

NOTE: SHOP DRAWINGS ARE NOT USED FOR PRODUCTION PURPOSES. PVE ONLY BUILDS TO THE FINAL RELEASE INFORMATION SUBMITTED ON THE ORDER CONFIRMATION FORMS.

Doc.No.A003-001 Rev. C Rev. date:03-10-2021

REVISION AND PRINT RECORD

REV. BY	DESCRIPTION	DATE	FOR
PAB	INITIAL LAYOUT	1/26/22	APP

GENERAL SPECIFICATIONS

DESCRIPTION / MATERIAL / FINISH

TYPE: PVE30 PVE37 PVE52

FLOORS: NUMBER OF STOPS: TWO (2) THREE (3) FOUR (4) FIVE (5)

COLOR: BLACK (STANDARD) LIGHT GRAY
 WHITE DARK GRAY
 TAUPE SILVER

TRAVEL HEIGHT & FLOOR MOUNTS:

T1: 108.000" INCHES MILLIMETERS
 THROUGH FLOOR BALCONY

T2: 108.000" INCHES MILLIMETERS
 THROUGH FLOOR BALCONY

T3: 108.000" INCHES MILLIMETERS
 THROUGH FLOOR BALCONY

T4: INCHES MILLIMETERS
 THROUGH FLOOR BALCONY

D.C.: 108.000" INCHES MILLIMETERS
 (OVERHEAD CLEARANCE)

SPLIT UNIT (REMOTE): YES NO
 IF YES, SPLIT DISTANCE..... ft. m

NOTE: 30ft. (10m MAXIMUM) SPLIT PLATE SIDE ADAPTER

REMOTE CONTROLLER: YES NO
 IF YES, REMOTE DISTANCE..... ft. m

TOP FLOOR EXTENSION OPTIONS:

YES NO

SPLIT PLATE EXTENSION YES NO

HEAD UNIT EXTENSION YES NO

OTHER OPTIONS:

CABIN TELEPHONE
 REMOTE CONTROL (INCLUDE 1 REMOTE)
 CLEAR POLYCARBONATES
 STANDARD MOUNT ACOUSTIC PACKAGE
 180 DEGREE OPPOSITE DOORS (P1 ONLY)
 AUTOMATIC DOOR OPENERS (x4)
 CUSTOM RIGHT HAND DOOR SWING

* ALL UPPER FLOORS DOORS MUST BE SAME SIDE AS ONE ANOTHER FOR CUSTOM DOOR CONFIGURATION

TOLERANCES
 UNLESS OTHERWISE SPECIFIED

1" (100) 25.4 MM OR LESS $\pm 1/32$ (0.03) .793 MM

OVER 1" (100) 25.4 MM LESS THAN 12" (300) 304.80 MM $\pm 1/16$ (0.025) 159 MM

OVER 12" (300) 304.80 MM LESS THAN 60" (600) 1524 MM $\pm 1/8$ (0.025) 318 MM

OVER 60" (600) 1524 MM TO 120" (1200) 3048 MM $\pm 1/4$ (0.025) 635 MM

PNEUMATIC
 VACUUM ELEVATORS LLC

4151 WEST 108TH STREET, HIALEAH, FL 33018
 (305) 884-1091 Fax (305) 884-1092



CUSTOMER: -

JOB NAME: -

LOCATION: -

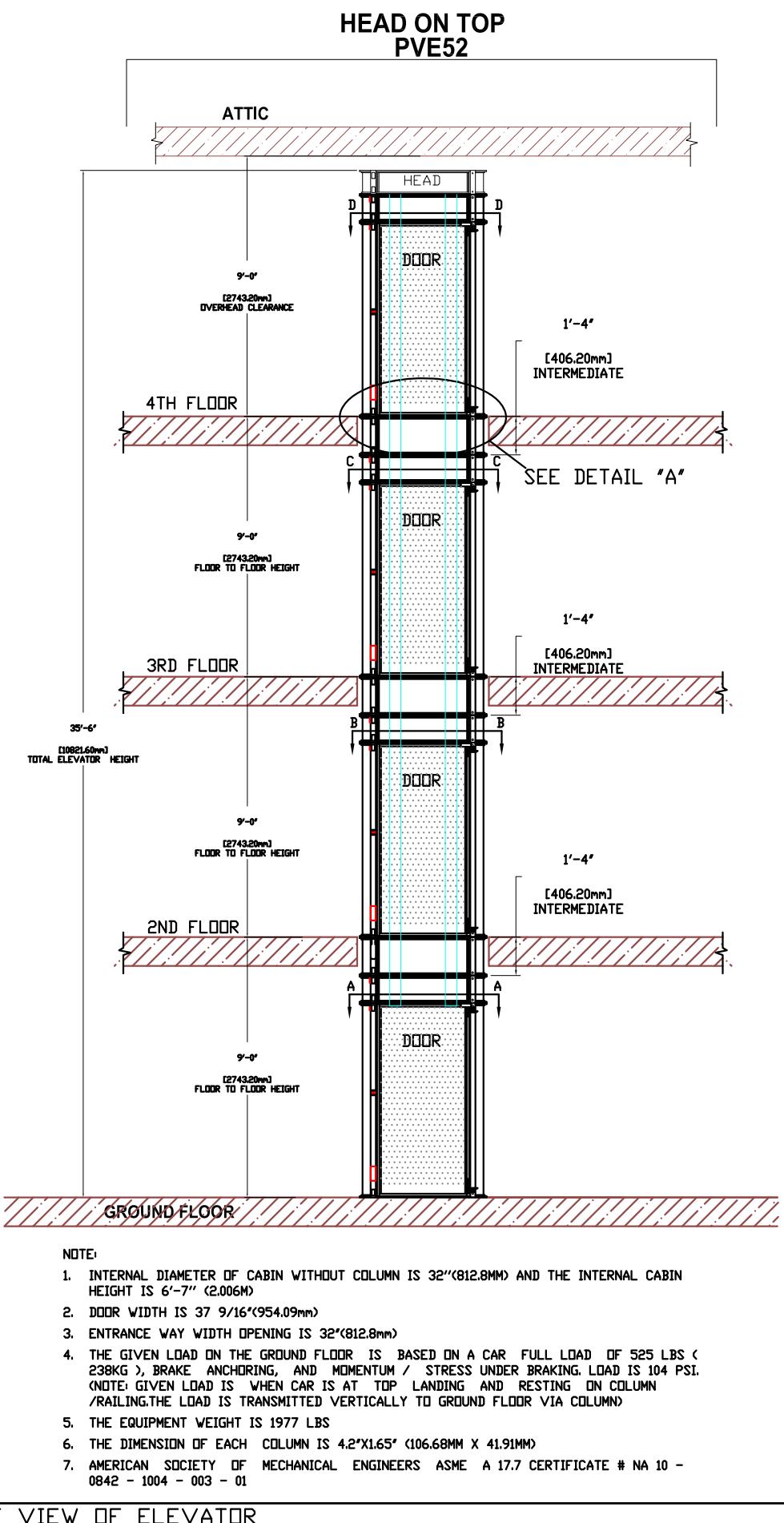
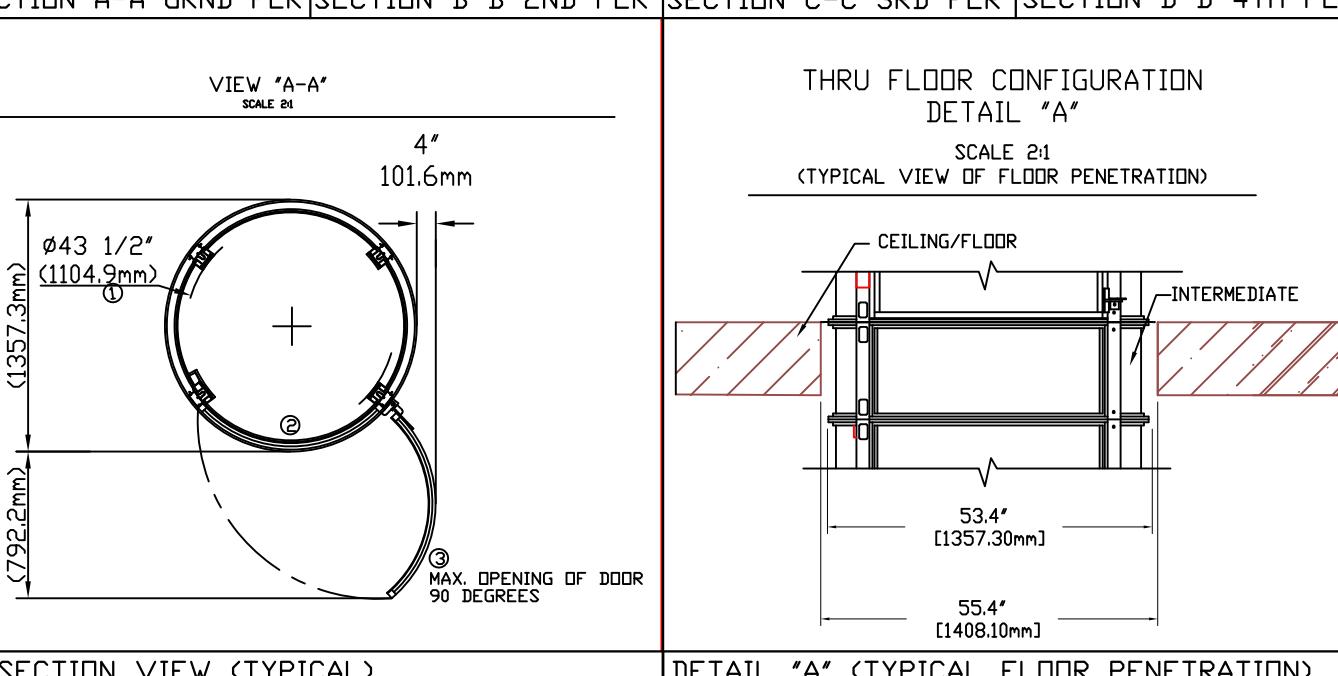
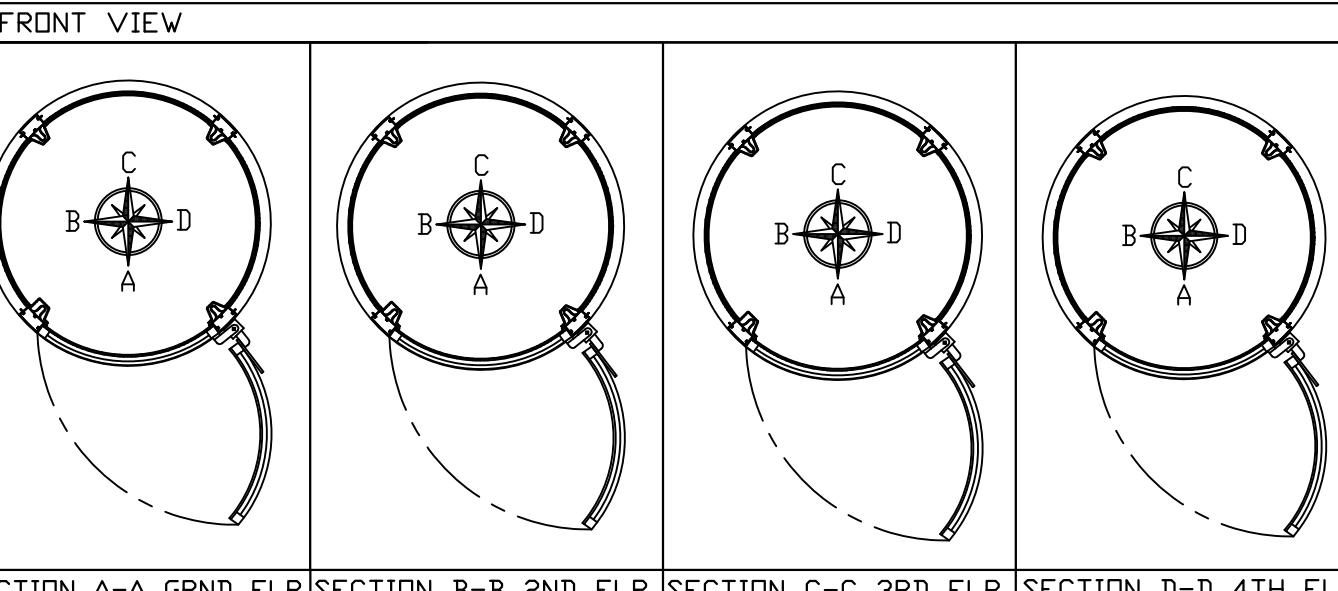
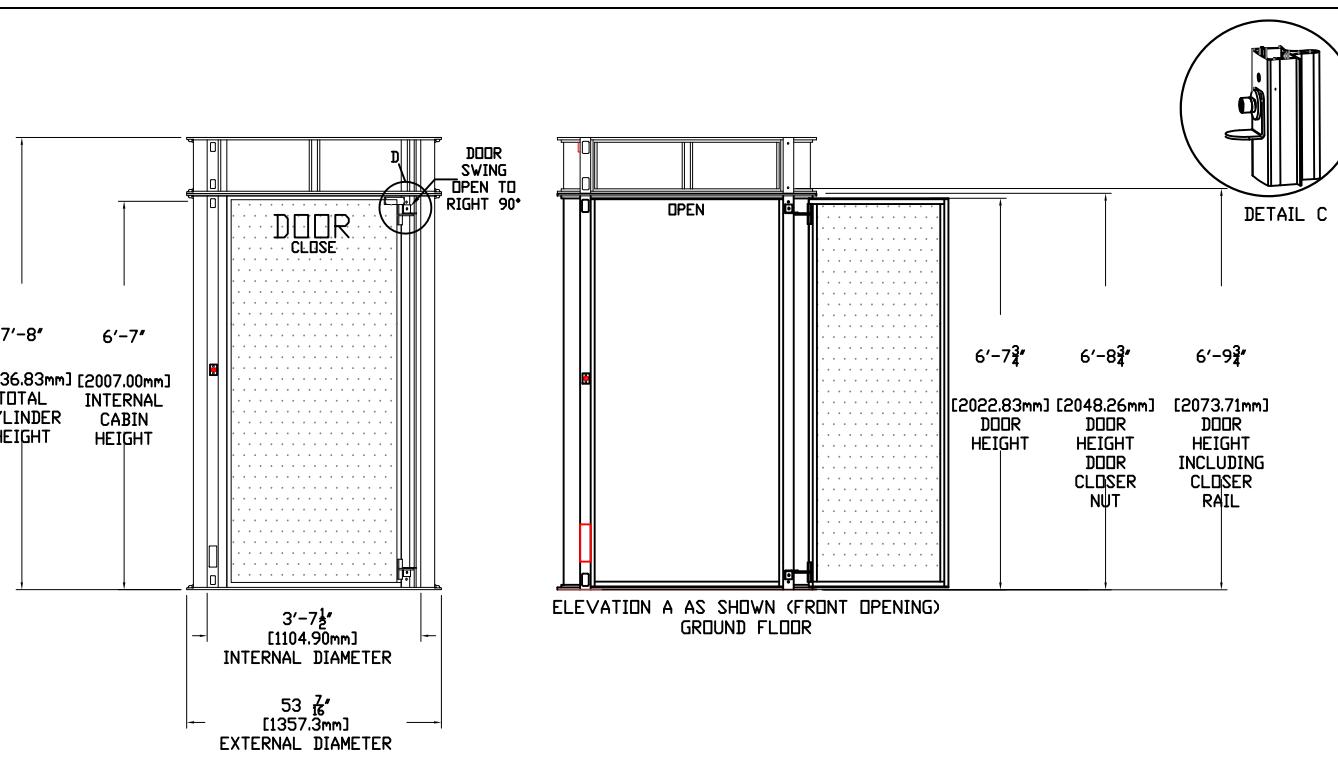
SCALE : NTS

DRAWN BY: AM FINALS : -

CHECKED BY: JC RELEASED BY: XX

CUSTOMER #: XX P. ORDER #: XX

JOB #: --452 SHEET #:1 OF 2



NOTE:

- INTERNAL DIAMETER OF CABIN WITHOUT COLUMN IS 32" (812.8MM) AND THE INTERNAL CABIN HEIGHT IS 6'-7" (2.006M)
- DOOR WIDTH IS 37 9/16" (954.09MM)
- ENTRANCE WAY WIDTH OPENING IS 32" (812.8MM)
- THE GIVEN LOAD ON THE GROUND FLOOR IS BASED ON A CAR FULL LOAD OF 525 LBS (238KG), BRAKE ANCHORING, AND MOMENTUM / STRESS UNDER BRAKING. LOAD IS 104 PSI. (NOTE: GIVEN LOAD IS WHEN CAR IS AT TOP LANDING AND RESTING ON COLUMN / RAILING. THE LOAD IS TRANSMITTED VERTICALLY TO GROUND FLOOR VIA COLUMN)
- THE EQUIPMENT WEIGHT IS 1977 LBS
- THE DIMENSION OF EACH COLUMN IS 4.2"X1.65" (106.68MM X 41.91MM)
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS ASME A 17.7 CERTIFICATE # NA 10 - 0842 - 1004 - 003 - 01

SECTION VIEW (TYPICAL)

DETAIL "A" (TYPICAL FLOOR PENETRATION)

SHAFT VIEW OF ELEVATOR

General

- External cylinder diameter: 52" (1321mm)
- Rated Load: 525 lbs. (238 kg)
- Speed: 30-40 fpm
- No pit required. Bottom level floor must be 100% level as elevator rests on existing floor.
- No hoist way required.
- Penetration required to install through floors and ceilings: 54" (1372mm)

Safety:

- Automatic descent to ground level at safety speed in the event of a power failure.
- Mechanical emergency brakes within two inches of free fall in vacuum loss or catastrophic failure.
- Electromechanical interlocks at each landing
- Alarm system and telephone
- Certification:
 - American Society of Mechanical Engineers ASME A17.7
 - See Supporting certificate and report
 - Certificate # NA 10-0842-1004-003-01

Cabin:

- Entrance width opening: 32" (813mm)
- Internal cabin height: 79" (2006mm)
- Internal cabin diameter: 43 1/2" (1118mm)
- Automatic LED lighting and cabin fan
- Door Height: 79" (2006mm)
- Height to top of Door closer: 80 1/2" (2045mm)
- Each landing level specified will include only one door.
- 24 Volt electrical circuits with all controls in cabin
- Push button call controls with precise leveling at each landing

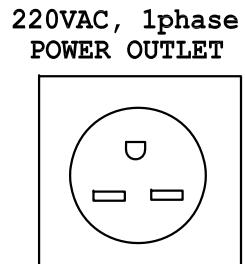
PVE52 Electrical Specifications

The following are the electrical requirements for a elevator, model series PVE52:

- 220 VAC suggested nominal load, 220VAC - 240VAC is an acceptable range. (If installation does not have 220 VAC on a regular basis, a voltage regulator or transformer must be installed by the home owner). Voltage fluctuations are not covered by the warranty.
- 1 phase
- 3 Wire (L1, L2, Ground)
- 40 Amps
- 60/50 Hz
- Power: 7.2 kW
- Primary disconnect is to be provided by others. Location of disconnect is requirement of local Authority Having Jurisdiction (AHJ).
- Electrical termination point is at top of elevator. If a split is used electrical termination will be on top of head/split system.
- A phone line with a phone jack shall be provided by homeowner near the power supply, but isolated.
- A 4ft power cord and plug is provided on top of elevator or head/split system for easy of connecting. The provided plug is manufactured by Pass & Seymour or Comparable substitute:

Catalog Number	Page (PDF)	Rating A	Rating V	Description	Cord Diameter	NEMA Config. No
3869	G11	30/50	250	Angled Plug, Black	0.56 - 1.1 in.	6-30P/6-50P

- Home owner / electrician needs to provide 220VAC, 1phase, 40amp electrical outlet as shown below (Pass & Seymour or Comparable substitute):



Straight Blade Devices Power Outlet receptacles & Plugs 20, 30, 50, & 60 A					Pass & Seymour <input type="checkbox"/> legrand
Catalog Number	Rating A	Rating V	Receptable/Plug Config and NEMA no.	Description	AL/CU
3801	30	250	6-30	Flush Receptacle	.

It is strongly recommended that the electrician contact PVE before starting work.

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DETAILS SHEET