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: Xtreme Pool Challenge

Address: 161 N. Atlantic Ave., Cocoa Beach, FL 32931

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: Gary J. Patrick

Applicant's Address: 182 St. Croix, Cocoa Beach, FL 32931

Applicant's Telephone: (321) 508-4048 **FAX:**

Applicant's E-mail Address: gpatrick182@msn.com

Relationship to Owner:

Owner's Name: Gary J. Patrick

Owner's Address: 182 St. Croix, Cocoa Beach, FL 32931

Owner's Telephone: (321) 508-4048 **FAX**

Owner's E-mail Address: gpatrick182@msn.com
Signature of Owner:

Contact Person: Bradley F. White

Contact Person's Telephone: (321) 727-8100 **E-mail Address:** Brad.White@gray-robinson.com

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.

[x] 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.)

Please see attached Addendum

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

Please see attached Addendum

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.

Please see attached Addendum

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

Issue

1: Please see attached Addendum

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.

Please see attached Addendum

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

[ ] 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.

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 Addendum

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.

N/A

Signature **Printed Name**

Phone number

(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 18 day of JUNE, 2012

Gary J. Patrick
Signature

GARY J. PATRICK
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.

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

Applicant: Gary Patrick
Owner: Gary Patrick

4. Type of facility. The building is a two thousand eight hundred (2,800) square foot elevated two (2) story concrete block building. The concrete block walls have been poured solid with concrete and/or silica sand. The property is located in a "General Commercial District" of the City of Cocoa Beach and may be used for general commercial purposes. The building has not been in use since 2004. The anticipated use of the building requires a change of the occupancy classification from "Retail Mercantile" to "Assembly". The building will be used to host professional pool competitions and exhibitions which will be streamed live on the internet. A small audience of individuals invited by the owner and the contestants will be on hand to watch the competitions/exhibitions.

5. Project Construction Cost. The proposed project does not require any new construction or alteration. Light renovation activities have already been performed on the interior of the building, such as painting, cleaning and other minor repairs, but these activities are complete and no modification to the building is contemplated.

6. Project Status. All construction is complete. This request has been referred to the Commission because the City of Cocoa Beach has refused to issue a business tax receipt and a certificate of use until the building complies with the requirements of the Florida Americans with Disabilities Accessibility Implementation Act or a waiver of the requirements thereof has been obtained from the Commission.

7. Requirements Requested to be Waived. This request relates to the vertical accessibility requirements imposed under the Florida Americans with Disabilities Accessibility Implementation Act, specifically Section 553.509, *Florida Statutes*.

8. Reason(s) for Waiver Request. The owner has made a diligent investigation into the cost of complying with the vertical accessibility requirements of the Florida Americans with Disabilities Accessibility Implementation Act and, due to the existing layout, design and construction of the building, compliance with the vertical accessibility requirements is not financially feasible for the following reasons:

- The building is constructed of solid poured concrete block, including the interior walls. Accordingly, modification of the interior and exterior of the building is unusually burdensome due to the cost and difficulty of altering the existing concrete.
- The multi-level design of the building makes compliance with the vertical accessibility requirements troublesome. Useful access to the building requires access to the ground level, the 1st elevated level and the 2nd elevated level. Ground level access is needed for basic ingress and egress. 1st elevated level access is needed to access the restroom facilities located on the premises. 2nd elevated level access is needed to reach the seating area where the audience will observe the competitions.
- Due to the multi-level design of the building, a ramp is not a viable solution. Any ramp that could provide access to all three (3) elevation levels would have to be over one hundred thirty-two feet (132') long in order to satisfy the maximum slope requirement (i.e. 1' of ramp per 1" of rise) imposed by the Americans with Disabilities Act (the "Act"). The 1st elevated level is over five feet (5') high and the 2nd elevated level is over eleven feet (11') high. The entire width of the property on which the building is located is only approximately eighty feet (80') wide. Even if it were possible to construct a ramp that complied with the maximum slope requirement of the Act and that was able to service both elevated levels, the space needed to construct such a ramp would consume nearly all of the dedicated parking area and render the building unfit for its intended use.

- The layout and multi-level design of the building makes the cost of constructing an elevator unusually burdensome. The only location where an elevator shaft could be constructed to reach all three (3) levels would be the west side of the building. The elevator would have to service all three (3) levels of the building and, therefore, it would require three (3) separate stops. Each service stop adds significantly to the cost of constructing the elevator. Additionally, the elevator would require three (3) separate doors in order to service all three (3) levels. The first stop on the ground level would require an elevator door that would be located on the west side of the elevator shaft. The second stop on the 1st elevated level would require an elevator door that would be located on the north side of the elevator shaft. Finally, the third stop on the 2nd elevated level would require an elevator door that would be located on the east side of the elevator shaft. The cost of constructing an elevator shaft and installing an elevator with three (3) stops and three (3) elevator doors is extremely expensive as discussed below in the response to Question 9.

9. Documented Cost Estimates. The owner has received cost estimates from three (3) different contractors relating to the costs of constructing an elevator that would comply with the vertical accessibility requirements of the Act. Bennett Roofing & Construction L.L.C. quoted the cost of constructing the elevator shaft alone at fifty-four thousand three hundred dollars ($54,300.00). Skyline Elevator estimated the cost of installing a three (3) stop three (3) door elevator to be between one hundred thousand and one hundred twenty-five thousand dollars ($100,000.00 - $125,000.00), exclusive of the clear hoistway, power, blocking in entrances, sill angels, pit ladder and fire alarm tie in. Finally, Otis Elevator Company estimated the cost of installing a three (3) stop elevator to be approximately eighty thousand dollars ($80,000.00), exclusive of work to be performed by others. This estimate did not account for the cost of installing an elevator with three (3) different doors. As can clearly be seen by the estimates, constructing an elevator shaft and installing a three (3) stop three (3) door elevator on the property is likely to cost in excess of one hundred seventy-five thousand dollars ($175,000.00) after including all other costs for work performed by others. In 2011, the Brevard County Property

Appraiser appraised the combined value of the real property and the building at only one hundred seventy thousand dollars ($170,000.00). Having to construct an elevator at a cost that exceeds the total value of the property would make the proposed project completely unfeasible.

Re: elevator estimate

Back to messages |

Robinelev@aol.com Add to contacts
To gpatrick182@msn.com

6:52 PM
Reply

Without getting to deep in to this project (need more info) I've come up with some budget numbers to help you out for now.

A standard 3 stop elevator, all entrances in line, 2,500 LB, 125 FPM, standard cab, Stainless Steel doors, one year warranty, one year maintenance would be in the neighbor hood of $75,000.00. This is the material, equipment, installed and inspected meeting FL codes.

Items by others, clear hoistway, power, blocking in entrances, sill angels, pit ladder, fire alarm tie in, etc.

For a 3 stop elevator, with one front, one back, and one side this could cost upwards of $100,000.00 to 125,000.00. This would be a custom design and at this time I'm unsure of its cost.

This is the best I can do for now, let me know if you have any more questions.

Thanks

Robin Bell

Skyline Elevator
11306 Bay Lake Rd.
Groveland, FL 34736
P: 352-429-7688
C: 321-299-3854
F: 352-429-8582

Proposal

Page # _____ of _____ pages

GC Lic. CGC 1513896
Rf. Lic. CCC1327641

BENNETT ROOFING &
CONSTRUCTION L.L.C.
3655 Felda st.
Cocoa Fl. 32926

Ph. 321-637-1069

Proposal Submitted To:	Job Name	Job #
Address	Job Location	
	Date	Date of Plans
Phone #	Fax #	Architect

We hereby submit specifications and estimates for: Construction of elevator shaft

Work to be performed will consist of the following items.

1. Necessary excavation
2. form and pour concrete walls, including steel per specs.
3. Construct roof system.
4. Finish ~~exterior~~ of ~~elevator shaft with stucco.~~
5. Remove all debris from jobsite.

We propose hereby to furnish material and labor – complete in accordance with the above specifications for the sum of:

$ Fifty four thousand three hundred $54,300.00 Dollars

with payments to be made as follows: ~~Three equal payments of $18,100.00~~

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control.

Respectfully submitted _____

Note – this proposal may be withdrawn by us if not accepted within _____ days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature _____

Date of Acceptance

Signature

OTIS Elevator

From: **Leist, Kyle** (Kyle.Leist@otis.com)
Sent: Mon 6/11/12 8:47 PM
To: gpatrick182@msn.com (gpatrick182@msn.com)
1 attachment
HYD-PDF-P2.pdf (355.1 KB)

Attached is a typical drawing you may reference for your project. You'll see as discussed there is a minimum floor to floor height depending on the front to rear opening set up and the front to front opening. This elevator is actually machine room less (click the "HydroFit" logo in blue below for a video).

Rough budget for the elevator equipment furnished and installed for 3 stops would be $80K. This does not include your work by others.

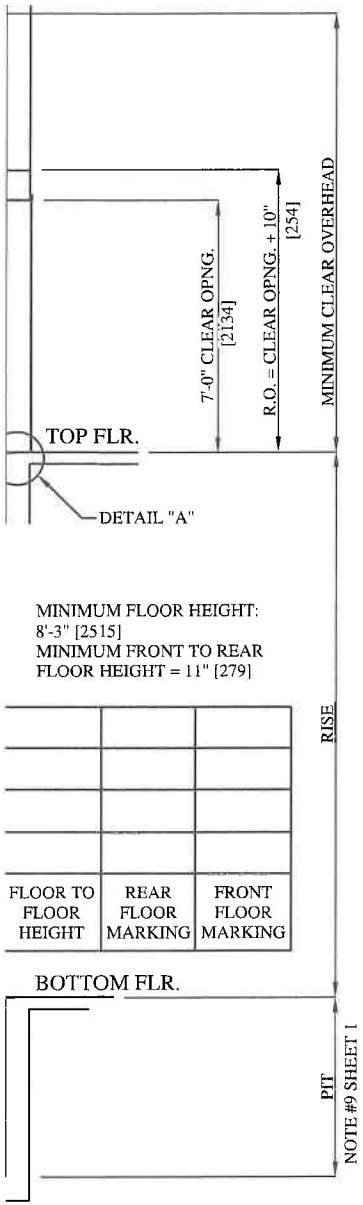
Please contact me with any questions.

Thanks,

Kyle J Leist| New Equipment Sales Rep.
Otis Elevator Company | 55 W. Pineloch Avenue Orlando, FL 32806
(:407-438-3633 x 31| È321-354-4045 | 7l 860-622-6275 |*kyle.leist@otis.com

GeN2 HydroFit

Everything fits in the hoistway. **Curious?** Click a logo to learn how.



MINIMUM FLOOR HEIGHT:
8'-3" [2515]
MINIMUM FRONT TO REAR
FLOOR HEIGHT = 11" [279]

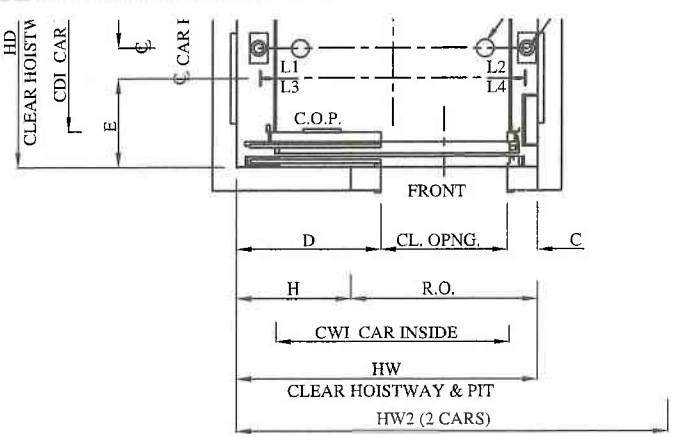
RAIL FORCE & BRACKET SPACING							MAXIMUM BRACKET SPACING
SEISMIC	ZONE 0 & 1		ZONE 2		ZONE 3 & 4		
CAPACITY	R1	R2	VX	VY	VX	VY	
2100	150 # 667 N	64 # 285 N	1319 # 5867 N	660 # 2933 N	2638 # 11734 N	1319 # 5867 N	14'-0" [4267]
2500	178 # 792 N	76 # 338 N	1279 # 5689 N	640 # 2844 N	2558 # 11378 N	1279 # 5689 N	
3000	242 # 1076 N	105 # 467 N	1229 # 5467 N	615 # 2733 N	2458 # 10933 N	1229 # 5467 N	
3500	283 # 1259 N	132 # 587 N	1179 # 5244 N	590 # 2622 N	2358 # 10488 N	1179 # 5244 N	

RAIL BRACKET SUPPORT, (NOT BY OTIS), DEFLECTION NOT TO EXCEED 1/8" [3] BASED ON HORIZONTAL RAIL FORCES.

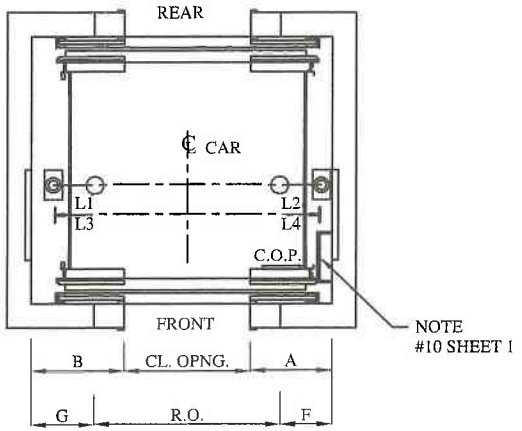
PIT FLOOR FORCES				
CAPACITY	2100	2500	3000	3500
BI = BUFFER IMPACT	22200 # 98746 N	23000 # 102304 N	24000 # 106752 N	25000 # 111200 N
CI = CYLINDER IMPACT	1882 # 8371 N	1882 # 8371 N	1882 # 8371 N	1882 # 8371 N

PIT AND OVERHEAD REQUIREMENTS				
PIT	MAXIMUM RISE PER PIT SHOWN			
	1-STAGE		2-STAGE	
	100 F.P.M. 0.51 m/s	125 F.P.M. 0.64 m/s	100 F.P.M. 0.51 m/s	125 F.P.M. 0.64 m/s
4'-0" [1219]	13'-5" [4089]	13'-2" [4013]	21'-6" [6553]	21'-6" [6553]
5'-0" [1524]	14'-5" [4394]	14'-2" [4318]	26'-6" [8077]	26'-6" [8077]
6'-0" [1829]	15'-5" [4699]	15'-2" [4623]	26'-6" [8077]	26'-6" [8077]
MIN. CLEAR OVERHEAD	12'-3" [3734]	12'-4" [3759]	12'-7" [3835]	12'-10" [3912]

MAXIMUM RISE MAY BE REDUCED BASED ON WEIGHT OF CAR.
MAXIMUM CLEAR OVERHEAD = MIN. CLEAR OVERHEAD + 2'-0" [610].
ONTARIO, CANADA MINIMUM PIT DEPTH = 5'-0" [1524].



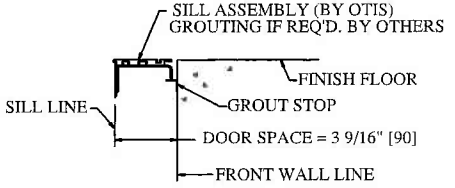
RIGHT HAND ENTRANCE ARRANGEMENT SHOWN
(LEFT HAND OPPOSITE)
AVAILABLE FOR 2100, 2500, 3000, & 3500



CENTER OPENING ENTRANCE ARRANGEMENT
AVAILABLE FOR 3000, & 3500
(CAR OFFSET = LEFT)

DIRECTIONAL ARROW INDICATES NORTH FOR HOISTWAY AND MACHINE ROOM.

NOTE:
VALUES SHOWN IN [ ] ARE IN MM



SEE NOTE 13, SHEET 1

VATION
AIL BRACKET
CHART.

M

PANELS		CL. OPNG. = CLEAR OPENING						R.O. = ROUGH OPENING			
		CL. OPNG.	CENTER OPENING		SINGLE SLIDE		E	R.O.	CENTER OPENING		SINGLE SLIDE
MI	*CDI		A	B	C	D			F	G	H
/16"		3'-0"			10 1/4"	3'-8 3/4" [1137]		4'-8 1/4"			2'-10 3/4" [883]
5]	4'-4 1/8" [1324]	[914]	NA	NA	[260]	3'-5 3/4" [1061]		[1428]	NA	NA	2'-7 3/4" [807]

2011/2/23

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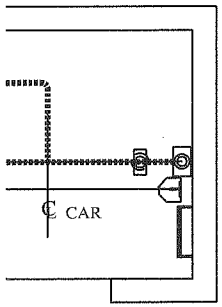
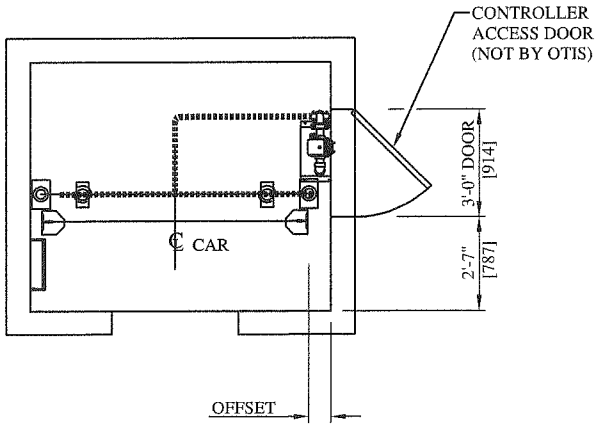
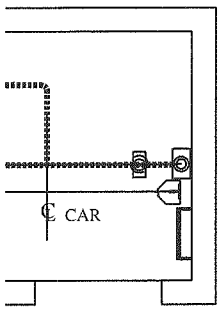


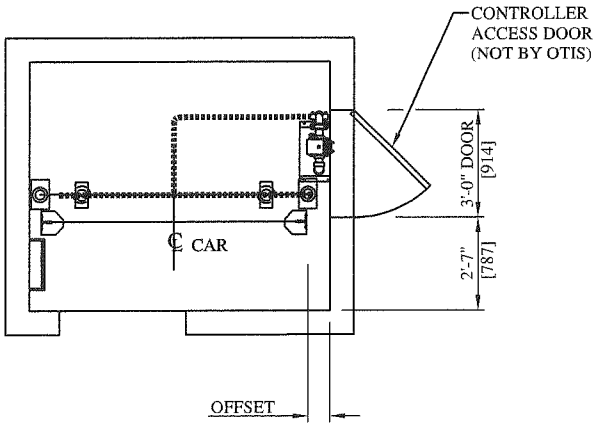
'ENTER OPENING



FRONT OPENING = CENTER OPENING

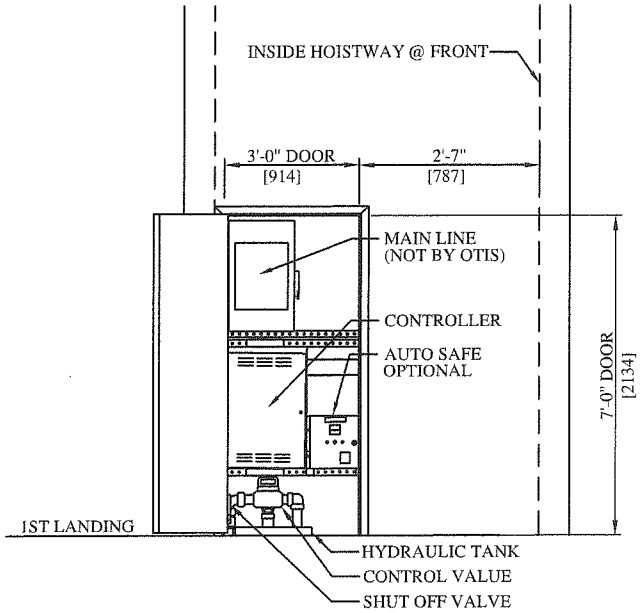


HT HAND OPENING



FRONT OPENING = LEFT HAND OPENING

"MRL" MACHINE SPACE
WITH ACCESS DOOR AT LOWEST LANDING
(Minimum Access Door = 3'-0" [914] x 7'-0" [2134])
SEE NOTES B, & 17, 18, SHEET 1



SECTION Q-Q

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onal code and / or local code.

ghing, venting, and hall fixtures) along with patching and painting of ance doors and frames, if required.

aterial and an onsite storage area for elevator equipment as follows: tway at the ground level, located within 100 feet (30.5 meters) of the n) per elevator. Any warranties provided by Otis for elevator r other than a dry enclosed building structure.

sal of elevator packaging material. Should sufficient refuse containers the responsibility of the owner.

l, enclosed and vented hoistway in accordance with all applicable codes.

hown on the Otis layout not to exceed -0 inch / +1 inch (25 mm).

required by governing code from pit floor to top of hoistway. For steel t to be installed not less than 10'-3 (3124 mm) or more than 11'-3 ere required. Rail bracket attachment supports must be exposed and

ng allowed by the elevator code, Otis requires some form of steel um allowed bracket spacing is indicated in the rail force and bracket aces that are not in line with the finished hoistway dimension (i.e. the red distance. Otis agrees to provide guidance on this matter at the

they shall be installed by others in accordance with Otis'

s spaced at 20.4 (518 mm) on center are required for car rail brackets

ls and impact loads on cylinder head(s) and buffer(s). The pit must be p pump to prevent the accumulation of water. Location to be cess areas. In areas requiring Firefighter's Emergency Operation, a ty to remove a minimum of 11.4 m^3 / h (3,000 gal / h) per elevator ls that the owner verify the system complies with all applicable laws

quired by governing code and located per Otis layouts, or as from wall per local code. If pit depth is greater than 9'-10 (3000 mm) access door is required.

tion **(OSHA) 1926.502 (B) (1-3),** a freestanding removable barricade (1067 mm) high, with mid-rail and kick board, and withstand 200 lbs.

tion **(OSHA) 1926.502(j),** hoistway protection from falling debris

entrances.

ck and key) with posted Notice Only Elevator Personnel Beyond This

tained, and removed by others.

ructed until after all elevator material is located in the hoistway. after door frames and sills are in place. If front walls are poured led to accept entrance frames and filled in after frames are set. Rough urned over, all entrance walls must be installed and rough openings

ce. Provide plumb vertical surfaces for entrances and sill supports, one) mm) and 4'-6 (1372 mm) two speed door arrangements, an additional bracket under the sill assembly in the center of the clear door opening. line. A horizontal support is to be provided 1 foot (305 mm) above the mbly. If floor heights exceed 12'-0 (3658 mm), a horizontal support is unsoms are required, the support would be 1 foot (305 mm) above the

wall to side wall at the top of the hoistway, capable of withstanding a (51 mm) clear above the beam. Beam must be removed before car is

of incident full spectrum ultraviolet radiation for the full height of the

temperature between 32°F (0°C) and 104°F (40°C). Relative humidity not to exceed 95% non-condensing. Local codes may require tighter temperature ranges. The temperature and humidity range shall be permanently posted in the machine room / space. Please check with your local code authority for the exact requirements in your area.

18. Machine room / space(s) and door to meet code compliant fire resistive construction. When a machine room is used, provide a self closing and self locking door with a group 2 locking device. When a machine space is used, provide a standard 3' x 7' self closing and self locking metal door with a group 2 locking device in the hoistway per agreed upon location and Otis layout. In addition, ensure that all air gaps around the machine room / space door are sealed (i.e. threshold, weather stripping, etc.). Self closing mechanism cannot protrude into the machine space at any time.

19. [**Refers to elevators with remote machine rooms requiring buried piping and wire way**] Provide trenching and backfilling as necessary to accommodate remote machine room conditions.

Fire Prevention Prep / Work

20. Provide hoistway walls designed and constructed in accordance with the required fire rating (including those places where elevator fixture boxes and rail bracket fastenings penetrate into the hoistway walls).

21. In the United States, provide smoke detectors, located as required, with wiring from the sensing devices to the controller(s) designated by Otis.
    a. For each group of elevators, provide a normally closed contact representing the smoke detector at the designated return landing.
    b. For each group of elevators, provide a normally closed contact representing all smoke detectors located in lobbies, hoistways, or machine rooms / spaces, but **not** the smoke detector at the designated return landing (see above) or the smoke detectors as described in i. and ii. below:
        i. If a smoke detector is located in the hoistway at or below the lower of the two recall landings, it shall be wired to activate the same normally closed contact as the smoke detector located in the lobby at the lower of the two recall landings.
        ii. If machine rooms / spaces are located at the designated return landing, the smoke detectors located therein shall be wired to activate the same normally closed contact as the smoke detector at the designated landing.
    c. Requirements for intermittently illuminating the fire hat visual signal in the car operating panel, either i. or ii. apply.
        i. For a single unit or for a group of elevators having one common machine room / space and one common hoistway, provide one additional normally closed contact representing the machine room / space and hoistway smoke detectors.
        ii. If the group contains more than one hoistway and hoistway smoke detectors are installed, or if the group has more than one machine room / space, provide one normally closed contact for each elevator. The contact is to represent the smoke detector in the machine room / space for that particular elevator, and any smoke detectors in the hoistway containing that particular elevator.

22. In Canada, provide smoke detectors, located as required, with wiring from the sensing devices to the controller(s) designated return landing.
    a. For each group of elevators, provide a normally closed contact representing the smoke detector at the designated return landing and, if provided, from the sensing device in the pit.
    b. For each group of elevators, provide a normally closed contact representing all smoke detectors located in elevator lobbies, but **not** the smoke detector at the designated return landing (see above) and, if provided, from the sensing device in the top of the hoistway.
    c. For each group of elevators, provide a normally closed contact representing the smoke detector in the elevator machine room / space(s).
    d. If the machine room / space is located at the designated return landing, the smoke detectors located therein shall be wired to activate the same normally closed contact as the smoke detector at the designated landings. When a machine room is used, for each group of elevators, provide in addition to the above, a normally closed contact representing the sensing devices in the machine room and, if provided, in the pit or at the top of the hoistway (for the Fire Hat in the Elevator).

23. In the United States, if sprinklers are installed in the hoistway or machine room / space(s), a means to automatically disconnect the mainline power supply to the affected elevator and any other power supplies used to move the elevator, upon or prior to the application of water is required (unless prohibited by local code). Smoke detectors shall not be used to activate sprinklers in hoistways or machine rooms / spaces or to disconnect the mainline power supply.

24. Provide a Class ABC fire extinguisher, minimum 10 lbs., in the machine room or in a location convenient to the machine space.

Electrical Requirements

25. All 125 volt, 15 or 20 ampere single phase receptacles installed in pits, machinery spaces, and elevator car tops shall be of ground fault circuit interrupter (GCFI) type. All 125 volt, 15 or 20 ampere single phase receptacles installed in machine rooms / spaces shall have GFCI protection. A dedicated single phase receptacle supplying a permanently installed pit sump pump shall not require GFCI protection. (NEC 620-85 or CEC Rule 38-085).

26. Furnish a dedicated, balanced, 3 phase, 3 wire electrical feeder system with a separate solidly grounded equipment grounding conductor terminating in the machine room / space. Size of the feeders and grounding conductor to suit elevator power characteristics. Feeder conductors and grounding conductor must be copper. A fused disconnect switch or circuit breaker capable of being locked in the open position for each elevator per the National Electrical Code (ANSI/NFPA 70) or Canadian Electrical Code (C22.1) with feeder or branch wiring to the controller (NEC 620-51, 620-61(D), and 620-62 or CEC Rule 38-013(2)(a)) must be provided. Fuses are to be current limiting class RK1 or equivalent. Circuit breakers are to have current limiting characteristics equivalent to class RK1 fuses. Fuses or circuit breakers are to be time delay to cover the full load up accelerating current as listed in the Otis Confirmation of Power Supply form.

    Furnish a separate 120 volt, 15 ampere single phase branch circuit and SPST fused disconnect switch or circuit breaker capable of being locked in the open position to supply the car lights, receptacles, auxiliary lighting power source, and ventilation on each car in

light switch located adjacent to the pit access door (NEC 620-2 guarded to prevent contact and accidental breakage.

[**Note: Consult with the Otis Construction Superintendent at**

To meet the date upon which the elevators are to be turned ove be installed and power available prior to the start of elevator ins

27. Provide 120 volt, 20 ampere power for light, tools, hoist, etc. to (22.86 M) of the hoistway.

28. Provide one (1) dedicated outside telephone line per elevator ca controller designated by the Otis construction superintendent. for specific requirements.

29. [**Optional for Elevators with an intra building Intercom**] Pr with fused SPST disconnect switch or circuit breaker located as be arranged for feeding from the building emergency lighting s intercommunicating stations must be provided.

30. [**Optional for Elevators with a Battery Powered Emergency I** the National Electrical Code (NEC) or Canadian Electrical Cod auxiliary contact is to be positively open when the main discon power source to be disconnected from its load when the disconn elevator power characteristics.

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31. [**Optional for Installations with Emergency (Standby) Power** starting it, and deliver to the elevator via disconnect switches ir elevators at a time at full rated speed and rated load.

    An automatic Power Transfer Switch is required for each powe conditions and to perform the transfer from one to the other. S open when the switch is in the Emergency (Standby) Power po when transfer is complete. Switch to have an inhibit function v Power by an adjustable period of 0 - 300 seconds. Switch shall between "live" sources unless the sources are in phase with eac Closed contact is required from the Emergency (Standby) Pow

    Emergency (standby) power system shall be connected to the 1 Supply for the branch circuit supplying the car lights, car top re

You agree to indemnify and save Otis harmless against any and all lia foregoing requirements.

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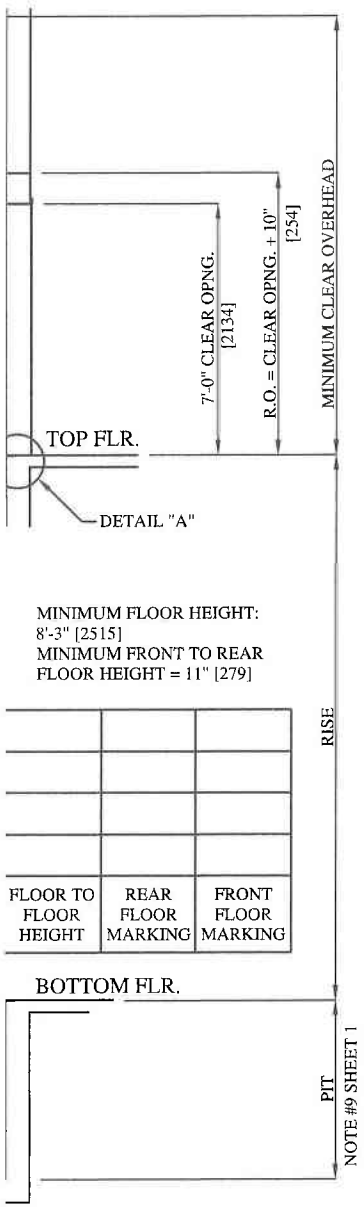


MINIMUM FLOOR HEIGHT:
8'-3" [2515]
MINIMUM FRONT TO REAR
FLOOR HEIGHT = 11" [279]

FLOOR TO FLOOR HEIGHT	REAR FLOOR MARKING	FRONT FLOOR MARKING

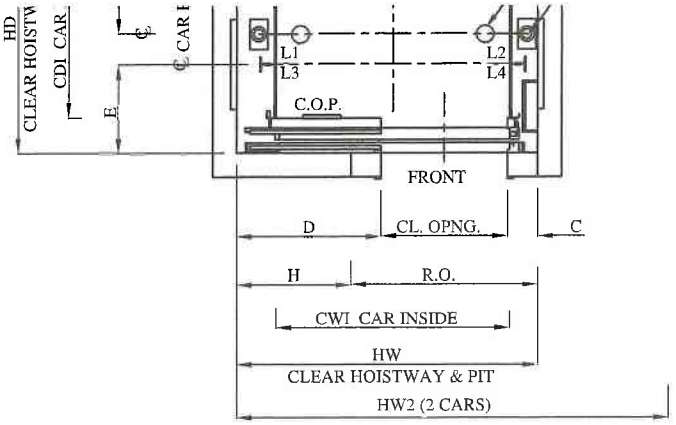
RAIL FORCE & BRACKET SPACING							MAXIMUM BRACKET SPACING
SEISMIC	ZONE 0 & 1		ZONE 2		ZONE 3 & 4		
CAPACITY	R1	R2	VX	VY	VX	VY	
2100	150 # 667 N	64 # 285 N	1319 # 5867 N	660 # 2933 N	2638 # 11734 N	1319 # 5867 N	14'-0" [4267]
2500	178 # 792 N	76 # 338 N	1279 # 5689 N	640 # 2844 N	2558 # 11378 N	1279 # 5689 N	
3000	242 # 1076 N	105 # 467 N	1229 # 5467 N	615 # 2733 N	2458 # 10933 N	1229 # 5467 N	
3500	283 # 1259 N	132 # 587 N	1179 # 5244 N	590 # 2622 N	2358 # 10488 N	1179 # 5244 N	

RAIL BRACKET SUPPORT, (NOT BY OTIS), DEFLECTION NOT TO EXCEED 1/8" [3] BASED ON HORIZONTAL RAIL FORCES.

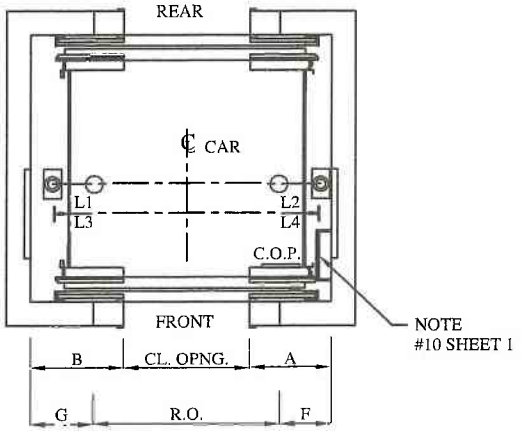
PIT FLOOR FORCES				
CAPACITY	2100	2500	3000	3500
BI = BUFFER IMPACT	22200 # 98746 N	23000 # 102304 N	24000 # 106752 N	25000 # 111200 N
CI = CYLINDER IMPACT	1882 # 8371 N	1882 # 8371 N	1882 # 8371 N	1882 # 8371 N

PIT AND OVERHEAD REQUIREMENTS				
PIT	MAXIMUM RISE PER PIT SHOWN			
	1-STAGE		2-STAGE	
	100 F.P.M. 0.51 m/s	125 F.P.M. 0.64 m/s	100 F.P.M. 0.51 m/s	125 F.P.M. 0.64 m/s
4'-0" [1219]	13'-5" [4089]	13'-2" [4013]	21'-6" [6553]	21'-6" [6553]
5'-0" [1524]	14'-5" [4394]	14'-2" [4318]	26'-6" [8077]	26'-6" [8077]
6'-0" [1829]	15'-5" [4699]	15'-2" [4623]	26'-6" [8077]	26'-6" [8077]
MIN. CLEAR OVERHEAD	12'-3" [3734]	12'-4" [3759]	12'-7" [3835]	12'-10" [3912]

MAXIMUM RISE MAY BE REDUCED BASED ON WEIGHT OF CAR.
MAXIMUM CLEAR OVERHEAD = MIN. CLEAR OVERHEAD + 2'-0" [610].
ONTARIO, CANADA MINIMUM PIT DEPTH = 5'-0" [1524].



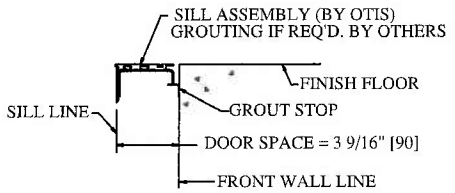
RIGHT HAND ENTRANCE ARRANGEMENT SHOWN
(LEFT HAND OPPOSITE)
AVAILABLE FOR 2100, 2500, 3000, & 3500



CENTER OPENING ENTRANCE ARRANGEMENT
AVAILABLE FOR 3000, & 3500
(CAR OFFSET = LEFT)

DIRECTIONAL ARROW INDICATES NORTH
FOR HOISTWAY AND MACHINE ROOM.

NOTE:
VALUES SHOWN IN [ ] ARE IN MM

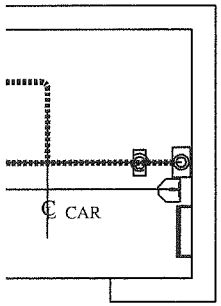


SEE NOTE 13, SHEET 1

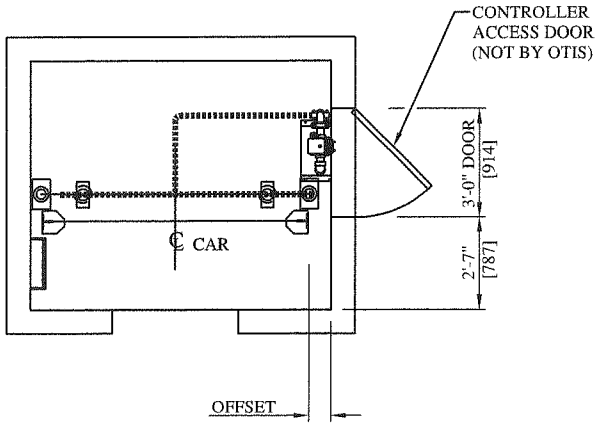
VATION
AIL BRACKET
CHART.

M

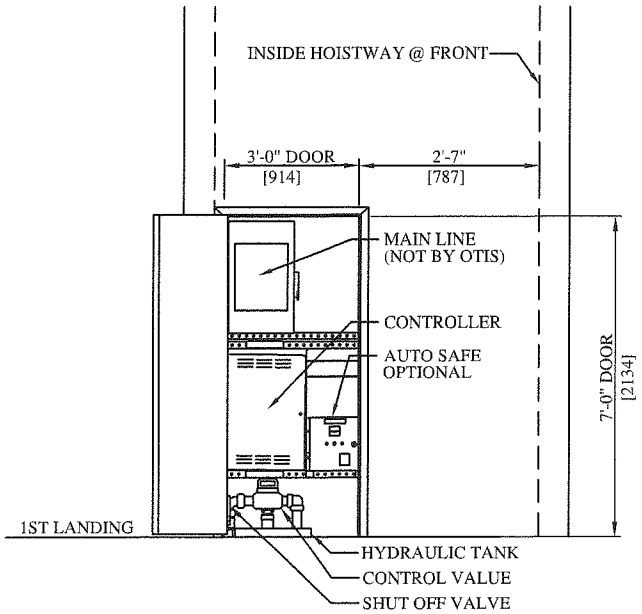
PANELS		CL. OPNG. = CLEAR OPENING						R.O. = ROUGH OPENING			
		CL. OPNG.	CENTER OPENING		SINGLE SLIDE			R.O.	CENTER OPENING		SINGLE SLIDE
MI	*CDI		A	B	C	D	E		F	G	H
/16" [5]	4'-4 1/8" [1324]	3'-0" [914]	NA	NA	10 1/4" [260]	3'-8 3/4" [1137] 3'-5 3/4" [1061]		4'-8 1/4" [1428]	NA	NA	2'-10 3/4" [883] 2'-7 3/4" [807]



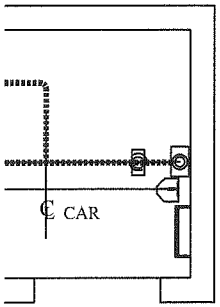
'ENTER OPENING



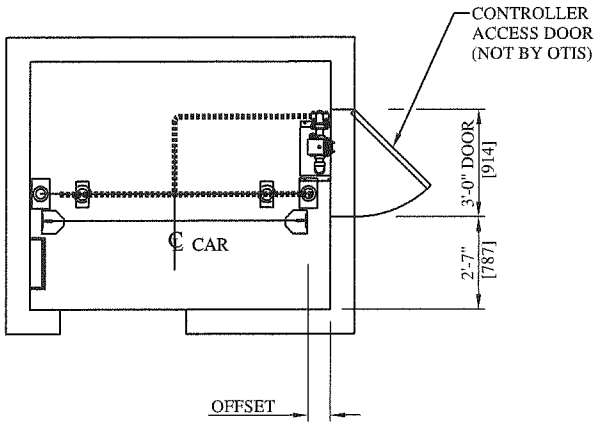
FRONT OPENING = CENTER OPENING



SECTION Q-Q



HT HAND OPENING



FRONT OPENING = LEFT HAND OPENING

"MRL" MACHINE SPACE
WITH ACCESS DOOR AT LOWEST LANDING
(Minimum Access Door = 3'-0" [914] x 7'-0" [2134])
SEE NOTES B, & 17, 18, SHEET 1

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DISCLOSED.
AND THAT O
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onal code and / or local code.

ghing, venting, and hall fixtures) along with patching and painting of ance doors and frames, if required.

aterial and an onsite storage area for elevator equipment as follows: tway at the ground level, located within 100 feet (30.5 meters) of the n) per elevator. Any warranties provided by Otis for elevator r other than a dry enclosed building structure.

sal of elevator packaging material. Should sufficient refuse containers the responsibility of the owner.

l, enclosed and vented hoistway in accordance with all applicable codes.

hown on the Otis layout not to exceed -0 inch / +1 inch (25 mm).

equired by governing code from pit floor to top of hoistway. For steel t to be installed not less than 10'-3 (3124 mm) or more than 11'-3 ere required. Rail bracket attachment supports must be exposed and

ng allowed by the elevator code, Otis requires some form of steel um allowed bracket spacing is indicated in the rail force and bracket aces that are not in line with the finished hoistway dimension (i.e. the red distance. Otis agrees to provide guidance on this matter at the

they shall be installed by others in accordance with Otis'

s spaced at 20.4 (518 mm) on center are required for car rail brackets

ls and impact loads on cylinder head(s) and buffer(s). The pit must be p pump to prevent the accumulation of water. Location to be cess areas. In areas requiring Firefighter's Emergency Operation, a ty to remove a minimum of 11.4 m³ / h (3,000 gal / h) per elevator ls that the owner verify the system complies with all applicable laws

quired by governing code and located per Otis layouts, or as from wall per local code. If pit depth is greater than 9'-10 (3000 mm) access door is required.

tion **(OSHA) 1926.502 (B) (1-3),** a freestanding removable barricade (1067 mm) high, with mid-rail and kick board, and withstand 200 lbs.

tion **(OSHA) 1926.502(j),** hoistway protection from falling debris

entrances.

ck and key) with posted Notice Only Elevator Personnel Beyond This

tained, and removed by others.

ructed until after all elevator material is located in the hoistway. after door frames and sills are in place. If front walls are poured led to accept entrance frames and filled in after frames are set. Rough arned over, all entrance walls must be installed and rough openings

.

ce. Provide plumb vertical surfaces for entrances and sill supports, one) mm) and 4'-6 (1372 mm) two speed door arrangements, an additional bracket under the sill assembly in the center of the clear door opening. line. A horizontal support is to be provided 1 foot (305 mm) above the mbly. If floor heights exceed 12'-0 (3658 mm), a horizontal support is insoms are required, the support would be 1 foot (305 mm) above the

wall to side wall at the top of the hoistway, capable of withstanding a (51 mm) clear above the beam. Beam must be removed before car is

of incident full spectrum ultraviolet radiation for the full height of the

temperature between 32°F (0°C) and 104°F (40°C). Relative humidity not to exceed 95% non-condensing. Local codes may require tighter temperature ranges. The temperature and humidity range shall be permanently posted in the machine room / space. Please check with your local code authority for the exact requirements in your area.

18. Machine room / space(s) and door to meet code compliant fire resistive construction. When a machine room is used, provide a self closing and self locking door with a group 2 locking device. When a machine space is used, provide a standard 3' x 7' self closing and self locking metal door with a group 2 locking device in the hoistway per agreed upon location and Otis layout. In addition, ensure that all air gaps around the machine room / space door are sealed (i.e. threshold, weather stripping, etc.). Self closing mechanism cannot protrude into the machine space at any time.

19. [**Refers to elevators with remote machine rooms requiring buried piping and wire way**] Provide trenching and backfilling as necessary to accommodate remote machine room conditions.

Fire Prevention Prep / Work

20. Provide hoistway walls designed and constructed in accordance with the required fire rating (including those places where elevator fixture boxes and rail bracket fastenings penetrate into the hoistway walls).

21. In the United States, provide smoke detectors, located as required, with wiring from the sensing devices to the controller(s) designated by Otis.
    a. For each group of elevators, provide a normally closed contact representing the smoke detector at the designated return landing.
    b. For each group of elevators, provide a normally closed contact representing all smoke detectors located in lobbies, hoistways, or machine rooms / spaces, but **not** the smoke detector at the designated return landing (see above) or the smoke detectors as described in i. and ii. below:
        i. If a smoke detector is located in the hoistway at or below the lower of the two recall landings, it shall be wired to activate the same normally closed contact as the smoke detector located in the lobby at the lower of the two recall landings.
        ii. If machine rooms / spaces are located at the designated return landing, the smoke detectors located therein shall be wired to activate the same normally closed contact as the smoke detector at the designated landing.
    c. Requirements for intermittently illuminating the fire hat visual signal in the car operating panel, either i. or ii. apply.
        i. For a single unit or for a group of elevators having one common machine room / space and one common hoistway, provide one additional normally closed contact representing the machine room / space and hoistway smoke detectors.
        ii. If the group contains more than one hoistway and hoistway smoke detectors are installed, or if the group has more than one machine room / space, provide one normally closed contact for each elevator. The contact is to represent the smoke detector in the machine room / space for that particular elevator, and any smoke detectors in the hoistway containing that particular elevator.

22. In Canada, provide smoke detectors, located as required, with wiring from the sensing devices to the controller(s) designated return landing.
    a. For each group of elevators, provide a normally closed contact representing the smoke detector at the designated return landing and, if provided, from the sensing device in the pit.
    b. For each group of elevators, provide a normally closed contact representing all smoke detectors located in elevator lobbies, but **not** the smoke detector at the designated return landing (see above) and, if provided, from the sensing device in the top of the hoistway.
    c. For each group of elevators, provide a normally closed contact representing the smoke detector in the elevator machine room / space(s).
    d. If the machine room / space is located at the designated return landing, the smoke detectors located therein shall be wired to activate the same normally closed contact as the smoke detector at the designated landings. When a machine room is used, for each group of elevators, provide in addition to the above, a normally closed contact representing the sensing devices in the machine room and, if provided, in the pit or at the top of the hoistway (for the Fire Hat in the Elevator).

23. In the United States, if sprinklers are installed in the hoistway or machine room / space(s), a means to automatically disconnect the mainline power supply to the affected elevator and any other power supplies used to move the elevator, upon or prior to the application of water is required (unless prohibited by local code). Smoke detectors shall not be used to activate sprinklers in hoistways or machine rooms / spaces or to disconnect the mainline power supply.

24. Provide a Class ABC fire extinguisher, minimum 10 lbs., in the machine room or in a location convenient to the machine space.

Electrical Requirements

25. All 125 volt, 15 or 20 ampere single phase receptacles installed in pits, machinery spaces, and elevator car tops shall be of ground fault circuit interrupter (GCFI) type. All 125 volt, 15 or 20 ampere single phase receptacles installed in machine rooms / spaces shall have GFCI protection. A dedicated single phase receptacle supplying a permanently installed pit sump pump shall not require GFCI protection. (NEC 620-85 or CEC Rule 38-085).

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Jim Ford, C.F.A.
Property Appraiser
Brevard County, Fl

Property Research

Online Homestead Filing CLICK HERE

General Parcel Information for 25-37-11-DD-0000B.0-0010.00 Trim Notice Comments Permits

Parcel Id:	25-37-11-DD-0000B.0-0010.00	New! Map II	Map/Ortho	Aerial	**Millage Code:**	26H0	**Exemption:**	**Use Code:**	1700
*** Site Address:**	161 N ATLANTIC AVE , COCOA BEACH 32931							**Tax Acct:**	2517617

* Site address information is assigned by the Brevard County Address Assignment Office for E9-1-1 purposes; this information may not reflect community location of property.

Tax information is available at the Brevard County Tax Collector's web site
(Select the back button to return to the Property Appraiser's web site)

Owner Information

Owner Name:	PATRICK, GARY J
Second Name:	
Mailing Address:	182 ST CROIX
City, State, Zipcode:	COCOA BCH, FL 32931

Abbreviated Description

Plat Book/Page: 0003/0054	Sub Name: COCOA BEACH	W 80 FT OF LOT 9 & W 80 FT OF N 30 FT OF LOT 10 RESUBD BLK B

View Plat (requires Adobe Acrobat Reader-file size may be large)

Value Summary

	2009	2010	2011
*** Market Value Total:**	$245,000	$205,000	$170,000
Agricultural Market Value:	$0	$0	$0
Assessed Value Non-School:	$245,000	$205,000	$170,000
Assessed Value School:	$245,000	$205,000	$170,000
**** Homestead Exemption:**	$0	$0	$0
**** Additional Homestead:**	$0	$0	$0
**** Other Exemptions:**	$0	$0	$0
***** Taxable Value Non-School:**	$245,000	$205,000	$170,000
***** Taxable Value School:**	$245,000	$205,000	$170,000

Land Information

Acres:	0.15
Site Code:	340

* This is the value established for ad valorem purposes in accordance with s.193.011(1) and (8), Florida Statutes. This value does not represent anticipated selling price for the property.
** Exemptions as reflected on the Value Summary table are applicable for the year shown and may or may not be applicable if an owner change has occurred.
*** The additional exemption does not apply when calculating taxable value for school districts pursuant to amendment 1.

Sales Information

Official Records	Sale Date	Sale	Deed	*** Sales Screening	*** Sales Screening	Physical Change	Vacant/Improved

Book/Page		Amount	Type	Code	Source	Code	
3467/1842	3/30/1995	$98,000	WD				I
1328/0135	3/15/1973	$40,000	WD				V

*** Sales Screening Codes and Sources are from analysis by the Property Appraiser's staff. They have no bearing on the prior or potential marketability of the property.

Building Information Building Photos Drawings

PDC #	Use Code	Year Built	Story Height	Frame Code	Exterior Code	Interior Code	Roof Type	Roof Mater.	Floors Code	Ceiling Code
1	1700	1961	11	03, 05	03, 08	03	10	03	03	03

Building Area Information

PDC #	Base Area	Garage Area	Open Porches	Car Port	Screened Porches	Utility Rooms	Enclosed Porch	Basements	Attics	Bonus Rooms	RV Carport	RV Garage	Total Base Area
1	2947	0	0	1624	0	0	0	0	0	0	0	0	2947

Extra Feature Information

Extra Feature Description	Units
PAVING	2453
PAVING	160

New Search Help

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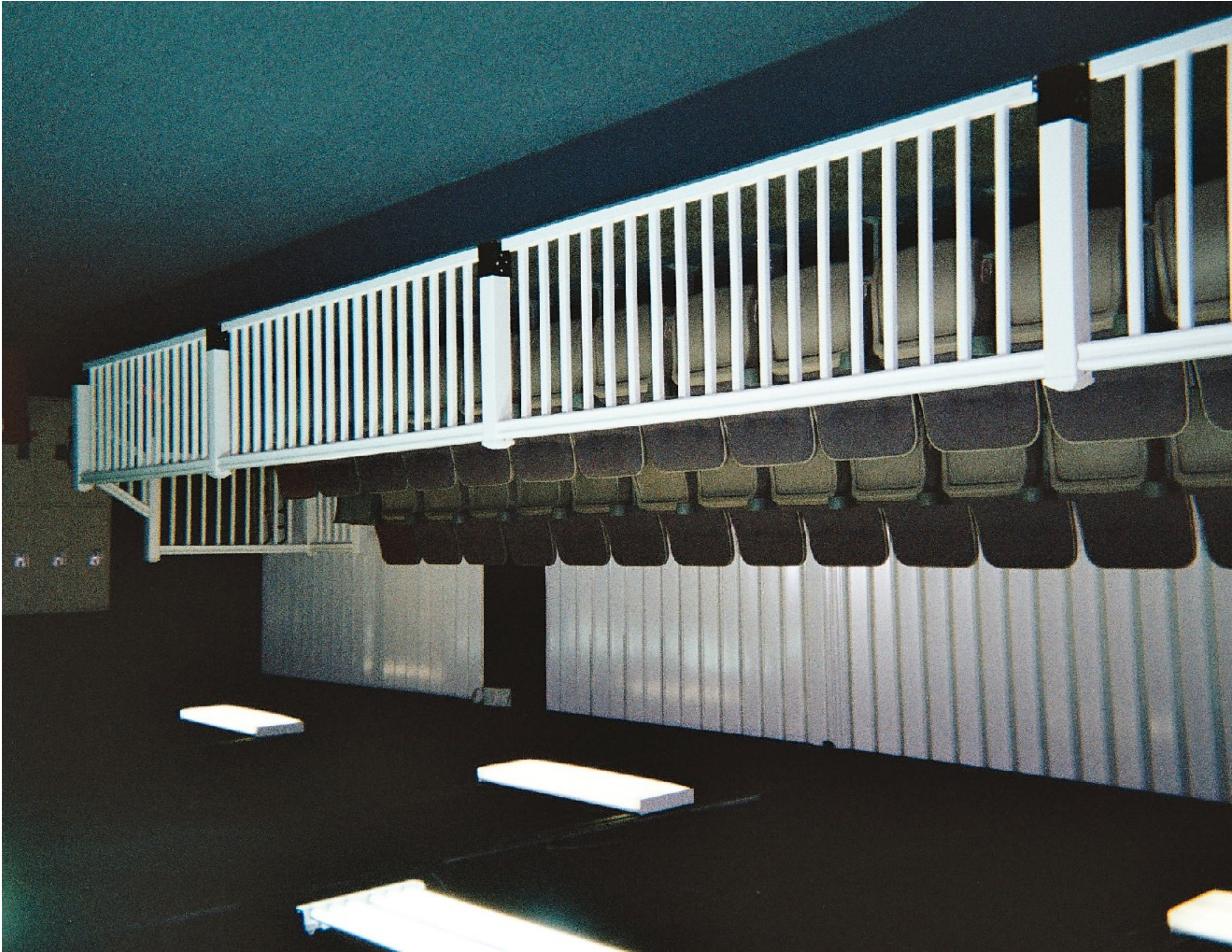

EXIT