



HOME ELEVATOR CAROLINA LIFT

SPECIFICATIONS

Model	HOME ELEVATOR CAROLINA LIFT
Code	ASME A18.1-2020/CSA B44 - 2020
Capacity	750 lbs.
Nominal Speed	18 fpm
Travel	Up to 14ft
Drive System	1 HP Overhead Winding Drum Motor; 1750 rpm, 240 AC
Safety Features	Under Carriage Safety Pan w/ Limit Switches; Continuous Pressure Switch
Door Locks	Honeywell Electromechanical Interlocks/Home Elevator Interlocks
Operation Type	Constant Pressure
Finish	Mill Finish 6061-T6
Electrical Req.	220 VAC, 30A, 60Hz Single Phase Circuit
Control System	24 VDC Relay Control w/ 60A Circuit Breaker & Disconnects
Suspension	2 x Stainless Steel Cables 3/8" Diameter

TECHNICAL DATA:

PLATFORM SIZE: 36"x48"

RATED LOAD: 750lbs maximum

DRIVE: 1HP motor; 1750 rpm, 240 AC.

CONTROLS: 24 VDC relay control with 60A circuit breaker & disconnects.

EMERGENCY STOP SWITCH: Red, sealed, push to stop, pull to reset.

SPEED: 18 ft/min maximum.

UNDER CARRIAGE SAFETY: Aluminum formed and fabricated safety pan with limit switches.

Continuous pressure safety switch.

LIMIT SWITCHES: Adjustable upper and lower limit switches and upper final limit switch.

PERFORMANCE STANDARDS:

ASME A18.1-2020 (sec.5) safety standards for platform lifts and stairway chairlifts.

CSA B355-19 lifts for persons with physical disabilities.

CSA B44.1-19/ASME A17.5-2019 elevator and escalator electrical equipment.

NFPA 70-2020 national electrical code



HOME ELEVATOR CAROLINA LIFT
CONFORMS TO
ASME A17.5-19; A18.1-2020

PROJECT NAME

PROJECT LOCATION

COMMENTS:

APPROVAL STATUS: APPROVED

APPROVED AS NOTED

REVISE AND RESUBMIT

SIGNATURE

DATE

7/3/2023

DWG. NO.

SCALE 1:16

REV:

SHEET 1 OF 5

WINDOWS/
DECORATIVE PANELS

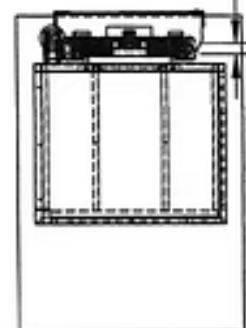
RUN SWITCHES LOCATED
ON BACK WALL

36" FRONT GATE

50.75
OVER ALL
WIDTH

ANCHOR POINT LOCATIONS.

3.00
SPACING
FOR CONCRETE
HOLES



TECH SPECS:

SLAB: 4" thick, 3500 psi minimum compressive strength, reinforced concrete slab. Refer to technical drawings for slab dimensions.

FLOOR ATTACHMENT: base of lift must be fastened to the concrete slab using 3/8" x 2-1/2" long concrete anchors following manufacturer's guidelines.

HOUSING ATTACHMENT: Fasten lift to vertical wall of house with supplied triangle brace and lag bolts.

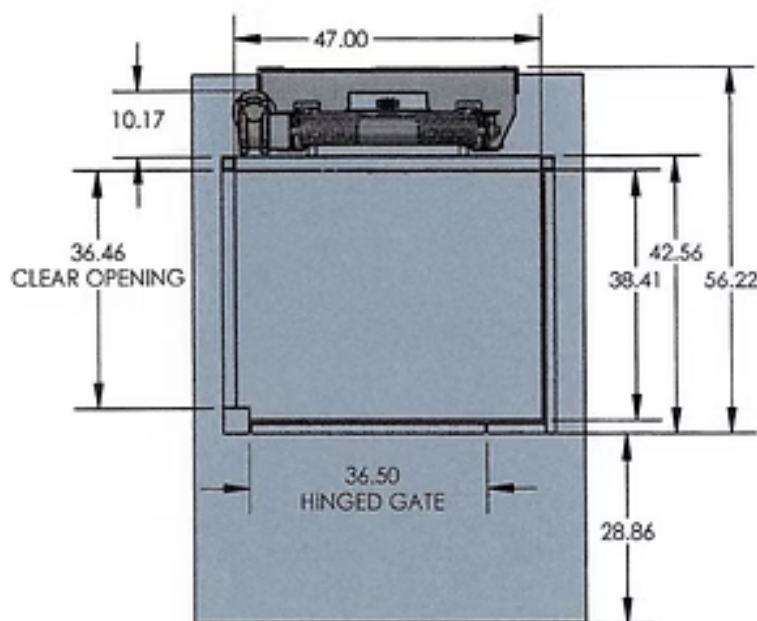


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Raleigh, NC 27610

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7/8/2023



HOME ELEVATOR CAROLINA LIFT
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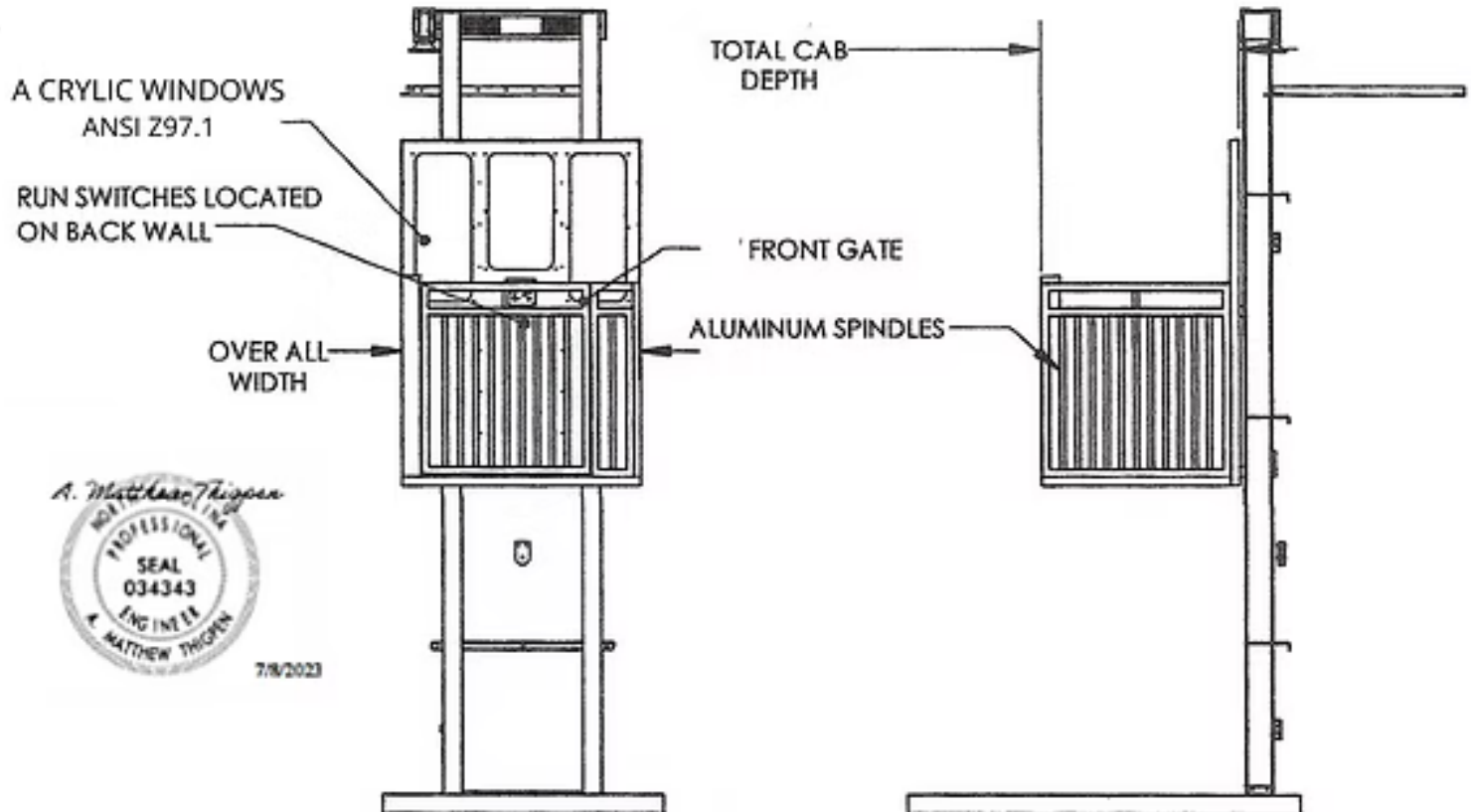
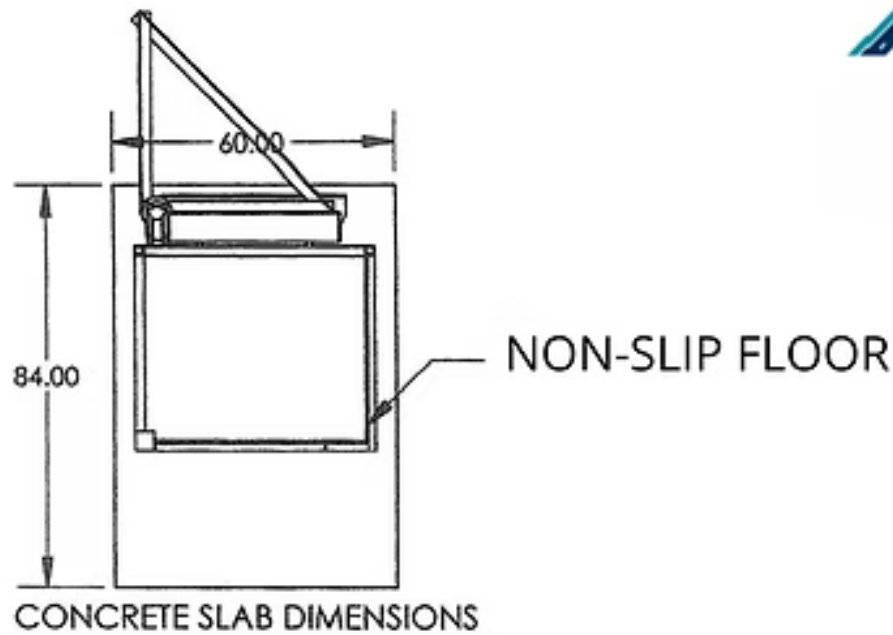
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SHEET 3 OF 5

APPROVAL STATUS: APPROVED

APPROVED AS NOTED

REVISE AND RESUBMIT



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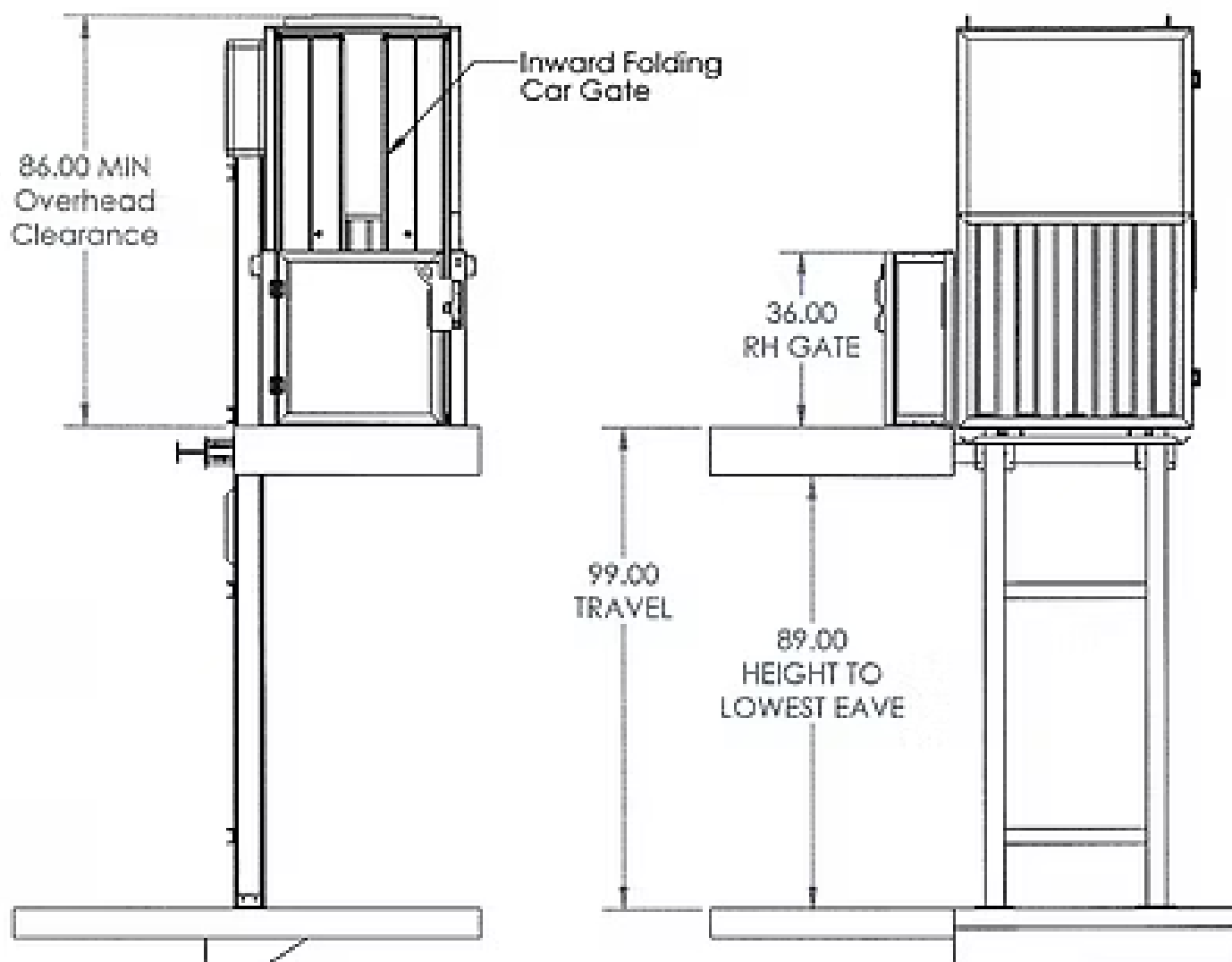
SHEET 2 OF 5

APPROVAL STATUS:

APPROVED

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REVISE AND RESUBMIT



7/3/2023



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Raleigh, NC 27603

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HOME ELEVATOR CAROLINA LIFT
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REVISE AND RESUBMIT

SIGNATURE

DWG. NO.

REV.

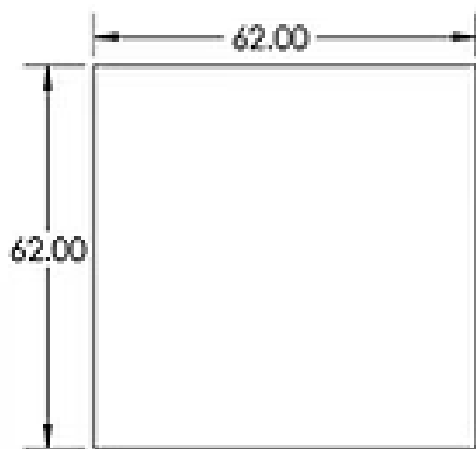
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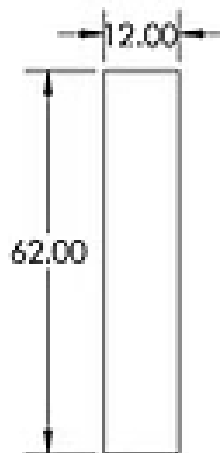
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SHEET 4 OF 5

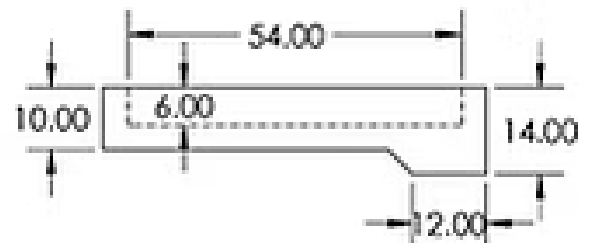
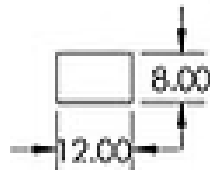
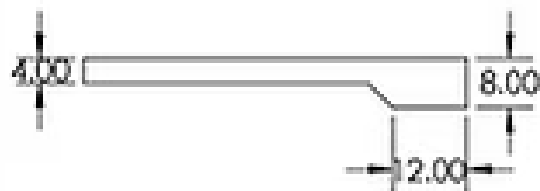
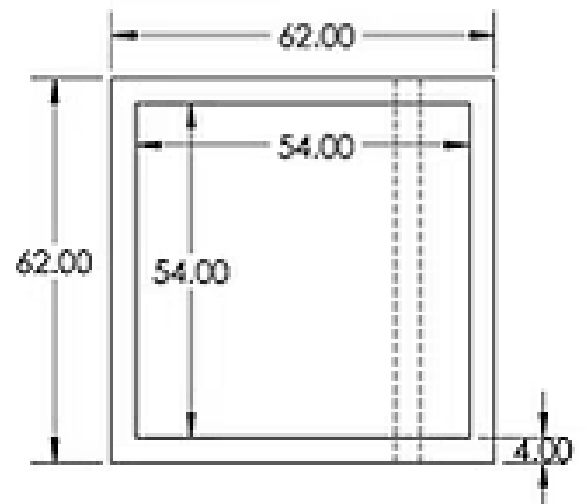
4" SLAB W/ FOOTER



FOOTER



6" PIT WITH FOOTER



NOTE: FOUNDATION MUST BE ORIENTED SO THAT THE TOWER SITS SQUARELY ON FOOTER.



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TB-01-0003

FOUNDATION REQUIREMENTS:

- FOOTERS AND SLAB TO BE REINFORCED WITH 1/2" #3 REBAR.
- MINIMUM OF 6" DISTANCE FROM BOTTOM FLOOR TO FOOTER RECOMMENDED.



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DWG. NO.

CONCRETE PAD

REV:

A

REVISE AND RESUBMIT

DATE

7/3/2023

SCALE 1/8"

SHEET 5 OF 5