

# ASCENDA SIZE "M" ELEVATOR SPECIFICATIONS

## GENERAL:

- TRAVEL: xxx
- OVERHEAD: xxx
- SPEED: 30 FPM
- LOAD CAPACITY: 770 lbs
- STOPS: TWO
- SINGLE OPENING (FRONT)

## CAR FEATURES:

- 27  $\frac{9}{16}$ " W X 31  $\frac{1}{2}$ " D CAR SIZE
- 78  $\frac{11}{16}$ " INTERIOR CAR HEIGHT
- WHITE/BLACK TEXTURE POWDER COATED CAB WITH CLEAR LAMINATED SAFETY GLASS VISION PANELS
- 2 HANDRAILS (W/ INTEGRATED CONTROLS)
- BLACK CAR ACCENT STRIP
- CHARCOAL FORGO FLOORING
- (4) ENERGY SAVING RECESSED LED LIGHT WITH SILVER TRIM RINGS
- (1) 78  $\frac{5}{16}$ " CLEAR LAMINATED SAFETY GLASS SALOON DOORS
- FLIP DOWN SEAT

## FIXTURES:

- BLACK ACRYLIC CAR OPERATING PANEL (COP) WITH WITH INTEGRATED KEYPAD PHONE AND STATUS DISPLAY, UP/DOWN ARROW BUTTONS, AND ALARM BUTTON
- SILVER ALUMINUM HANDRAIL WITH CONTROLS, UP/DOWN ARROW BUTTONS, DOOR OPEN BUTTON, IN CAR EMERGENCY STOP BUTTON AND FAN KNOB
- (2) WIRELESS HALL STATIONS WITH UP/DOWN ARROW BUTTONS AND DOOR OPEN BUTTON

## MECHANICAL EQUIPMENT:

- MODULAR EXTRUDED ALUMINUM RAIL STRUCTURE
- CAR FRAME ASSEMBLY
- 230 VAC, 60Hz, 30 AMP SINGLE PHASE POWER SUPPLY
- 24 MM PITCH SCREW DRIVE SYSTEM
- INTEGRATED FREQUENCY INVERTER DRIVE SYNCHRONOUS MOTOR

## ELECTRICAL:

- MAIN LINE: 230 V, 60Hz, , 30 A, SINGLE PHASE
- CAR LIGHT (OPTIONAL): 115 V, 60Hz, 15 A, SINGLE PHASE

## SAFETY DEVICES:

- SAFETY NUT
- BELT MONITOR
- ONE UPPER AND ONE LOWER FINAL LIMITS
- IN-CAR EMERGENCY STOP SWITCH AND ALARM
- CAR DOOR LOCKING DEVICE FOR CAR GATE(S)
- BATTERY BACK UP EMERGENCY CAR LIGHT AND ALARM
- TOP CAR OBSTRUCTION SAFETY DEVICE
- BOTTOM CAR OBSTRUCTION SAFETY DEVICE
- HATCH OBSTRUCTION SAFETY DEVICE
- BATTERY LOWERING SYSTEM
- OVERLOAD SENSOR
- MANUAL LOWERING DEVICE

## CONTROLS:

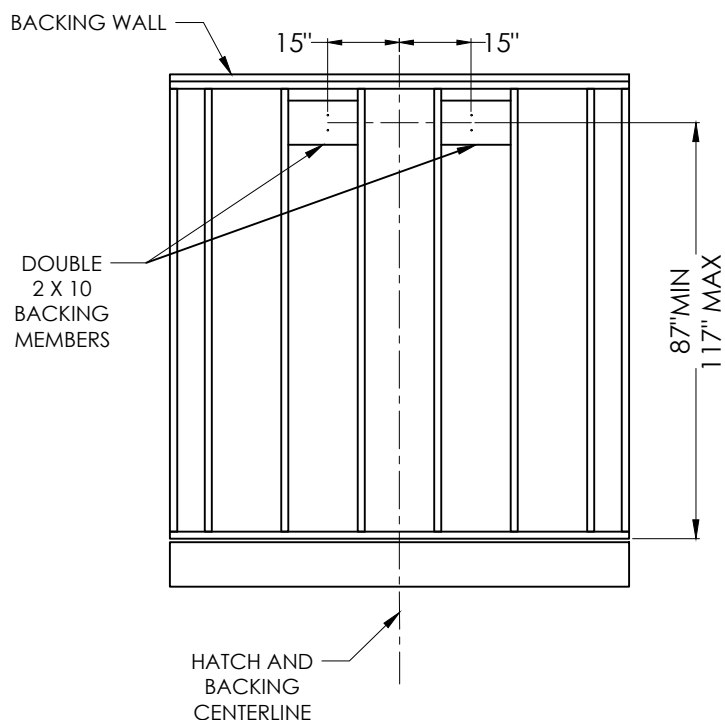
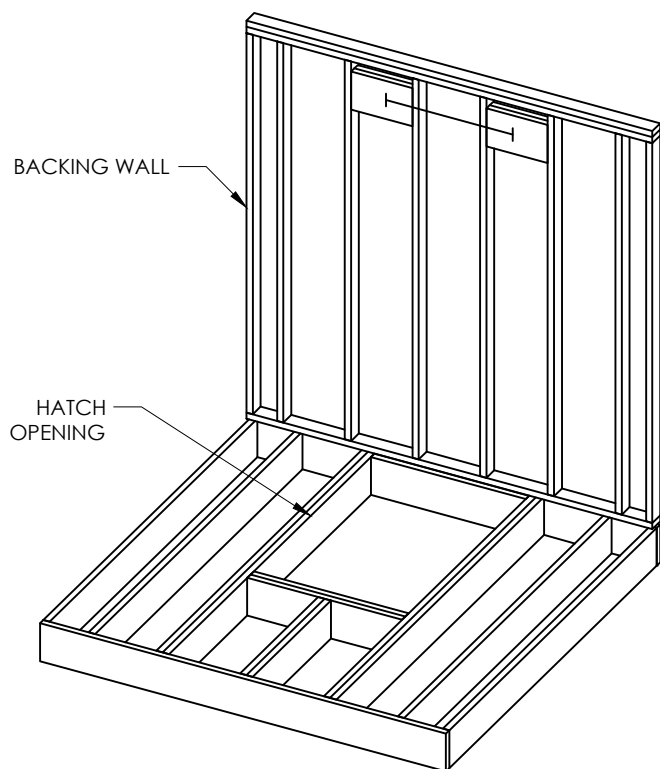
- CONSTANT PRESSURE OPERATION
- SELF DIAGNOSTIC SYSTEM WITH DIAGNOSTIC LED

## OPTIONAL INCLUDED FEATURES:

- IoT MODULE - WI-FI AND SIM CARD
- EMBEDDED TOWER LED LIGHT STRIP
- INTEGRATED FAN
- MIRROR FINISH CEILING
- CONTROL BUTTONS - DUAL COLOR
- ACCENT CAR PANEL WITH RECESSED LIGHT
- CONTROL BOX LOCATION: A SIDE/C SIDE/REMOTE (2 BENDS MAXIMUM)

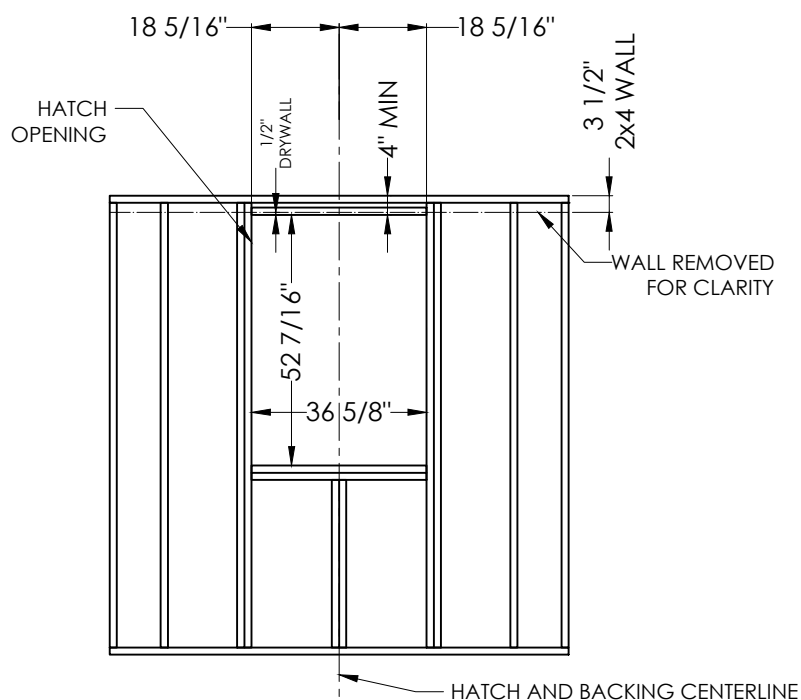
## CIBES SYMMETRY

|                        |                    |                           |               |
|------------------------|--------------------|---------------------------|---------------|
| TITLE<br>ASCENDA TFL-M |                    |                           | SCALE<br>NONE |
| DRAWN BY<br>DRAWN_BY   | DATE<br>DRAWN_DATE | DRAWING NO.<br>DRAWING_NO | REV<br>REV_NO |
| JOB INFORMATION        |                    |                           |               |
| JOB_REFERENCE          |                    |                           |               |
| JOB_ADDRESS            |                    |                           |               |
| JOB_CITY_ST_ZIP        |                    |                           |               |



#### BACKING NOTES:

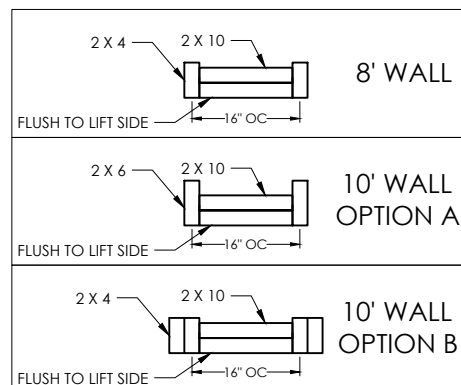
1. WALLS TALLER THAN 8' REQUIRE DOUBLED 2X4 STUDS OR 2X6 WALL CONSTRUCTION
2. USE GLUE OR CONSTRUCTION ADHESIVE ON ALL JOINED SURFACES
3. USE #8 X 2.5" WOOD SCREWS FOR THE 2 X 4'S
4. USE #10 X 3" WOOD SCREWS FOR THE 2 X 10'S



#### HATCH NOTES:

1. 3/4" SUBFLOOR AND 2X4 WALL REMOVED FOR CLARITY
2. JOIST HANGERS AS REQUIRED BY LOCAL BUILDING CODE
3. INSIDE SURFACE OF THE HATCH TO BE SOLID UNFINISHED MATERIAL
4. CUT SUBFLOORING FLUSH TO HATCH OPENING
5. ENSURE HATCH OPENING IS AT LEAST DRYWALL THICKNESS AWAY FROM STUD WALL ON BACKING WALL SIDE.
6. ENSURE HATCH OPENING IS AT LEAST 2 3/16" AWAY FROM WALL MOUNTED PROTRUSIONS OR WINDOW SILLS, CURTAINS ON OTHER THREE SIDES.

#### BACKING MEMBER CONSTRUCTION DETAILS

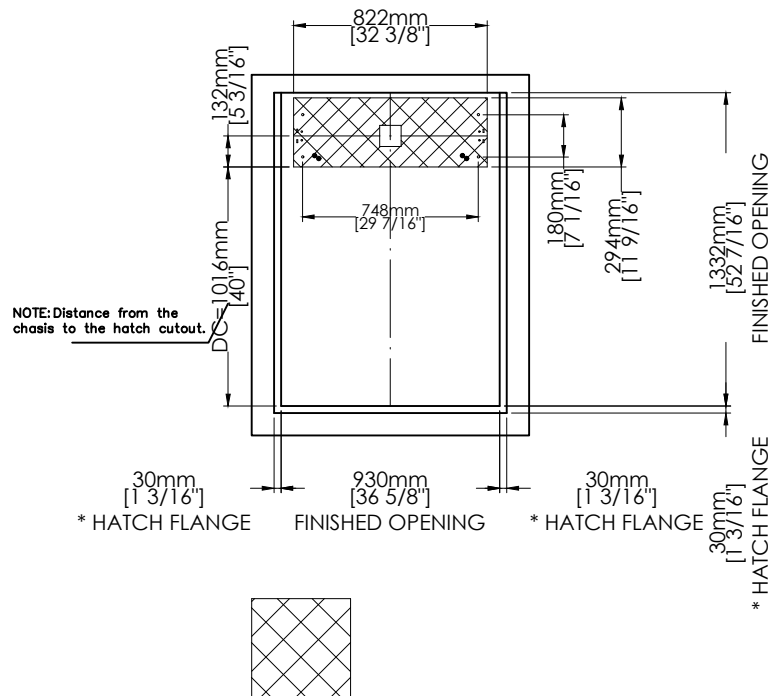


#### CIBES SYMMETRY

|  |                    |                           |               |
|--|--------------------|---------------------------|---------------|
| TITLE<br>TFL-M ASCENDA BACKING DETAIL R1 |                    |                           | SCALE<br>NONE |
| DRAWN BY<br>DRAWN_BY                     | DATE<br>DRAWN_DATE | DRAWING NO.<br>DRAWING_NO | REV<br>REV_NO |
| JOB INFORMATION                          |                    |                           |               |
| JOB_REFERENCE                            |                    |                           |               |
| JOB_ADDRESS                              |                    |                           |               |
| JOB_CITY_ST_ZIP                          |                    |                           |               |

\* THE HATCH FLANGE WILL REST ON THE UPPER LANDING FINISHED FLOOR.

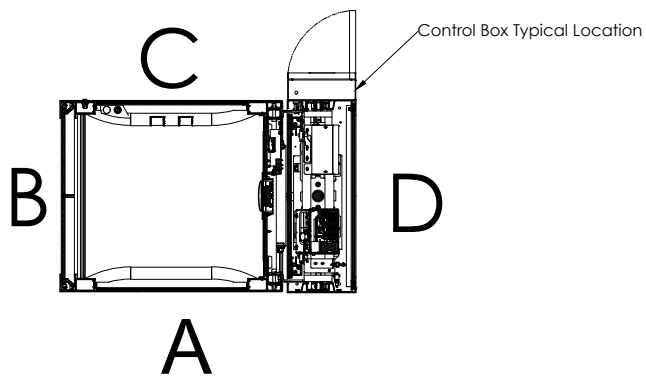
CRASH WARNING: TO ENSURE UNOBSTRUCTED OPERATION, NO ITEMS SUCH AS FLOOR OR CEILING TRIM, PICTURES, WINDOW SILL, ETC., SHOULD BE IN THE AREA OF THE ELEVATOR OR HATCH FLANGE. WE RECOMMEND AT LEAST 1" FROM ANY OBSTRUCTION TO THE HATCH FLANGE.



Section force (include rated load): 3014 ( lbs )

Section area: 2.58ft<sup>2</sup>

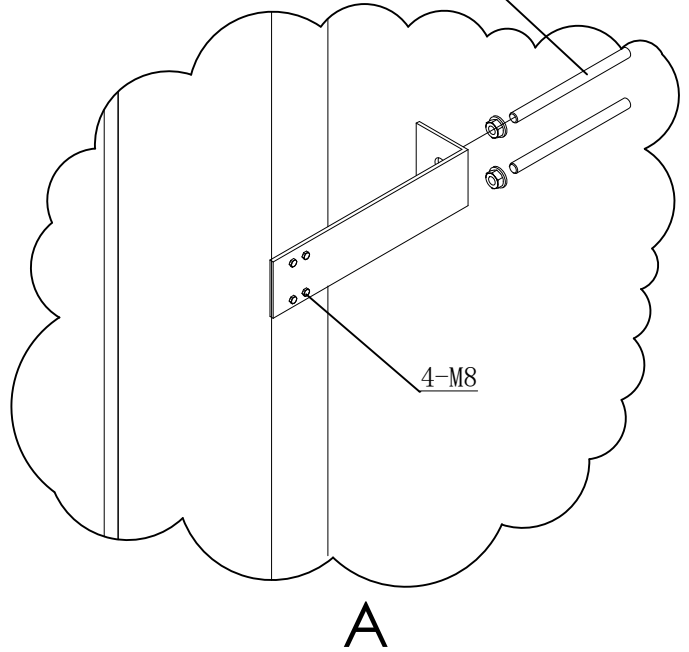
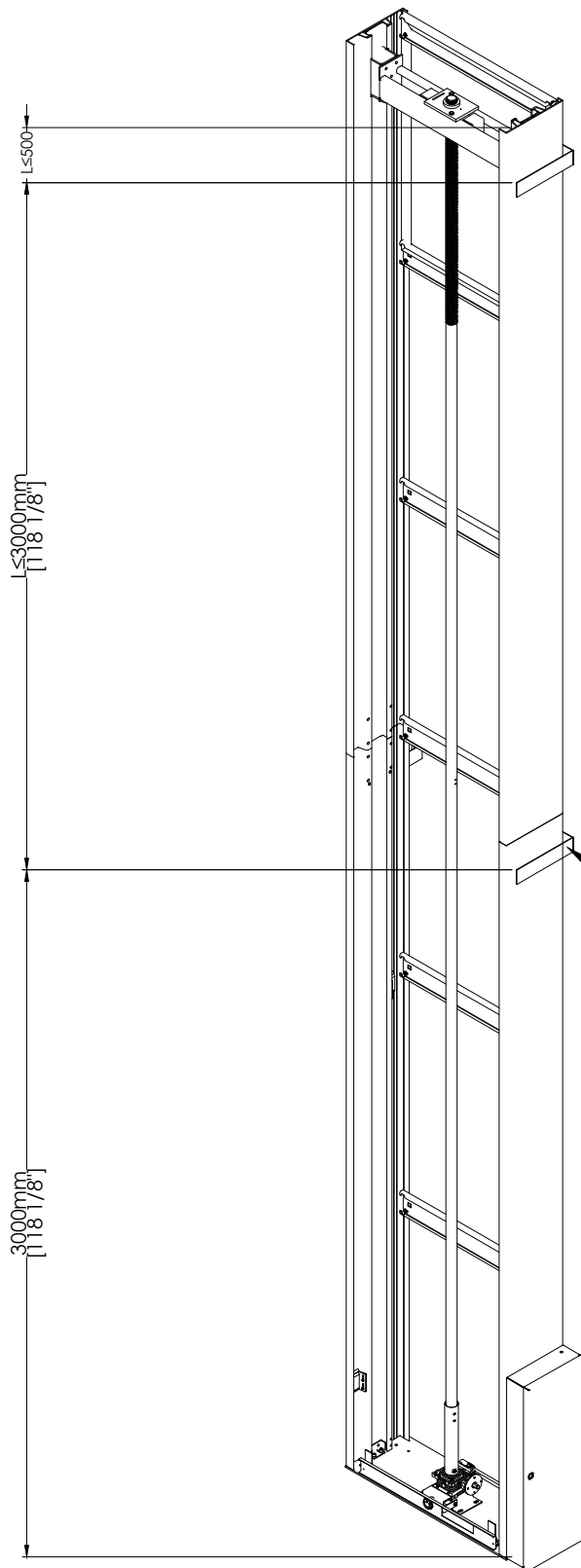
Force per square foot: 1168 ( lbs/ft<sup>2</sup> )



## CIBES SYMMETRY

|                                 |            |             |        |
|---------------------------------|------------|-------------|--------|
| TITLE                           |            |             | SCALE  |
| TFL-M ASCENDA BACKING DETAIL R0 |            |             | NONE   |
| DRAWN BY                        | DATE       | DRAWING NO. | REV    |
| DRAWN_BY                        | DRAWN_DATE | DRAWING_NO  | REV_NO |
| JOB INFORMATION                 |            |             |        |
| JOB_REFERENCE                   |            |             |        |
| JOB_ADDRESS                     |            |             |        |
| JOB_CITY_ST_ZIP                 |            |             |        |

Walls of bricks, terra-cotta, hollow blocks, and similar materials shall not be used for attachment of guide-rail brackets unless they are adequately reinforced. Pull out force 300 lbs



300 lbs in total per side,  
600 lbs per fixing area  
See detail A

## CIBES SYMMETRY

|                        |            |             |               |
|------------------------|------------|-------------|---------------|
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| DRAWN BY               | DATE       | DRAWING NO. | REV           |
| DRAWN_BY               | DRAWN_DATE | DRAWING_NO  | REV_NO        |
| JOB INFORMATION        |            |             |               |
| JOB_REFERENCE          |            |             |               |
| JOB_ADDRESS            |            |             |               |
| JOB_CITY_ST_ZIP        |            |             |               |

NOTES:

1) CONSULT LOCAL AUTHORITY TO ENSURE COMPLIANCE WITH STATE AND LOCAL CODES.

2) MAXIMUM TRAVEL IS 14' (168")

3) MINIMUM FLOOR 1 TO FLOOR 2 SUB FLOOR MEASUREMENT IS  $84\frac{5}{8}"$ .

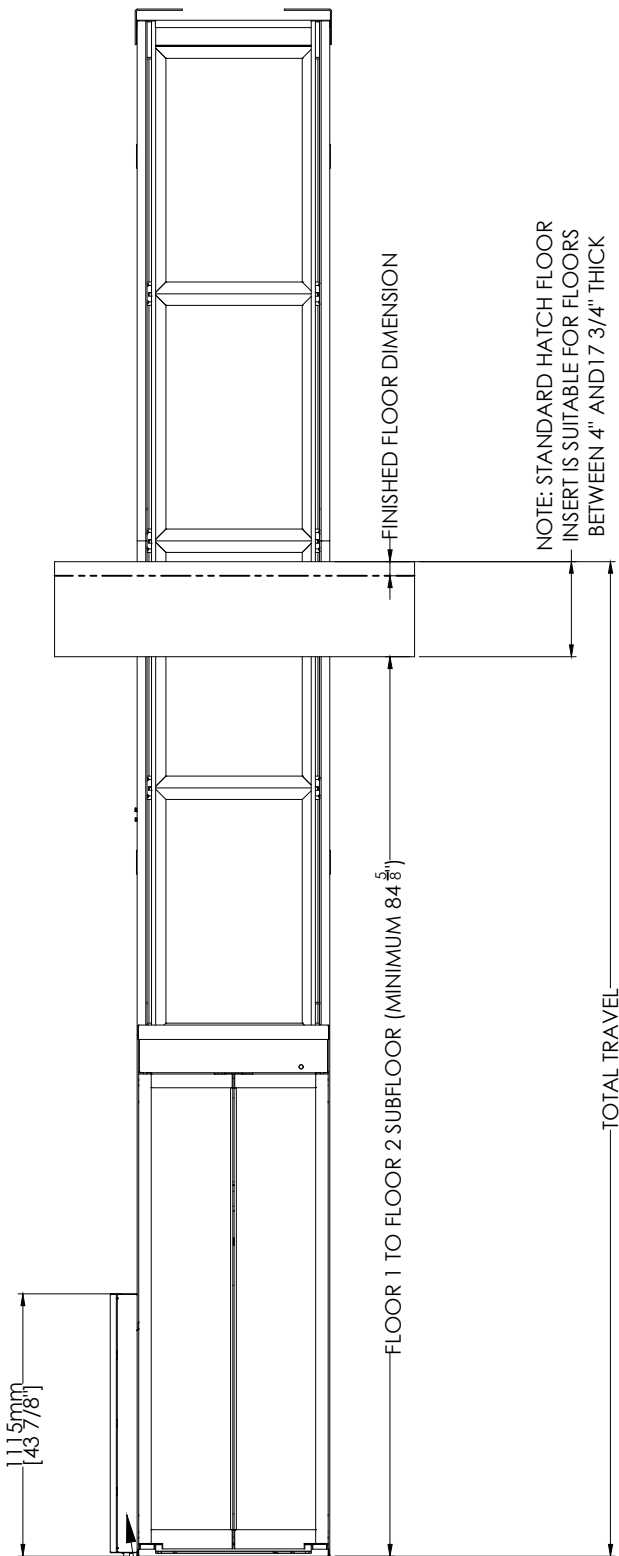
4) OVERHEAD NOTES:

- MINIMUM OVERHEAD IS 7'8" (92") WITH STANDARD EQUIPMENT
- ENGINEERING REVIEW IS REQUIRED IF OVERHEAD EXCEEDS  $100\frac{1}{4}"$  AND UNIT WILL ATTACH TO 2x4 WALL STUDS

JOB SPECIFIC INFORMATION:

OVERHEAD

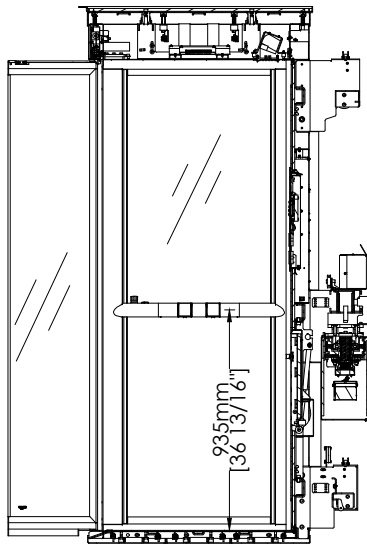
TOTAL TRAVEL  
FLOOR 1 TO 2



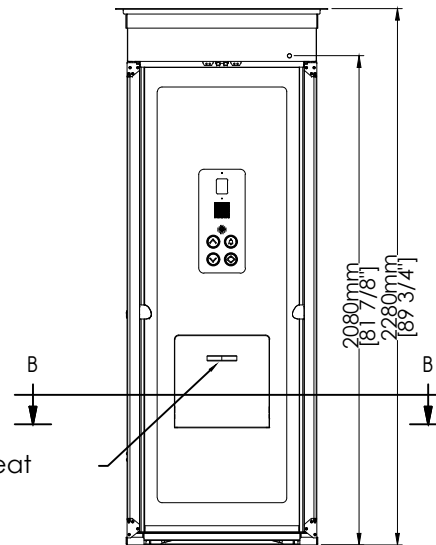
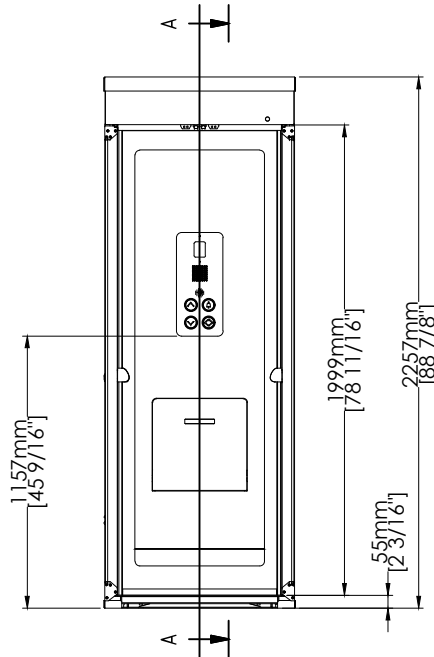
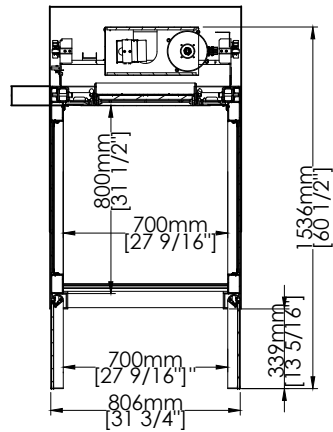
Note: Control box shown on C side.

| CIBES SYMMETRY         |                    |                           |               |
|------------------------|--------------------|---------------------------|---------------|
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A-A (1:1)

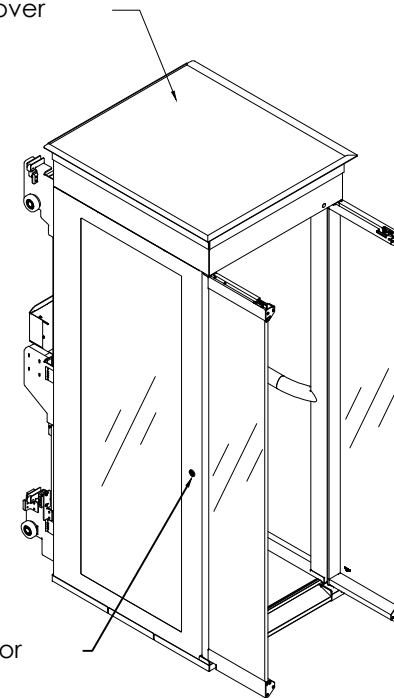


B-B (1:1)



Fold down seat handle

Hatch cover shown



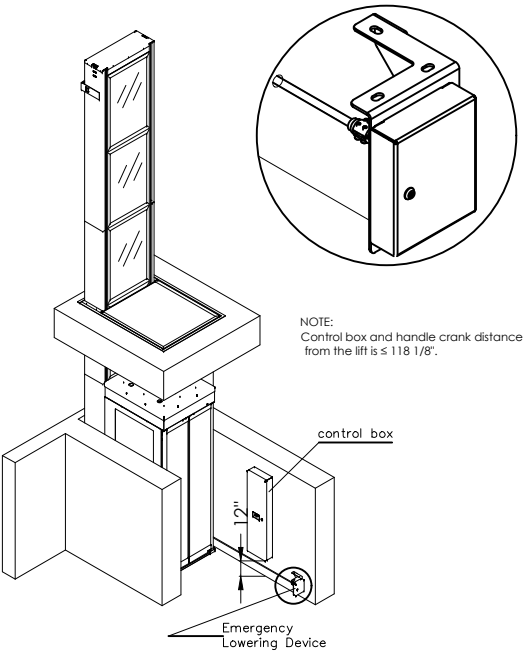
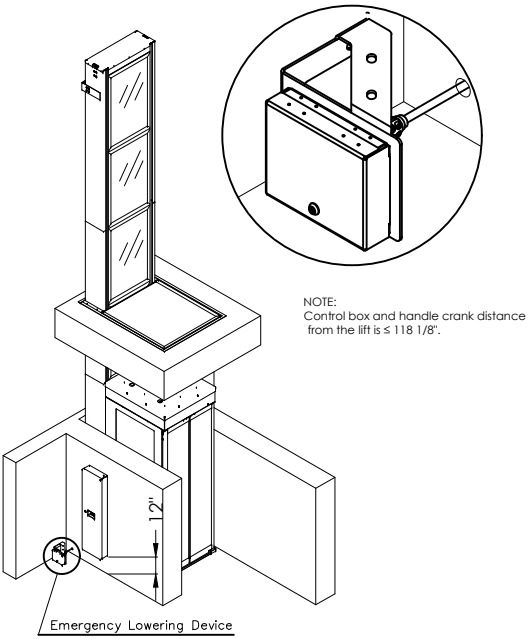
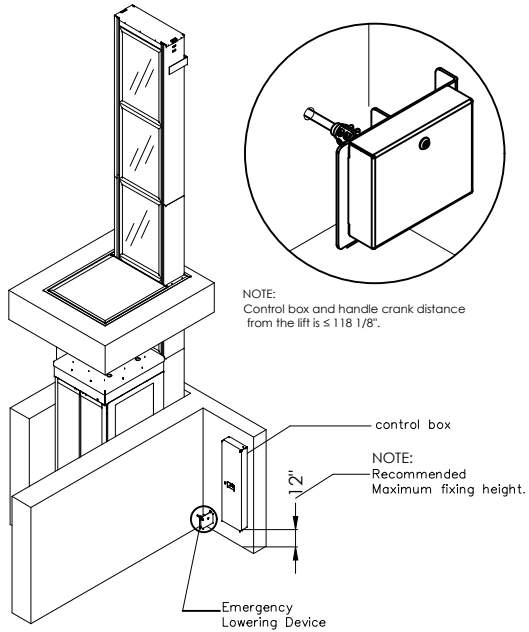
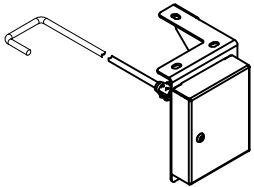
Open door button

When folded down the seat dimensions are: 15<sup>3</sup>/<sub>4</sub>" X 12<sup>3</sup>/<sub>8</sub>" (WxD)  
Seat maximum load capacity is 330lb.

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|------------------------|--------------------|---------------------------|---------------|
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| JOB_ADDRESS            |                    |                           |               |
| JOB_CITY_ST_ZIP        |                    |                           |               |

# OPTIONAL CONTROLLER LOCATIONS

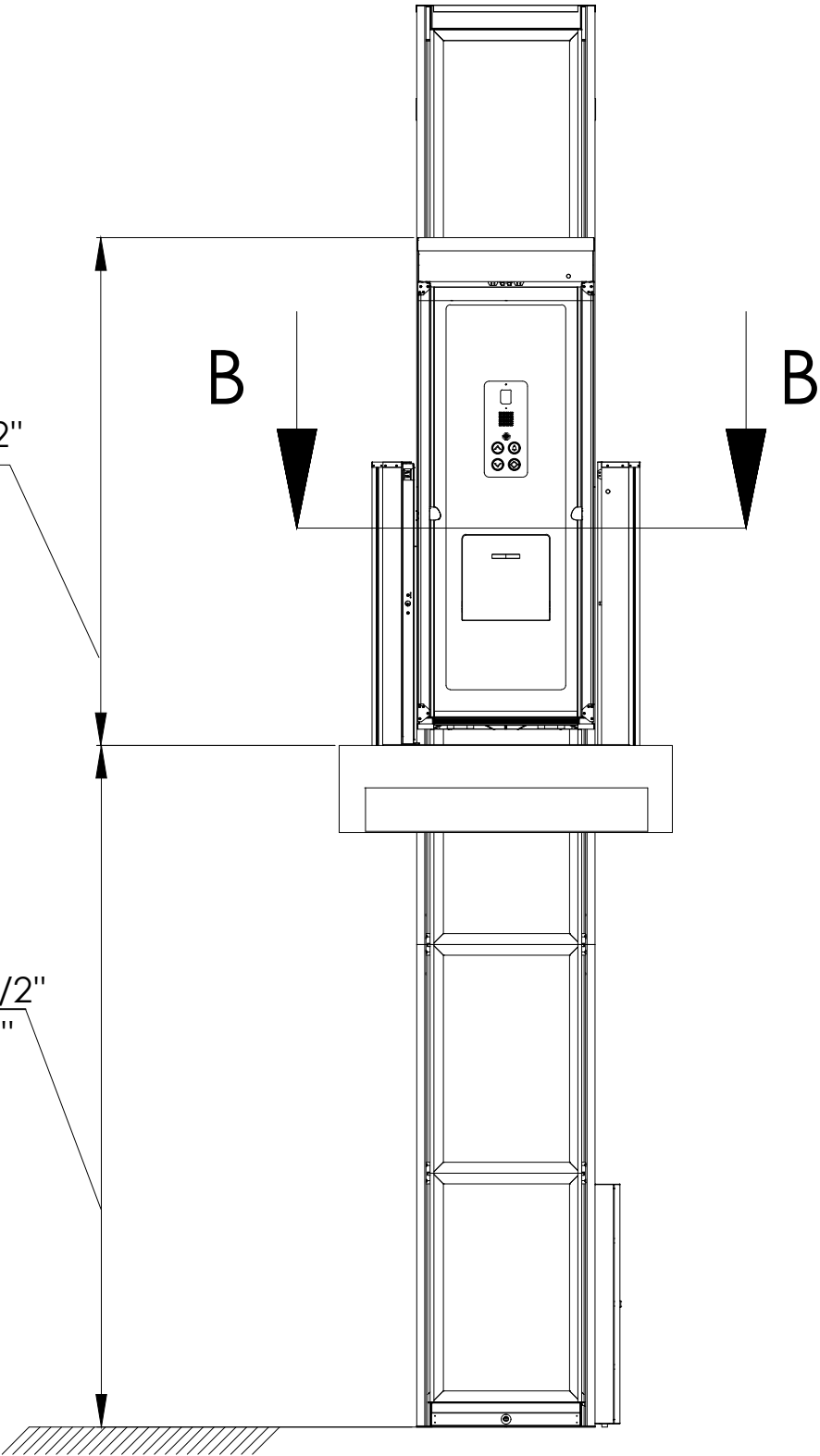
NOTE:  
The maximum number bends is two.



|                        |                    |                           |               |
|------------------------|--------------------|---------------------------|---------------|
| CIBES SYMMETRY         |                    |                           |               |
| TITLE<br>ASCENDA TFL-M |                    |                           | SCALE<br>NONE |
| DRAWN BY<br>DRAWN_BY   | DATE<br>DRAWN_DATE | DRAWING NO.<br>DRAWING_NO | REV<br>REV_NO |
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| JOB_ADDRESS            |                    |                           |               |
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Requirement: 92"

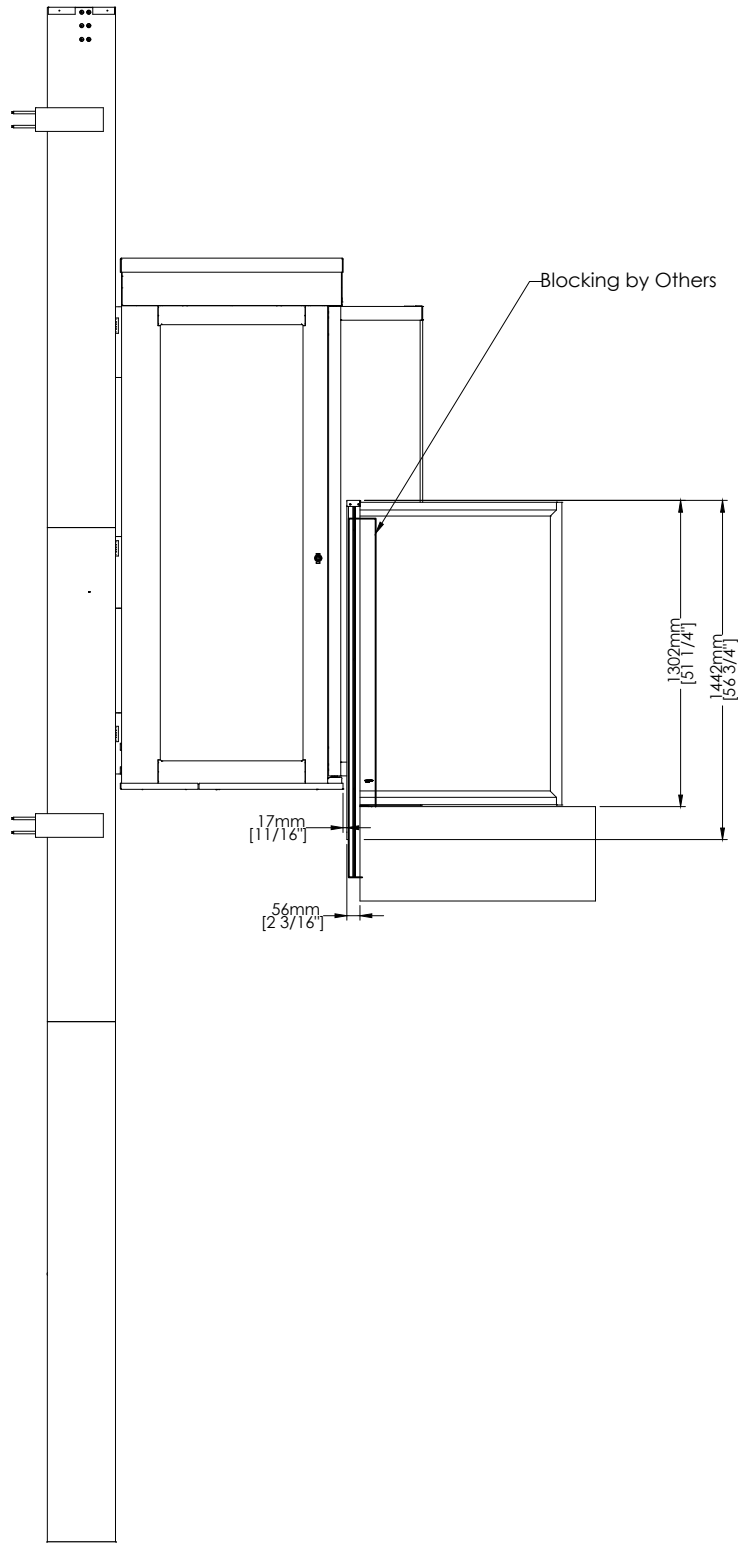
Minimum travel height: 90 1/2"  
Maximum travel height: 168"



OPTIONAL LANDING GATE

| CIBES SYMMETRY         |                    |                           |               |
|------------------------|--------------------|---------------------------|---------------|
| TITLE<br>ASCENDA TFL-M |                    |                           | SCALE<br>NONE |
| DRAWN BY<br>DRAWN_BY   | DATE<br>DRAWN_DATE | DRAWING NO.<br>DRAWING_NO | REV<br>REV_NO |
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| JOB_CITY_ST_ZIP        |                    |                           |               |



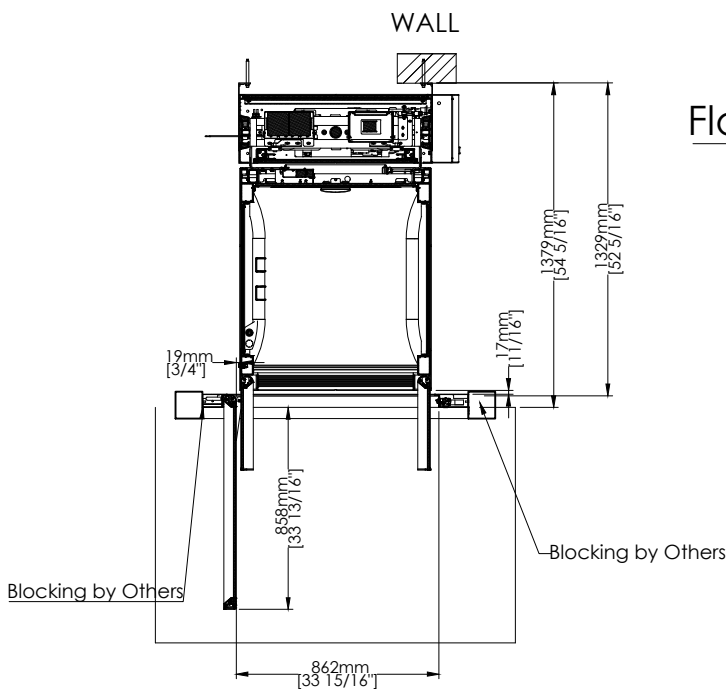


CASE 1:B-B ( 1 : 1 )

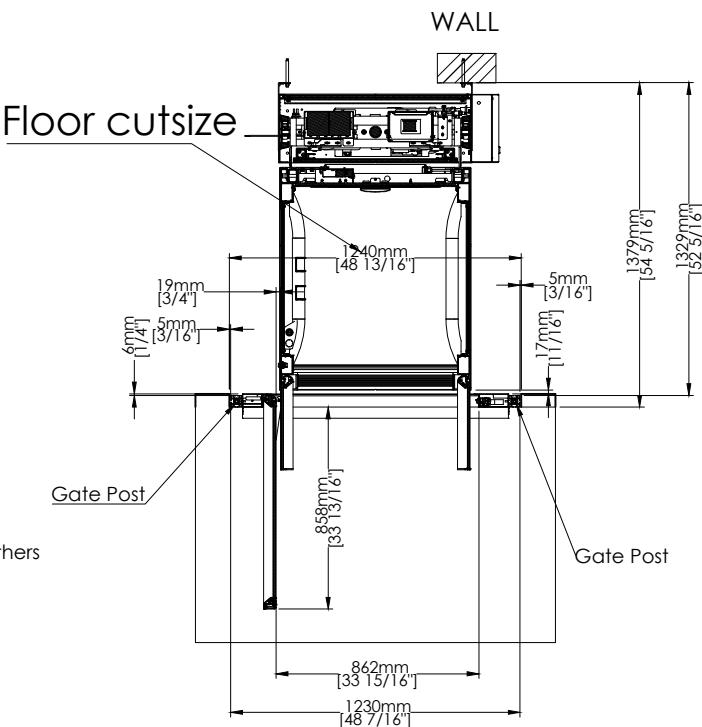
OPTIONAL LANDING GATE

| CIBES SYMMETRY         |                    |                           |               |
|------------------------|--------------------|---------------------------|---------------|
| TITLE<br>ASCENDA TFL-M |                    |                           | SCALE<br>NONE |
| DRAWN BY<br>DRAWN_BY   | DATE<br>DRAWN_DATE | DRAWING NO.<br>DRAWING_NO | REV<br>REV_NO |
| JOB INFORMATION        |                    |                           |               |
| JOB_REFERENCE          |                    |                           |               |
| JOB_ADDRESS            |                    |                           |               |
| JOB_CITY_ST_ZIP        |                    |                           |               |

CASE 1:B-B ( 1 : 1 )



CASE 2:B-B ( 1 : 1 )



Required cuts by  
others

Gate support posts are suitable for masonry construction only an should not be used for non-masonry construction.

OPTIONAL LANDING GATE

| CIBES SYMMETRY         |            |             |               |
|------------------------|------------|-------------|---------------|
| TITLE<br>ASCENDA TFL-M |            |             | SCALE<br>NONE |
| DRAWN BY               | DATE       | DRAWING NO. | REV           |
| DRAWN_BY               | DRAWN_DATE | DRAWING_NO  | REV_NO        |
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| JOB_ADDRESS            |            |             |               |
| JOB_CITY_ST_ZIP        |            |             |               |