

LA PRIMA CASA MONTESSORI

Issue: Vertical accessibility to the second floors of two school buildings.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to the second floors of two buildings on a school campus. One building contains classrooms for two age groups 18 months-3 years and 3-6 years old (Building A).. Classrooms are provided for each age group on the accessible first floor. The second building (Building B) houses the administrative offices and school dining hall on the first floor and toilet rooms, teacher training, media room and meeting room on the second floor. The existing buildings are undergoing a \$505,750 alteration, and estimates were submitted to support the applicant's claim that it would be disproportionate to the cost of the alteration to provide elevators.

Project Progress:

The project is under construction.

Items to be Waived:

Vertical accessibility to the second floors, as required by Section 553.509, Florida Statutes.

553.509 Vertical accessibility. Nothing in Sections 553.501-553.513 or the guidelines shall be construed to relieve the owner of any building, structure or facility governed by those sections from the duty to provide vertical accessibility to all levels above and below the occupiable grade level regardless of whether the guidelines require an elevator to be installed in such building, structure or facility, except for:

- (1) Elevator pits, elevator penthouses, mechanical rooms, piping or equipment catwalks and automobile lubrication and maintenance pits and platforms;
- (2) Unoccupiable spaces, such as rooms, enclosed spaces and storage spaces that are not designed for human occupancy, for public accommodations or for work areas; and
- (3) Occupiable spaces and rooms that are not open to the public and that house no more than five persons, including, but not limited to equipment control rooms and projection booths.

Waiver Criteria: There is no specific guidance for a waiver of this requirement in the code. The Commission's current rule, authorized in Section 553.512, Florida Statutes, provides criteria for granting waivers and allows consideration of unnecessary or extreme hardship to the applicant if the specific requirements were imposed.

This application is available in alternate formats upon request.

**REQUEST FOR WAIVER FROM ACCESSIBILITY REQUIREMENTS
OF CHAPTER 553, PART V, FLORIDA STATUTES**

Your application will be reviewed by the Accessibility Advisory Council and its recommendations will be presented to the Florida Building Commission. You will have the opportunity to answer questions and/or make a short presentation, not to exceed 15 minutes, at each meeting. The Commission will consider all information presented and the Council's recommendation before voting on the waiver request.

1. Name and address of project for which the waiver is requested.

Name: La Prima Casa Montessori

Address: 2733 SW 3rd Avenue & 281 SW 28 Road, Miami, FL, 33129 (one school, two adjacent buildings)

2. Name of Applicant. If other than the owner, please indicate relationship of applicant to owner and written authorization by owner in space provided:

Applicant's Name: Angela Ciocca

Applicant's Address: 2733 SW 3rd Ave Miami, FL 33129

Applicant's Telephone: 786.302.5794 **FAX:** 305.854.2407

Applicant's E-mail Address: angeladc@bellsouth.net

Relationship to Owner: _____

Owner's Name: _____

Owner's Address: _____

Owner's Telephone: _____ **FAX** _____

Owner's E-mail Address: _____

Signature of Owner: _____

Contact Person: _____

Contact Person's Telephone: _____ **E-mail Address:** _____

This application is available in alternate formats upon request.
Form No. 2001-01

3. Please check one of the following:

- New construction.
- Addition to a building or facility.
- Alteration to an existing building or facility.
- Historical preservation (addition).
- Historical preservation (alteration).

4. Type of facility. Please describe the building (square footage, number of floors). Define the use of the building (i.e., restaurant, office, retail, recreation, hotel/motel, etc.)

The facility will be used as a Montessori pre-school. There will be two age groups: 18months-3years old and 3-6 years old. The waivers are being requested for two adjacent buildings on the same school campus. The buildings have two floors and a total area of about 3,600sf each.

Building A (281 SW 28th Road) has two classrooms on the ground level and two classrooms on the 2nd floor. Each age group has a class on the ground level. In other words, there are both 18mo to 3 year old AND 3 to 6 year old classes on the ground floor. The ground floor meets all ADA accessibility requirements. Building B (2733 SW 3 Ave) is the administrative building. The ground floor houses the offices and the dining hall for the school. The 2nd floor is NOT open to the children. Building B also meets all other ADA requirements per the accessibility code and approved by the City of Miami Building Department.

5. Project Construction Cost (Provide cost for new construction, the addition or the alteration):

\$505,750.00 (five hundred and five thousand seven hundred and fifty dollars).

6. Project Status: Please check the phase of construction that best describes your project at the time of this application. Describe status.

Under Design Under Construction*

In Plan Review Completed*

* Briefly explain why the request has now been referred to the Commission.

We are submitting this request to the Commission because the cost of complying with the vertical accessibility requirement is disproportionate to the overall cost of the alterations. It represents 49.9% of the overall project cost. We are ONLY requesting a waiver for vertical accessibility, all other accessibility requirements have been met.

7. **Requirements requested to be waived.** Please reference the applicable section of Florida law. Only Florida-specific accessibility requirements may be waived.

Issue

1: Chapter 11-4.1.6 (2)—the cost of providing vertical accessibility to the second floor is disproportional to the cost of the overall alteration. What is more, all primary functions are located and completely accessible on the ground floor. The second floor will contain classrooms; however, the same classrooms, ADA accessible bathrooms, drinking fountains, emergency exits and telephones are all located and accessible on the ground floor. There is nothing located on the second floor of the altered areas that is not also located and accessible to the children on the ground floor.

Issue

2: _____

Issue

3: _____

8. **Reason(s) for Waiver Request:** The Florida Building Commission may grant waivers of Florida-specific accessibility requirements upon a determination of unnecessary, unreasonable or extreme hardship. Please describe how this project meets the following hardship criteria. Explain all that would apply for consideration of granting the waiver.

The hardship is caused by a condition or set of conditions affecting the owner which does not affect owners in general.

Substantial financial costs will be incurred by the owner if the waiver is denied.

The cost of providing vertical accessibility will be \$126,280.00 per building, totaling \$252,560.00. The overall cost of the alterations is \$505,750.00. The cost to provide vertical accessibility represents 49.9% of the overall cost of the alterations. We are a small Montessori school with very limited funds, especially in this phase of our start-up. Having to install vertical lifts would truly cause us to rethink our expansion plans and would not allow us to educate the children waiting to attend our school.

The owner has made a **diligent investigation** into the costs of compliance with the code, but cannot find an efficient mode of compliance. Provide detailed cost estimates and, where

appropriate, photographs. Cost estimates must include bids and quotes.

The cost of providing vertical accessibility will be \$126,280.00 per building, totaling \$252,560.00. The overall cost of the alterations is \$505,750.00. The cost to provide vertical accessibility represents 49.9% of the overall cost of the alterations. Please see attachments for supporting documentation of costs.

9. Provide documented cost estimates for each portion of the waiver request and identify any additional supporting data which may affect the cost estimates. For example, for vertical accessibility, the lowest documented cost of an elevator, ramp, lift or other method of providing vertical accessibility should be provided, documented by quotations or bids from at least two vendors or contractors.

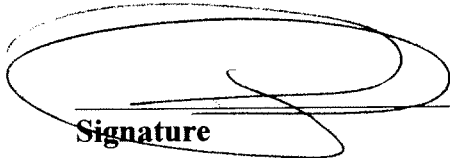
a. Please see attached. The estimates include the cost of the lift, opening an entrance into the exterior wall, electrical work, masonry work to enclose the lift, roofing of the enclosure, foundation, etc.

b. _____

c. _____

10. Licensed Design Professional: Where a licensed design professional has designed the project, his or her comments **MUST** be included and certified by signature and affixing of his or her professional seal. The comments must include the reason(s) why the waiver is necessary.

We believe the cost of providing vertical accessibility, representing nearly 50% of the overall cost of the alterations, qualifies as disproportional as defined in Chapter 11-4.1.6 (2) of the Code. It is our recommendation that this requirement be waived. All essential functions have been built and are ADA accessible on the ground level.



Signature

Manuel V. Pose

Printed Name

Phone number (305) 785-8213

(SEAL)

CERTIFICATION OF APPLICANT:

I hereby swear or affirm that the applicable documents in support of this Request for Waiver are attached for review by the Florida Building Commission and that all statements made in this application are to the best of my knowledge true and correct.

Dated this 3 day of March, 2009

Angela Ciocca
Signature

Angela Ciocca
Printed Name

By signing this application, the applicant represents that the information in it is true, accurate and complete. If the applicant misrepresents or omits any material information, the Commission may revoke any order and will notify the building official of the permitting jurisdiction. Providing false information to the Commission is punishable as a misdemeanor under Section 775.083, Florida Statutes.

REVIEW AND RECOMMENDATION BY LOCAL BUILDING DEPARTMENT.

Please state why the issue is being referred to the Florida Building Commission as well as a recommendation for disposition. The Building Official or his or her designee should review the application and indicate that to the best of his or her knowledge, all information stipulated herein is true and accurate. Further, if this project is complete, explain why it is being referred to the Commission. The Building Official or his or her designee should sign a copy of the plans accompanying this application as certification that such plans are the same as those submitted for building department review. Please reference the applicable section of the Accessibility Code.

a. Chapter 11-4.1.6 (2)—the cost of providing vertical accessibility to the second floor is disproportional to the cost of the overall alteration.

b. _____


c. _____

Has there been any permitted construction activity on this building during the past three years? If so, what was the cost of construction?

Yes No Cost of Construction _____

Comments/Recommendation Based on or review of the Accessibility Code and the nature of the alterations undertaken, we believe a waiver should be granted since the cost of providing vertical accessibility is disproportionate to the total cost of the renovation (i.e. it is 49.9%; more than 20% of the total cost of the alterations).

Jurisdiction CITY OF MIAMI

Building Official or Designee _____
Signature 

MARIANO V. FERNANDEZ
Printed Name

FLD. 134689
Certification Number

(305) 4161107 (305) 4161160
Telephone/FAX

Address: 444 SW 2 AVE
MIAMI, FL 33130



March 3, 2009

La Prima Casa Montessori School
2725 SW 3rd Avenue
Miami, FL 33129
Attn: Marco Ciocca

Project: Prima Casa Montessori School Building A & B

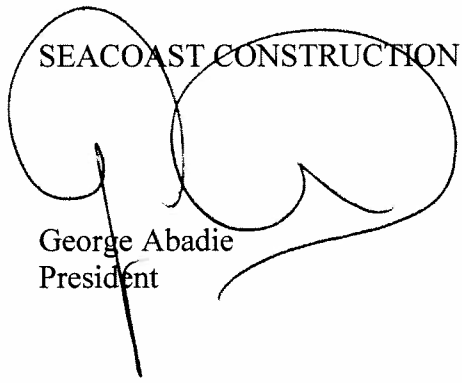
Dear Mr. Ciocca:

Seacoast Construction Inc. is pleased to offer this proposal for your consideration to furnish and install all required labor and materials as per drawings and specifications for the above project for the sum of FIVE HUNDRED FIVE THOUSAND SEVEN HUNDRED FIFTY DOLLARS AND ZERO CENTS (\$505,750.00)

If you have any questions or comments, please feel free to contact me at 786-888-8400.

Sincerely,

SEACOAST CONSTRUCTION INC.



George Abadie
President



March 3, 2009

La Prima Casa Montessori School
2725 SW 3rd Avenue
Miami, FL 33129
Attn: Marco Ciocca

Project: Prima Casa Montessori School Wheelchair Lifts

Dear Mr. Ciocca:

Seacoast Construction Inc. is pleased to offer this proposal for your consideration to furnish and install all required labor and materials for a total of two (2) Handicap Wheelchair lifts for two (2) existing buildings located as follows: 2733 SW 3rd Avenue and 281 SW 28th Road, Miami, Florida and per specifications attached as Exhibit 'A'. The scope of work includes structural steel reinforcing, foundation, concrete slab, concrete columns, masonry block walls, roofing, stucco, adjustment of railing, electrical service, wheelchair lift, paint and patch as necessary.

The unit cost is \$126,280.00. Lump Sum amount for the above stated scope of work is TWO HUNDRED FIFTY TWO THOUSAND FIVE HUNDRED SIXTY DOLLARS AND ZERO CENTS (**\$252,560.00**)

If you have any questions or comments, please feel free to contact me at 786-888-8400.

Sincerely,

SEACOAST CONSTRUCTION INC.



George Abadie
President

FloridaLifts

• floridalifts.com •
A State Certified MBE Company

9737 NW 41st Street
Box 173
Miami, FL 33178
Phone: 305-757-8007
Fax: 806-757-0778
Phone: (Monroe City) 872-4802

Rene Gutierrez
Seacoast Construction, Inc

Re: Wheelchair Lift for Mortessori Building "C"

Florida Lifts proposes to furnish and install one vertical platform lift, Model HBC-108 (outdoor model) manufactured by National Wheel-O-Vator with the following components/specifications:

Capacity: 750 lbs.
Travel: 108" plus 3" for pit
Speed: 20 fpm
Platform: 37" x 51" platform with non-skid surface.
2 Stop lift
Flush mounted, fire-rated doors
Grab rail
Emergency stop button
Application is same side on/off
Roped Hydraulic
Battery back-up lowering
Ivory powder coat finish

Work by others: 115V 20 amp power to housing side of lift, disconnect (fusible/lockable/throw arm) signage at disconnect to main power, 24 hour/5 candlefoot lighting & 24 hour bulb emergency lighting, hoistway/lift area, concrete support, hoistway to plumb according to approved drawings

Price: \$19,900 (includes material, shipping, installation, taxes and permitting)

All materials are warranted to be as specified above. All work will be completed in a workmanlike manner according to local industry standards and will comply with all applicable building codes. Any alteration or deviation from the above specifications and/or "work by others" which requires or involves additional labor or materials must be requested in writing by the purchaser and will be performed by the Seller as an extra. The Purchaser agrees to pay the charges for such extras and such charges will be in addition to the above contract price. Storage charges that may be incurred by Florida Lifts due to delay of site readiness, as scheduled by the Purchaser and/or General Contractor will be charged back. Additional installation time required by Florida Lifts due to lack of site readiness may be back charged as well. A 7 day notice is required for installation.

A clear accessible route to hoistway or proposed lift location is required. Additional charges may occur if there is a lack of accessible route.

Terms: 50% deposit, 40% material delivery/installation, 10% upon completion of state/courtesy elevator inspection. Material will not be released for production without deposit nor turned over without final payment.

Acceptance of Proposal

The above prices, specifications are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined in "Terms".

Division 14 42 00 (14420)
Vertical Platform Lift Model HBC

**National
 Wheel-O-Vator
 Technical Specifications
 May 2008**

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. All materials and labor necessary to complete the installation of the vertical platform lift.
 B. Obtain all information affecting work at job site. Include verification of field dimensions, anchoring and storage. Verify voltages and outlets on electrical drawings.

1.02 REFERENCES:

- A. The lift shall be designed and tested in accordance with ICC/A117.1, NEC and ASME A18.1 Guidelines.
 B. All design, clearances, construction, workmanship and installation shall be in accordance with the requirements of codes having local jurisdiction. The platform lift shall be subject to local, city and state approval prior to and following installation.

1.03 SYSTEM DESCRIPTION:

- A. The product described herein manufactured by National Wheel-O-Vator, is a vertical platform lifting device consisting of a machine tower with lifting platform, selected and dimensioned to provide adequate lifting height to suit the individual building requirements. The lift can be used either indoors or outdoors to vertically transport a wheelchair user or mobility impaired person up and over a barrier thus creating access to or within a building.

B. Performance:

1. Rated Load: 750 pound capacity
2. Travel Speed: 20 feet per minute
3. Lifting Height _____
4. Platform Size: 37" x 51", with non skid surface

1.04 SUBMITTALS

- A. Submit drawings or manufacturers literature for approval. Drawings shall show dimensional and wiring requirements.

1.05 QUALITY ASSURANCE

- A. Manufacturer: Company with not less than twenty (20) years of experience in the design and fabrication of vertical platform lifts.
 B. Technical Services: Manufacturer and authorized dealer shall work with architects, engineers and contractors to adapt the platform lift product to the design and structural requirements of the building, site, and code requirements.

1.06 WARRANTY

- A. Unit shall have a four (4) year limited parts warranty on the basic unit, including all electrical and drive system components.

1.07 MAINTENANCE

- A. Maintenance of the platform lift unit shall consist of regular cleaning of the unit and regular inspection at intervals not longer than every 6 months. Rule 10.2.1 of ASME A18.1 requires all Vertical Platform Lifts be inspected every six (6) months.

PART 2-PRODUCT

2.01 MANUFACTURER - U.S. OWNED & OPERATED

- A. National Wheel-O-Vator, a division of ThyssenKrupp Access, Model HBC as distributed By _____
 B. No substitution shall be considered unless written request for approval has been submitted and received by the architect at least ten (10) days prior to the bid date.

Each substitution request shall include the name of the material for which it is to be substituted and a complete description of the proposed substitutions including drawings, performance and test data, a list of projects similar in scope, photographs of existing installation, design differences and other information necessary for evaluation.

2.02 FABRICATION

- A. Platform shall be constructed of 12-gauge minimum zinc clad steel. If unit is not installed in a 3-inch pit, a stationary ramp shall be provided that extends under the lower landing gate/door.
 B. Platform side panels must be 42" high. Side panel frame work shall be a minimum of 1" x 1/2" steel or aluminum. Solid infill panels shall be a minimum of 18-gauge zinc clad steel.
 C. The main frame support tubing shall be a combination of square and rectangular steel tubing with a minimum .120 wall thickness.
 D. Carriage platform supports shall be a minimum of 1" x 2" steel flat bar and carriage uprights shall be a minimum of 1/2" thick steel flat bar uprights. Cam rollers shall be used for axial carriage guidance and cam followers with wear pads shall be used for horizontal stability. Cam rollers shall be supported by a minimum 6:25#/ft.² rail.
 E. Loaded fasteners shall be grade five or higher. Locking fasteners shall be used in all critical locations.
 F. The removable machine tower sides shall be of 18 gauge zinc clad steel minimum. The machine tower shall be one piece. As an option the tower can be split at 69" from the bottom.
 G. Drive means shall be 1:2 roller chain hydraulic equipped with a type "A" instantaneous slack chain safety device. The safety device linkage shall be made of stainless steel.
 H. The hydraulic connections shall be metal and have rated pressures that withstand the working pressure with the appropriate safety factor.
 I. The operating control circuit shall be 24-volt.
 J. Finish shall be electrostatically applied powder coating, oven baked to cure.
 K. The control system and optional batteries shall be serviceable with platform at bottom landing without need to remove platform side panels.
 L. Color shall be selected from manufacturer's standard color or optional colors.
 M. A constant pressure up/down control switch shall be installed at each landing level and on the platform.
 N. When not installed with a runwty enclosure, the platform shall be equipped with an obstruction panel that will stop the downward travel if an obstruction is encountered.
 O. An emergency stop / illuminated alarm switch shall be provided on the car as a means of signaling for assistance in the event of an emergency.
 The alarm shall also sound if a gate/door lock fails to latch.

- P. A grab rail shall be provided on the platform.
- Q. The lift shall use 120V single phase as its standard power supply. 208V or 240V single phase input is also available as its power source.
- R. The hydraulic pump unit shall include a 24 Volt DC motor with an adequate size oil reservoir for full piston stroke.
- S. A gate with a minimum height of 42" and a combination mechanical lock with a positive opening electric contact shall be provided at the upper landing.
- T. A gate with a combination mechanical lock with a positive opening electric contact shall be provided at the lower level. The height and type shall depend on model and code requirements.
- U. A manual lowering device shall be located at top of tower on upper landing side.
- V. Unit to be equipped with the "simplex" base and carriage design, which allows the carriage to be folded to reduce the shroud and carriage width to 19", for ease of installation, without removal of any carriage attaching bolts.
- W. Unit must be assembled and tested in factory before shipment.

2.03 ACCESSORIES

SPECIFIER PLEASE NOTE - Due to different applications of Vertical Platform Lifts, please strike the optional items shown if not used.

- A. A CDP-1000 - Fire Rated (B Label) flush mounted steel door and frame shall be provided. Door shall include wire mesh vision panel with delay action door closure, dead latch, dummy trim door handle and electric strike. (If used at upper landing, delete 2.02 S. If used at lower landing, delete 2.02 T.)
- B. A CDP-2000 - Low profile flush mounted steel door and frame shall be provided. Door shall include mesh vision panel with delay action door closure, dead latch, dummy trim door handle and an electric strike. (If used at upper landing, delete 2.02 S. If used at lower landing, delete 2.02 T.)
- C. A CDP-3000 - Flush mounted, solid core oak laminated door and (oak) frame shall be provided. Door includes wire mesh vision panel with delay action door closure, dead latch, dummy trim door handle, lock plate cover and electric strike. (If used at upper landing, delete 2.02 S. If used at lower landing, delete 2.02 T.)
- D. A CDP-4000 - Flush mounted, 42 inches high, solid core oak laminated gate and (oak) frame shall be provided at the upper landing. Gate includes spring hinges, dead latch, dummy trim gate handle, lock plate cover and electric strike. (If used, delete 2.02 S.)
- E. A 24V DC, fail secure electric strike that contains electric contacts to insure the door is both closed and locked shall be provided. (This option is required when flush mounted door and frames are provided by others. Modify or delete 2.02 S and/or 2.02 T.)
- F. Optional platform configurations.
90 degree; enter exit same side; 3 level -
Power operators required by - A117.1.
Larger platforms may be required by (A.H.J.) (Modify or delete 1.03 B4.)
- G. Optional batteries for standby lowering only or standby raise/lower can be supplied. A 3 stage waterproof charger shall keep batteries ready for standby.

- H. The battery system shall have a lockable DC rated disconnect between the batteries and pump. (provided by mfg. or dealer at extra cost.)

PART 3 - EXECUTION

3.01 ACCEPTABLE INSTALLERS

- A. Subcontractor Qualifications: A company that is listed as an authorized National Wheel-O-Vator dealer.
- B. Electrical devices, services and final connections shall be by a qualified electrician.

3.02 INSTALLATION

- A. Unit shall be installed and operated in accordance with the ICC/AI 17. 1, NEC and ASME A18.1 Guidelines.
- B. A dedicated 120 VAC, 20-Amp, electrical circuit with a lockable service disconnect switch shall be supplied by the electrical contractor at job site. For 208V, or 240V, units, a 15amp, dedicated circuit shall be supplied. (Depending on local electrical codes, a G.F.I. device may be required.)
- C. Coordinate work with general contractor.
- D. Leave standard electrical connection drawings with electrical contractor to make final electrical connection.
- E. The installation of the vertical platform lift shall be made in accordance with the approved plans and specifications and the manufacturers installation instructions.

3.03 FIELD QUALITY CONTROL

- A. Load the vertical lift unit to rated capacity and test for several cycles to insure proper operation. No mechanical failures shall occur and no wear that would affect the reliability of the unit shall be detected.

For more details, call National Wheel-O-Vator's Design Line.
800-968-5438

National Wheel-O-Vator
509 W. Front St.
Rogers, IL 61561

ACCESS LIFTS & ELEVATORS

8362 Pines Blvd #380 Pembroke Pines, FL 33024 Email sales@accessliftsandelevators.com
Dade 305-889-3151 Broward 954-989-8755 Palm Beach 561-265-3533 Fax 954-894-7707

Dear Rena,
Project Re: Montessori Building "C"

Thank you for choosing Access Lifts & Elevators. Based on information received, we are submitting the following quotation for your review.

This quote is to furnish and install A Wheelchair Lift Model PL-S Hoistway Hydraulic with the following specifications:

- Travel- Not to exceed 144"
- Capacity- 750 lbs.
- Two-Stop- on/off same side
- Drive System- Roped Hydraulic
- Motor controls- Relay logic
- Speed 18-20 fpm
- Platform- Non- skid surface platform 36"x48"
- Two LH fire rated doors with electric strikes
- Safety devices- Battery backup, slack rope switch, and final limit switches
- Finish- Ivory powder coat

Price \$18,860.00 (Includes, material, shipping, installation, and inspection.)

Terms: 50% deposit, 40% delivery and installation, 10% due upon final inspection.

Warranty: Two year drivetrain. One year parts

Supplied by others: Provide a 120v 20amp fusible lockable disconnect, and a light at the top of the shaft

It is understood and agreed that the work is to be performed during the regular working day and hours of the elevator trade. The above work will be performed in a competent professional manner in strict accordance with all state and elevator codes.

Submitted by Rocco J. Bruno Jr

Authorized Customer Representative:

Name _____ Title _____

Signature _____ Date _____

Lead time is 1-2 week drawings 6-8 weeks manufacture 2-3 days installation
Please fax approved proposal back to 954-894-7707 to place order.
Access Lifts & Elevators will not use sub-contractors.
Prices are subject to change, if acceptance not received within 90 days.

PORCH-LIFT
VERTICAL PLATFORM LIFT

Planning Guide

for PL-S Standard Model in a Hoistway
for Architects and Lift Contractors

A TrystanKemp
business company



Introduction

This Planning Guide is designed to assist architects, contractors, building owners and lift contractors in planning for a Porch-Lift® vertical platform lift that meets the requirements of ASME A18.1.

We strongly recommend you contact the codes authority having jurisdiction in the area(s) where the wheelchair lift will be installed. Become familiar with all requirements governing the installation and use of wheelchair lifts. It is extremely important for you to know and adhere to all regulations concerning installation and use of wheelchair lifts.

IMPORTANT NOTICE:

This Planning Guide provides nominal dimensions and specifications useful for INITIAL planning of a wheelchair lift project. BEFORE beginning actual construction, be sure to receive application drawings customized with specifications and dimensions for your specific project. Call 1-800-829-9780 to find a dealer in your area.

Wheelchair lift configurations and dimensions are in accordance with our interpretation of the standards set forth by ASME A18.1. Please consult Access Industries or an authorized dealer in your area for more specific information pertaining to your project, including any deviation between referenced standards and those of any local codes or laws. Always contact local codes authorities for any variation to standards.

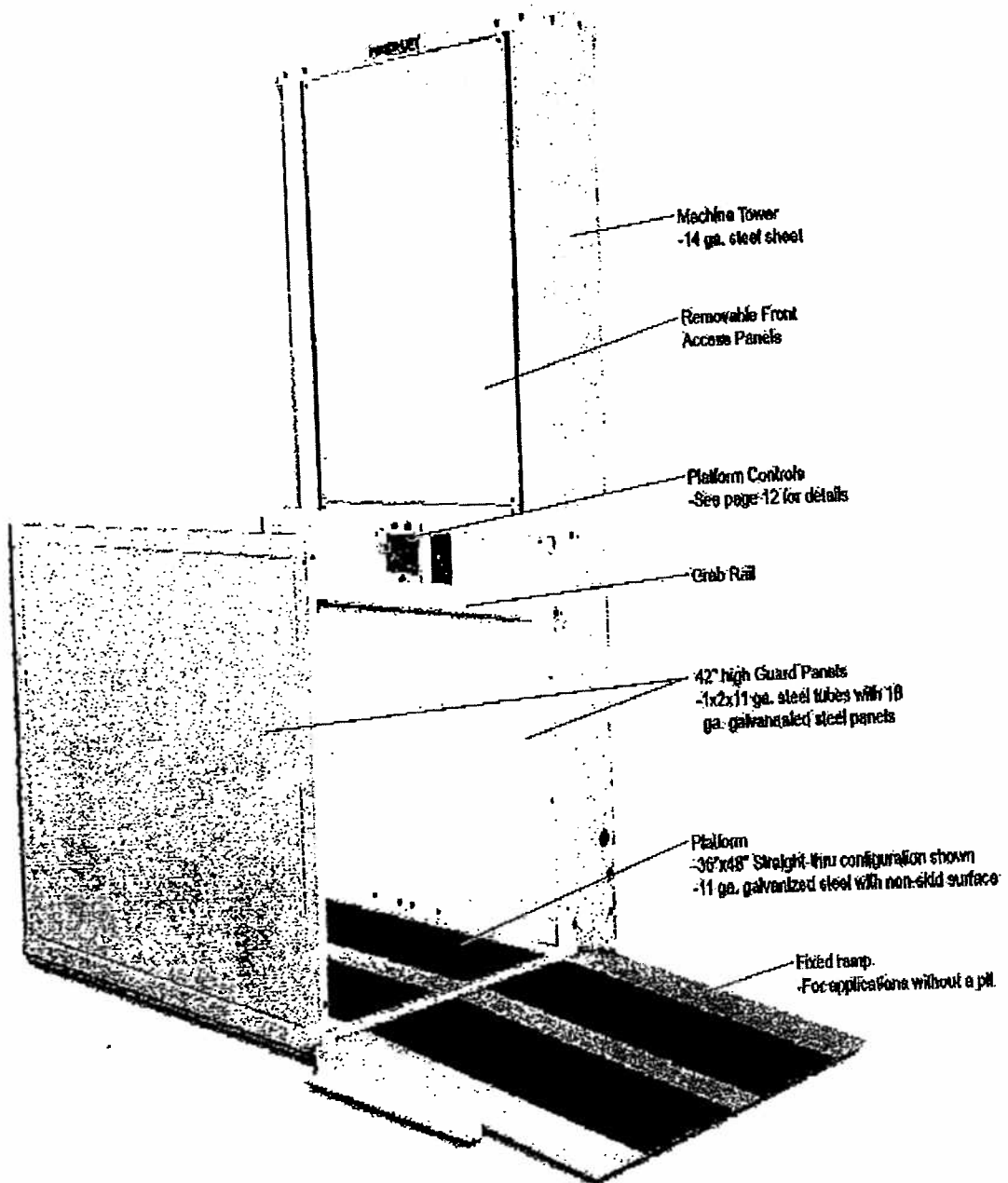
The dimensions and specifications in this Planning Guide are subject to constant change (without notice) due to product enhancements and continually evolving codes and product applications.

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xxIM0104-417

Porch-Lift overview



Note: Hoistway not shown.

Drive systems: Three drive systems to choose from:

AC powered ballscrew drive -

- 1/2 hp motor, 120 V, 60 Hz, reversible
- Electromechanical brake
- Three V-ball drive system with monitoring switches
- Ballscrew safety nut
- Manual lowering device
- Speed with rated load: 8-12 fpm

Battery powered ballscrew drive -

- 1/2 hp motor, 24 VDC, reversible
- Two 12 V, 33 AH, sealed no maintenance batteries with 24 V, 1.7 amp Smart Charge™ battery charger
- Electromechanical brake
- Ballscrew safety nut
- Manual lowering device
- Speed with rated load: 8-12 fpm

Battery powered hydraulic drive -

- 3/4 hp pump motor, 24 VDC, 0.83 gpm @ 1500 psi pump with relief switch
- Two 12 V, 33 AH, sealed no maintenance batteries with 24 V, 3.3 amp Smart Charge™ battery charger
- Aircraft hydraulic fluid
- Manual emergency lowering relief valve
- 1:2 Roped hydraulic single stage 42mm cylinder with line rupture valve
- Two 3/8" diameter aircraft ropes
- Broken rope safety device
- Speed with rated load: 18-21 fpm

General equipment on all drive systems -

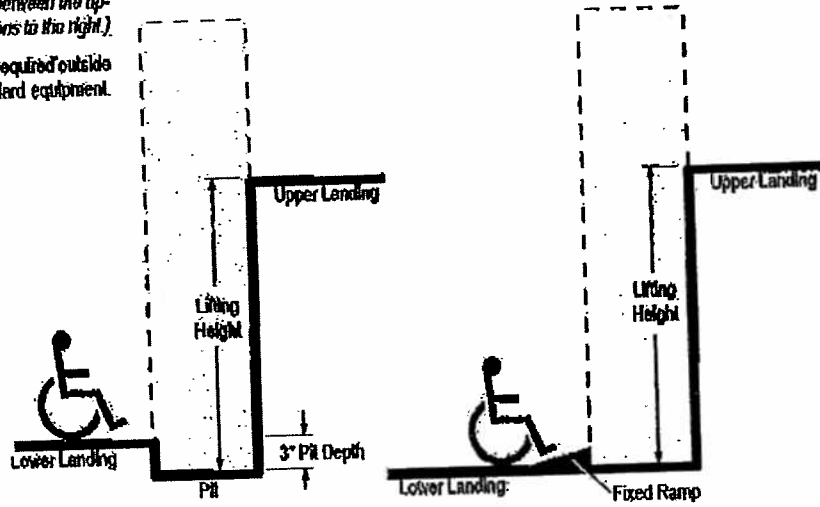
- 750 lbs. Rated load
- 2 or 3 Landings
- Relay logic motor controls
- Constant pressure, low voltage controls; paddle switch with key operation and emergency stop with alarm
- Platform safety pen
- 42" high guard panels on platform with grab rail
- 36"x48", 36"x66" or 36"x80" Platform with non-slip surface
- Final limit switches
- (E) UL Listed when lifting height is 14' or less
- 2 year drive, walk and 1 year limited warranty on all other component parts

Model heights

The model height required for a particular application is determined by the "Lifting Height", which is the vertical distance between the upper landing and the bottom of the lift. (See illustrations to the right.)

If the lift is not mounted in a pit, a stationary ramp is required outside of the hoistway. A fixed ramp is provided as standard equipment. (See details on page 13.)

MODEL	MAXIMUM LIFTING HEIGHT	MACHINE TOWER HEIGHT
PL-S-36	3'-3"	69 1/4"
PL-S-50	4'-3"	73 1/4"
PL-S-72	6'-3"	95 1/4"
PL-S-96	8'-3"	119 1/4"
PL-S-120	10'-3"	143 1/4"
PL-S-144	12'-3"	167 1/4"
PL-B-168*	14'-3"	191 1/4"

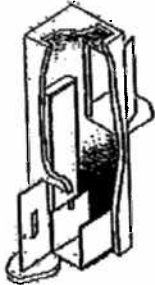


* Local or state variance required if travel of platform exceeds 12'-0".
Machine tower is 38 1/2" wide; the lower cap is 39" wide.

Power requirements

115 VAC, single phase, 20 amp, 60 Hz power circuit required to be supplied by others.
Note: Battery powered lifts must be connected to the AC power source to charge the batteries.

Hoistway layout
Straight-thru platform



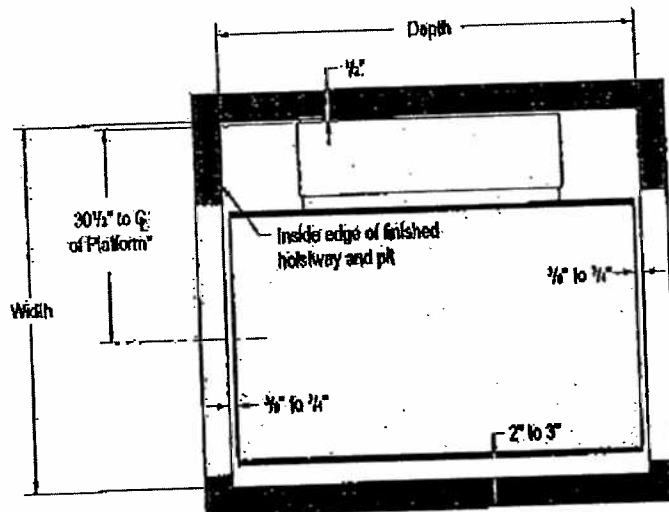
3 Sizes: 36" x 48" (standard)
38" x 50"
36" x 60"

Available with 2 or 3 stops.

6'-8" minimum above top landing floor required for overhead clearances.

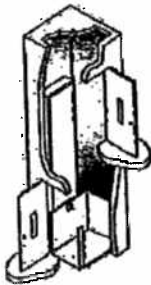
* Doors and gates are to be centered on the platform opening. See door and gate details for construction openings.

Note: Overall dimensions and running clearances conform to ASME-A18.1. Dimensions are to finished walls.



Platform Size	Hoistway dimensions	
	Width	Depth
36" x 48"	51" to 52"	48 1/2" to 49 1/2"
38" x 50"	51" to 52"	56 1/2" to 57 1/2"
36" x 60"	51" to 62"	60 1/2" to 61 1/2"

Hoistway layout
90° Exit platform

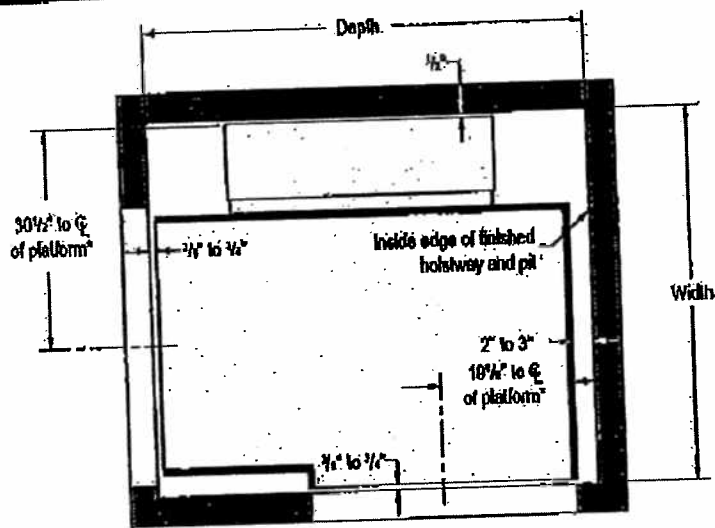


4 Sizes: 36" x 48" (standard)
36" x 50"
36" x 60"
42" x 60"

Available with 2 or 3 stops. (On 3 stop lifts, the top landing door or gate must be on the wide side of the platform.)
6'-8" minimum above top landing floor required for overhead clearance.

* Doors and gates are to be centered on the platform opening. See door and gate details for construction openings.

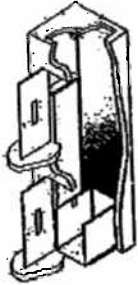
Note: Overall dimensions and running clearances conform to ASME-A18.1. Dimensions are to finished walls.



Left hand configuration shown, right hand opposite.

Platform Size	Hoistway dimensions	
	Width	Depth
38" x 48"	51 1/2" to 51 1/2"	50 1/2" to 51 1/2"
36" x 60"	51 1/2" to 51 1/2"	58 1/2" to 58 1/2"
36" x 60"	51 1/2" to 51 1/2"	62 1/2" to 63 1/2"
42" x 60"	58 1/2" to 58 1/2"	63 1/2" to 64 1/2"

Hoistway layout
Enter/exit same side platform



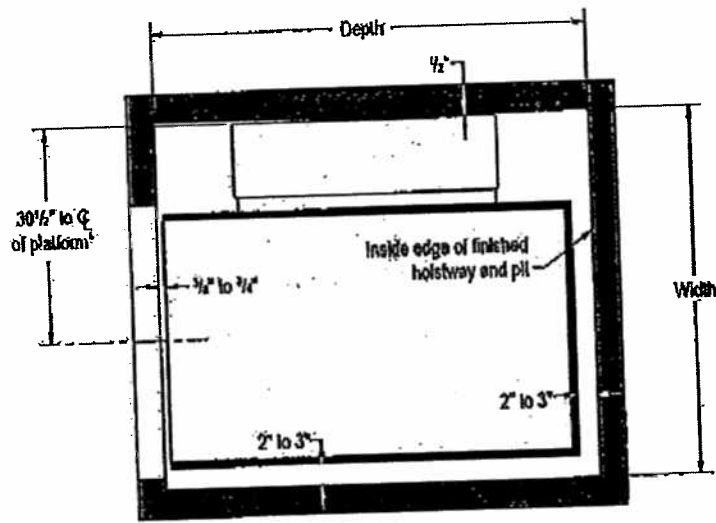
- 3 Sizes: 36" x 48" (standard)
- 36" x 56"
- 36" x 60"

Lifting height must be a minimum of 8'-0".
 Available with 2 stops only.

6'-6" minimum above top landing floor required for overhead clearance.

² Doors and gates are to be centered on the platform opening. See door and gate details for construction openings.

Note: Overall dimensions and running clearances conform to ASME A18.1. Dimensions are to finished walls.



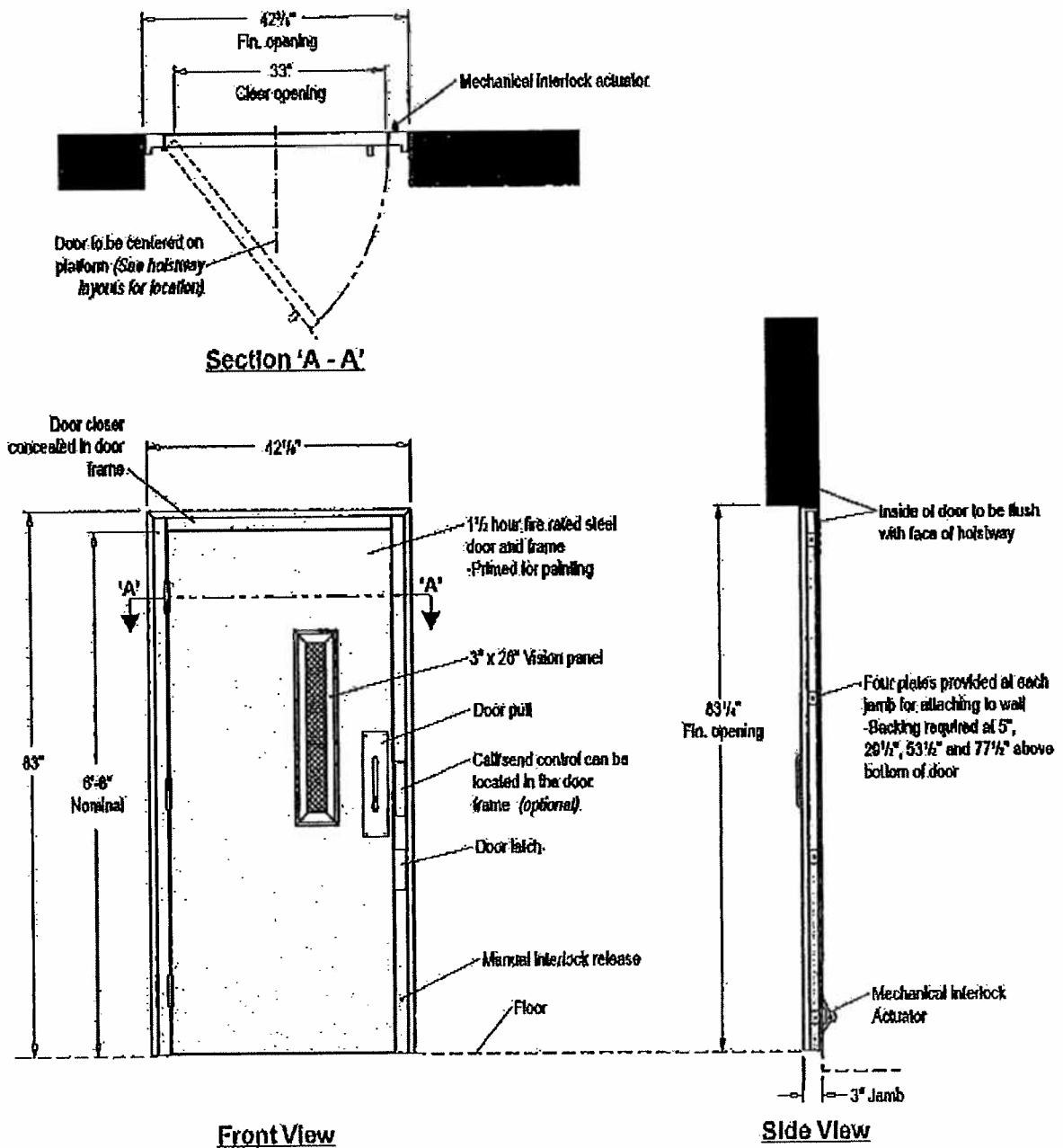
Left hand configuration shown; right hand opposite.

Platform Size	Hoistway dimensions	
	Width	Depth
36" x 48"	51" to 52"	50 1/4" to 51 1/4"
36" x 56"	51" to 52"	56 1/4" to 59 1/4"
36" x 60"	51" to 52"	62 1/4" to 63 1/4"

Doors

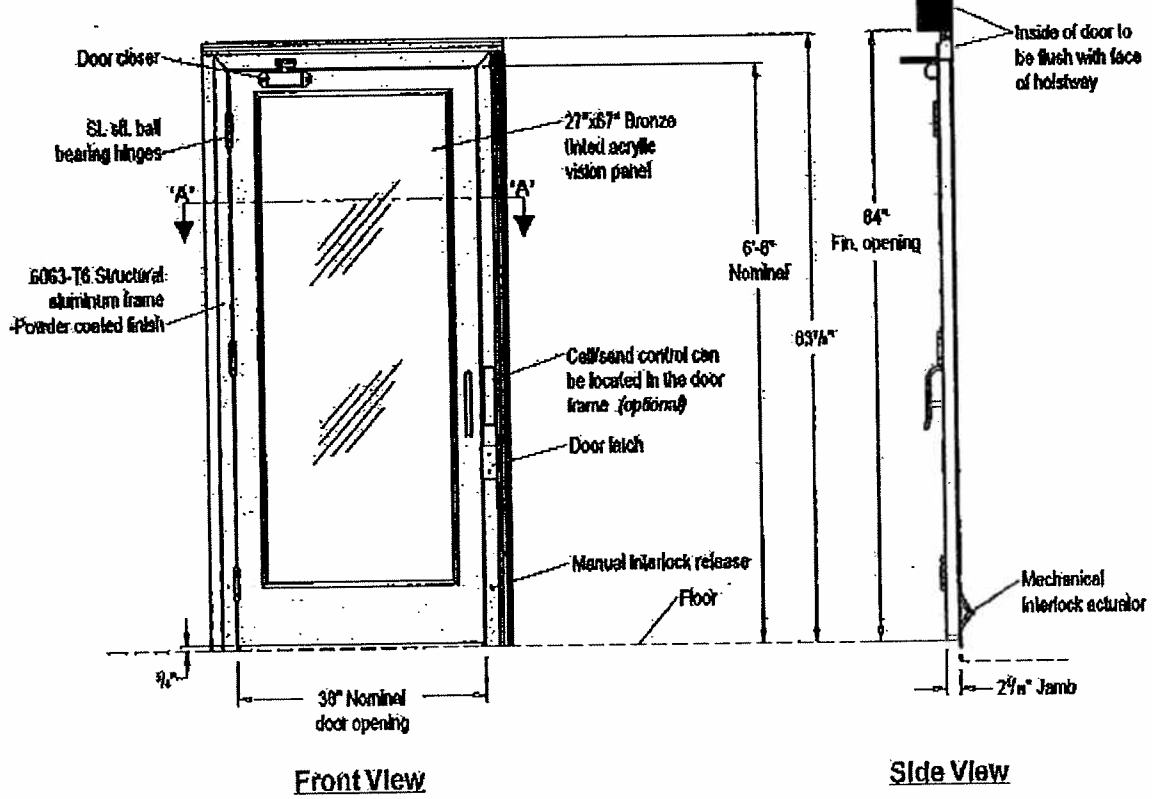
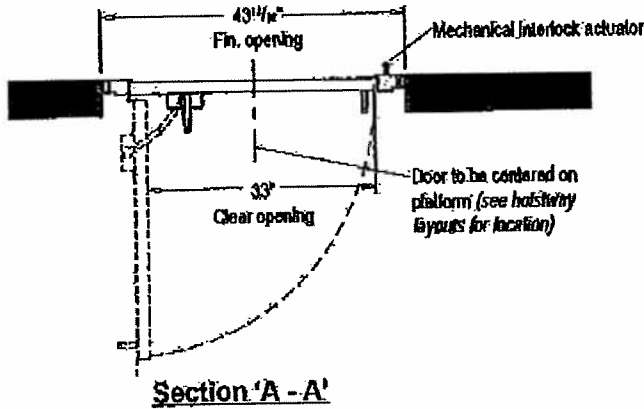
Fire rated door with VDR™ interlock

- 1 1/2 hour 'B' label fire rating.
- Constructed of steel sheet metal, primed for painting at jobsite.
- Holstway side of door and frame is mounted flush with the holstway wall.
- U.L. Listed mechanical interlock included inside door frame.
- Call/send control can be mounted in the door frame adjacent to the door pull (optional).



Non-fire rated door with VDR® interlock (similar to door on the model PL-ENC Enclosure)

- Constructed of structural aluminum extrusions, powder coated finish.
- Holstway side of door and frame is mounted flush with the holstway wall.
- UL listed mechanical interlock included inside door frame.
- Cell/sand control can be mounted in the door frame adjacent to the door pull (optional).



Rodwins Paving, Inc.

19270 S.W. 185th Ct. Miami, FL 33170
 Tel. (305-253-5354) - Fax (305-253-5233)

Proposal

Proposal Submitted to: Roads Montessori, LLC 2733 S.W. 3rd Ave Miami, FL.	Date: 9/2/08 Phone: 305-491-7679 Fax: 305-854-2487 Re: Parking Lot
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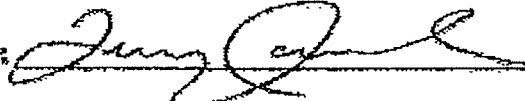
We hereby submit specifications for:

Description	Qty	Total
Removal and disposal of asphalt on east side of property. Prepare sub grade for (2) new parking spaces. Install 6" of crushed lime rock for base at new spaces and compact. Add lime rock to parking area at east side of property to raise elevation. Repair root damage and pot holes in existing asphalt. Clean surface and apply tack coat. Install 1" type S-3 hot mix asphalt over entire area. Striping: 16 reg. spaces, 3 Handicap spaces, and 1 Thermoplastic Stop bar. Supply and install 1 Stop sign, 1 Do Not Enter sign, and 3 Handicap signs. Construct 76 L.F. of concrete curbing on top of existing curbing. Note: Cost for replacing damaged wheel stops is \$35.00 each.		
Thank you for your business.	Total	\$20,836.00

We hereby propose to furnish labor & materials - complete in accordance with the above specifications. With payment to be as follows:
 30% to sign, 30% after issue, 30% after accept, 10% upon completion

All material is guaranteed to be as specifications. All work to be complete in a workmanlike manner according to standard practices. Any alterations or deviations from above specifications involving extra cost, will be executed only upon written orders, and will become an extra charge over & above the estimate. All new paving work (including asphalt resurfacing and repair or patching) is warranted for a period of (1) year from completion date. Warranty VOID due to: improper mix, improper grade or weeds, improper use, or lack of maintenance. All agreements contingent upon strikes, accidents or delays beyond our control. This proposal subject to acceptance within 30 days and is void thereafter at the option of the undersigned.

Note: Permit fee and service charge not included in price. Service charge minimum of \$100.00 unless specified. Rodwins Paving, Inc. is not to be held responsible for any sprinkler system or underground utility damage caused by heavy machinery or digging and any damage to specific existing property as described below.

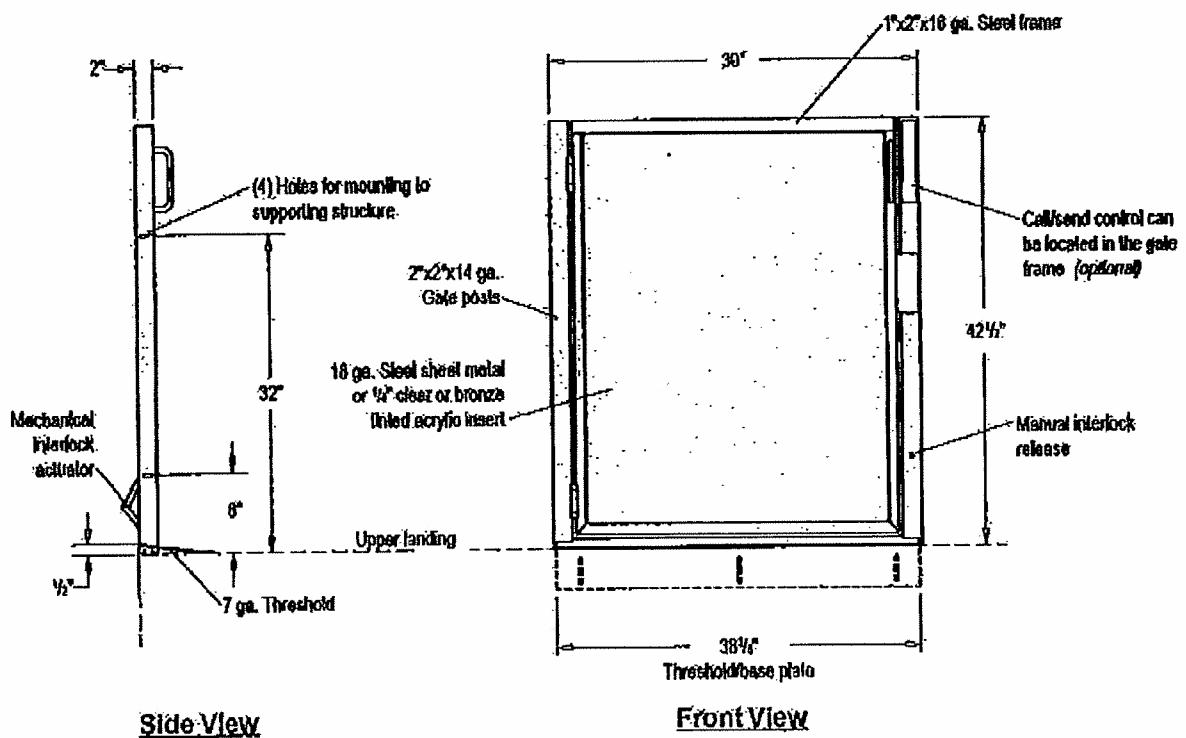
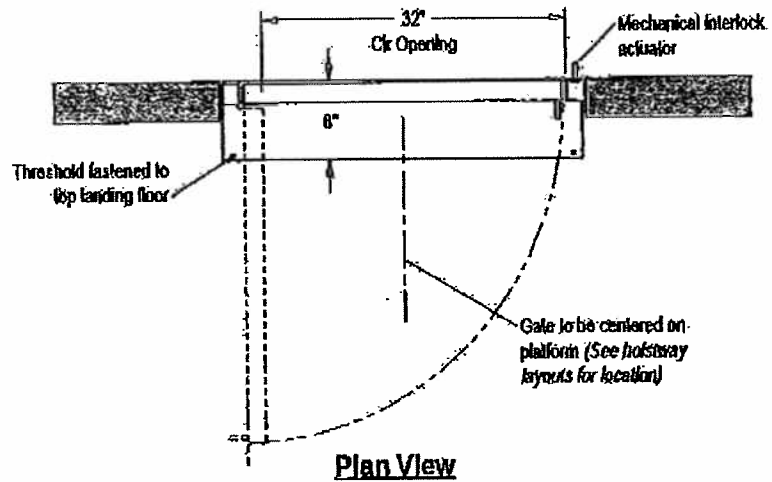
Company Representative: 

Acceptance of proposal
 The above prices, specifications and conditions are hereby accepted. You are authorized to do work as specified.

Accepted Signature _____ Date _____

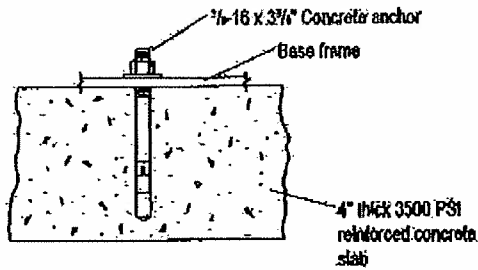
Top landing gate with VDR™ interlock

- Holway side of gate and frame is mounted flush with the holway wall.
- UL listed mechanical interlock included inside door frame.
- Call/send control can be mounted in the gate frame adjacent to the door pull (optional).
- An extra wide (3" gate) can be provided for use with a 90° exit platform.

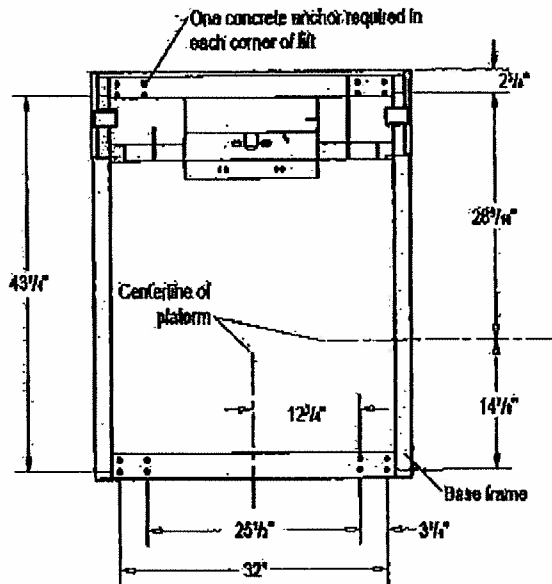


Mounting details

Floor anchor detail



Base frame anchor locations



Machine tower anchor locations

If the lifting height of the unit is over 75", the machine tower must be anchored to a supporting structure at two points within 12" of the top of the tower.

Pull out force at top anchor:

Model	LBF
PL-S 98	235
PL-S 120	181
PL-S 144	181
PL-S 108	139

*Top support located within 12" of the top of the machine tower. Does not include safety factor.

Static anchoring load calculations

Floor loading of PL-S with ballscrew drive

Ballscrew Drive Lift Model	Tower Weight T lbs	Car Weight C lbs	Payload Weight P lbs	Rear Support* R1 lbs	Front Support* R2 lbs	Top Support** R3 lbs	Minimum Support Hgt H inches	Uniform Floor Loading*** Footprint = 344 in. ² psi
PL-S 36	386	300	750	809	716			4.43
PL-S 50	424	300	750	845	719			4.54
PL-S 72	483	300	750	900	723			4.72
PL-S 90	548	300	750	961	727	524	75	4.91
PL-S 120	613	300	750	1021	732	397	99	5.10
PL-S 144	678	300	750	1082	736	320	123	5.28
PL-S 160	743	300	750	1142	741	267	147	5.47

Floor loading of PL-S with hydraulic drive

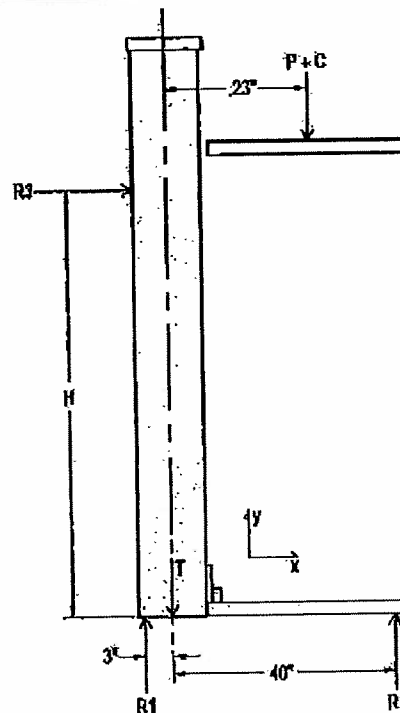
Hydraulic Drive Lift Model	Tower Weight T lbs	Car Weight C lbs	Payload Weight P lbs	Rear Support* R1 lbs	Front Support* R2 lbs	Top Support** R3 lbs	Minimum Support Hgt H inches	Uniform Floor Loading*** Footprint = 344 in. ² psi
PL-S 10	547	300	750	859	727			4.90
PL-S 72	641	300	750	1047	734			5.18
PL-S 90	743	300	750	1142	741	524	75	5.47
PL-S 120	846	300	750	1237	748	397	99	5.77
PL-S 144	948	300	750	1333	755	320	123	6.07
PL-S 160	1051	300	750	1429	762	267	147	6.37

Notes:

- * Assume point loads at front and rear of machine tower.
- * Divide total load per quantity of anchors.
- * Loads are in compression.
- ** Loads are in tension.
- ** Minimum safety factor of 4 recommended.
- *** Applicable only with level pad with no shims.

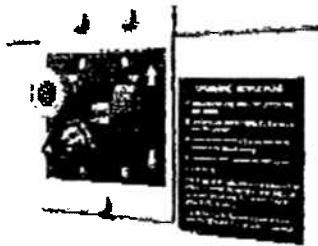
Calculations do not include forces due to wind, seismic loading or snow loading, and do not include forces due to acceleration.

Increasing support height (H) decreases R3 anchor load. Consult factory for details.



Features

Platform controls



Used to control the platform while riding on the platform.

- Constant pressure up and down paddle switch.
- Key switch with key removable in "off" position only.
- Emergency stop switch (push to 'stop', pull to 'run' operation) and signalling device. *Signalling device is an alarm that sounds when the emergency stop is activated.*
- Illuminated alarm button to sound the alarm at anytime.

Call/send controls

Shown with optional Emergency Stop Switch and Surface Mount Box



Used to control the platform from a landing.

- Constant pressure up and down paddle switch.
- Can be provided with or without an emergency stop switch and signalling device. *Signalling device is an alarm that sounds when the emergency stop is activated.*
- Key switch with key removable in "off" position only.
- Shipped with a water tight black plastic box that can be surface mounted to a wall or can be flush mounted by recessing an electrical double gang box into the wall.
- Conduit and wires between control and the lift are to be provided by others.
- The call/send control can also be integrated into gates or doors.

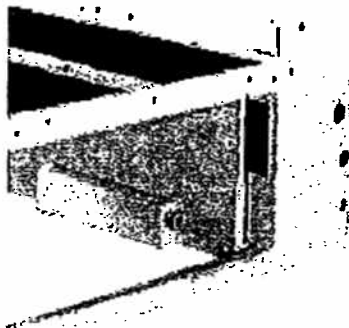
Remote emergency lowering switch (optional on hydraulic drive only)



Used to lower the platform in the event of an emergency:

- To be located at the lower landing within sight of the platform.
- Constant pressure key switch; turn key to lower platform.
- Shipped with a water tight metal box that can be surface mounted to a wall or can be flush mounted by recessing an electrical gang box into the wall.
- All safety devices are disabled during operation of switch.
- Conduit and wires between control and the lift are to be provided by others.
- This is in addition to the standard manual emergency lowering relief valve.

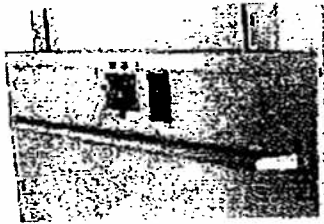
Pit switch (optional)



Used to disable all controls while maintenance is being performed underneath the platform.

- Mounted to bottom of machine lower within arms reach of the lower landing door.
- Push to 'stop', pull to 'run' operation.

Grab rail



- Used to assist a wheelchair user in maneuvering on the platform.
- Mounted on platform guard panel on machine lower side.
 - Located 33" above platform floor.

Fixed access ramp



- Used when the lift is mounted to the lower landing floor (vs. mounting inside a pit.)
- 1:12 slope.
 - 43" wide x 31 1/2" deep.
 - Non-skid surface.
- Note: Lower landing door must be blocked (up 3") to accommodate the fixed access ramp.*

AutoOpener™ (optional)



- Automatically opens gate or door when platform stops at the landing.
- Mounts to wall near top of gate/door on the hinge side. Backing is required by contractor.
 - Automatically reverses when an obstruction is encountered.
 - If platform is already at the landing, gate/door can be opened by pressing call/send switch.
 - Requires 116 VAC outlet near the top of the gate/door on the hinge side of each landing.

Battery disconnect (optional on hydraulic drive only)

- Used to disable lift without disconnecting the batteries.
- Located inside the machine lower.

Telephone jack (optional)

- Used to provide telephone service for the user in event of an emergency.
- Located near the platform controls.
 - Telephone or ADA compliant equipment provided by building owner.

Optional colors

- The standard color for all equipment is Ivory.
- Optional colors of sable brown, pearl gray or taupe are available.
- Special order colors (select from 160 RAL colors) are available at a premium. Download color chart at www.accessaid.com/rel

**SECTION 14420
WHEELCHAIR LIFTS**

PART 1 GENERAL

1.01 SUMMARY

A. A vertical platform (wheelchair) lifting device, manufactured by Access Industries, designed to provide access to or within a building for mobility impaired persons. Lift consists of machine tower and lifting platform selected and dimensioned to provide adequate lifting height to suit building access requirements indoors and out.

1.02 REFERENCES

A. Lift shall be designed, manufactured and installed in accordance with the following standards:

1. American National Standards Institute (ANSI).
2. American Society of Mechanical Engineers (ASME).
3. ADA Accessibility Guidelines (ADAAG).
4. Underwriters Laboratories (UL).
5. International Building Code (IBC).
6. National Electrical Code (NEC).
7. American Society for Testing Materials (ASTM).
8. American Welding Society (AWS).

1.03 SYSTEM DESCRIPTION

A. Drive: (specify):

1. AC powered ballscrew drive; 1/2 hp, 120 V, 60Hz, instant reversing motor.
2. Battery powered ballscrew drive; 1/2 hp, VDC, instant reversing motor with two 12 V, 33 AH, sealed no maintenance batteries with 24V 1.7 amp "smart charge" battery charger.
3. Battery powered 1:2 roped hydraulic drive; 3/4 hp, 24 VDC pump motor with two 12 V, 33 AH, sealed no maintenance batteries with 24 V 3.3 amp "smart charge" battery charger.

B. Number of Stops: (specify) 2 stops or 3 stops.

C. Platform Configuration: (specify) straight thru, 90° exit or enter/exit same side.

D. Maximum Travel: (specify) 39", 63", 75", 89", 123", 147" or 171".

E. Rated Load: 750 lbs. with minimum safety factor of 5X.

F. Rated Speed: 9-12 fpm (ballscrew drive) or 18-21 fpm (hydraulic drive) with rated load.

G. Platform Size: (specify) 36"x48", 36"x56" or 36"x48" with 42" high guard panels.

H. Main Power Supply Wiring: Electrical contractor shall provide 115 VAC, single phase, 20 amp, 60 Hz power circuit.

J. Operating Features:

1. Platform Controls: Directional paddle switch, on/off key switch, emergency stop switch with alarm and illuminated alarm button.
2. Landing Controls: Directional paddle switch and on/off key switch (specify options); emergency stop switch with alarm, mounted inside gate/door frames.
3. Constant pressure operation.
4. Grounded electrical system with upper, lower and final limit switches and 24 V operating controls.
5. Platform underpanel equipped with obstruction sensors.

6. Ramp with incline of 1:12 (required if lift is not installed in a pit).
7. Non-slip surface on platform floor and ramp.
8. Grab rail on platform.
9. Manual lowering device.
10. Remote emergency lowering switch (optional on hydraulic drive).

11. Integral ballscrew safety device and electromechanical brake (ballscrew drive).

12. Broken rope safety device and flow control valve (hydraulic drive).

13. Pit switch (where required by code).

14. Telephone Jack on platform (optional).

15. Upper Landing Gate/Door: (specify):

- a. 42" high, self-closing gate with VDR™ mechanical interlock and (specify) steel sheet or acrylic insert panel.
- b. 8'-8" self-closing, flush mount, 1-1/2 hour fire rated door with VDR™ mechanical interlock and 3"x28" glass vision panel.
- c. 6'-8" self-closing, flush mount, non-fire rated door with VDR™ mechanical interlock and 27"x87" bronze tinted acrylic vision panel.

16. Lower/Middle Landing Door: (specify):

- a. 6'-8" self-closing, flush mount, 1-1/2 hour fire rated door with VDR™ mechanical interlock and 3"x28" glass vision panel.
- b. 8'-8" self-closing, flush mount, non-fire rated door with VDR™ mechanical interlock and 27"x87" bronze tinted acrylic vision panel.

17. Automatic Gate/Door opener (optional).

1.04 QUALITY ASSURANCE

A. Manufacturer: Provide wheelchair lift manufactured by a firm with a minimum of 25 years experience in fabrication of wheelchair lifts equivalent to those specified.

B. All designs, clearances, workmanship and material, unless specifically excepted, shall be in accordance with all codes having legal jurisdiction.

C. All load ratings and safety factors shall meet or exceed those specified by all governing agencies with jurisdiction and shall be certified by a professional engineer.

D. Lift shall be subject to applicable state, local and city approval prior to installation and subject to inspection after installation. Determination of and adherence to these regulations is the responsibility of the lift contractor.

E. Welders certified in accordance with requirements of AWS D1.1 shall perform all welding of all parts.

F. Substitutions: No substitutions permitted.

1.05 WARRANTY

A. Manufacturer shall warrant the Porch-Lift® vertical platform lift's drive system for a period of two years after installation and all other components for one year after installation.

B. Extended Warranty (optional): Manufacturer shall warrant the Porch-Lift® vertical platform lift for a period of (specify) 3 or 5 years after installation with the purchase of a preventative maintenance program from lift contractor for an equal number of years.

1.06 MAINTENANCE

A. The Porch-Lift® vertical platform lift must be maintained in accordance with manufacturer's instructions.

PART 2 PRODUCT**2.01 MANUFACTURER**

A. Provide Porch-Lift® vertical platform lift model PL-S manufactured by Access Industries.

1. Contact: 4001 E. 138th Street, Grandview, MO; Telephone: 800-825-3100; Fax: 816-763-4467; Email: archassis1@accessind.com; Web site: www.accessind.com

2.02 MATERIAL

- A. Machine Tower: 14 ga. steel sheet.
- B. Guide Rail: 3" x 2" x 1/8" ASTM A500 grade B steel tubing.
- C. Base Frame: 2" x 2" x 1/4" structural steel tubing and angle.
- D. Lift Weldment: 3/8" hot rolled steel plate and 2" x 2" x 1/4" wall structural steel tubing.
- E. Side Guard Panels: 18 ga. galvanized steel sheet in 1" x 2" x 14 ga. steel tubing frame.
- F. Front Access Panel: 20 ga. galvanized steel sheet.
- G. Platform: 11 ga. steel plate.
- H. Access Ramp: 11 ga. steel plate.

2.03 FINISHES

A. Components shall be prepared with 1) alkaline detergent wash, 2) clear water rinse, 3) iron phosphate coating, 4) clear water rinse and finished with electrostatically applied and baked thermosetting powder coat finish for indoor or outdoor use. Standard color is Ivory.

2.04 ELECTRICAL SYSTEMS

- A. The electrical contractors shall provide a 115V, single phase, 20 amp, 60 Hz electrical power source connection.
- B. Electrical piping and wiring supplied by others.
- C. Final electrical connections performed by lift contractor.

PART 3 EXECUTION**3.01 ACCEPTABLE INSTALLERS**

- A. Installers shall be experienced in performing work of this section who have specialized in work comparable to that required for this project.
- B. Installers shall be certified and trained by the manufacturer.

3.02 EXAMINATION

A. Use field dimensions and approved manufacturer's shop drawings to examine substrates, supports and other conditions under which this work is to be performed. Do not proceed with work until unsatisfactory conditions are corrected.

3.03 INSTALLATION

- A. The Porch-Lift® vertical platform lift shall be installed in accordance with manufacturer's instructions and as specified and approved by architect.
- B. Landing gates and doors shall be installed by others. Electrical piping and wiring by others. Final electrical connections and lift adjustments by lift contractor.

3.04 DEMONSTRATION

A. The lift contractor shall make a final check of the lift's operation with the Owner or Owner's representative present prior to turning the lift over for use. The lift contractor shall determine that operating and safety devices are functioning properly.

END OF SECTION

Notes: Go to www.accessind.com to download this specification in CSI format.

Inherent of specification is to broadly outline equipment required but does not cover details of design and construction.

Dimensions and specifications are subject to constant change and continually evolving codes and product applications. For additional technical information, contact Access Industries at 800-825-3100 or www.accessind.com.

Visit our web site at www.tkaccess.com for more information including complete 3-part specifications, CAD details, and typical drawings.

Specifications and/or colors subject to change without notice.

Porch-Lift Specifications/Options	Model				
	S	TG	ENC 2.0	EZE	P
Rated load:			760 lbs.		
Speed with rated load: ball screw drive optional hydraulic drive			8-12 fpm 18-21 fpm		8-12 fpm
Power supply:			115 VAC, 60 Hz, 20 amp		
Motor:			A/C ball screw: 1/2 hp, 120 VAC, 60 Hz reversible D/C ball screw: 1/2 hp, 24 VDC, reversible D/C hydraulic: 3/4 hp motor, 24 VDC		A/C ball screw: 1/2 hp, 120 VAC, 60 Hz
Drive system: A/C powered ball screw Battery powered ball screw Battery powered hydraulic	Standard Optional Optional	Standard Optional Optional	Standard Optional Optional	Standard Optional Optional	Standard n/a n/a
Platform sizes:	36"x48" Std, 36"x66" Opt, 38"x68" Opt, 42"x60" Opt (80" only)	36"x60" Std, 36"x48" Opt	36"x68" Std	36"x60" Std	36"x48" Std
Platform configurations: Straight thru 90° turn with Endo/Exti ramps side	Standard Optional Optional	Standard Optional n/a	Standard Optional Optional	Standard Optional Optional	Standard n/a n/a
Platform controls:	Constant pressure paddle with key lock and emergency stop and alarm				
Maximum lifting height:	14'-3"	4'-4"	14'-3"	14'-2"	6'-9"
Maximum steps:	3	2	3	3	2
Remote controls with key lock:	Optional	Standard	Optional	Standard	Standard
Heavy powder coat finish:	Standard	Standard	Standard	Standard	Standard
42" high guard panels:	Standard	Standard	Standard	Standard	Optional
Grab rail:	Standard	Optional	Optional	Optional	n/a
Select from gable or standard sized doors, including fire-rated doors and extra wide gates:	Optional	Optional	Optional	Optional	Powered note
Fixed access ramp, or optional automatic folding ramp for applications where there is no pit:	Standard	Standard	Standard	Standard	Optional
Over 100 custom colors:	Optional	Optional	Optional	Optional	n/a
Acrylic glass panel inserts:	Optional	Optional	Optional	Optional	n/a
Auto-Opener™ for doors and gates:	Optional	Optional	Optional	Optional	n/a
Aluminum operated package:	Optional	n/a	Optional	Optional	n/a
Telephone jack on platform:	Optional	Optional	Optional	Optional	n/a
Warranty: 2 year drive train, 1 year parts:	Standard	Standard	Standard	Standard	Standard
UL listed up to 144" lifting height:	Standard	Standard	Standard	Standard	n/a
ASME A-18.1 code compliant:	Standard	Standard	Standard	Standard	n/a



ThyssenKrupp Access has teamed with McGraw Hill Construction to become a Continuing Education System (CES) provider.

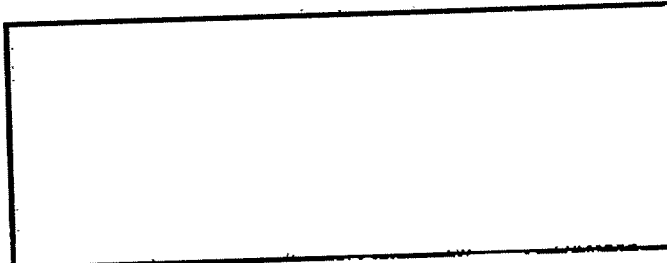
This is a free online-based, self-paced, interactive course. Course credits are automatically reported and a course report and certificate of completion are automatically provided. For more information, go to www.tkaccess.com/ces



ThyssenKrupp Access Corp.
4001 East 138th Street
Grandview, MO 64030

Committed to improving the quality of life. ThyssenKrupp Access, the world's most trusted name in accessibility and home elevator solutions.

Manufactured in USA since 1947.

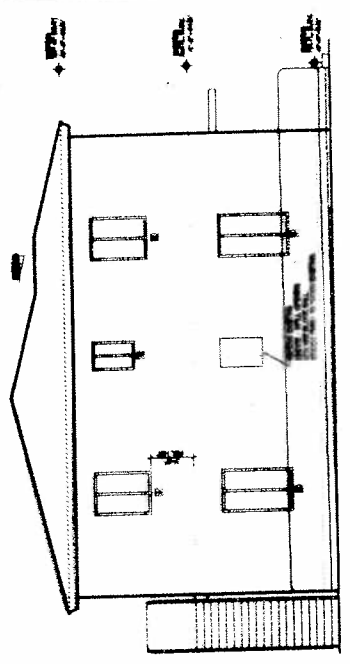


800.829.9760
www.tkaccess.com

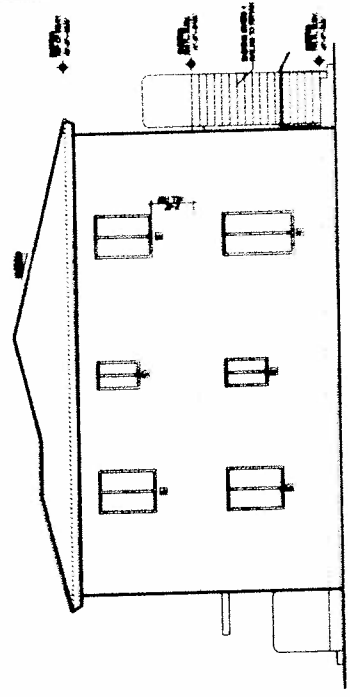
WINDOW SCHEDULE

NO.	TYPE	FINISH	GLASS	SCREEN	MARKING
1	6" x 6"	WOOD	CL	NO	6" x 6"
2	6" x 6"	WOOD	CL	NO	6" x 6"
3	6" x 6"	WOOD	CL	NO	6" x 6"
4	6" x 6"	WOOD	CL	NO	6" x 6"
5	6" x 6"	WOOD	CL	NO	6" x 6"
6	6" x 6"	WOOD	CL	NO	6" x 6"
7	6" x 6"	WOOD	CL	NO	6" x 6"
8	6" x 6"	WOOD	CL	NO	6" x 6"
9	6" x 6"	WOOD	CL	NO	6" x 6"
10	6" x 6"	WOOD	CL	NO	6" x 6"
11	6" x 6"	WOOD	CL	NO	6" x 6"
12	6" x 6"	WOOD	CL	NO	6" x 6"
13	6" x 6"	WOOD	CL	NO	6" x 6"
14	6" x 6"	WOOD	CL	NO	6" x 6"
15	6" x 6"	WOOD	CL	NO	6" x 6"
16	6" x 6"	WOOD	CL	NO	6" x 6"
17	6" x 6"	WOOD	CL	NO	6" x 6"
18	6" x 6"	WOOD	CL	NO	6" x 6"
19	6" x 6"	WOOD	CL	NO	6" x 6"
20	6" x 6"	WOOD	CL	NO	6" x 6"
21	6" x 6"	WOOD	CL	NO	6" x 6"
22	6" x 6"	WOOD	CL	NO	6" x 6"
23	6" x 6"	WOOD	CL	NO	6" x 6"
24	6" x 6"	WOOD	CL	NO	6" x 6"
25	6" x 6"	WOOD	CL	NO	6" x 6"
26	6" x 6"	WOOD	CL	NO	6" x 6"
27	6" x 6"	WOOD	CL	NO	6" x 6"
28	6" x 6"	WOOD	CL	NO	6" x 6"
29	6" x 6"	WOOD	CL	NO	6" x 6"
30	6" x 6"	WOOD	CL	NO	6" x 6"

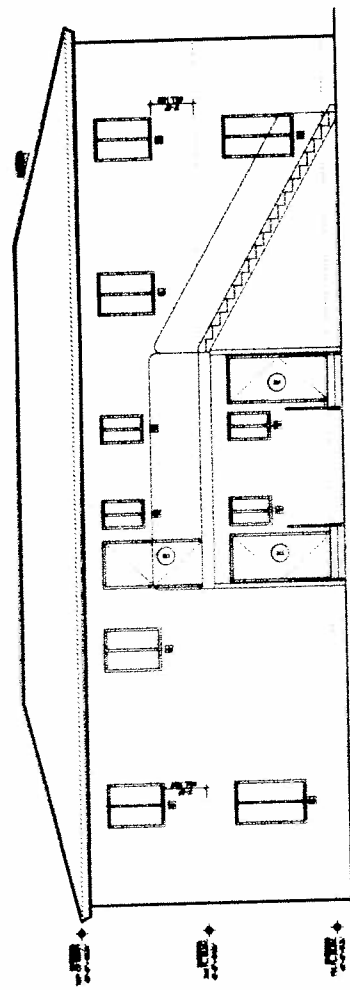
NOTES:
1. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
2. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
3. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
4. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
5. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
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12. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
13. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
14. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
15. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
16. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
17. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
18. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
19. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
20. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
21. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
22. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
23. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
24. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
25. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
26. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
27. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
28. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.
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30. ALL WINDOWS TO BE INSTALLED WITH PROTECTIVE GLASS AS SHOWN.



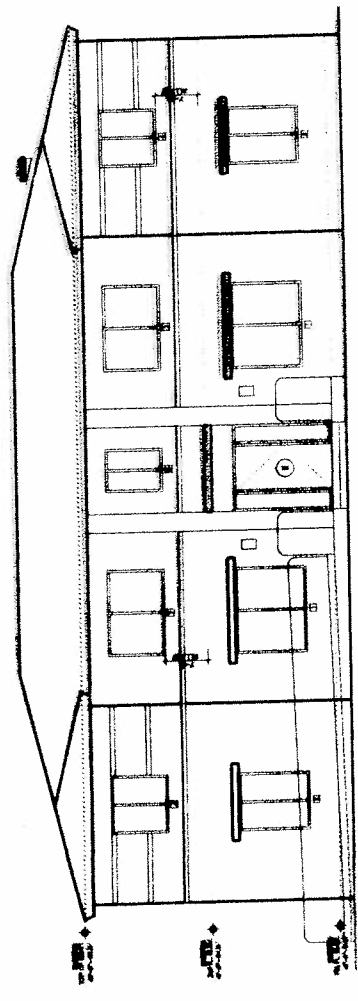
NORTHEAST ELEVATION
LEFT SIDE ELEVATION



SOUTHWEST ELEVATION
RIGHT SIDE ELEVATION



SOUTHEAST ELEVATION
REAR ELEVATION



NORTHWEST ELEVATION
FRONT ELEVATION

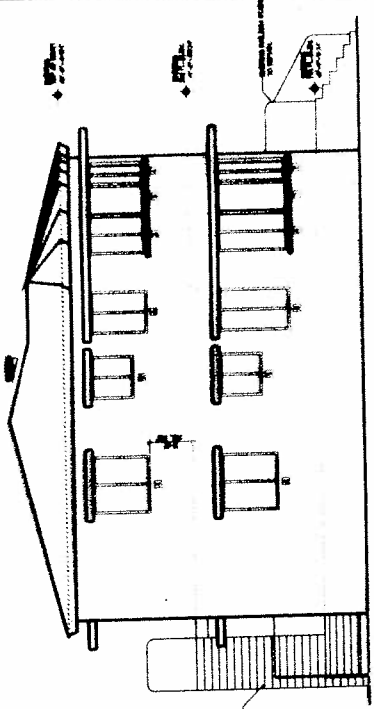
4400 CORAL WAY
MIAMI, FLORIDA 33184
PHONE: 305-442-1200
FAX: 305-442-1170
MANUEL V. POSE
ARCHITECT

LA PRIMA CASA MONTESSORI SCHOOL
BUILDING "A"
ADDRESS: 281 SW 25th Road MIAMI, FLORIDA 33135
OWNER: ROADS MONTESSORI, L.L.C.

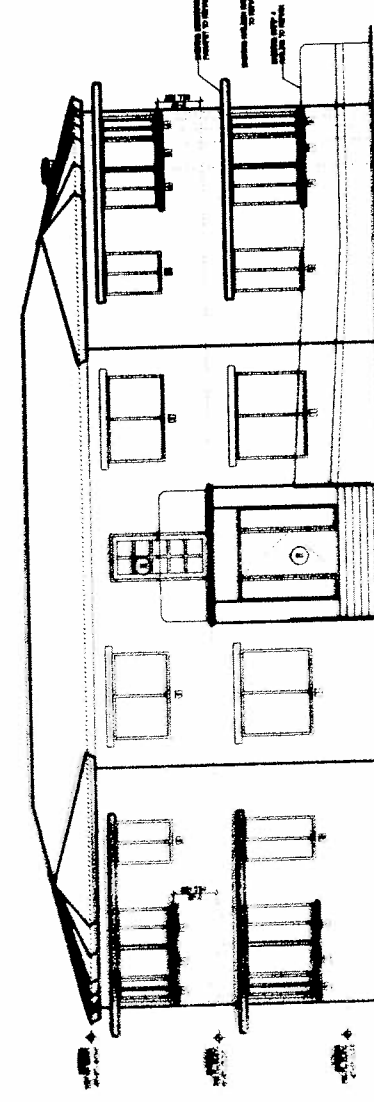
DATE: 07-20-05
DRAWN: J.M.
JOB NO.: 05-167
SCALE: AS SHOWN
NETWORK

WINDOW SCHEDULE

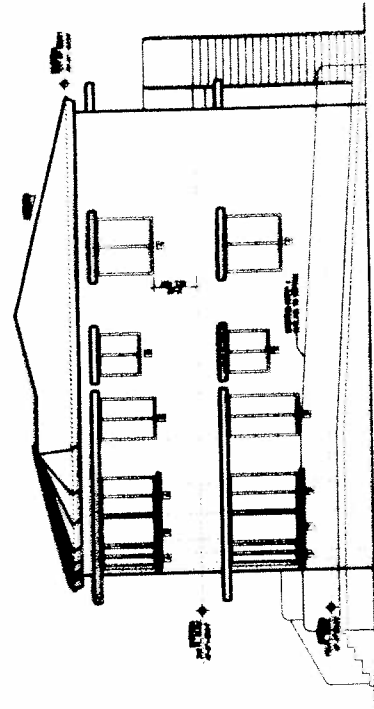
NO.	SYMBOL	TYPE	FINISH	REMARKS
1	1	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
2	2	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
3	3	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
4	4	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
5	5	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
6	6	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
7	7	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
8	8	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
9	9	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
10	10	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
11	11	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
12	12	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
13	13	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
14	14	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
15	15	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
16	16	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
17	17	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
18	18	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
19	19	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
20	20	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
21	21	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
22	22	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
23	23	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
24	24	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
25	25	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
26	26	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
27	27	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
28	28	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
29	29	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
30	30	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
31	31	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
32	32	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
33	33	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
34	34	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
35	35	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
36	36	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
37	37	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
38	38	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
39	39	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
40	40	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
41	41	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
42	42	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
43	43	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
44	44	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
45	45	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
46	46	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
47	47	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
48	48	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
49	49	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH
50	50	6'0" x 4'0" DOUBLE HUNG	WOOD	FRONT PORCH



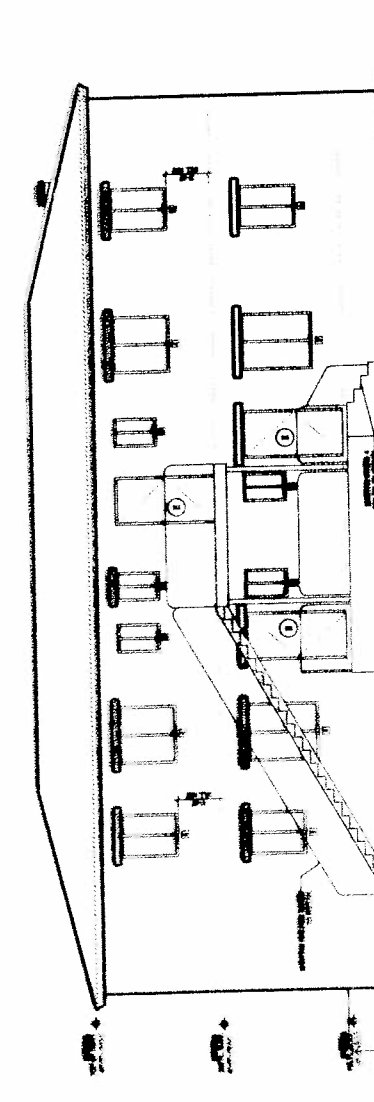
NORTHWEST ELEVATION
LEFT SIDE ELEVATION



SOUTHWEST ELEVATION
REAR ELEVATION



SOUTHEAST ELEVATION
LEFT SIDE ELEVATION



NORTHEAST ELEVATION
REAR ELEVATION

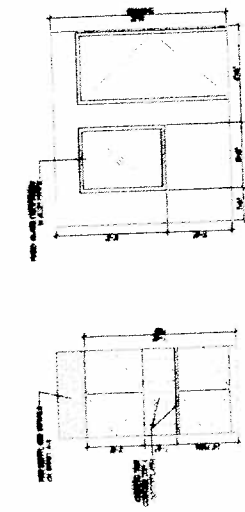
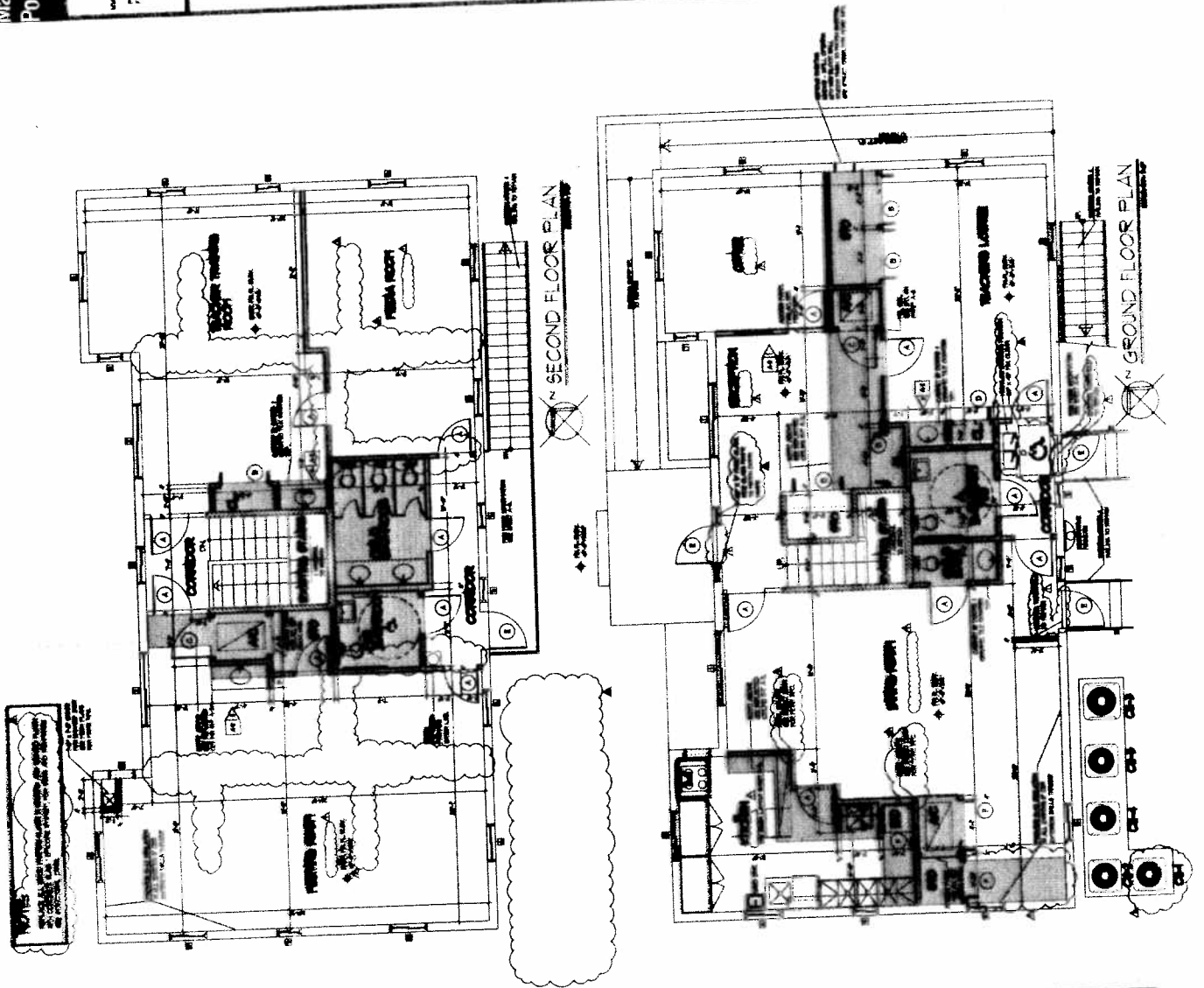
3408 CONN. HWY.
SUITE 200
MIAMI, FLORIDA 33134
PHONE: (305) 486-1800
FAX: (305) 486-1810
MANUEL V. POSE
AIA 117005

LA PRIMA CASA MONTESSORI SCHOOL
BUILDING "B"
ADDRESS: 2729 SW 3RD AVE MIAMI, FLORIDA 33135
OWNER: MONTESSORI, LLC

DATE: 07-24-02
PROJECT: LA
JOB NO.: 02-107
SCALE: 1/4"=1'-0"
REVISION:
A LAMB CITY COMMENTS
A LAMB STREET CHANGES
A LAMB CITY COMMENTS
A LAMB AND CHANGES

DATE: 07-24-02

A-2



INTERIOR ELEVATION

- GENERAL NOTES:**
1. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 2. ALL MATERIALS AND FINISHES TO BE INCLUDED BY AIA AS ALLOWANCE. QUANTITIES TO BE SUPPLIED BY OWNER.
 3. ALL INTERIOR PARTITIONS SHALL BE FINISHED TO MATCH EXISTING PARTITIONS ON THIS FLOOR BY O.C.
 4. ALL WALLS, CEILING, FLOORS, AND PARTITIONS SHALL BE FINISHED TO MATCH EXISTING PARTITIONS ON THIS FLOOR BY O.C.
 5. ALL PARTITIONS, WALLS, CEILING, AND FLOORS SHALL BE FINISHED TO MATCH EXISTING PARTITIONS ON THIS FLOOR BY O.C.
 6. ALL PARTITIONS, WALLS, CEILING, AND FLOORS SHALL BE FINISHED TO MATCH EXISTING PARTITIONS ON THIS FLOOR BY O.C.
 7. ALL PARTITIONS AND WALLS TO BE SUPPLIED BY OWNER.

LEGEND

□	NEW CONCRETE BLOCK WALL
▨	NEW WALL TO EXIST
▧	EXISTING WALL TO REMAIN
▩	EXISTING WALL WITH REVISIONS
▫	EXISTING WALL WITH REVISIONS (SEE NOTES)

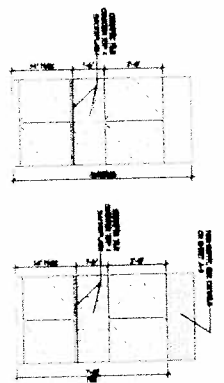
DOOR SCHEDULE

NO.	TYPE	FINISH	GLASS	MARKING	REMARKS
1	SWING	WOOD	0	0	CLASSROOM
2	SLIDING	WOOD	0	0	OFFICE
3	SWING	WOOD	0	0	STAIR
4	SWING	WOOD	0	0	STAIR
5	SWING	WOOD	0	0	STAIR
6	SWING	WOOD	0	0	STAIR
7	SWING	WOOD	0	0	STAIR
8	SWING	WOOD	0	0	STAIR
9	SWING	WOOD	0	0	STAIR
10	SWING	WOOD	0	0	STAIR

FINISH SCHEDULE

NO.	LOCATION	FINISH	REMARKS
1	CLASSROOM	WOOD	
2	OFFICE	WOOD	
3	STAIR	WOOD	
4	STAIR	WOOD	
5	STAIR	WOOD	
6	STAIR	WOOD	
7	STAIR	WOOD	
8	STAIR	WOOD	
9	STAIR	WOOD	
10	STAIR	WOOD	

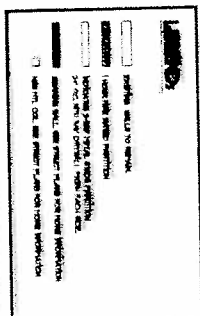
NOT TO SCALE - SEE NOTES



INTERIOR ELEVATION

GENERAL NOTES:
 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
 2. ALL MATERIALS AND METHODS TO BE USED SHALL BE APPROVED BY THE ARCHITECT.
 3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
 5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.

- GENERAL NOTES**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
 2. ALL MATERIALS AND METHODS TO BE USED SHALL BE APPROVED BY THE ARCHITECT.
 3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
 5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.

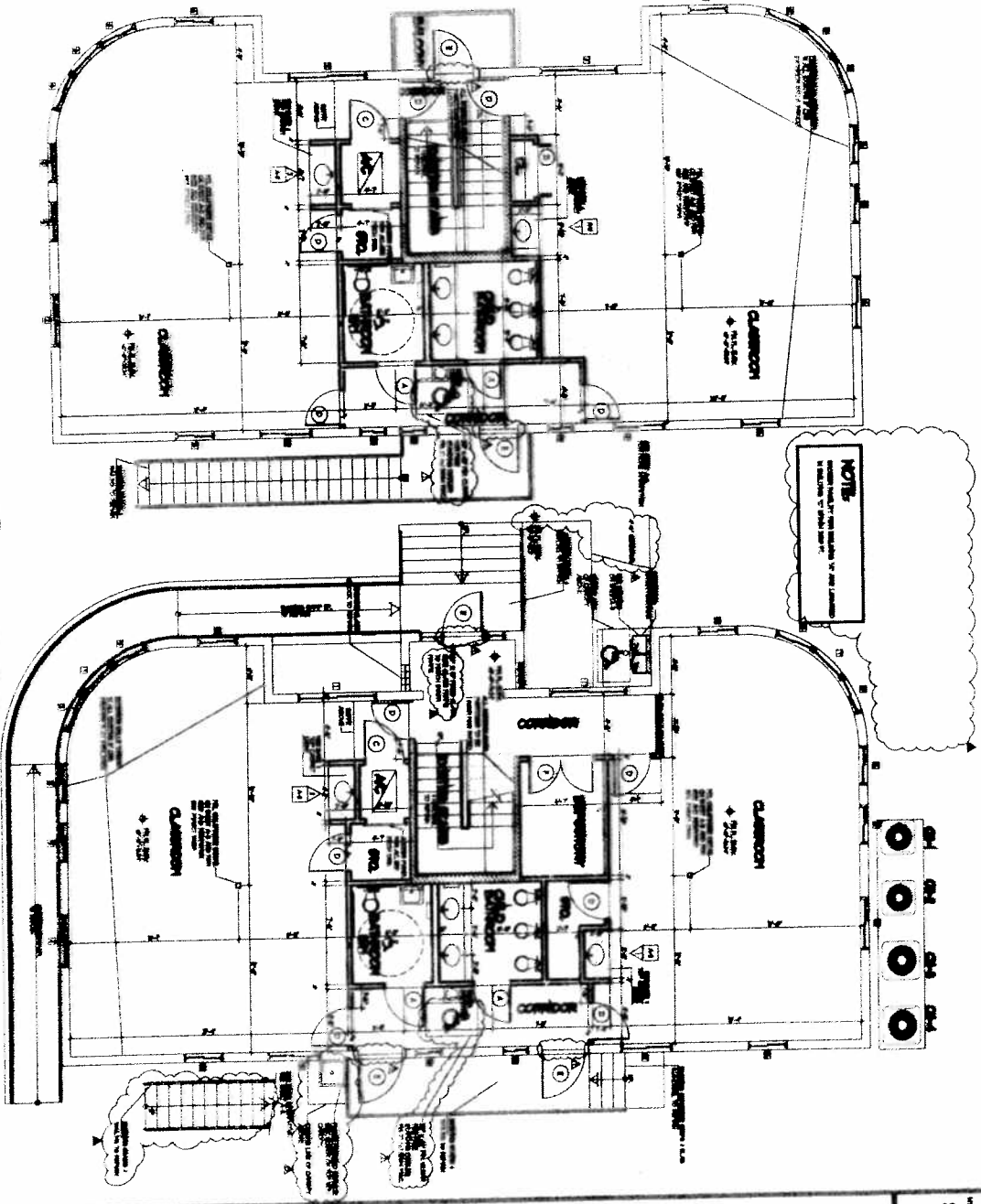


DOOR SCHEDULE

NO.	TYPE	FINISH	NOTES
1
2
3
4
5
6
7
8
9
10

FINISH SCHEDULE

NO.	TYPE	FINISH	NOTES
1
2
3
4
5
6
7
8
9
10



SECOND FLOOR PLAN

GROUND FLOOR PLAN

NOTE:
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.

NOTE:
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.

**LA PRIMA CASA MONTESSORI SCHOOL
 BUILDING "A"**
 ADDRESS: 281 SW 28th Road MIAMI, FLORIDA 33129
 OWNER: ROAD MONTESSORI, LLC.

Manuel V. Pose
 Architect

A-2