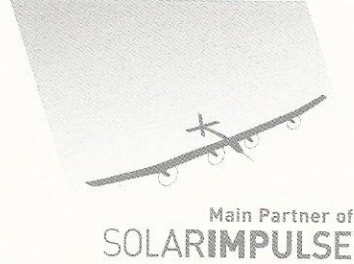


**Schindler Elevator Corporation**  
2901 East Park Avenue  
Suite 1900  
Tallahassee, FL 32301  
(850) 422-2258  
Fax: (850) 422-2278  
Cort.Mccord@us.schindler.com



**Schindler**

April 28, 2015

Estimator

**Opportunity ID: 6431-N-0200270773**  
**Project: Community Leadership Academy**  
**Location: Tallahassee, FL 32310**

Gentlemen:

Schindler Elevator Corporation is pleased to submit our Budget Proposal to furnish and install One (1) Holeless Single Jack Model 330A Hydraulic elevator for the price of \$43,000.00

The above pricing is based on our attached Specification Summary Sheets, Elevator Specifications and Architectural Drawings were not provided. Please find our clarifications/exceptions:

We offer our proposal with the following clarifications:

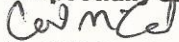
- Quote based on two (2) front openings in-line.
- We are providing our standard hall and car signal fixtures.
- Quote based on our standard holeless application. A jack hole is not required.
- An elevator machine room is required and we assumed the elevator hoistway is located at the first floor adjacent to the elevator hoistway. Schindler will provide a separate price to accommodate a remote machine room if required.
- All corridor fixtures are installed in the elevator entrance jamb. No interface (block outs or cutouts) is required with finish front wall construction.
- Pit ladder provided and installed by others.
- Schindler supplies an integral sill system, which eliminates the contractor providing sill angles.
- All grouting if required by others.
- Cab flooring by others.
- We will be providing a 2100# capacity elevators at 100 FPM elevator in the base bid.
- We will be providing 3'0" wide x 7'0" high Single Speed Side Opening hoistway doors and frames. Finishes for all hoistway doors and frames will be Baked Enamel.
- Hoistway size required is 7'4" wide inside clear x 6'0" deep inside clear.
- We will require our Contract Review Specialist to review your subcontract if we are selected to provide the elevators proposed.
- Elevator hoistway overhead requires a minimum of 12'4" of overhead clearance to the hoistway beam provided and installed by others.
- Bid based on hoistway travel of 10'8".
- Quote based on Owner providing 208 volts/3 Phase/60H power.
- Proposal based upon mutually agreeable schedule.
- Elevator machine rooms are required to have conditioned air by others.
- Finish flooring by others.
- Sump pump to be provided and installed by others.
- We have included Twelve (12) months of free service/warranty per the elevator specifications after the elevator is turned over on final acceptance.
- We have included our standard elevator warranty, which begins when the elevator is final accepted.
- The cost for temporary service for the hydraulic unit is \$25.00 per day(30 day minimum) plus \$1,500 for clean down after temporary usage is completed. Additional travel time for our crew and any repairs necessary due to any damage to the equipment caused by others during temporary usage will also be reimbursed to Schindler elevator. This cost is not included in the base bid. The temporary monthly inspection fee for the Third Party Inspector is typically \$200.00-\$300.00 per elevator/month for the inspector, which is also not included in our base bid. The GC will have to pay the inspector his fee directly. Cab and entrance protection provided and installed by the GC during temporary usage.
- Any remobilization of fees for our crew that is required due to the failure of others will be \$1,500 plus travel and expenses.
- Any Re-Inspections with the Third Party Inspector due to the failure of others will cost \$1,200 plus any travel and expense costs.

- Should elevator storage be required, Schindler will store your elevator in a bonded 3<sup>rd</sup> party storage facility for you at no charge for up to two (2) weeks. In the event the jobsite is not ready and if storage if the elevator equipment for this job exceeds this two week period, you agree to pay the storage cost of \$850.00 for the first week and \$350.00 for each subsequent week. The Hub will store the material for up to 90 days. If the site is not ready past the 90 day period, we will be required to deliver to the Project site and charge a \$1,500 remobilization fee if the equipment installation cannot be scheduled at that time. A formal change notice must be processed for all storage fees prior to delivery to the project site.
- Please note that our price is valid for 45 days due to the volatility of carbon steel and specialty steel prices.
- Elevator will be released into production upon field verifying all measurements.
- Please see attached our standard work by others page and our Specifications Summary page.

For your convenience, we will provide you with an invoice equal to 35% of the above price upon acceptance of our proposal. Payment of the initial invoice is a condition precedent to production of materials.

Lead times- 1-2 weeks for approval drawings, once approved drawings and executed contract is returned.

Respectfully submitted,



Cort McCord

Schindler Elevator Corporation

# Schindler Elevator Corporation

## Hydraulic Elevator Specification Summary

Community Leadership Academy  
123 Main St  
Tallahassee, FL 32310

### Project Information:

Opportunity ID: 0200270773-A-A  
Unit(s) in Estimate: 01  
Units in Bank: 01  
Product Code: 113  
Sales Office: 6436  
Installation Office: 6431

### Sales Rep Information:

Cort McCord  
2901 East Park Avenue  
Suite 1900  
Tallahassee, FL 32301  
Phone: (850) 422-2258  
Fax: (850) 422-2278  
Cort.McCord@us.schindler.com

<b>Product:</b>	Schindler 330A (TM)	<b>Opening Size:</b>	3 Ft. 0.00 In. X 7 Ft. 0.00 In.
<b>Application:</b>	330A Holeless Single Jack	<b>Cab Height:</b>	8 Ft. 0 In.
<b>Platform Type:</b>	General Purpose	<b>Cab Type:</b>	125-Cab with Hung Panels
<b>Capacity:</b>	2100 Lbs	<b>Pit Depth:</b>	4 Ft. 0.000 In.
<b>Speed:</b>	100 FPM	<b>Overhead:</b>	12 Ft. 5.000 In.
<b>Travel:</b>	10 Ft. 8.000 In.	<b>Platform Width:</b>	6 Ft. 0 1/4 In.
<b>Future Travel:</b>	None	<b>Platform Depth:</b>	5 Ft. 4 In.
<b>Stops:</b>	2 (2 Front / 0 Rear)	<b>Hatch Width:</b>	7 Ft. 4.000 In.
<b>Doors:</b>	Single Speed Side Opening	<b>Hatch Depth:</b>	6 Ft. 0.000 In.
<b>Power Supply:</b>	208 Volts 60 Hz 3 Phase	<b>Seismic Equipment:</b>	N

<u>Cab:</u>	<u>Features:</u>	<u>Entrances:</u>
<b>Cab Panels:</b> Plastic Laminate M999	Follow IBC - 2012	Emergency Escutcheons
<b>Cab LH Wall:</b> Baked Enamel E999	Audible Gong (Std)	<b>Doors:</b>
<b>Cab RH Wall:</b> Baked Enamel E999	Low Oil Bypass (Std)	(2) Baked Enamel E999
<b>Cab Rear Wall:</b> Baked Enamel E999	Infrared Door Protection (Std)	<b>Frames:</b>
<b>Cab Base:</b> None	Phase Monitor Relay (Std)	(2) Baked Enamel E999
<b>Base, Frieze, Reveal:</b> None	Independent Service/HES (Std)	<b>Sills:</b>
<b>Front Return, Transom:</b> #4 Stainless Steel	Soft Start	(2) Aluminum
<b>Cab Doors:</b> #4 Stainless Steel	Adjacent Machine Room	<b>Sill Mounting:</b>
<b>Canopy:</b> Gettysburg	Shutoff Valve Qty: 2	(2) Easy Match
<b>Ceiling:</b> SC02 Removable Flat	Muffler	
<b>Cab Threshold:</b> Aluminum	QKS16 Door Operator	
<b>Handrail Type:</b> Round 1 1/2"	9 Pound Rails	
<b>Handrail Finish:</b> #4 Stainless Steel	Keyed Emergency Stop Switch	
<b>Handrail Location:</b> Rear	Top Exit Switch	
<b>Handrail Row Qty:</b> 1	ADA Compliant Phone	
<b>Platform Recess:</b> 0.375	Sliding Guide Shoes	
<b>Protective Pads:</b> None	1 Speed Fan	
<b>Protective Pads Source:</b> None	2 Hoistway Access Switches	
<b>Cab Finished Floor:</b> Carpet By Others	Firefighter's Service Phase 2	

### Cab Fixtures:

**Type:** HT  
**Finish:** Black Lexan with #4 Stainless Steel  
(1) L.E.D. Car Position Indicator  
1 Main COP  
Locking Service Panel  
(1) Car Lantern(s)  
Certificate Frame

Class B Fire Rating For Cab  
Larger Tank  
Top Exit Guard  
Pressure Switch  
Pit Ladder Source: GC

### Hall Fixtures:

Hall Fixtures Type:  
HT-Jamb Mounted  
Hall Fixtures Finish:  
(2) #4 SS Push Buttons  
(1) Separate FER Switch

### New Product Service:

12 Months, 8 Hours Callback

**This bid is subject to change after forty-five (45) days.**

Visit Our Website at [www.us.schindler.com](http://www.us.schindler.com)

04/28/15

10:50AM

2015.2

04/28/2015

**Schindler Elevator Corporation**  
**Preliminary Hydraulic Elevator Power Data**

**Opp ID:0200270773-A-A-01**

Community Leadership Academy  
 123 Main St  
 Tallahassee, FL 32310

**Unit(s):** 01  
**Product Code:** 113  
**Sales Office:** 6436  
**Installing Office:** 6431

**Capacity:** 2100 lbs  
**Speed:** 100 fpm  
**Travel:** 10 ft. 8 in.

<b>LOCAL UTILITY</b>			
SUPPLY CHARACTERISTICS	208 Volts	3 Phase	60 Hertz (cycles/second)
	Balanced Line to Neutral with ground.		
BUILDING SERVICE	Voltage fluctuation of the building service provided by the local utility shall be within +10% to -8% of the specified supply voltage. Maximum phase to phase fluctuation shall be $\pm 3\%$ .		
<b>CONTRACTOR – SPECIFICATIONS, RECOMMENDATIONS, AND DATA</b>			
POWER FEEDERS	Electrical Contractor to supply feeders and ground of copper conductor and circuit protective devices from the building service to our controller, in compliance with local code requirements, along with <b>Ground Fault Protection</b> as required per NEC 620-61. Maximum wire size used by electrical contractor in our controller shall be 1/0AWG.		
	Sprinkler System Note: Schindler Elevator does not provide any elevator control-circuitry for ASME A17.1 Rule 102.2(c)(4). When required, independent disconnection of electrical power <u>prior</u> to sprinkler activation is by other contractors, and must be done in a manner that is acceptable to local jurisdictions.		
PERMISSIBLE VOLTAGE DROP	Not to exceed 3% under any condition in the feeders within the building from the building service provided by the local utility to the motor connection in our controllers.		
MOTOR RATING	15 Horsepower Elevator Type Motor (80 starts/hour) This equipment is used for an intermittent elevator duty cycle. Requirements of the National Electric Code for a 30 and 60 minute motor may be used for sizing conductors provided the permissible line drop in preceding paragraph is not exceeded. On an intermittent basis 18.4 HP can be developed at full car capacity for 3.7 seconds.		
CURRENT VALUES	Per Car Per Terminal (typical motor supplier data) Motor nameplate rated current at rated horsepower = 52.0 amps. rms. Motor locked rotor current for solid state (soft start) starting = 156.0 amps. rms. Single phase control load on main supply is 1.44 amps. rms.		
SERVICE SWITCH	Motor Code Letter 'C' for solid state (soft start) starting. For each car, we recommend a fused disconnect switch. The switch should be three pole 100.0 ampere with 80.0 ampere dual element fuses. For optional anti-entrapment/battery-lowering device (when specified) one normally open auxiliary contact per car is required. Additionally, a dry contact (N.C.) of the GFI would be needed (both are provided by others).		
PANELBOARD BREAKER	The Electrical Contractor shall be responsible for any inverse time circuit breakers used in place of or between the service switch and the building service. There should be a motor control type suitable for 80 starts/hour service and capable of withstanding locked rotor current and any asymmetric switching transients. Refer to local Sales Office.		
AUXILIARY FEEDER	One Supply per Car Controller for Car Lights and Fan per NEC 620-22. Also, a lockable disconnect is required per NEC 620-53.		
	120 Volts	1 Phase	60 Hertz 15 Amps
CONVENIENCE FEATURES	Light, light switch and convenience outlet(s) in each elevator pit and/or machine room are to be provided by the General Contractor. Each 125-volt, single-phase, 15- and 20-ampere receptacle must each be of the ground-fault circuit-interrupter (GFI) type per NEC 620-85. Note: ANSI A17.1-2000 now requires the lighting in the machine room to be a minimum of 200 Lux (19 ftc) and the minimum lighting in the pit to be 100 Lux (9.3 ftc). The machine room and pit lighting are subject to NEC code rules 620-23, 620-24 and local code requirements.  Provide dedicated analog telephone line with outlet at each elevator control that is capable of outgoing and incoming calls for emergency phone system.		
HEATING AND COOLING	The machine room temperature must be controlled in order to maintain ambient room temperatures of 55 to 90 degrees Fahrenheit. Heating or cooling may be required to maintain the minimum or maximum temperatures. Acceptable humidity level in the machine room shall be maintained at 95% or less non-condensing. The heat emission of the pump unit is 4,645 BTU/Hr with normal load cycle conditions.		
UTILIZATION EQUIPMENT FEEDERS	Additional branch circuits, other than the lighting feed, shall be provided to supply other equipment such as displays, intercoms, TVs, etc., as required per NEC 620.25 and 620.55.		
SMOKE DETECTOR NOTES	The Building Smoke Detector system, required for firefighters service A17.1-2000 2.27.3.2(ASME Rule 211.3b), shall provide a normally closed contact that opens on activation.		
	By: _____ Date: _____ Time: _____		

Visit our website at [www.us.schindler.com](http://www.us.schindler.com)

Holeless - Front Mounted Jack - Right Hand Door

Opportunity ID 0200270773 A A

4/28/2015

**JOB NAME** Community Leadership Academy

**ADDRESS** 123 Main St

Tallahassee FL 32310

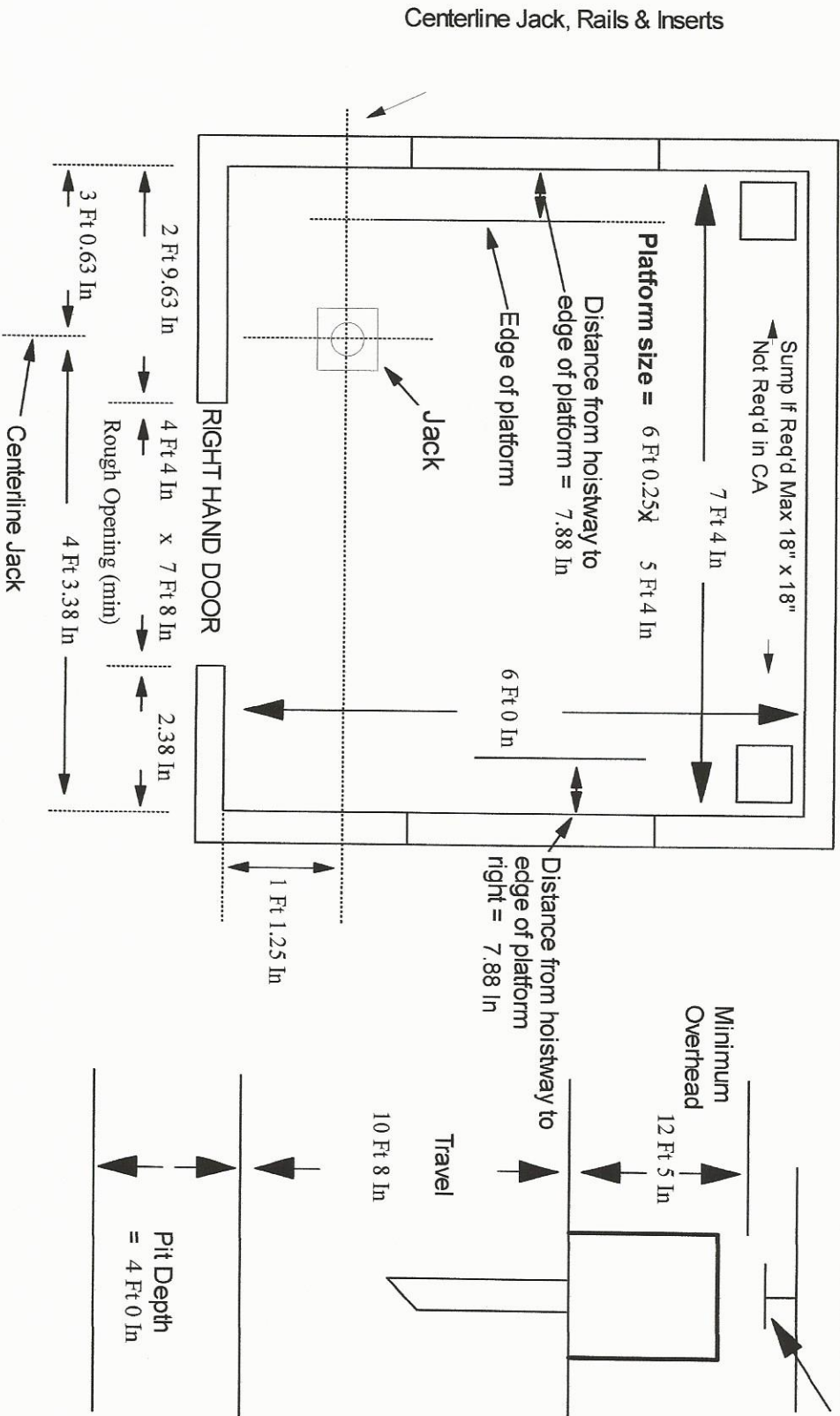
**NO** 01

**CAPACITY** 2,100 LBS

**SPEED** 100 FPM

Hoist Beam By Others

Consult Schindler Sales Representative When Required



**NOT TO SCALE**



Clear Entrance Frame Opening = 3 Ft 0 In x 7 Ft 0 In  
(Please see Schindler shop drawings for exact rough masonry opening position)

## PROPOSAL CONDITIONS

This Proposal is made subject to the following conditions:

Quotations are subject to change after 45 days.

A mutually agreeable form of contract (fully executed before a manufacturing date can be established in our factory) which includes the following provisions:

Our indemnity obligation will be limited to the extent of our negligence.

We will warrant our work hereunder for one year from completion or acceptance for beneficial use, whichever is earlier. Such express warranty will be in lieu of all other warranties, express or implied, including any warranties of merchantability or fitness for a particular purpose, and our sole obligation under the warranty will be to correct any nonconformance within a reasonable time following notice.

We will not be liable in any event for direct damages in excess of the amount of our Subcontract, whether in contract or in tort, nor in any event for special, indirect, consequential or liquidated damages of default or delay.

The purchaser agrees to accept in satisfaction of insurance requirements for the project a standard Schindler Certificate of Insurance with "per occurrence" limits not to exceed \$2 million. Schindler will not name additional insureds.

Schindler will participate as an insured in an OCIP/CCIP (Owner's / Contractor's Insurance Program), provided it is at no cost to Schindler, and under such circumstances we will provide additional insured coverage for offsite operations and auto liability only.

Partial waivers of lien for payments received by Schindler will be issued on a mutually agreeable form if the Purchaser so requests in writing. Schindler shall issue a full waiver of lien on a mutually agreeable form after the receipt of all monies to which it is entitled under this Agreement if the Purchaser so requests in writing.

Agreeable terms of payment shall be established in accordance with the following payment schedule: 35% of the above sum upon presentation of initial invoice; 95% progress payments based upon work in place and materials delivered and stored on or off site; balance within 30 days of completion of work hereunder. Payment of the initial invoice is a condition precedent to manufacture of materials. Payment of at least 95% is a condition precedent to equipment turnover.

Work shall be performed by Schindler during regular working hours on regular working days, and overtime by Schindler will be compensated at Schindler's standard rates.

We shall not be liable for any loss, damage, detention or delay, due to any cause beyond our reasonable control or caused by fires, floods, labor troubles, strikes, lockouts, civil or military authorities or government regulations or restrictions or, in any event, for consequential damages. Dates for the performance or completion of work shall be extended to the extent of such delays.

In the case of delay in construction, you agree to pay for off-site storage of equipment and additional handling should on-site storage not be available. Our price assumes one mobilization. You agree to pay any other increase in cost resulting from delays in construction.

If an inground borehole is required to accommodate the jack unit, our bid shall be based on the assumption that the hole is drilled in normal uncontaminated soil, sand or gravel, using a truck mounted drilling rig. Adequate access will be provided for this rig. Should latent or concealed conditions be encountered in the performance of the work below the surface of the ground or should concealed or unknown conditions in an existing structure be at variance with conditions indicated by the contract documents, or differ materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this contract be encountered, we will be compensated for all additional costs for labor and material to overcome such obstacles. The additional costs shall be the difference between our estimate for the bid and our actual cost incurred and shall be billed at our standard billing rate. The time to complete the installation shall be extended to include the additional time required to overcome these obstacles while drilling the hole.

Satisfactory reference as to credit must be furnished including bank and bonding company references.

You agree to pay, as an addition to the price stated herein, the amount of any tax, or increase of any tax, based upon the sale, use, ownership or possession of equipment imposed by any law enacted after the date of this proposal. or imposed upon you by any existing law.

If the work for the above project does not proceed for any reason, we will be paid for costs incurred plus a reasonable mark-up for overhead and profit.

Any proprietary material, information, data or devices contained in the equipment or work provided hereunder, or any component or feature thereof, remains our property. This includes, but is not limited to, any tools, devices, manuals, software (which is subject to a limited license for use in this building/premises/equipment only), modems, source/ access/ object codes, passwords and the Schindler Remote Monitoring feature ("SRM") (if applicable) which we will deactivate and remove if the Agreement is terminated.

Schindler BIM, Building Information Models, contain proprietary information and are provided solely for the purpose of demonstrating the general characteristics of an installation. Such models serve as a generic representation of the product and should not be considered or utilized as a substitute for construction documents/ specifications. Parameters are included in the models, and accordingly, Schindler will not support or sanction changes beyond the standard modifications.

### Preparatory Work

You agree to furnish the following in compliance with all local and state regulations in sufficient time in order not to delay the installation:

It is understood that the hoistways are to be prepared and properly enclosed, wiring is to be brought to our controller and other conditions, met, as noted in this proposal.

Sufficient data within thirty days after entering into the contract, including guarantee of the hoistway or wellway sizes and current characteristics to permit manufacture of all parts of the equipment.

A legal hoistway or wellway plumb from top to bottom within a variation of one inch per one hundred feet, and provided with sufficient clearance at the top and bottom of the shaft for proper installation of machinery, inside edge of door sill supports shall be parallel, level and plumb from the center line of the hoistway, with allowable variation of one quarter inch.

Suitable machine room of adequate size for the equipment, including proper ventilation, concrete floors or metal gratings and concrete foundations.

A pit of adequate depth provided with the necessary drains and waterproofing.

Adequate supports to carry the load of all equipment, including loads imposed by machine beams or overhead sheave beams, rail brackets, buffers, etc., as shown on our drawings.

Suitable connections from the power mains to our controller, plus necessary cutouts, line switches, lightning arresters, etc., as required to meet your local requirements.

Electric power of the same characteristics as the permanent supply for construction, testing and adjusting. Outlets at the center of hoistway for lighting the car.

All cutting, patching and chasing of walls, beams, masonry, plastering work and painting, together with all repairs made necessary by such work.

Protection to hoistway or wellway during time equipment is being installed.

### Temporary Use

If you require the use of an elevator prior to final completion, you agree to pay for any and all labor and material required and will sign, and be bound by the terms of, our Temporary Acceptance Form. You will pay any costs of power and operation and return the equipment to the same condition.

You also agree that the completion schedule for any such unit will be extended for the period of time necessary to complete installation and make final adjustments, during regular working hours, and that we will have uninterrupted use for this purpose and will be compensated for any work outside regular working hours.

Schindler Bid Clarifications - Preparatory Work by Others For Hydraulic Elevators.

Negotiation: Community Leadership Academy

Date: April 28, 2015

Main Partner of  
**SOLARIMPULSE**



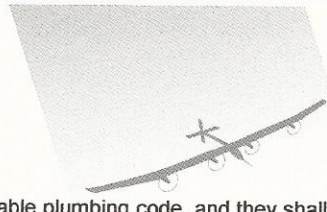
**Schindler**

For delivery and installation dates please look at the specifications summary.

Installation work shall be performed during regular working hours of regular working days after hoistway(s) and machine/control room(s) have been properly prepared as described in the following items. All items must be performed or furnished at no cost to Schindler Elevator Corporation ("Schindler") by the Owner or General Contractor or their agents in accordance with all governing codes. The price and installation schedule of Schindler is based on these job-site conditions existing at the beginning and during the installation of the elevator equipment.

All work must be performed per the latest applicable revision of the national (ASME A17.1 or CSA B44) and/or local codes.

1. Clear, plumb, hoistway with variations not to exceed +/- 25mm (+/- 1") within the first 30.5m (100ft). Tolerance may increase +/- 0.8mm (1/32") for each additional 3.05m (10ft) up to a maximum of +/- 50mm (2"). Pit floor to be dry, level, free of bumps and debris. Hoistway enclosure to be fire rated per national code requirements and applicable building codes (rule 2.1.1 in cars following ANSI 2000 or greater or rule 100.1 for less than ANSI 2000). Hoistway, pit, and overhead dimensions to be as specified on Schindler final layout drawing.
2. Acceptable material unloading area within 30.5m (100ft) of hoistway with "rollable" access (planked or paved) or uninterrupted use of a crane or forklift and operator at no cost to Schindler. Dry and enclosed storage area of adequate size for elevator materials near hoistway. Any warranties provided by Schindler for elevator equipment are null and void if equipment is stored in a manner that does not comply with the requirements as defined above.
3. Power for construction adjacent to hoistways and machine/control rooms (110/220 volt, single phase, for welders and hoists) and sufficient 3-phase power to run elevator(s) at the same time. Refer to Schindler Power Supply Data sheet. To meet the date upon which the elevators are to be turned over, the power for construction and permanent 3-phase power must be installed and available prior to the start of elevator installation.
4. All work areas, including hoistway, machine/control room and pit, clear of debris. Maintain minimum temperature of 13°C (55°F). Adequate work area in front of ground floor entrance required. Proper lighting of work areas.
5. 75° bevel guards on all projections, recesses or setbacks over 100mm (4"), except on side used for loading/unloading.
6. Provide venting of the hoistway per national code requirements and applicable building codes (rule 2.1.4 in cars following ANSI 2000 or greater or rule 100.4 for less than ANSI 2000).
7. Dried-in hoistway(s) and machine/control room(s).
8. Clear, flat, vertical or horizontal surfaces for mounting rail brackets at each floor, in overhead, and intermediate levels (if required) in the same vertical plane as the clear hoistway line. This includes divider beams between cars for multiple elevators in a common hoistway. Rail bracket supports shall not intrude into the clear hoistway line. Rail bracket supports and divider beams in the overhead to be located approximately 610mm (24") below the roof or machine room slab. Supply vertical flat plates on which to mount car rail brackets if gusset plates obscure beam webs, such as in wind bracing frames. If applicable, intermediate bracket supports between floor(s) and in the overhead area may be required. Refer to Schindler final layout drawings for maximum bracket spacing and actual support locations.
9. For masonry block hoistway construction, Schindler will provide rail bracket inserts for installation by others, located in accordance with the Schindler final layout drawings. Where inserts are not used, hollow masonry blocks are not acceptable for bracket fastening. Provide 125mm (5") concrete belt around hoistway or other acceptable support at each floor, in overhead and intermediate levels (if required).
10. Blockout/cutout through wall as required, to accommodate hall button boxes, signal fixtures, and hatch duct. Provide for any repairs such as grouting, patching, painting, or fire proofing. Coordinate blockout/cutout with Schindler Field Supervisor.
11. For non-masonry hoistway construction with floor heights exceeding 4.5m (15ft), structural support at 2.4m (8ft) to 4.5m (15ft) above finished floor level for entrance strut angle attachment.
12. For masonry hoistway walls at entrances, provide rough opening of 203mm (8") on each side and 203mm (8") on top of clear opening for installation of doorframes and sills. For drywall hoistway walls at entrances, walls are to be built after doorframes and sills are set in place.
13. Grouting around entrance frames and finished floor and grout to sill line after installation of entrance.
14. Construction barricades (per OSHA requirements) either outside of elevator hoistway(s) or between elevators inside of hoistway(s) as required. Barricades to be freestanding and removable, located at each hoistway opening at each floor. Barricades shall be erected, maintained, and removed by others.
15. Dry pit reinforced to sustain vertical forces from rails and impact loads on buffers (rules 2.2.2.4 and 2.2.2.6 in cars following ANSI 2000 or greater or rules 106.1b(3)&(4) for less than ANSI 2000). Car buffer impact loads as calculated (rule 8.2.3 in cars following ANSI 2000 or greater or rule 1308 for less than ANSI 2000). If occupied space below pit, supporting structure to withstand five times the stated load. Refer to Schindler final layout drawings.
16. Adequate sealing and waterproofing of pit. Effective prevention of pit exposure to storm water or ground water.
17. Where there is a difference in level between the floors of adjacent pits, a metal guard shall be installed not less than 2000 mm (79") in cars following ANSI 2000 or greater or 1829 mm (72") for less than ANSI 2000 above the level of the higher pit floor (rule 2.2.3.1 in cars following ANSI 2000 or greater or rule 106c(1) for less than ANSI 2000). Where the difference in level is 600 mm (24") or less a standard railing (rule 2.10.2 in cars following ANSI 2000 or greater) shall be permitted (rule 2.2.3.2 in cars following ANSI 2000 or greater or rule 106.1c(2) for less than ANSI 2000).



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18. Drains & sumps in elevator pits, where provided, shall comply with the applicable plumbing code, and they shall be provided with a positive means to prevent water, gases and odors from entering the hoistway. Sumps and sump pumps in pits, where provided, shall be covered. The cover shall be secured and level with the pit floor (rules 2.2.2.4 and 2.2.2.6 in cars following ANSI 2000 or greater or rules 106.1b(3)&(4) for less than ANSI 2000) and should be located to clear elevator equipment (cannot be connected directly to storm drain or sewer).
19. GFCI convenience outlet and light fixture with guard in pit. (National Electrical Code (NFPA 70 rules 620-85) or (CSA C22.1-02 section 38-085)) Minimum lighting to be 100 lux (10fc). (Rule 2.2.5 in cars following ANSI 2000 or greater or rule 106.1e for less than ANSI 2000)
20. Pit ladder for each elevator in compliance with rule 2.2.4.2 in cars following ANSI 2000 or greater or rule 106.1d(2) for less than ANSI 2000. Nearest point of the ladder shall be within 975mm (39"), measured horizontally from the means to unlock the egress door from the pit. The ladder shall extend not less than 1200mm (48") above the sill of the access door. Rungs or cleats shall be spaced 300mm (12") on center and 400mm (16") wide (see rule 2.2.4.2 in cars following ANSI 2000 or greater or rule 106.1d(2) for less than ANSI 2000) for exception when unavoidable obstructions are encountered). Locate per Schindler final layout drawings. All walk-in pits must follow the requirements of rule 2.2.4.4 in cars following ANSI 2000 or greater and less than ANSI 2007 and rule 2.2.4.5 for ANSI 2007 or greater or rule 106.1d(4) for less than ANSI 2000).
21. Access to the machine/control room and machinery space (rule 2.7.3 in cars following ANSI 2000 or greater or rule 101.3 for less than ANSI 2000). Door shall be self-closing, self-locking and operable from inside without a key. Minimum door size 750 mm x 2030 mm (30" x 80") (rule 2.7.3.4 in cars following ANSI 2000 or greater or rule 101.3d for less than ANSI 2000).
22. Where machine/control room(s) are remote from the hoistway, electrical duct runs or oil lines (where applicable) will be in the overhead/ceiling area. No provisions are made for underground installation.
23. GFCI convenience outlet and telephone outlet located in machine/control room. (National Electrical Code (NFPA 70 rules 620-85 or (CSA C22.1-02 section 38-085)). Dedicated analog telephone line capable of outgoing or incoming calls for emergency phone system (rules 2.27.1.1 & 2.27.1.2 in cars following ANSI 2000 or greater or rules 211.1a & 2.11.1b for less than ANSI 2000) or Schindler Remote Monitoring (SRM).
24. Provide a lockable, fused disconnect switch or circuit breaker suitable for 3-phase power for the elevator control and a separate lockable, fused disconnect switch for car lighting circuit for each elevator. Locate and mark with appropriate signage. (National Electrical Code (NFPA 70 rules 620-22, and 620-51 to 620-53) or (CSA C22.1-02 sections 38-022, and 38-051 to 38-053)). **FOR REMOTE 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. The auxiliary disconnect will have the same signage and same current rating as the main disconnect. An auxiliary contact, rated for 24VDC at 1A, shall be provided in each of the main and auxiliary disconnects for disabling the battery-powered circuits (NFPA 70 rule 620-91(C) or CSA C22.1-02 section 38-091). The contact shall open when the disconnect switch is open, be wired in series between disconnects and terminate in the elevator controller. Additional requirements: If a sprinkler system is located in the hoistway or control room, the disconnects must be NEMA 3 compliant and the building shall provide a shunt trip activation of the main disconnect triggered by contacts of the fire recall initiating devices (as defined by NFPA). These devices, located in the hoistway or control room, shall provide independent disconnection of electrical power to both main and auxiliary circuits prior to sprinkler activation (A17.1-2000 rule 2.8.2.3, A17.1-2007 rule 2.8.3.3.2 and/or local code). See Schindler Power Supply Data Sheet.
25. Provide suitable feeder and branch wiring circuits from the building service to the controller, including main line switch, for signal systems, power operated doors, car lighting and convenience outlets. See Schindler Power Supply Data Sheet.
26. Provide emergency power transfer switch and power change pending signals as required to master control in machine/control room.
27. Lighting, ventilation, and heating of machine/control room, control space and machinery space (rule 2.7.5 in cars following ANSI 2000 or greater and less than ANSI 2007 and rule 2.7.9 for ANSI 2007 or greater or rule 101.5 for less than ANSI 2000). Minimum lighting to be 200 lux (20fc). Machine/control room or control space temperature to be maintained between 13°C (55°F) and 32°C (90°F). Acceptable humidity levels for jobs shall be maintained at 95% or less non-condensing. See Schindler Power Supply Data Sheet for heat emissions.
28. Hoisting beam(s), trap doors and other means of access to machinery space of adequate size for maintenance and equipment removal (rules 2.7.3.4 and 2.9.3.3 in cars following ANSI 2000 or greater or rules 101.3d and 105.3c for less than ANSI 2000). Hoisting beam(s) in each shaft located and load rated per Schindler final layout drawings. Lifting points or beam(s) shall be visibly marked with the safe working load.
29. Class "ABC" fire extinguishers in electrical machinery and control space. Extinguishers shall be located convenient to access door (rule 8.6.1.6.5 in cars following ANSI 2000 or greater or rule 1206.1h for less than ANSI 2000).
30. Furnish adequate on-site refuse containers for the proper disposal of elevator packaging material. If adequate containers are not furnished, disposal of packaging material shall become the responsibility of the owner.
31. Temporary Service: Schindler shall be reimbursed for any labor and material that is not part of the permanent elevator installation and that is required to provide temporary elevator service. Schindler's temporary acceptance form shall be executed and the elevator inspected before being placed into temporary service. The costs associated with the power, operation, maintenance, and rehabilitation of the equipment and any construction permits or fees required by governing authorities shall be paid for by others.
32. If applicable, for vertical bi-parting freight entrances, provide channel frames and sills at all openings along with separate disconnect switch and feeder to door control panel. Channel frames to be plumb within 3.2mm (1/8") for every 2.4m (8ft).
33. Where there is a blind hoistway, an emergency door shall be installed at every third floor, but not more than 11m (36ft) from sill to sill. The clear opening must be at least 700mm (28") wide and 2030mm (80") high (rule 2.11.1.2 in cars following ANSI 2000 or greater or rule 110.1 for less than ANSI 2000).
34. In addition to the above, the following work must be completed before elevator(s) are placed into automatic operation. (Prior to code required municipal authority inspection. Refer to Schindler Acceptance Inspection Standard form).
  - a. Finished cab flooring and if applicable, fitting of interior cab walls and/or ceiling.





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35. Machine/control room to comply with code and to suit Schindler standard equipment. Proper machine/control room dimensions and safety clearances to be provided as indicated on Schindler final layout drawings with recesses and ducts to be covered as required. Proper stairways or steps and guardrails to be provided. Proper lockable fire rated door, self-closing and self-locking with label to be provided (rules 2.7.3 & 2.11.14 in cars following ANSI 2000 or greater or rules 101.3 & 110.14 for less than ANSI 2000).
- b. If applicable, smoke and/or heat detectors with signals to elevator controller(s).
  - c. If applicable, emergency power generator and automatic transfer switch with capacity to run at least one elevator at a time.
  - d. Seal all penetrations through 2-hour (or greater) rated walls with code approved material. Drywall liner behind all wall mounted hall fixtures.
  - e. Cab light circuits and all receptacles installed in machine/control rooms, machinery spaces and pits must have ground fault circuit interrupter protection (GFCI) (NEC 620).
  - f. If applicable, conduit and wire runs from elevator(s) to remote status panel.
  - g. If applicable, conduit and wiring for fire alarm system to each elevator control in machine/control room.
  - h. If applicable, conduit and wire runs for emergency/rescue communications in central alarm & control facility, fire control room, security desk, etc.
  - i. If applicable, conduit and wire runs for remote alarm bell from machine/control room to remote location.
  - j. Adequate lighting of building corridors so that illumination at the landing sill is minimum 100 lux (10fc) (rule 2.11.10.2 in cars following ANSI 2000 or greater or rule 110.10b for less than ANSI 2000).
  - k. If applicable, conduit and wiring for ascending car protection (rope gripper) to each elevator machinery space (overhead).
36. Properly designed machine/control room with adequate Sound Transmission Class rating. Consult Schindler 330A Hydraulic Elevator Installation Checklist for guidelines (CMN-1004).
37. Rule 2.2.2.5 in cars following ANSI 2000 or greater, in elevators provided with firefighters emergency operation, a drain or sump shall be provided.
38. If the project contains 330A Borehole or Flex Borehole and in cars following ANSI 2000 or greater, location of hole(s) and removal of hole spoils after completion of drilling if required. Provide 610mm (24" & " & ") square blockout in pit for jacks that penetrate floor.

You agree to identify and save Schindler harmless against any and all liability and costs arising out of your failure to carry out any of the foregoing requirements.