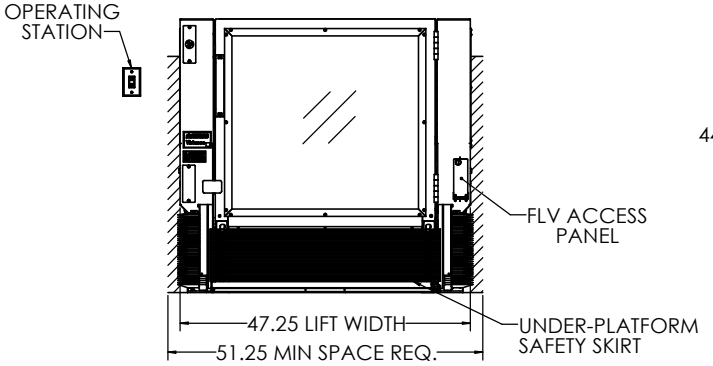
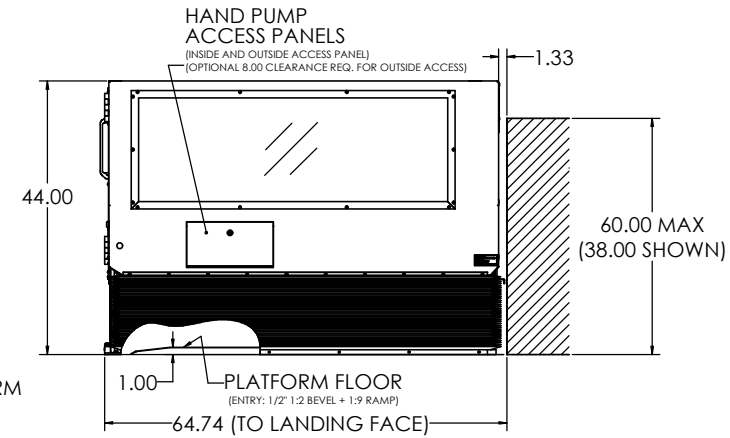
GENERIC DRAWING; CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS

SEE OTHER VIRTUOSO FIXED LIFT MODEL (5460FG) FOR VERSION WITH UPPER LANDING GATE

SEE OPTIONS BROCHURE AND/OR SHEET 3 FOR VARIOUS CONFIGURATION OPTIONS

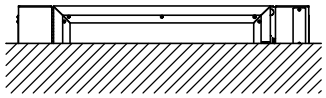


FRONT VIEW
(LOWER LANDING)

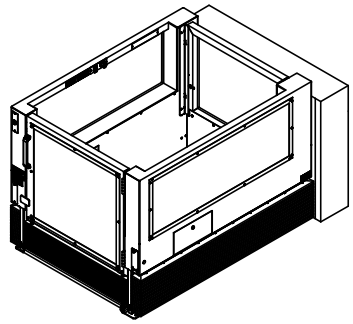


SIDE VIEW





BACK VIEW
(UPPER LANDING)



ASCENSION VIRTUOSO 5460F VERTICAL PLATFORM WHEELCHAIR LIFT FOR PERMANENT LIFT APPLICATIONS

INTENDED FOR APPLICATIONS WHERE RAILING IS NOT PRESENT AT THE UPPER LANDING (PERFORMANCE STAGES, RISES UNDER 30", ETC.)

INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM]
TOLERANCES:
DECIMALS .XX ± .25 .XXX ± .13
ANGLES ± .5°
DO NOT SCALE DRAWING

DRAWN: S.APPLEBY 7/24/2024
CHECK:
APPROVED
By Philip Brobeck at 8:12 am, Jul 29, 2024
MATERIAL:
HEAT TREAT/PLATING:
FINISH:
NEXT ASSY:
CUSTOMER:
DELIVER TO:
PCS WT.:
SHIP WT.:

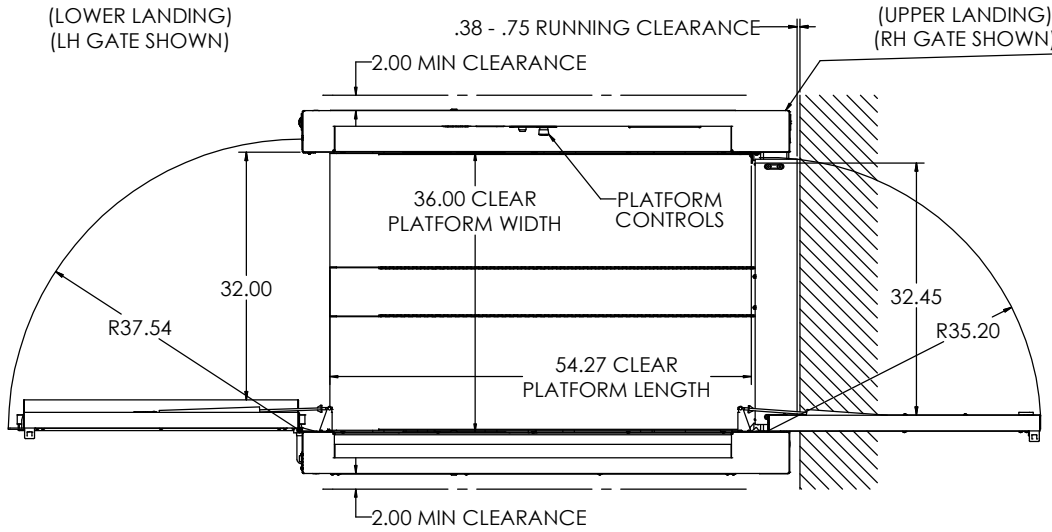
ascension®
P.O. BOX 40020
TUCSON, ARIZONA 85717-0020

TITLE: VIRTUOSO 5460F WITH UPPER PLATFORM GATE

SIZE: D | FSCM NO.: 08992 | DWG NO.: VIRTUOSO 5460F | REV: W
SCALE: 1/10 | RELEASE DATE: | SHEET: 1 OF 3

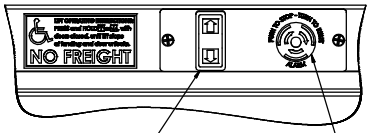
D SIZE SHT 1 02/03

FILE \Solidworks01\Ascension\VIRTUOSO 5460F.SLDDRW



ALL WIRING ENTERS LIFT AT GROUND LEVEL, ROUTED UNDERNEATH SKIRT TO JUNCTION BOX:
-120VAC SUPPLY
(3-CONDUCTOR, BY OTHERS)
-24VDC LOWER WALL MOUNT OPERATING STATION
(3-CONDUCTOR, BY OTHERS)
-24VDC UPPER WALL MOUNT OPERATING STATION
(3-CONDUCTOR, BY OTHERS)

PLATFORM CONTROLS
SCALE 1:2



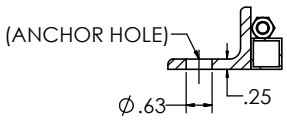
TOP VIEW

LIFT IS FREE-STANDING; ANCHORS UNLOADED DURING NORMAL OPERATION

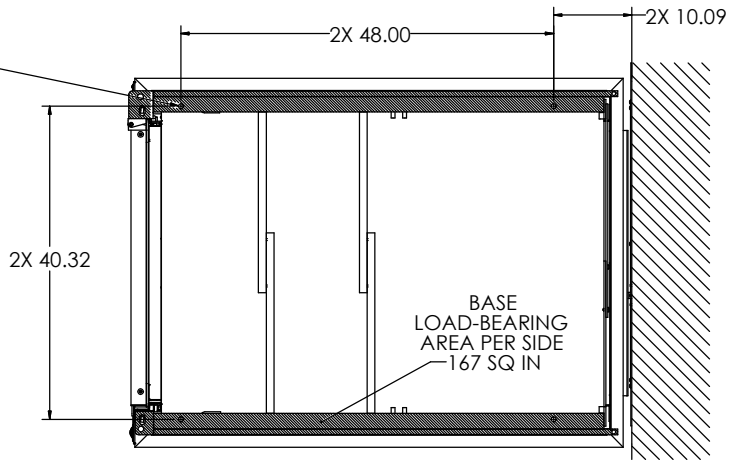
4X∅ .63 ANCHOR HOLE

(4X 1/2-13 X 3.75 CONCRETE STUD ANCHORS PROVIDED)
(EX: MCMASTER-CARR 91578A834 OR 92188A134)

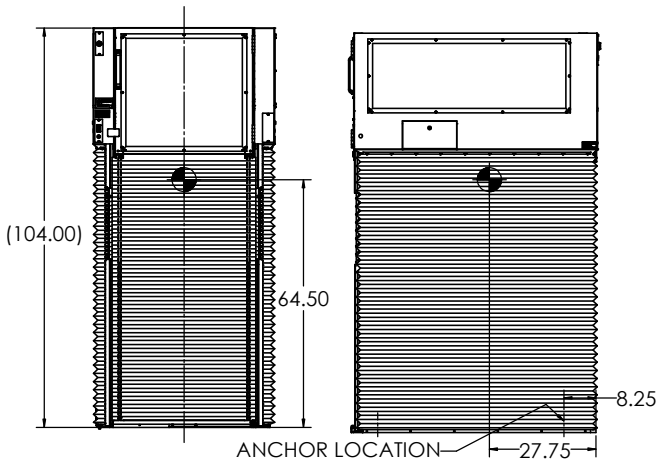
(4X 3/8 X 2.00 LAG SCREWS FOR WOOD PROVIDED)



BASE CROSS SECTION
SCALE 1/1.5



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



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 5460F	W
SCALE 1/10	RELEASE DATE	SHEET 2	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\VIRTUOSO 5460F.SLDDRW

CONFIGURATION

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

LOWER LANDING	
DOOR TYPE	PLATFORM GATE
HANDING	RH/LH
DOOR OPERATOR	YES/NO
CALL STATION TYPE*	WALL/FRAME MOUNT
CALL STATION KEYED	YES/NO

UPPER LANDING	
DOOR TYPE	PLATFORM GATE
HANDING	RH/LH
DOOR OPERATOR	N/A
CALL STATION TYPE**	WALL/FRAME MOUNT
CALL STATION KEYED	YES/NO

PLATFORM	
KEY SWITCH	YES/NO
HANDS-FREE PHONE	YES/NO
AUXILIARY LIGHTING	YES/NO
GRAB BAR	STANDARD
SLIP-RESISTANT FLOOR	STANDARD

OUTDOORS	NO (N/A)
PIT SWITCH	STANDARD
AUDIBLE ALARM	STANDARD
UNDER-PLATFORM SAFETY SKIRT	STANDARD
UNDER-PLATFORM SAFETY PAN	YES/NO
ACCESS PANELS (4X)	STANDARD
HAND PUMP	STANDARD
FRONT LOWERING VALVE (FLV)	STANDARD
EXTERNAL BATTERY BACKUP UNIT (UPS)	YES/NO
STAGE GUARD***	YES/NO

*WALL MOUNT (NOT FRAME MOUNT) REQUIRED IF TRAVEL EXCEEDS 30" OR LOWER DOOR OPERATOR OPTION SELECTED.

**WALL MOUNT (NOT FRAME MOUNT) REQUIRED IF TRAVEL EXCEEDS 25"

***STAGE GUARD REQUIRED IF TRAVEL EXCEEDS 38"

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 5460F
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) ☐ SILVER ☐ CUSTOM:_____
HARDWARE COLOR	☒ SILVER (STANDARD) ☐ BLACK ☐ BRASS ☐ OIL RUBBED BRONZE
WINDOWS	☒ CLEAR PLEXIGLAS (STANDARD) ☐ TINTED PLEXIGLAS (30%) ☐ FROSTED PLEXIGLAS ☐ POWDER COATED STEEL
WINDOW ART	☒ NONE (STANDARD) ☐ 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.

CONSTRUCTION COORDINATION: OWNER/AGENT RESPONSIBLE FOR ALL MASONRY, CARPENTRY, DRYWALL, PATCHING, AND FINISHING WORK NEEDED PRIOR TO AND FOLLOWING LIFT INSTALLATION.

ELECTRICAL

GENERAL: ALL WIRING SHALL COMPLY WITH NFPA 70 (NEC).

POWER: 120VAC, 60HZ, 15A, 1PH CIRCUIT WITH DISCONNECT (SEE BELOW).

MAIN DISCONNECT SWITCH: OTHERS SHALL PROVIDE LOCKABLE FUSED DISCONNECT SWITCH IAW NFPA 70 (SECTION 620.51).

LIGHTING: 54 LX MIN AT PLATFORM AND LANDINGS.

EMERGENCY LIGHTING: 2.2 LX MIN AT PLATFORM AND CONTROLS (4 HOURS MIN) (WHERE NOT PROVIDED BY "AUXILIARY LIGHTING" OPTION).

PHONE: STANDARD PHONE CABLE WITH RJ11 RECEPTACLE CONNECTOR REQUIRED FOR OPTIONAL (ANALOG) HANDS-FREE PHONE, WHERE PROVIDED.

INSTALLATION FEATURES

TRANSPORTABILITY: DISPOSABLE CASTERS INCLUDED TO WHEEL LIFT TO PERMANENT INSTALL LOCATION.

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

SIZE	FSCM NO.	DWG. NO.	REV
D	08992	VIRTUOSO 5460F	W
SCALE 1/10	RELEASE DATE	SHEET 3	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\VIRTUOSO 5460F.SLDDRW

NOTES UNLESS OTHERWISE SPECIFIED:

1. DESCRIPTION: REMOTELY LOCATED CALL STATION FOR ASCENSION VERTICAL PLATFORM WHEELCHAIR LIFT. SUITABLE FOR SURFACE OR FLUSH WALL MOUNT.

2. CHARACTERISTICS:

2.1 COVER PLATE: STANDARD SIZE WALL PLATE (4.5" X 2.75"), BRUSHED STAINLESS STEEL.

2.2 SWITCH: 3 POSITION ROCKER, REQUIRES CONSTANT PRESSURE TO ACTUATE.

2.3 MOUNTING BOX: SURFACE MOUNT SINGLE GANG BOX 2.00" DEEP, OR PREINSTALLED FLUSH MOUNT SINGLE GANG BOX.

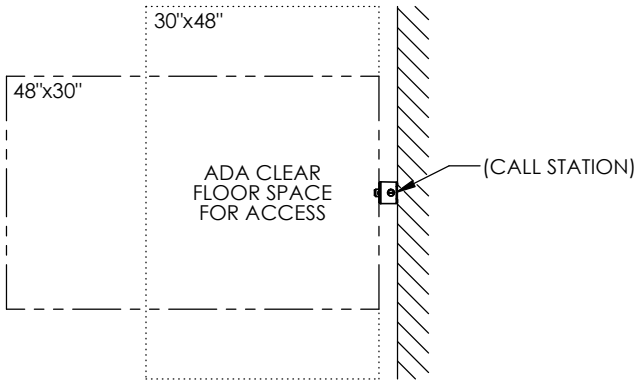
2.4 WEATHER RATING: SUITABLE FOR OUTDOOR USE.

3. ADA REQUIREMENTS:

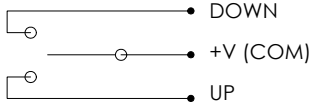
3.1 MOUNT BETWEEN 15" AND 48" ABOVE FLOOR.
IAW ADAAG 308.2 OR 308.3

3.2 PROVIDE 30"x48" OR 48"x30" CLEAR FLOOR SPACE FOR ACCESSING CALL STATION.
IAW ADAAG 309.2 & 305

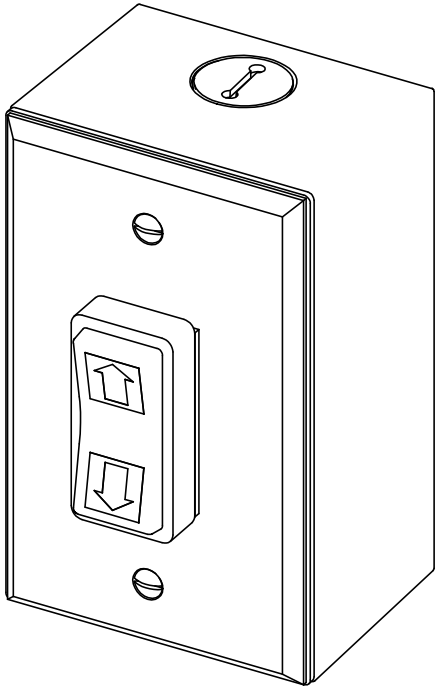
NOTE: CLEAR FLOOR SPACE MUST BE OUTSIDE SWING OF AUTOMATIC DOORS AND GATES.



WIRING:

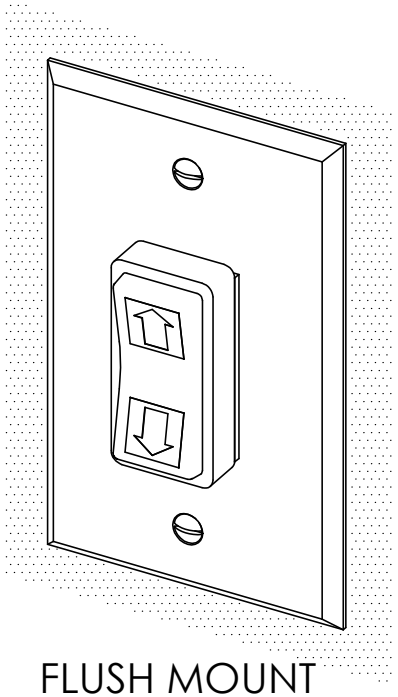


(3) 1/4" QUICK-DISCONNECT TERMINALS (PROVIDED)



SURFACE MOUNT

OR



FLUSH MOUNT

(PLATE COMPATIBLE WITH PREINSTALLED 1-GANG BOX)

REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVAL

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM]
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 12-4-24

CHECK
APPROVED
By CWillis at 10:06 am, Dec 05, 2024

MANUFACTURING

CUSTOMER

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

TITLE
OPERATING STATION (CALL BOX) WALL MOUNTED

SIZE	FSCM NO.	DWG. NO.	REV.
B	08992	115712	E

SCALE 1/1 | RELEASE DATE | SHEET 1 OF 1

B SIZE SHT 1 02/03

FILE \Solidworks01\Ascension\115712_SALES.SLDDRW

REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVAL

NOTES UNLESS OTHERWISE SPECIFIED:

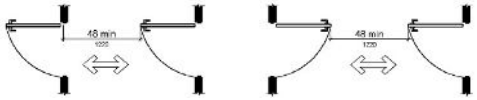
1. THIS DOCUMENT IS INTENDED TO ASSIST IN SITE PLANNING TO ENSURE REQUIRED CLEARANCES FOR LIFT AND REQUIRED ADA ENTRY CLEARANCES ARE PROVIDED.

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).

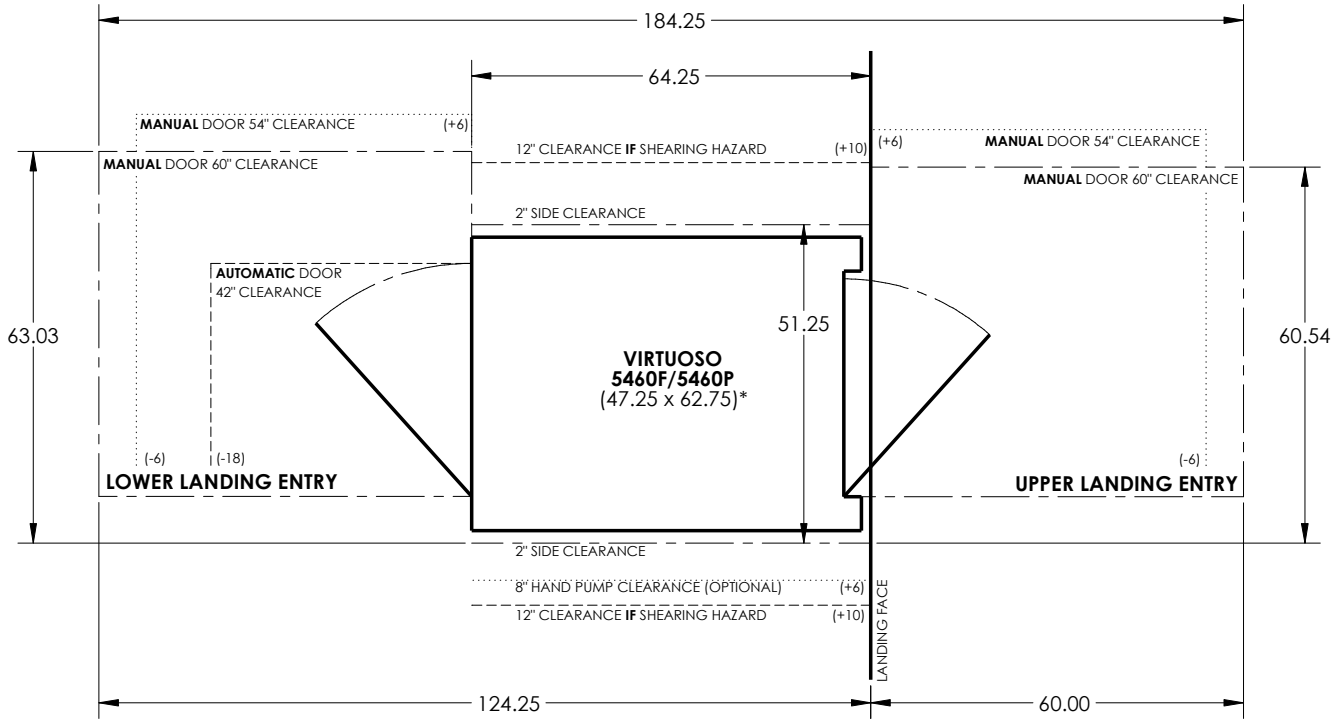
   NOTE: ADDITIONAL CLEARANCE REQUIRED FOR DOORS IN SERIES; CLEARANCE OF 48" REQUIRED BETWEEN OPEN DOORS (SO EACH DOOR MAY BE NAVIGATED INDIVIDUALLY).



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

FILE \Solidworks01\Ascension\VIRTUOSO 5460F CLEARANCES.SLDDRW