passenger transportation.

#### Cab and hoistway

- Car lighting equipped with energy-efficient lamps
- Central guiding system reduces friction and overall energy consumption
- Door drive with standby mode uses less electricity
- Overall design provides more usable space for enhanced passenger comfort.

#### Environmentally-responsible company

We are working to make our entire operation more sustainable. We have instituted more ecologically responsible production systems and material usage. We are able to manage installations faster and more efficiently. And our products and services are designed to provide energy-efficient and eco-friendly options to architects, contractors, building owners and managers.

What's more, Schindler is a member of the U.S. Green Building Council and supports the LEED® Green Building Rating System.

The following categories of the LEED rating system are areas where Schindler can assist you in obtaining the necessary credits for



Indoor

#### LEED RATING SYSTEM VERSIONS 3 AND 2.2

**Energy and** Atmosphere Prerequisite 1 Fundamental Commissioning of the Building Energy Systems

Credit 1 **Optimize Energy** Performance

Materials and Resources Environmental Quality Credit 2.1 and 2.2 Construction Waste Credit 4.1 Management Low – Emitting Materials: Adhesives and Sealants Credit 4.2

Low – Emitting Materials: Paints and Coats

Credit 4.4 Low - Emitting Materials: Composite Wood and Agrifiber Projects

## Advanced technology

#### **Drive system**

The Schindler 3300 requires a small hoist machine and inverter. This saves more space compared to previous drive systems; it is installed directly in the overhead and does not require a separate machine room. The system stops the car with precision. Cab and landing floor line up very accurately to ensure that passengers get in and out safely. The system is economical in energy consumption and causes minimal noise due to the material of the suspension traction media (STM) in the elevator and in the entire building. Real comfort.

#### Suspension Traction Media (STM)

The STM consists of thin metal cables sheathed in a noncircular EPDM (Ethylene Propylene Diene Monomer) jacket. They replace conventional steel cables, weigh less, require less space and run quieter. Thanks to the STM, there is room for the machine and drive directly in the elevator hoistway, allowing hydraulic-sized shafts to be utilized.

#### Inspection and test panel

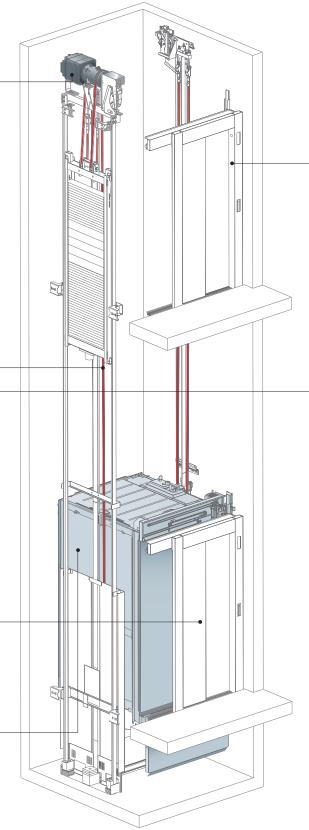
In the Schindler 3300, the inspection and test panel is built directly into a standard door frame at the top landing. This highly functional solution is a vital achievement. It simplifies elevator installation, provides practical handling and saves space. The Schindler 3300 does not require a spaceconsuming machine room or control closet. However, some jurisdictions still require such space. In those areas please contact your local Schindler sales representative for a room or closet solution.

#### Doors

Doors are equipped with a frequency-controlled drive for fast and reliable operations. Two-speed sideopening doors opening to the left or right, as well as single-speed center-opening doors are available.

#### Cab

Technology does not take much space in the Schindler 3300. This is an obvious benefit that allows hydraulic elevator-sized shafts to be utilized while providing a larger cab interior. This is a striking advantage.

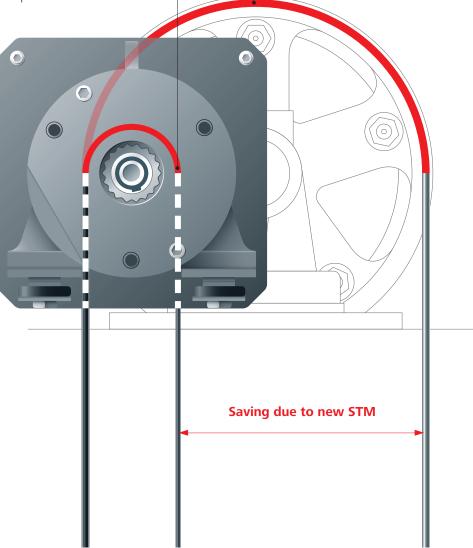


#### **Previously: steel cables**

Steel cables are relatively inelastic. They need a traction sheave diameter of at least 12 inches with the cable diameters required for elevators. The complete conventional motor, including drive gears, must be large enough to match. A system that requires space.

#### New: Suspension Traction Media (STM)

Suspension traction media are flexible. They use a much smaller traction pulley diameter than steel cables. 4.25 inches is enough, requiring a much smaller motor. A design that saves space.



# We put a premium on design, without charging a premium.

All around the world, architects and designers are discovering a new creative outlet. Conceptualized by an Italian designer, the Schindler 3300's sleek cab design is impressive yet understated. Simple, yet refined, with design palettes to suit any style or building décor.

- Cab walls are available in stainless steel, powder coat or a choice of plastic laminates.
- The unique ceiling design comes standard in brushed stainless steel.
- Ceiling lighting comes standard with classic LED round spot downlights. Optional line light fixtures can enhance your elevator design.
- Elegant handrail options include a round design in brushed stainless steel and a rectangular design in brushed aluminum. Both handrail designs are available in cut and return ends.
- Landing doors are available in brushed stainless steel, various colors of durable powder coat or primer. Doors are available in center-opening or side-opening configurations, with left-hand or right-hand openings.
- Hall fixtures are composed of stainless steel and tempered safety glass panels, back-printed in white, to give the Schindler 3300 a contemporary, modern look.



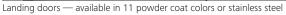
Laminate - Long Beach Blue



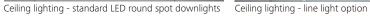
Brushed stainless steel

**Note:** For more information on the high fashion details we designed into the Schindler 3300, be sure to ask for a copy of our Deco brochure, which includes all décor and accessory options. The car specifications, options and colors in this brochure are representative only and are subject to change. Sample shown may vary from the original in color and material.

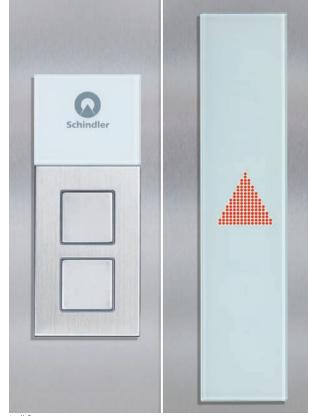












Hall fixtures



Handrail — round, return end



Handrail — rectangular, cut end

## If you can envision it, you can create it

The Schindler 3300 gives you a wide selection of durable powder coat or colorful laminate finishes, as well as a sleek brushed stainless steel cab. Create a look and feel that is truly one of a kind.



Distinctive brushed stainless steel cab is an optional upgrade

#### Powder coated painted walls

Fresh, flashy and multifaceted



Memphis Grey	Montreal Blue	Havasu Beige	Napa Burgundy
Edmonton White	Sarasota Yellow	Tucson Orange	Tupelo Taupe - Primer

Seattle Sprout

Portland Purple

Montreal Blue

Powder coat colors

#### Laminated Walls Warm, distinguished and genuine



Tampa Tangerine

Matte finish laminates with subtle, wavelike design

#### Laminated Walls Clean, cool and cutting edge



Mesa Mercury Glass

Matte or gloss finish laminates with glassy sheen; swatches are a representation of the gloss finish.



#### Steely, sophisticated and elegant



Toronto Grey

Rich, natural and classic

Choose from gloss finish laminates with subtle, monochromatic patterns or a distinctive brushed stainless steel cab.



# Raleigh Blonde Washington Cherry Baltimore Cherry Shaker Heights Cherry Columbia Walnut New York Night

Baltimore Cherry

Matte and gloss finish laminates with rich, wood-grain colors; swatches are a representation of the gloss finish.

## The perfect fusion of peoplecentered design and technology

The features and components of the Schindler 3300 are smartly designed to enhance the rider experience, improve safety and minimize downtime. From the low-energy multiprocessor controls to the stylish, tempered safety glass operating panels, you'll find the latest technological advances.

#### Control

The control system is based on low-energy multiprocessor technology. The compact main inspection and test panel of the decentralized system is integrated in the door frame.

#### **Control functions**

- Miconic<sup>®</sup> NX microprocessor
- On-board diagnostics, self testing
- Light curtain
- Overload detection
- Two-way, hands-free emergency communication
- Firefighter's Service operation
- Independent service
- Automatic car light
- Available automatic evacuation to nearest floor.

#### **Fixtures**

The combination of back-printed white glass and stainless steel give the elevator a contemporary, modern look while meeting all applicable codes. Please refer to our Deco brochure for more information on all decor and accessory options.



## State-of-the-art planning, installation and support



#### Planning

The Schindler 3300 requires no machine room. For you, this means less planning. Only one space, the elevator shaft, has to be designed. Standardized plans simplify the process, making it fast and efficient.

#### Order

The design of the Schindler 3300 is sophisticated, yet simple. The key factors are quickly established. Since there are no complicated specifications, it is easy to place an order. You will quickly and effortlessly find the product that fits your needs.



#### Delivery

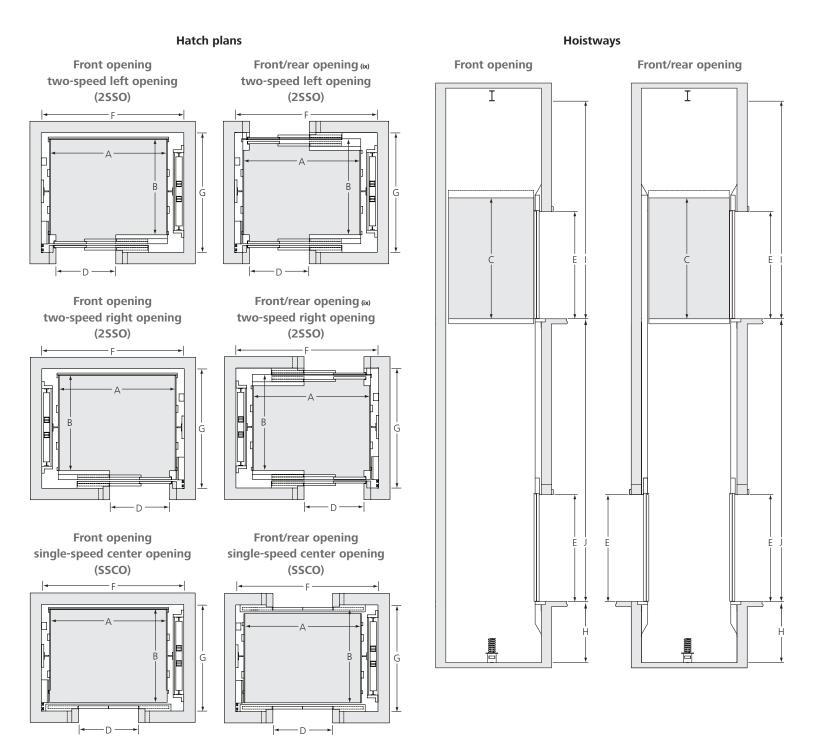
We deliver the Schindler 3300 complete and all at once, just in time for when the building is ready for the elevator installation.

#### Installation

The elevator is quickly installed. No cranes or scaffoldings are required. The system is ready in about two weeks. A well-thought-out process.

## Schindler 3300 MRL Traction Elevator General Purpose

Standard Speeds: 100, 150 fpm (0.5, 0.75 m/s) 16 Openings max Travel: Up to 98'-5" (30.0 m)



For jurisdictions following ASME A17.1 code prior to 2009, please add 1 additional inch of overhead at 150 FPM.

#### Machine room-less traction elevator with frequency-controlled drive

Capac- ity	Passen- gers max.	Speed	Num- ber of stops max.	Avail- able en- trances max.		Car (Inside)		Door			Shaft (Inside)					Travel height max.						
lbs (kg)		fpm (m/s)			A in (mm)	B in (mm)	C in (mm)	Door type	D in (mm)	E in (mm)	Entrance type (x)	F (iii)(vii) ft (mm)	G ft (mm)	H (viii) ft (mm)	l (iv) ft (mm)	J <sub>(vi)</sub> ft (m) / FPM (m/s)						
2100	13	100/150		15	5′-9 <sup>5</sup> /16″		7'-9″	2550	3'-0"	7′	Front	7'-4"(vii) (2235)	5'-9" (1755)	5'-0"	12'-7" (3835)							
(950)	15	(.5/.75)			(1761)				2550 (915) (2134)	(915) (2134)	(915) (2134)	(2366) 2350 (91		2SSO (915) (2134	(915)		15) (2134)	Front/ rear	7'-4"(vii) (2235)	6′-5 <sup>5</sup> /8″	5'-0"	12'-7" (3835)
2500	2500 15	100/150	10	15	6'-9 <sup>5</sup> /16"	′ 4′-4 <sup>7</sup> /8″	7'-9"	2550/		7'	Front or	8'-4" <b>(vii)</b> (2540)	5'-9" (1755)	5'-0"	12'-7" (3835)	98'-5"						
(1135)	15	(.5/.75)		15	(2066)	(1343)	(2366)	SSCO		Front/ rear	8'-4"(vii) (2540)	6'-5 <sup>5</sup> /8"	5'-0"	12'-7" (3835)	(30.0) / 150 (.75) 59' (18)/100 (.5)							
3000	18	100/150	10	15	6'-9 <sup>5</sup> /16"	4'-10 <sup>7</sup> /8"	7'-9″	2SSO/	3'-6"	7′	Front or	8'-4"(vii) (2540)	6'-3" (1905)	5'-0"	12'-7" (3835)	( - / ( - /						
(1360)	10	(.5/.75)			(2066)	(1495)	(2366)	SSCO	(1067)	(2134)	Front/ rear	8'-4"(vii) (2540)	6'-11 <sup>5</sup> /8″	5'-0"	12'-7" (3835)							
3500	21	100/150	10	15	6'-9 <sup>5</sup> /16"	5′-6 <sup>7</sup> /8″	7'-9″	2SSO/	3'-6"	7′	Front or	8'-4"(vii) (2540)	6'-11 <sup>1</sup> /16″	5'-0"	12'-7" (3835)							
(1590)	21	(.5/.75)			(2066)	(1699)	(2366)	SSCO	(1067)	(2134)	Front/ rear	8'-4"(vii) (2540)	7'-7 <sup>5</sup> /8″	5'-0"	12'-7" (3835)							
					B Insid C Insid unde [Insid finis]	le cab width le cab depth le cab heigh erside of roc de cab heigh hed ceiling i <sup>3</sup> /16" (2265).	n ht to of. ht to s	2SSO 2-speed side opening (i) SSCO Single speed center opening <b>D</b> Door Width <b>E</b> Door Height				G Sha H Pit	aft width aft depth depth erhead									

Capacity 2100 - 3500 lbs, 13 - 21 passengers

#### Notes:

All dimensions are for information only and cannot be used for construction purposes without Schindler confirmation.

(i) 2SSO doors available with right or left opening.

(ii) Duplex operation available.

(iii) Areas in seismic zone 2 or greater may require up to 3 1/2" more hoistway width. Please contact your Schindler Sales Representative for details and options.

(iv) Clear overhead is defined from the lowest point below any obstruction such as: hoist beam(s), building beams, or roof structure to floor of top landing. For jurisdictions following ASME A17.1 code prior to 2009, please add 1 additional inch of overhead at 150 FPM.

(v) Where permitted by code, no control closet is required. A 3-phase disconnect must be located in both the hoistway overhead and a location in the building outside of the hoistway. 110v disconnect should be located outside of hoistway. Disconnects are not required to be an elevator-dedicated space. Please confirm with local requirements.

(vi) Travel height max. varies depending on speed (FPM) and capacity (lbs).

(vii) Schindler recommends 8'-6" (2500 - 3500 lbs) and 7'-6" (2100 lbs), providing additional hoistway tolerances.

(viii) Please contact your Schindler Sales Representative for options less than 5'-0.

(ix) Please contact your Schindler Sales Representative for additional hatch options such as diagonal entrances.

(x) Shaft dimensions depend on if there are front or front/rear entrances.

## Schindler 3300 MRL Traction Elevator General Purpose

Standard Speeds: 100, 150 fpm (0.5, 0.75 m/s) 16 Openings max Travel: Up to 98'-5" (30.0 m)

#### **General requirements**

Requirements for installation vary by type of equipment selected. These general requirements assist you in preparing your building for the installation of Schindler elevators. All designs, clearances, construction, workmanship and materials, unless specifically excepted, shall be in accordance with the requirements of the latest published ASME A17.1 Code for electric traction elevators plus applicable building code and local codes. State or local requirements must be used if more stringent.

**Items to be provided** — A complete installation includes the following items not included in the elevator contract:

- Clear, plumb hoistway, with variations on a minimum dimension hoistway not to exceed -0" and +1" (25.4 mm) per side at any point. Tolerance may increase to variations not to exceed -1" (-25.4 mm) and +1" (25.4 mm) per side at any point when an additional 2" (50.8 mm) is provided on the hoistway width dimension.
- 2. Two-hour fire resistance of hoistway walls or rating to meet applicable local codes. 75° bevel guards on all projections, recesses or setbacks over 4" (102 mm) except on side used for loading or unloading. The overhead machinery space temperature at top of hoistway to be maintained between 41° F (5° C) and 104° F (40° C) and < 95% relative humidity, non-condensing.</p>
- 3. Supports for rail brackets at pit, each floor and one or two locations above top floor in the overhead (application dependent). Divider beams between hoistways at each floor level and one or two locations above top floor in the overhead for guide rail bracket supports. Locate per layout. For masonry block hoistway construction, Schindler will provide rail bracket inserts for installation by others, located per the Schindler final layout drawings. Where inserts are not used, hollow masonry blocks are not acceptable for bracket fastening. Provide 125 mm (5") concrete belt around hoistway or other acceptable support at each floor, in overhead, and intermediate levels (if required). For max. rail bracket vertical spacing, contact your local sales representative.
- Supply hoist/safety beam for elevator construction and service work. Beam to run across the width
  of the elevator shaft. Locate per layout. Hoist beam to be left in place after elevator installation.
- 5. A temporary work platform is required for installation. It is to be constructed at the top floor of each elevator. It must comply with applicable governing codes and regulations. The platform shall be securely fastened to the building structure. Erection, maintenance, and removal are by others. (Reference Schindler drawing TD440.)
- Lighting, light switch and duplex receptacle (GFCI) for each elevator, in the center of hoistway
  pit and in the elevator overhead/machinery space, as indicated by Schindler. The pit light switch
  located adjacent to access door.
- 7. Recesses, supports, and patching, as required, to accommodate hall button boxes, signal fixtures, etc. (if required).
- 8. All barricades outside elevator hoistways or between elevators inside hoistways.
- 9. Dry pit reinforced to sustain normal vertical forces from rails and buffers.
- 10. Drains & sumps in elevator pits, where provided, shall comply with the plumbing code, and shall be provided with a positive means to prevent water, gases and odors from entering the hoistway. The cover must be secured and level with the pit floor and located to clear elevator equipment. (Cannot be connected directly to storm drain or sewer.)
- 11. Pit ladders shall be provided where required.

#### Inspection and test panel

- A switch placed adjacent to the jamb-mounted inspection and test panel enclosure shall control lighting in front of the panel. Minimum lighting to be 200 lux (19 fc).
   A lockable, 13 <sup>1</sup>/<sub>2</sub>" x 15 <sup>1</sup>/<sub>2</sub>" x 3 <sup>1</sup>/<sub>2</sub>" (minimum), metal cabinet with group-1 key to house required
- 13. A lockable, 13 <sup>1</sup>/2" x 15 <sup>1</sup>/2" X 3 <sup>1</sup>/2" (minimum), metal cabinet with group-1 key to house required electrical schematics and maintenance history documents, shall be wall mounted, adjacent to the disconnect switch, by others, at the top landing. The supplier, location, and mounting of the cabinet shall be coordinated with Schindler.
- 14. Provide, preferably on the same floor as the elevator inspection and test panel, a lockable panel with a fused disconnect switch or circuit breaker suitable for 3-phase power for the elevato control, and a fused disconnect switch or circuit breaker for car lighting for each elevator in a separate lockable panel adjacent to the 3-phase panel or within the 3 phase panel. The panel(s) must be accessible to gualified personnel only (NEC NFPA reg. 620.51[C]) with a Group 2 key (ASME A17.1 req. 8.1.3). Alternative locations for the panel(s) can be considered, provided they are located in accessible areas without obstructions to qualified personnel in compliance with NEC NFPA req. 620.51(C). Locate and mark the panels and disconnects with appropriate signage, (NEC NFPA 70 req. 620-22 and 620-51, or CSA C22.1-02 sections 38-022 and 38-053). The disconnects or circuit breakers may also be located without panels in a Group 2 key-secured room identified and dedicated to elevator apparatus only, and in all cases must be capable of being locked in the open position with a lock that cannot be removed from the devices or panel(s). FOR DRIVE IN HOISTWAY CONFIGURATION ONLY: Electrical contractor to supply an additional lockable auxiliary non-fused disconnect in the hoistway at the location of the drive (motor controller), along with wiring from the main disconnect to the auxiliary disconnect (see also NEC NFPA 70 - 2008 req. 620.51[C]{1}). This disconnect must also be lockable in the open position with a secured lock that cannot be removed from the device.

15. For ALL power circuits:

- a. If a sprinkler head is located in the hoitway or other disconnect location, any disconnect served by that sprinkler head must be NEMA 3 compliant. Sprinklers shall be located at the top and bottom of the hoistway per NFPA 12-2010 requirement 8.15.5.6 (see also 8.15.5.3) and A.8.15.5.3).
- b. In U.S. jurisdictions ONLY, when a sprinkler head is located in the hoistway, the building shall provide shunt trip activation of a) JH, the main disconnect or b) the feed to the main disconnect, triggered by contacts of the fire recall initiating devices (as defined by NFPA). These devices, located in the hoistway or other disconnect location, shall provide independent disconnection of electrical power to both main and auxiliary power circuits prior to sprinkler activation (ASME A17.1-2007/CSA B44-07 rule 2.8.3.3. and/or local code).

#### Control spaces (When specified in lieu of an Inspection and Test Panel, a partial or full body entry space/room shall be provided.)

- Enclosed and protected control space at top landing adjacent to the hoistway wall closest to the elevator hoist machine. Two-hour fire rating of control space walls or rating to meet applicable local codes.
- 17. Provide fire-rated, self-closing, self-locking door. Door must be capable of opening 180 degrees for access to control space.
- 42" (1067 mm) minimum clear space is required in hallway in front of control space door and top hoistway entrance for service barriers. Additional hallway width may be required, subject to local building, fire and ADA codes.
- 19. The temperature in front of the control space must be maintained between 32° F (0° C) and 104° F (40° C) and less than 95% relative humidity, non-condensing, for proper operation of equipment.
- Disconnects for each elevator must be provided per National Electrical Code (NFPA No. 70) and located inside the elevator control space.

#### Other wiring

- 21. Suitable copper feeder, ground and branch wiring circuits for signal system and power operated door. Feeder and branch wiring circuits for car light and fan.
- 22. Telephone outlet provided at the inspection and test panel or in control closet (where applicable).23. All conduit and wire runs remote from either the control space or hoistways (if required).
- Heat, smoke or products of combustion-sensing devices connected to elevator control space terminals when such devices are required. Sprinklers shall be located at the top and bottom of the hoistway per NFPA 13-2010 requirement 8.15.5.6 (see also 8.15.5.3 and A.8.15.5.3). Shunt trip circuit breaker shall also be installed when sprinklers are present in the hoist way.

#### Emergency provisions

- Elevator Firefighter's and other emergency services, depending on height of the building or number of landings, per ASME A17.1 Rule 2.27.3 and local codes.
- 26. Elevator Firefighter's and other emergency services' wiring and interconnections to automatic sprinkler systems or heat and smoke-sensing devices furnished by others.
- 27. When emergency/standby power operation of elevators is required, the Electrical Contractor should coordinate with Schindler for operation requirements.
- Provisions for earthquake protection, dictated by building code, are required in various sections of the country.

#### Entrances

- 29. Hoistway walls must have a fire rating per ASME A17.1 Rule 2.1.1.1.
- 30. Furnishing, installing and maintaining the required fire rating of elevator hoistway walls, including the control spaces and also the penetration of fire wall by elevator fixture boxes (if applicable), is not the responsibility of the elevator contractor.
- 31. The interface of the elevator wall with the hoistway entrance assembly shall be in strict compliance with the elevator contractor's requirements.
- 32. Entrance wall and finished floor are not to be constructed until after door frames and sills are in place.
  - a. Where front walls are of reinforced concrete, the concrete openings must be minimum 16" (406 mm) wider [8" (203 mm) on each side] and 8" (203 mm) higher than the clear opening.
  - b. Where drywall or sheet rock construction is used for front walls, it shall be of sufficient strength to maintain the doors in true lateral alignment. Drywall contractor to coordinate with the elevator contractor.

Note: A support member must be provided for floor heights greater than 15'-0" (4572 mm) to support entrance header struts.

- c. Door frames are to be anchored to walls and properly grouted in place to maintain legal fire rating (masonry construction).
- 33. Filling and grouting around entrance by others.
- 34. Where openings occur, all walls and sill supports must be plumb.

## Seamless connectivity Made for today. Ready for the future.

With Schindler Ahead, we turn data into results for customers and passengers.

Schindler Ahead is a cloud platform. Using 4G connectivity, this closed-loop digital platform allows your connected equipment to become part of the Building Internet of Things (IoT). Secure, automated data collection and real-time analytics provide insights that allow for predictive maintenance, equipment visibility, maximized uptime and more accurate capital planning. Building owners, facilities managers and passengers can have the relevant information they need, when they need it.

To learn more about Schindler Ahead, visit **schindler.com/ahead-us.** 



#### Key benefits of Schindler Ahead

- High reliability and uptime improves overall building performance
- Insights about component lifetime allow for better mid-term planning of repairs and modernizations
- Complete digital documentation of equipment portfolio
- 24/7 digital emergency service
- Increased building value by connecting to Internet of Things
- Cost-saving solutions with service guarantees and removal of phone line

- High reliability and uptime with fast reaction times, thanks to predictive maintenance
- Real-time information on equipment status and performance
- Full transparency on status of maintenance activities, due to push notifications via app, text, or email
- Reduced wait times and increased reliability lead to potential improvements in the passenger experience
- Regular status updates about equipment and maintenance work via the app, text, or email
- Increased convenience thanks to interactive and personalized information



Schindler – We Elevate

For more information, including the location of the Schindler office nearest you, please visit:

U.S. Headquarters. Morristown, New Jersey Tel. 973.397.6500 www.us.schindler.com

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Schindler has received renewal to ISO 9001 and ISO 14001 certificates.

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