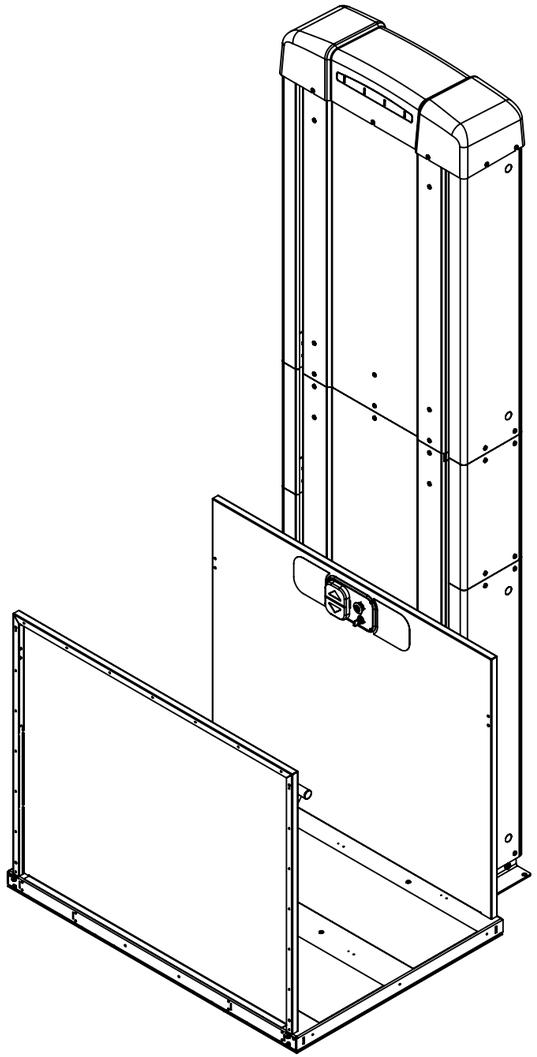
TYPICAL DRAWING
VPL HOISTWAY
STRAIGHT THRU PLATFORM

REVISIONS				
REV.	DESCRIPTION	BY	CHK	DATE
A	INITIAL RELEASE, ECO-005013	CJP	DN	16APR20



PRODUCT SPECIFICATIONS

RATED LOAD:	750 LBS (340 KG) MAXIMUM
INPUT POWER SOURCE:	
-AC POWERED UNIT:	110-120 VAC, 20 AMP, 60 HZ DEDICATED SERVICE
-OPT BATTERY BACKUP UNIT:	BASE 2X 12 V BATTERIES (NOT AVAILABLE FOR VPL800-1400) PLUS 4X 12 V BATTERIES
DRIVE:	
-AC POWERED UNIT:	2/3 HP, 26:1 GEARMOTOR W/BRAKE, 90 VDC, INTERMITTENT DUTY, CLASS H
DRIVE:	1" DIAMETER, 0.1" PITCH, 10 START ACME SCREW (1" LEAD)
LIFT SPEED:	7-10 FEET/MINUTE
SAFETY:	MOTOR FRICTION BRAKE AND ELECTRIC BRAKE, OVERSPEED GOVERNOR, BACKUP ACME NUT, SAFETY PAN, E-STOP, OVERLOAD SENSING, OVER TEMPERATURE SENSING, PERFORMANCE MONITORING, BATTERY MONITORING (ON BATTERY BACKUP UNITS)

FOR COMPLETE TECHNICAL SPECIFICATIONS, REFER TO HARMAR DOCUMENT MKT-000126.

SPECIFICATIONS SUBJECT TO CHANGE WITH OR WITHOUT NOTICE.

DESIGN AND REGULATORY REQUIREMENTS

USA FOOD & DRUG ADMINISTRATION: CLASS II, 510(K) EXEMPT FILE NO. 890.3930, PRODUCT CODE: PCE

DESIGNED IN COMPLIANCE WITH THE FOLLOWING CODES:
- ASME A18.1 SAFETY STANDARD FOR PLATFORM LIFTS AND STAIRWAY CHAIRLIFTS (SECTIONS 2 AND 5)
- CSA B44.1/ASME A17.5 ELEVATOR AND ESCALATOR ELECTRICAL EQUIPMENT
- ICC ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- NFPA 70 NATIONAL FIRE PROTECTION AGENCY - NATIONAL ELECTRICAL CODE
- ETL CERTIFIED - CONTROL NUMBER 3148125

FDA INDICATION OF USE STATEMENT

THE HIGHLANDER II VERTICAL PLATFORM LIFT IS TO ASSIST IN THE TRANSFER OF PATIENTS OR A MOBILITY IMPAIRED PERSON, UP AND DOWN BETWEEN LEVELS OF A RESIDENTIAL OR COMMERCIAL FACILTIY.

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DECIMALS .X = ±0.1
.XX = ±0.02
.XXX = ±0.010

HOLE DIA'S = ±.005

ANGLES = ±1°

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DWG NO. ENG-000844

REV A

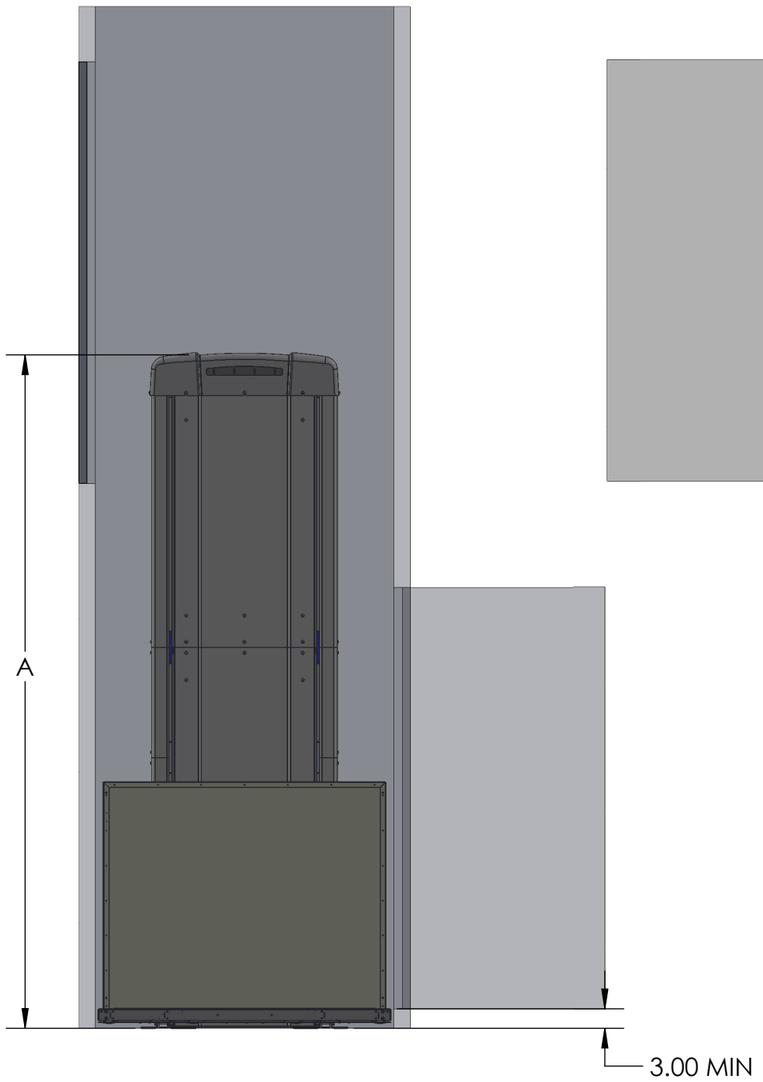
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STRAIGHT THRU PLATFORM

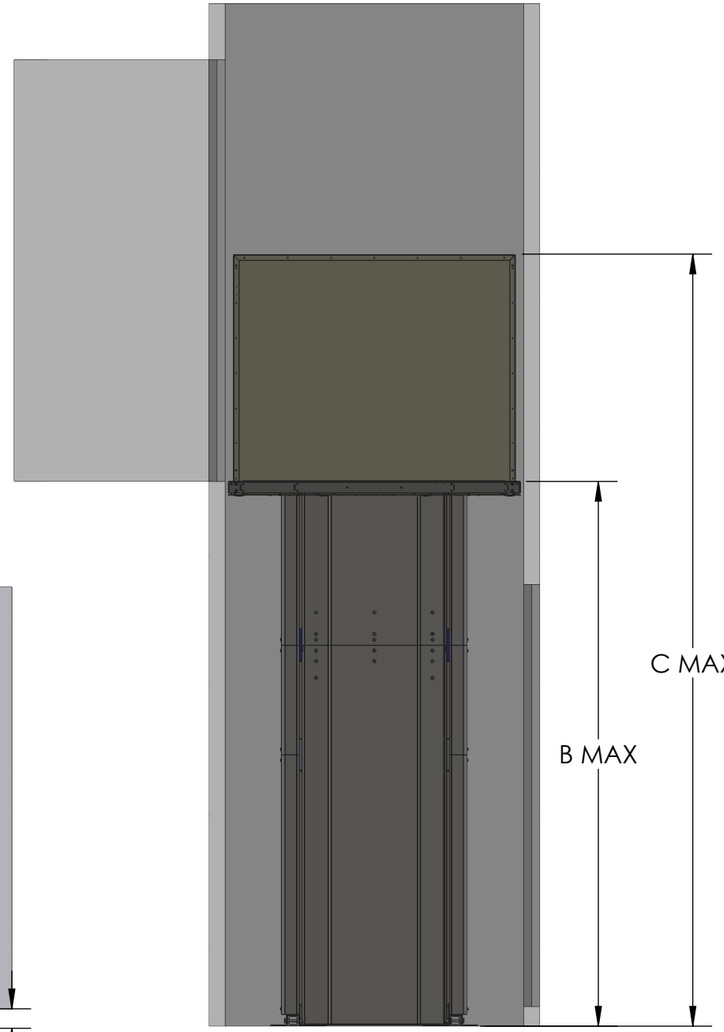
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C POLSTER	17FEB20

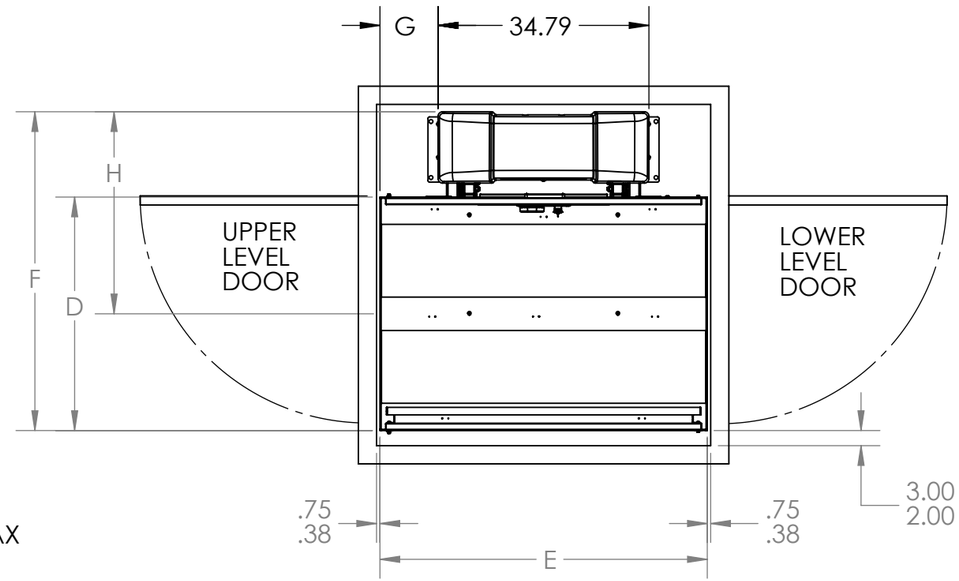
SCALE NTS | SIZE: B | SHEET 1 OF 4

TYPICAL DRAWING
VPL HOISTWAY
STRAIGHT THRU PLATFORM

REVISIONS				
REV.	DESCRIPTION	BY	CHK	DATE
-	See Sheet1	-	-	-







TOWER DIMENSIONS TABLE			
LIFT MODEL	A	B	C
VPL400	77	53	95
VPL600	101	77	119
VPL800	125	101	143
VPL1000	149	125	167
VPL1200	173	149	191
VPL1400	197	171	213

PLATFORM AND HOISTWAY DIMENSIONS TABLE					
PLATFORM	D	E	F	G	H
36" X 54"	36.00	54.00	52.60	9.60	33.33
36" X 60"	36.00	62.00	52.60	13.60	33.33
42" X 54"	42.00	54.00	58.60	9.60	36.33
42" X 60"	42.00	62.00	58.60	13.60	36.33

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REV A

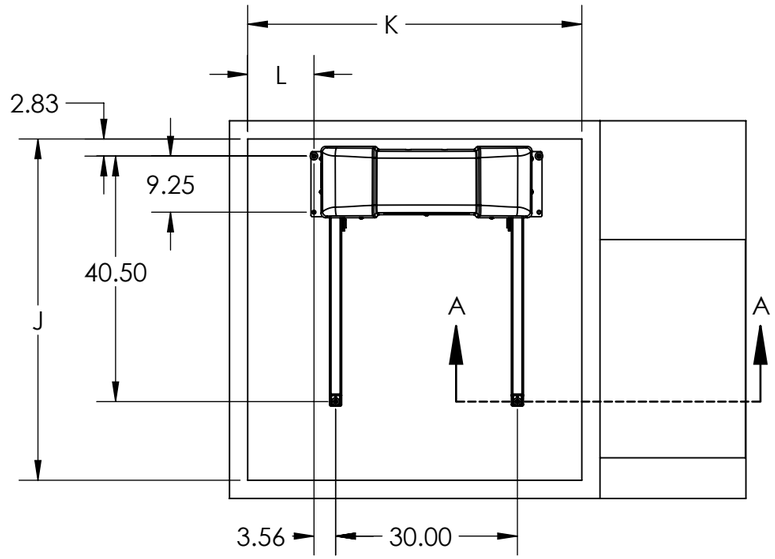
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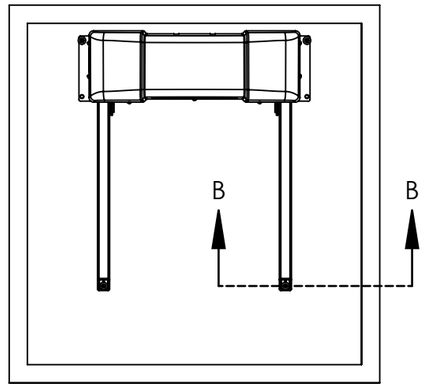
SCALE NTS | SIZE: B | SHEET 2 OF 4

TYPICAL DRAWING
VPL HOISTWAY
STRAIGHT THRU PLATFORM

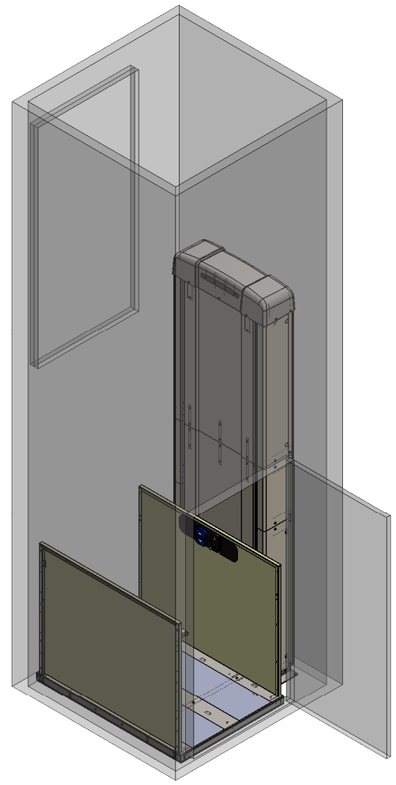
REVISIONS				
REV.	DESCRIPTION	BY	CHK	DATE
-	See Sheet1	-	-	-

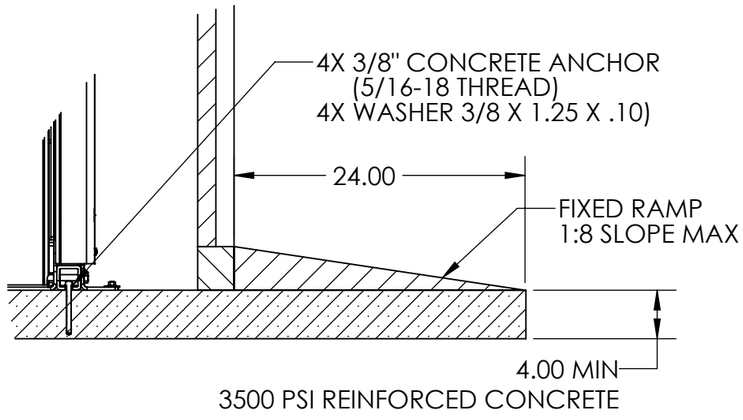


PAD DETAILS

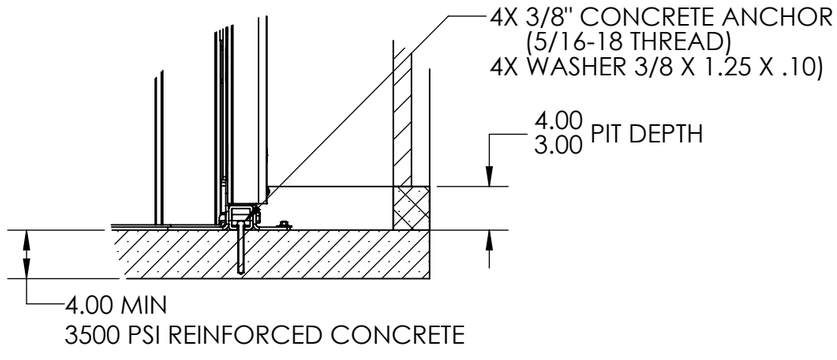


PIT DETAILS





SECTION VIEW A-A
THRU CONCRETE ANCHOR
(NOT TO SCALE)



SECTION VIEW B-B
THRU CONCRETE ANCHOR
(NOT TO SCALE)

	HOISTWAY DIMENSIONS		
PLATFORM	J	K	L
36" X 54"	55.80-56.80	54.75-55.50	9.00
36" X 60"	55.80-56.80	62.75-63.50	13.00
42" X 54"	61.80-62.80	54.75-55.50	9.00
42" X 60"	61.80-62.80	62.75-63.50	13.00

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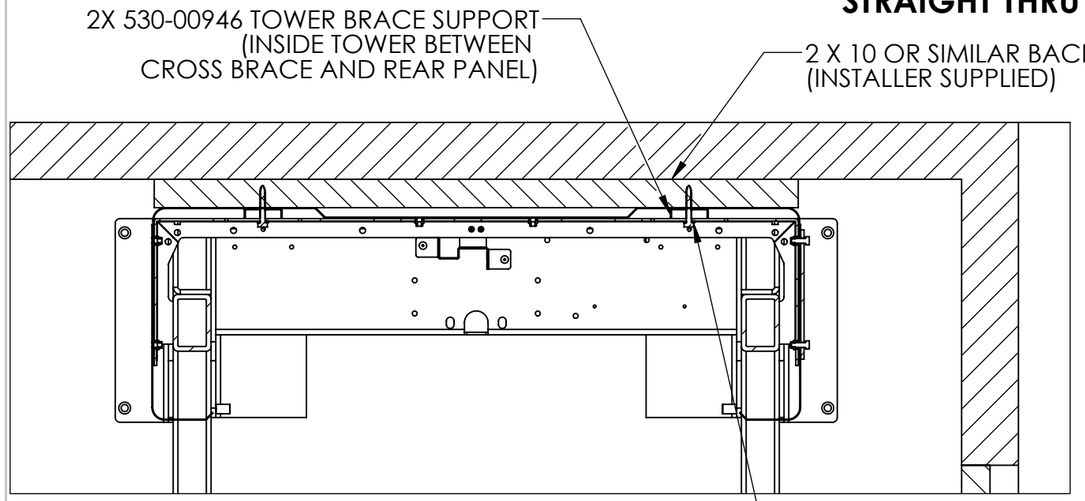
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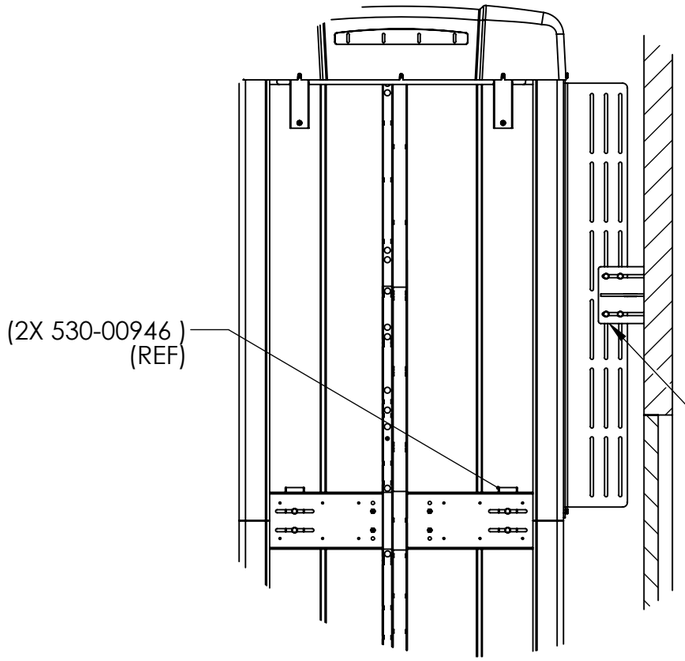
SCALE NTS | SIZE: B | SHEET 3 OF 4

TYPICAL DRAWING
VPL HOISTWAY
STRAIGHT THRU PLATFORM

REVISIONS				
REV.	DESCRIPTION	BY	CHK	DATE
-	See Sheet1	-	-	-



TOWER SUPPORT THROUGH UPPER CROSS BRACING



TOWER SUPPORT FROM SIDE OF TOWER TO HOISTWAY

Site Construction Details

Electrical Requirements:
Refer to NFPA 70 and all applicable codes for all electrical and wiring requirements.

Platform Pathway Requirements:
Ensure the platform pathway is sufficiently illuminated, clear of any electrical conduit and wireways and there is sufficient headroom clearance (minimum of 79"-2007mm) per ASME A18.1throughout floor-to-floor travel.

Floor Recommendations:
A 4" (102mm) thick, 3500 PSI minimum compressive strength, reinforced concrete pad is recommended.

Tower Floor Anchoring:
VPL must be fastened to concrete pad using a minimum of four (4) 3/8" (5/16" bolt) x minimum 2-1/2" long concrete anchors suiltable for the environment. Refer to Pad Details on sheet 3 for mounting hole locations. Follow selected concrete anchor manufacturer's guidelines and all applicable codes.

Tower Support:
Tower support is not required on lifts with travel under 8 feet. Lifts with travel of 8 feet or more are required to be supported appropriately. See views at left or installation manual for more details.

Top Landing Gate Attachment:
Refer to landing gate detail pages.

Platform to Top of Landing Sill Clearance:
ASME A18.1 code stipulates the platform-to-sill clearance at the upper landing shall not be less than 3/8" (9.5mm) nor exceed 3/4" (19.1mm). Follow all applicable codes.

Hoistway Wall Requirements:
ASME A18.1 code stipulates that fascia should be smooth and/or non-perforated that guards the full length and width of the platform. Follow all applicable codes.

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STRAIGHT THRU PLATFORM

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SCALE NTS | SIZE: B | SHEET 4 OF 4