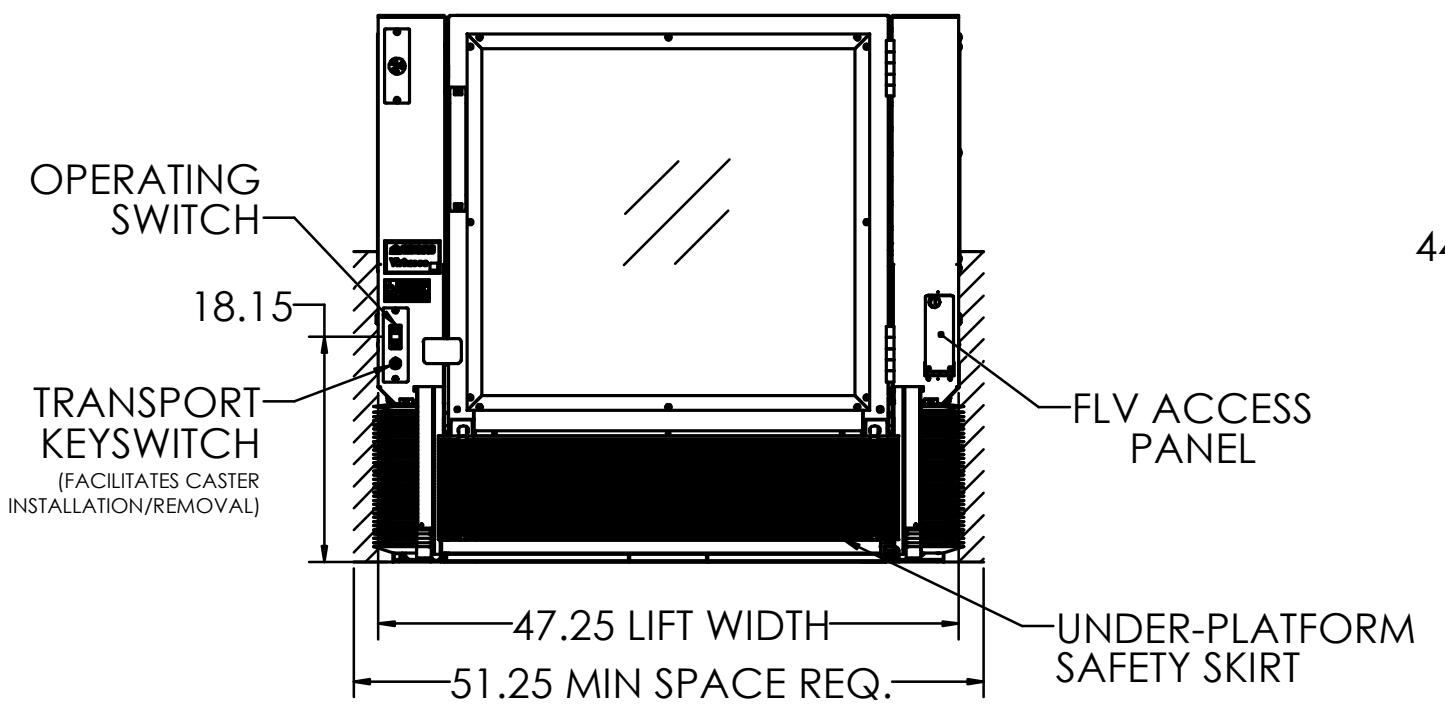
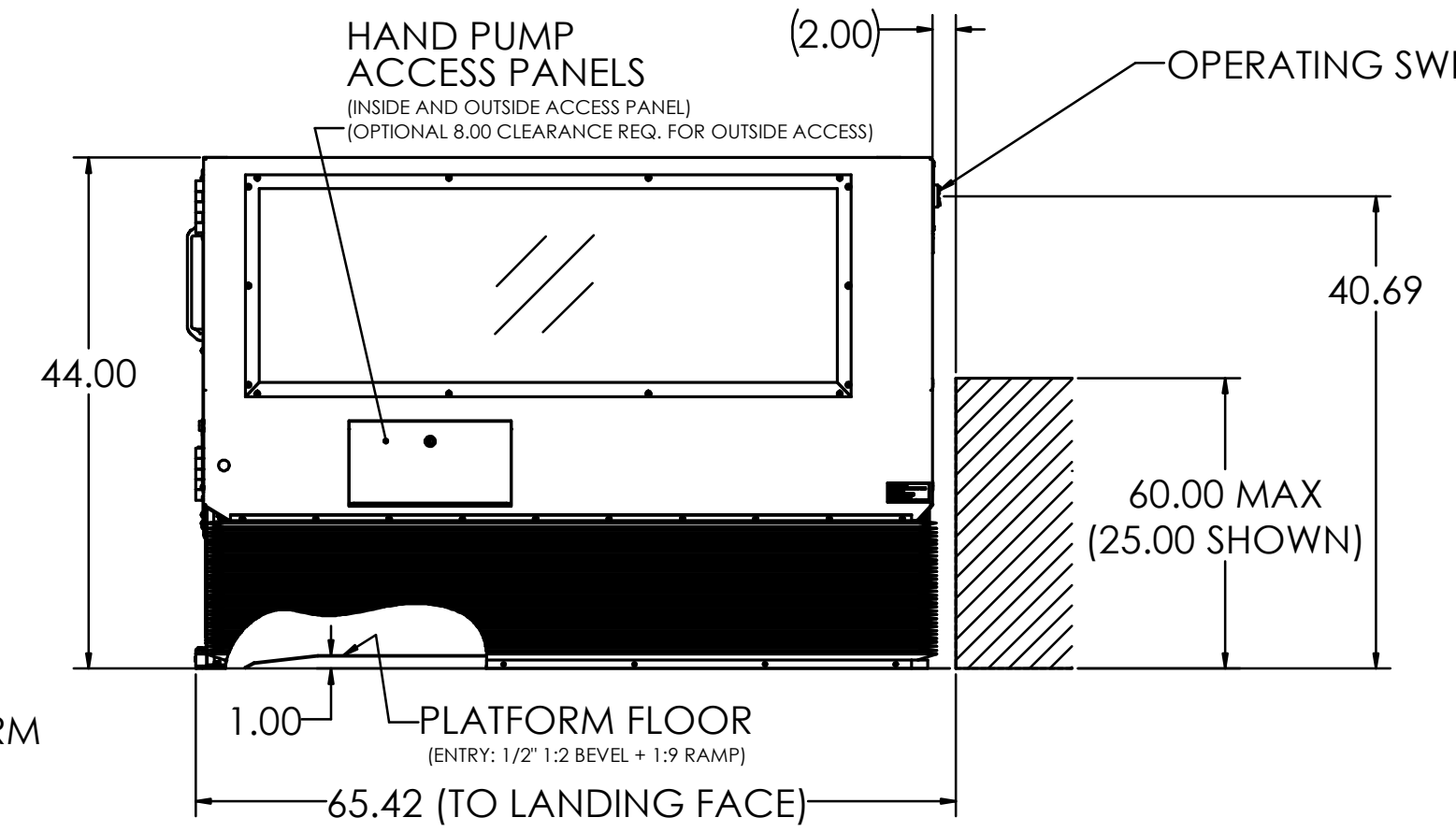
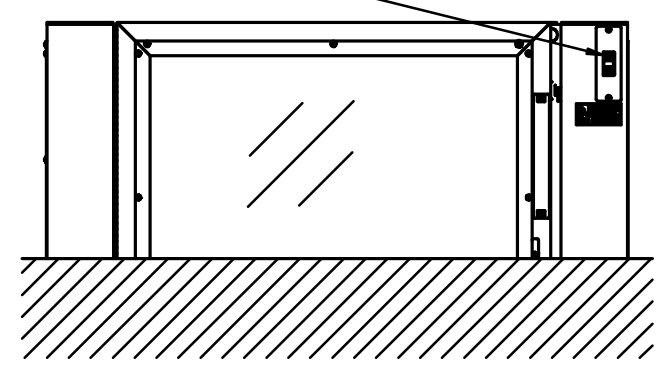


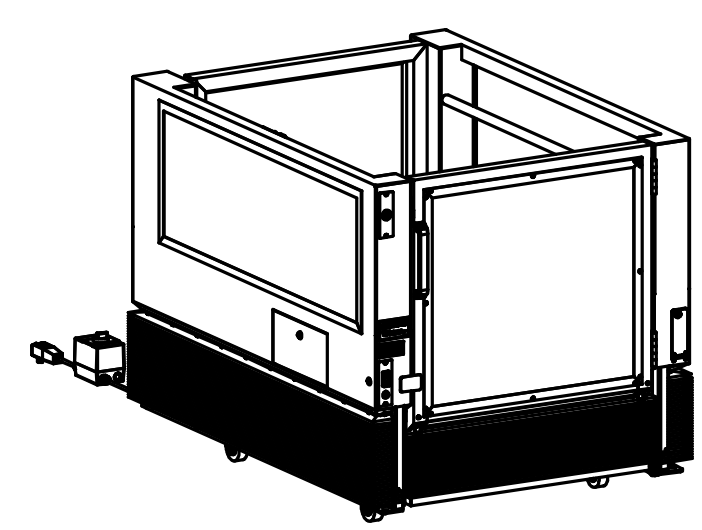

**FRONT VIEW**
**(LOWER LANDING)**




**SIDE VIEW**



**BACK VIEW**
**(UPPER LANDING)**



# ASCENSION VIRTUOSO 5460P VERTICAL PLATFORM WHEELCHAIR LIFT FOR RELOCATABLE LIFT APPLICATIONS

PROJECT NAME, CITY, STATE:

VIRTUOSO P/N:
VIRTUOSO 5460P-1

INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM]
TOLERANCES:

| DECIMALS | ANGLES |
|---|---|
| .XX ± .25 | ± .5° |
| .XXX ± .13 | |

DO NOT SCALE DRAWING

| | |
|---|---|
| CONTRACT | |
| DRAWN: S.APPLEBY | DATE: 7/24/2024 |
| CHECK | |
| APPROVED | |
| MANUFACTURING | |
| CUSTOMER | |
| FINISH | |
| SIMILAR TO | ACT. WT. / CALC. WT. |

APPROVED
By Philip Brobeck at 8:12 am, Jul 29, 2024

P.O. BOX 40020
TUCSON, ARIZONA 85717-0020
ascension®

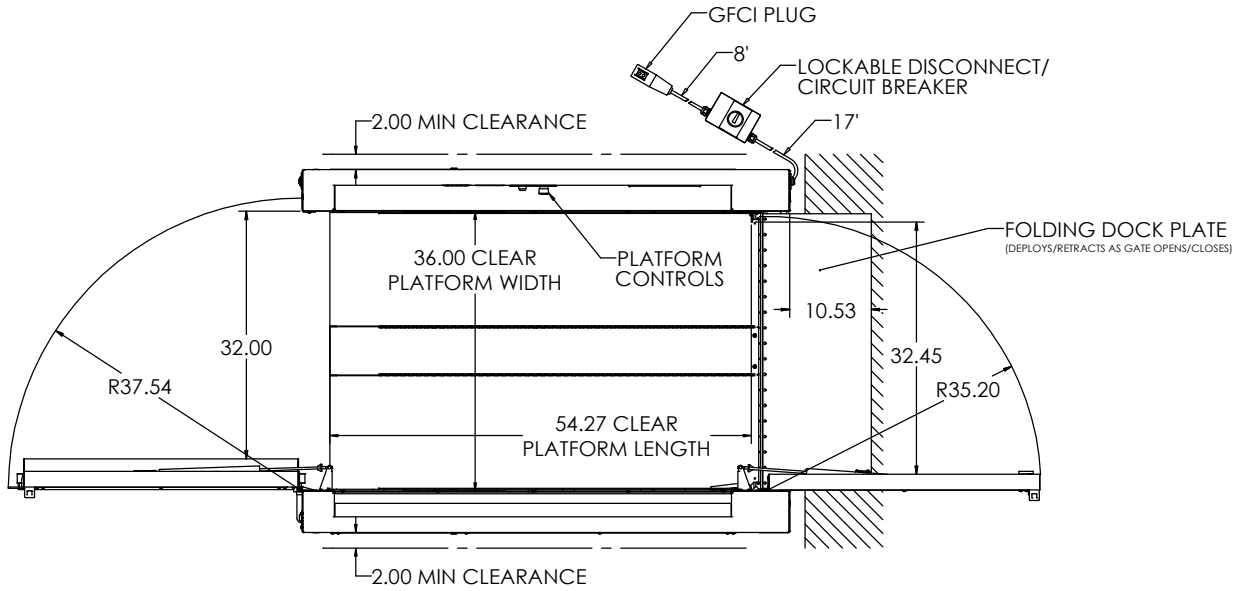
TITLE: VIRTUOSO 5460P RELOCATABLE PLATFORM LIFT

| SIZE | FSCM NO. | DWG. NO. | REV |
|---|---|---|---|
| D | 08992 | VIRTUOSO 5460P | D |

| SCALE | RELEASE DATE | SHEET |
|---|---|---|
| 1/10 | | 1 OF 3 |

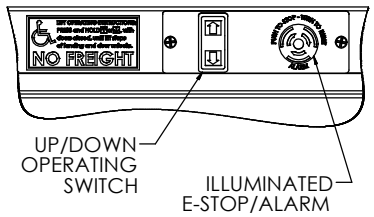
D SIZE SHT 1 02/03

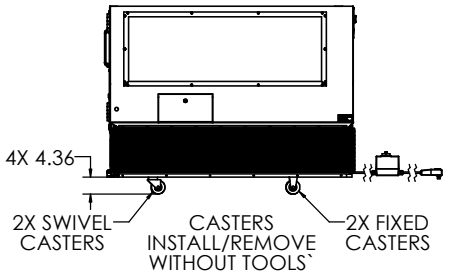
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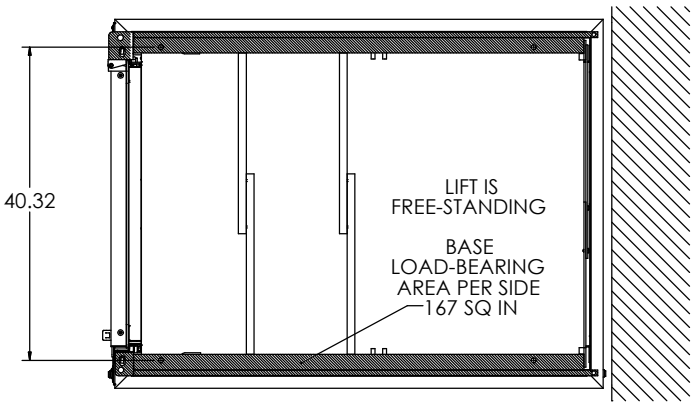



**TOP VIEW**

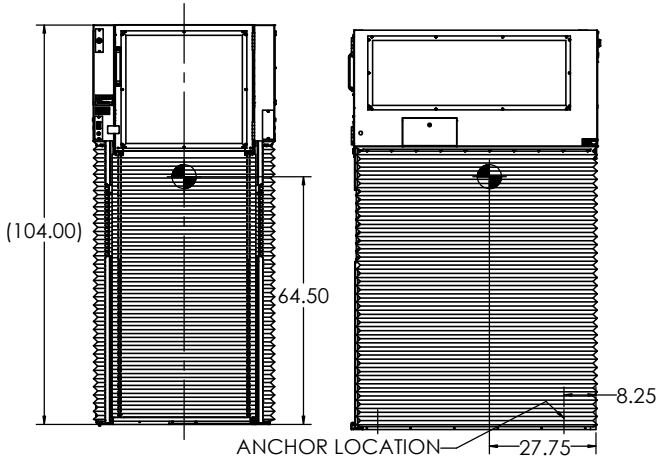
PLATFORM CONTROLS
SCALE 1:2




(LOWER LANDING) **BOTTOM VIEW** (UPPER LANDING)




CENTER OF GRAVITY INCLUDING RATED LOAD, FULLY RAISED
(GENERIC LIFT SHOWN. APPEARANCE MAY VARY)
SCALE 1/16

| SIZE | FSCM NO. | DWG. NO. | REV |
|---|---|---|---|
| D | 08992 | VIRTUOSO 5460P | D |
| SCALE 1/10 | RELEASE DATE | SHEET 2 | |

D SIZE SHT 2+ 11/01

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## CONFIGURATION

| | |
|---|---|
| TOTAL TRAVEL | UP TO 60.00" |
| ENTRY/EXIT CONFIG. | STRAIGHT THROUGH |

| LOWER LANDING | |
|---|---|
| DOOR TYPE | PLATFORM GATE |
| HANDING | LH |
| DOOR OPERATOR | NO |
| CALL STATION TYPE* | FRAME MOUNT |
| CALL STATION KEYED | NO |

| UPPER LANDING | |
|---|---|
| DOOR TYPE | PLATFORM GATE |
| HANDING | RH |
| DOOR OPERATOR | N/A |
| CALL STATION TYPE* | FRAME MOUNT |
| CALL STATION KEYED | NO |

| PLATFORM | |
|---|---|
| KEY SWITCH | NO |
| GRAB BAR | STANDARD |
| SLIP-RESISTANT FLOOR | STANDARD |

| | |
|---|---|
| OUTDOORS | NO |
| AUDIBLE ALARM | STANDARD |
| UNDER-PLATFORM SAFETY SKIRT | STANDARD |
| TILT SWITCH | STANDARD |
| ACCESS PANELS (4X) | STANDARD |
| HAND PUMP | STANDARD |
| FRONT LOWERING VALVE (FLV) | STANDARD |
| ELECTRICAL POWER | 120VAC 60HZ 15A |
| PLUG TYPE | NEMA 5-15 (TYPICAL USA PLUG) |
| EXTERNAL BATTERY BACKUP UNIT (UPS) | NO |
| STANCHION PKG* | NO |
| STAGE GUARD** | NO |
| COMPRESSION/ EXPANSION TOOLKIT | NO |
| LIFT COVER | NO |

*OPTIONAL STANCHION PACKAGE KEEPS OPERATING SWITCHES WITHIN ADA REACH RANGE WHEN TRAVEL EXCEEDS 25 INCHES.

**OPTIONAL STAGE GUARD ENSURES LIFT ALWAYS STANDS AT LEAST 6 INCHES ABOVE UPPER LANDING FOR RISES ABOVE 38 INCHES.

## SPECIFICATIONS

| | |
|---|---|
| DESCRIPTION | VERTICAL PLATFORM WHEELCHAIR LIFT |
| CODE COMPLIANCE | ASME A18.1, ASME A17.5, NFPA 70 (NEC), ANSI A117.1, ADASAD (ADAAG) |
| APPLIED VERSION | ASME A18.1-2023 |
| MODEL | VIRTUOSO 5460P |
| UNIT WEIGHT | 1050 LB |
| RATED LOAD | 750 LB |
| RATED SPEED | 7 FT/MIN |
| DUTY CYCLE S2: | 20 MIN SINGLE RUN |
| PLATFORM SIZE | 36" X 54.25" |
| POWER SUPPLY | 24VDC, 2.5A (60W) |
| CONTROL SYS. | 24VDC |
| MOTOR | 115VAC, 1/2 HP |

| | |
|---|---|
| DRIVING MEANS | DIRECT-PLUNGER HYDRAULIC |
| PLUNGER (2X) | 1.125" SOLID |
| CYL. I.D. | 2.75" MASTER, 2.50" SLAVE |
| CYL. O.D. | 3.13" MASTER, 2.88" SLAVE |
| STROKE (2X) | 40.5" |
| SAFETIES TYPE | NONE (IAW ASME A18.1 §2.8.8) |

| | |
|---|---|
| WORKING PSI | 900 PSI MAX |
| RELIEF PSI | 900 PSI |

| | |
|---|---|
| DOOR LOCK | LOWER: HYDRAULIC |

## CONFIGURATION: FINISHES

| | |
|---|---|
| LIFT COLOR (POWDER COAT) | ☒ BLACK (STANDARD)<br>☐ SILVER<br>☐ CUSTOM:_____ |
| HARDWARE COLOR | ☒ SILVER (STANDARD)<br>☐ BLACK<br>☐ BRASS<br>☐ OIL RUBBED BRONZE |
| WINDOWS | ☒ CLEAR PLEXIGLAS (STANDARD)<br>☐ TINTED PLEXIGLAS (30%)<br>☐ FROSTED PLEXIGLAS<br>☐ POWDER COATED STEEL |
| WINDOW ART | ☒ NONE (STANDARD)<br>☐ CUSTOM LOGO/IMAGE |

## PROVISIONS BY OTHERS

**GENERAL**

**HOISTWAY:** FINISHED VERTICAL LANDING FACE MUST BE SQUARE AND PLUMB WITHIN 1/4" TO ENSURE PROPER LIFT OPERATION. WHERE ANY PERMANENT STRUCTURE IS WITHIN 12" OF EITHER SIDE OF THE LIFT, IT MUST BE DESIGNED AND BUILT IN ACCORDANCE WITH ASME A18.1 AND ALL APPLICABLE STATE AND LOCAL CODES.

**FLOOR:** FLOOR BENEATH UNIT AND DOOR SWINGS MUST BE FLAT AND LEVEL WITHIN 1/8" AND CAPABLE OF SUPPORTING UNIT WEIGHT WITH RATED LOAD. OUTDOORS, DRAINAGE SHALL NOT FLOW THROUGH OR INTO UNIT.

**PIT/RAMP:** UNLESS OTHERWISE SPECIFIED, DO NOT PROVIDE PIT OR RAMP. LIFT DESIGNED WITH LOW-PROFILE PLATFORM FLOOR FOR DIRECT ENTRY.

**OVERHEAD CLEARANCE:** MUST COMPLY WITH ALL APPLICABLE CODES.

**ELECTRICAL**

**POWER:** SINGLE PHASE AC. SEE CONFIGURATION TABLE FOR DETAILS.

**LIGHTING:** 54 LX MIN AT PLATFORM AND LANDINGS.

**EMERGENCY LIGHTING:** 2.2 LX MIN AT PLATFORM AND CONTROLS (4 HOURS MIN).

## TRANSPORTABILITY FEATURES

**REMOVABLE CASTERS:** INCLUDED TO WHEEL LIFT BETWEEN STORAGE AND USE LOCATIONS. STORED IN INTERNAL BRACKETS WHEN LIFT IS SET UP FOR USE.

**COMPRESSIBILITY:** LIFT COMPRESSIBLE TO 33" TO FIT THROUGH DOORWAYS.

| SIZE | FSCM NO. | DWG. NO. | REV |
|---|---|---|---|
| D | 08992 | VIRTUOSO 5460P | D |
| SCALE 1/10 | RELEASE DATE | SHEET 3 | |

D SIZE SHT 2+ 11/01

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| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | LTR. | DESCRIPTION | DATE | APPROVAL |

NOTES UNLESS OTHERWISE SPECIFIED:

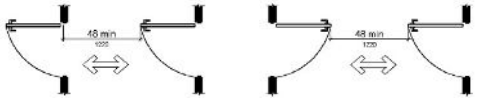
1. THIS DOCUMENT IS INTENDED TO ASSIST IN SITE PLANNING TO ENSURE REQUIRED CLEARANCES FOR LIFT AND REQUIRED ADA ENTRY CLEARANCES ARE PROVIDED.

2. ALL CLEARANCES SHOWN ARE THE **MINIMUM** CLEARANCES REQUIRED. OVERALL DIMENSIONS PROVIDED FOR MOST COMMONLY USED CONFIGURATION.

   NOTE: FOR NON-DIMENSIONED CLEARANCES, THE DIFFERENCE IS PROVIDED IN PARENTHESIS. EX: (+6), (-18), ETC.

3. ONLY ONE OF THE ADA-REQUIRED ENTRY CLEARANCES SHOWN AT EACH LANDING MUST BE PROVIDED. MIRROR ENTRY CLEARANCE FOR OPPOSITE DOOR SWING. ENTRY CLEARANCE ALLOWED TO BE OFFSET UP TO 8" MAXIMUM FROM THE FACE OF THE DOOR (FOR WHEN DOOR IS RECESSED).

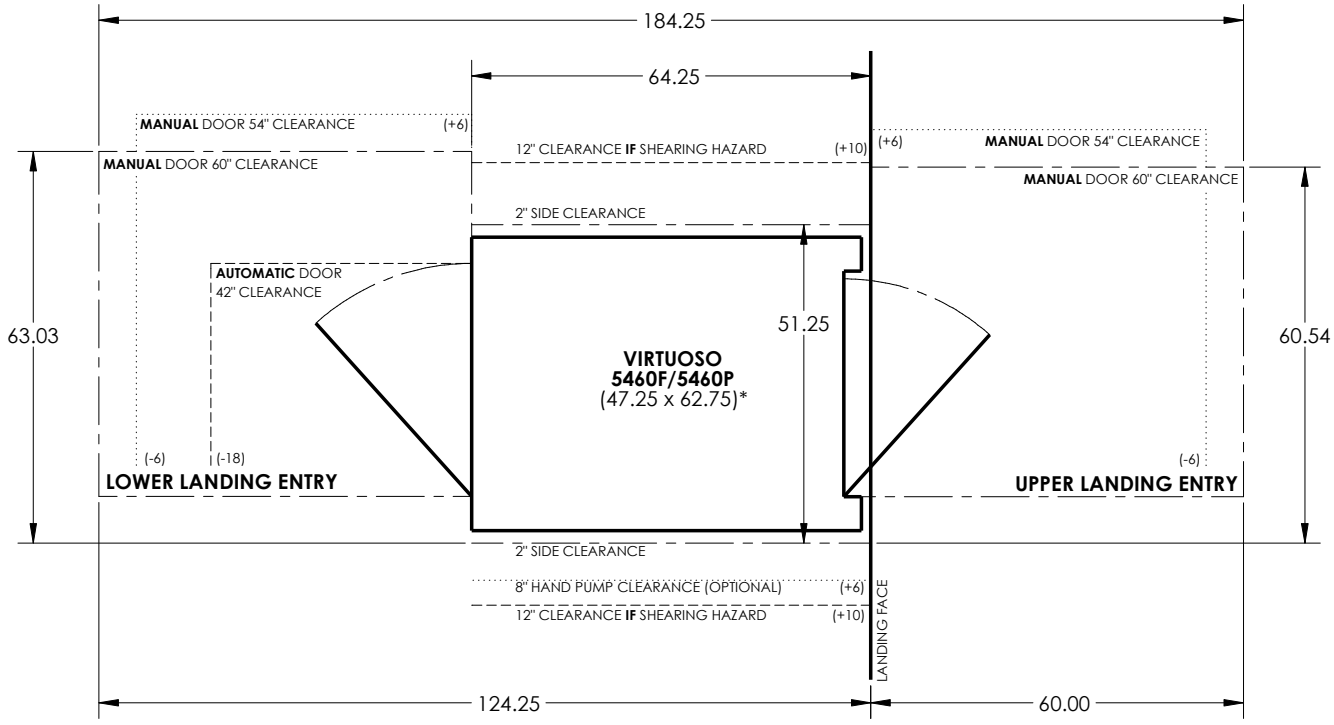
   NOTE: ADDITIONAL CLEARANCE REQUIRED FOR DOORS IN SERIES; CLEARANCE OF 48" REQUIRED BETWEEN OPEN DOORS (SO EACH DOOR MAY BE NAVIGATED INDIVIDUALLY).




4. THE ONLY OBJECTS ALLOWED WITHIN 12" OF THE PLATFORM ARE SMOOTH, UNPERFORATED VERTICAL SURFACES WHICH DO NOT POSE SHEARING/CRUSHING HAZARDS. THIS APPLIES THROUGHOUT ENTIRE REQUIRED VERTICAL CLEARANCE (SEE NEXT NOTE).

5. REQUIRES OVERHEAD CLEARANCE OF 80" ABOVE PLATFORM FLOOR AT UPPER LANDING.

(**GENERIC LIFT SHOWN**. MIRROR GATE SWINGS AND CORRESPONDING DIMENSIONS AS NECESSARY)




*AUTOMATIC DOOR OPERATOR INCREASES OVERALL LIFT WIDTH (AND REQUIRED WIDTH CLEARANCE) BY 1.00"

| | | | | |
|---|---|---|---|---|
| PART DASH NO. | NEXT QTY. REQ'D PER ASSY. | FINAL | NEXT ASSY. APPLICATION | USED ON |

INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS .XX ± N/A .XXX ± N/A
ANGLES ± N/A

DO NOT SCALE DRAWING

FINISH

SIMILAR TO | ACT. WT. | CALC. WT.

CONTRACT NO.

DRAWN S.APPLEBY DATE 10-1-24

CHECK APPROVED By CWillis at 10:50 am, Oct 01, 2024

MANUFACTURING

CUSTOMER

agm **CONTAINER CONTROLS, INC.**
P.O. BOX 40020 - TUCSON, ARIZONA 85717-0020

TITLE **REQUIRED CLEARANCES FOR VIRTUOSO 5460F/5460P**

| SIZE | FSCM NO. | DWG. NO. | REV. |
|---|---|---|---|
| B | 08992 | VIRTUOSO 5460F CLEARANCES | A |

SCALE 1/20 RELEASE DATE SHEET 1 OF 1

B SIZE SHT 1 02/03

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