GENERIC DRAWING; CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS

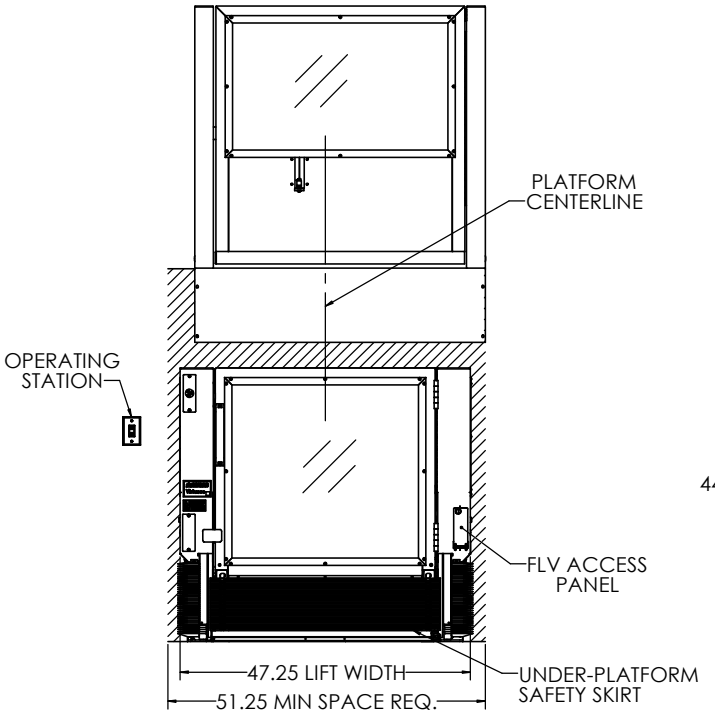
SEE OTHER VIRTUOSO FIXED LIFT MODEL (5460F) FOR VERSION WITHOUT UPPER LANDING GATE

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

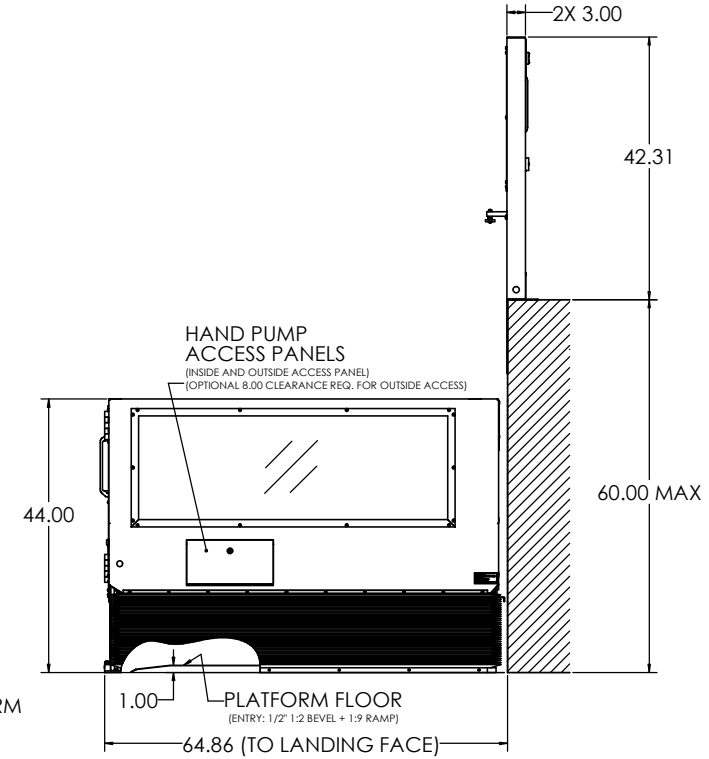
OPERATOR(S)	GATE HANDLES*	OVERALL REQ. WIDTH**
NONE	**SAME SIDE**	**51.63**
NONE	OPPOSITE SIDES	51.63
LOWER LANDING	SAME SIDE	52.06
LOWER LANDING	OPPOSITE SIDES	52.44
UPPER LANDING	SAME SIDE	54.63
UPPER LANDING	OPPOSITE SIDES	54.63
LOWER & UPPER LANDING	SAME SIDE	54.63
LOWER & UPPER LANDING	OPPOSITE SIDES	55.44

*SAME SIDE = ALL HANDLES ON SAME SIDE (LEFT/RIGHT) OF LIFT IN FRONT/TOP VIEW

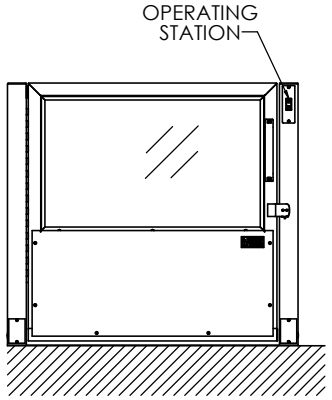
**OVERALL REQ. WIDTH = MINIMUM WIDTH CORRIDOR THAT WOULD FIT THE ENTIRE LIFT ASSEMBLY WITH REQUIRED CLEARANCES. SINCE LIFT AND UPPER LANDING GATE (ULG) ARE STAGGERED, MAY REQUIRE LESS SPACE AT AN INDIVIDUAL LANDING.



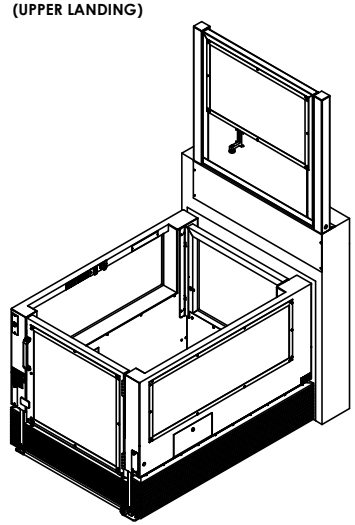
FRONT VIEW
(LOWER LANDING)



SIDE VIEW



BACK VIEW
(UPPER LANDING)



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

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

FINISH

BREAK EDGE

MATERIAL

NEXT ASSY

DRAWN S.APPLEBY DATE 7/24/2024

CHECK

APPROVED By Philip Brobeck at 8:10 am, Jul 29, 2024

DO NOT REACT TUBING

CUSTOMER

DO NOT BEND TO

PCS WT.

ASSY WT.

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

ascension®

TITLE

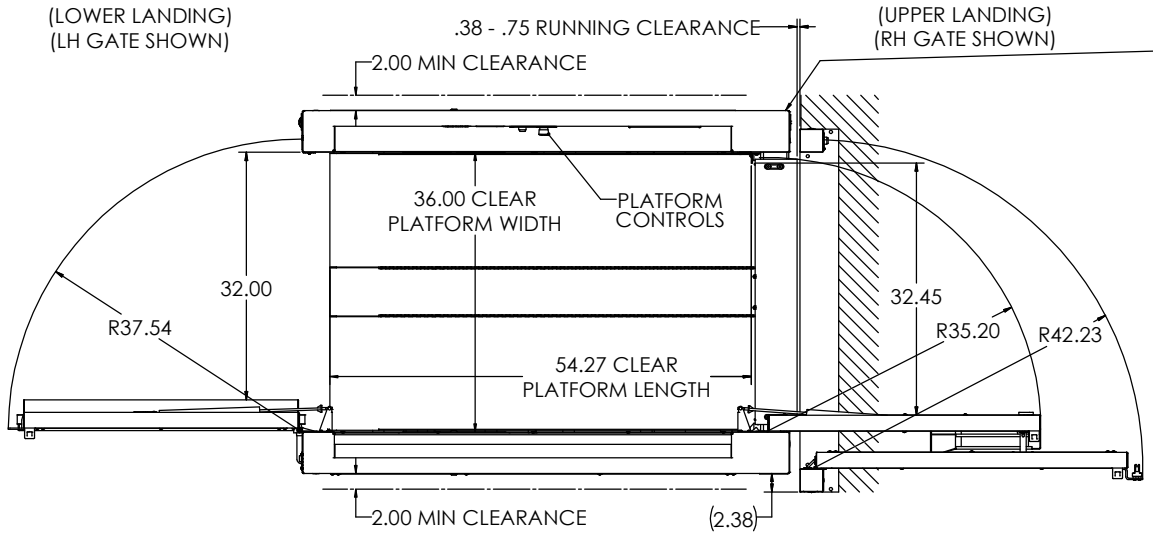
VIRTUOSO 5460FG
WITH UPPER LANDING GATE

SIZE D | FSCM NO. 08992 | DWG. NO. VIRTUOSO 5460FG | REV Q

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

D SIZE SHT 1 02/03

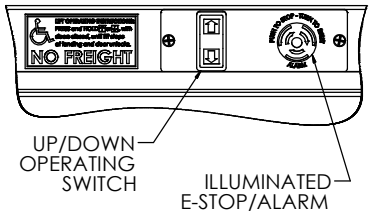
FILE \Solidworks01\Ascension\VIRTUOSO 5460FG.SLDDRW



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 LANDING GATE
(12-CONDUCTOR (MAX), BY OTHERS)

TOP VIEW

PLATFORM CONTROLS
SCALE 1:2

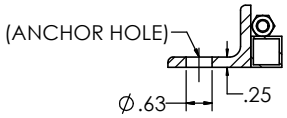


LIFT IS FREE-STANDING; ANCHORS UNLOADED DURING NORMAL OPERATION

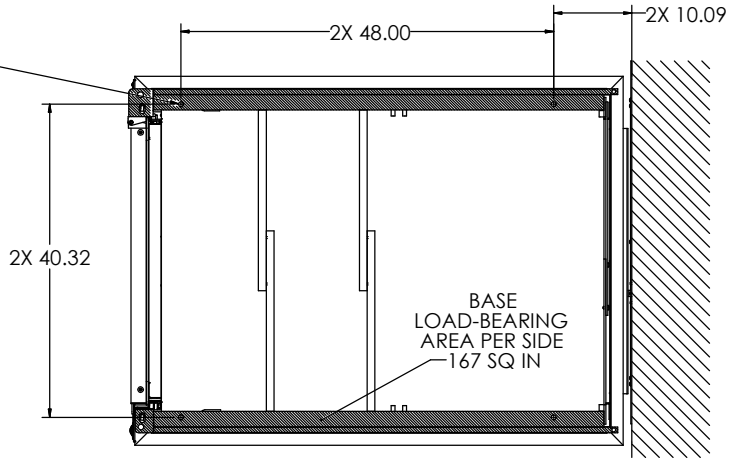
4X∅ .63 ANCHOR HOLE

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

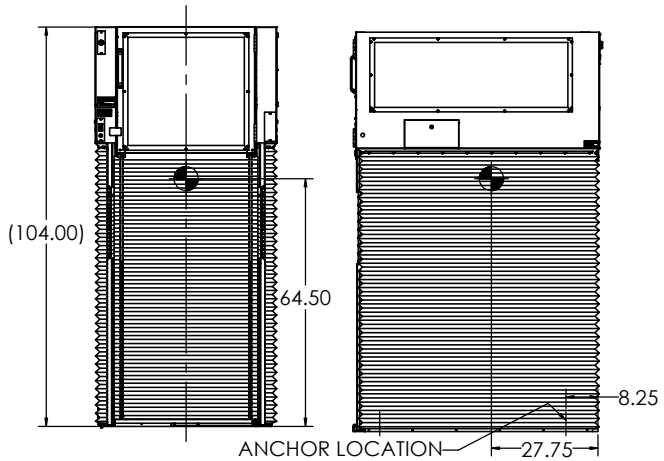
(4X 3/8 X 2.00 LAG SCREWS FOR WOOD PROVIDED)



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 5460FG	Q
SCALE 1/10	RELEASE DATE	SHEET 2	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\VIRTUOSO 5460FG.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	LANDING GATE
HANDING	RH/LH
DOOR OPERATOR	YES/NO
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

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

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 5460FG
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 LOCKS	LOWER: HYDRAULIC UPPER: IDEC HS5L

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 5460FG	Q
SCALE 1/10	RELEASE DATE	SHEET 3	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\VIRTUOSO 5460FG.SLDDRW

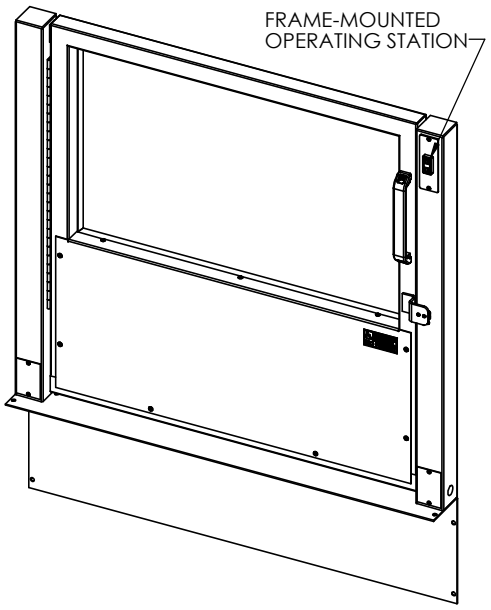
NOTES UNLESS OTHERWISE SPECIFIED:

1. DESCRIPTION: UPPER LANDING GATE (ULG) WITH INTERLOCK.
(STANDARD "RH" HANDING SHOWN. THIS MAY NOT BE THE SAME AS SPECIFIED ON LIFT. MIRROR FOR OPPOSITE "LH" HANDING).

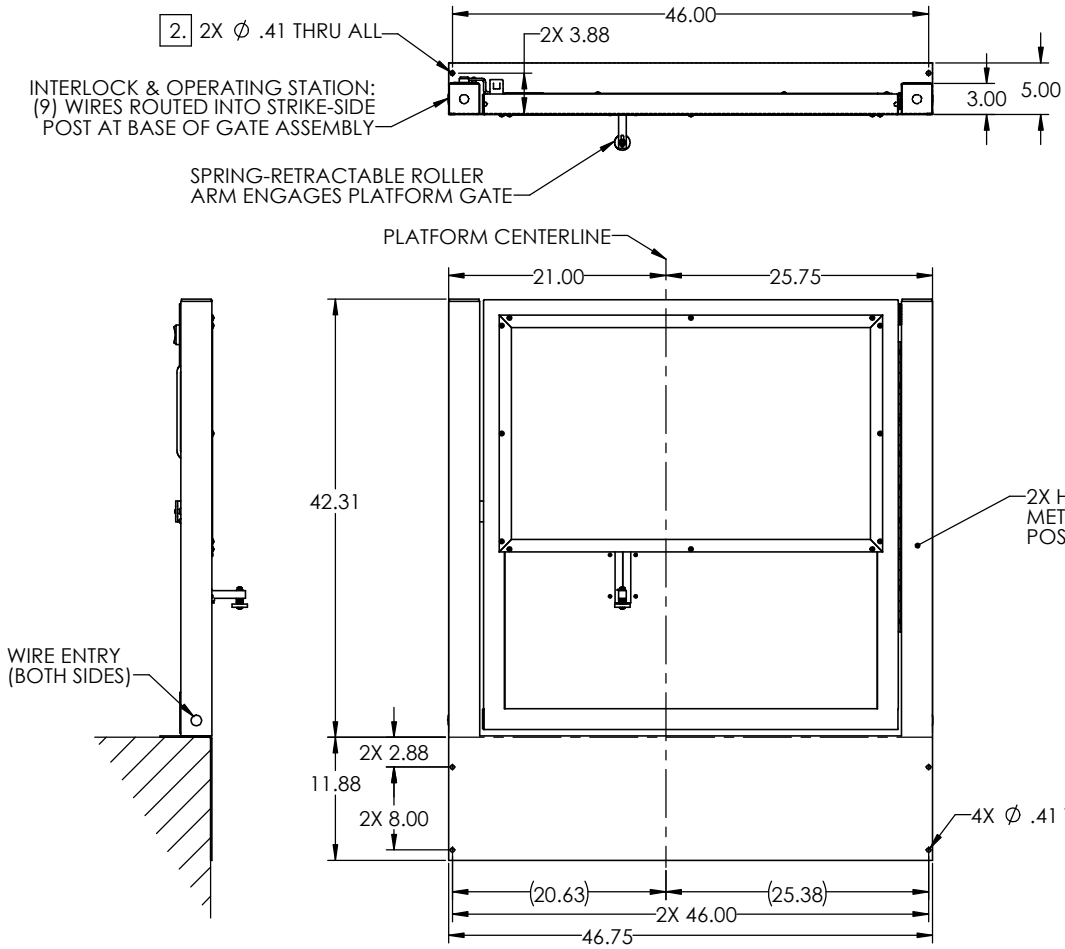
2. GATE FRAME MUST BE ANCHORED TO LANDING SILL USING ANCHOR HOLES SHOWN.
(6X 5/16 X 2.25 FLAT HEAD CONCRETE SCREWS PROVIDED)

3. GATE FRAME MUST BE ATTACHED TO NEARBY WALLS/RAILINGS TO ENSURE FULL STRENGTH AND RIGIDITY.
(2X ANGLE BRACKETS, 16GA, 2 X 2 X 42, PROVIDED)

4. ASSEMBLY INCLUDES:
-FRAME-MOUNTED OPERATING STATION



STANDARD (RH) HANDING SHOWN
(MAY NOT BE SAME AS SPECIFIED ON LIFT)



INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM]
TOLERANCES:
DECIMALS .XX ± .13 .XXX ± .063
ANGLES ± .5°
DO NOT SCALE DRAWING
FINISH
BREAK EDGES
DEBURR TO
MAT'L
NEXT ASSY
QTY.
CONTRACT
DRAWN S.APPLEBY DATE 7-5-24
CHECK
APPROVED
By CWillis at 10:28 am, Jul 08, 2024
MFG APPR
QUALITY APPR
CUSTOMER APPR

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

TITLE
VIRTUOSO UPPER LANDING GATE

SIZE D | FSCM NO. 08992 | DWG. NO. 115850 | REV A
SCALE 1/1 | RELEASE DATE | SHEET 1 OF 1

D SIZE SHT 1 02/03

FILE \Solidworks01\Ascension\115850 SALES DRAWING.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.

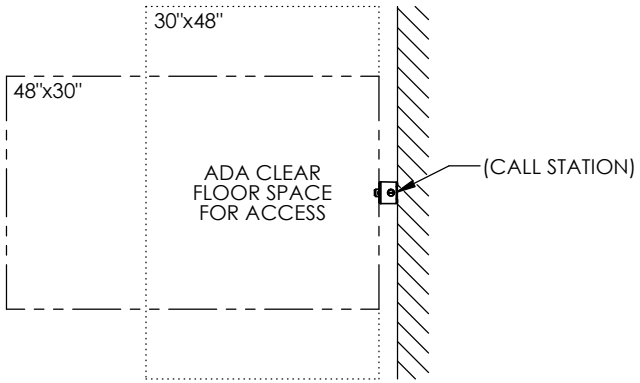
2.4 WEATHER RATING: SUITABLE FOR OUTDOOR USE.

3. ADA REQUIREMENTS:

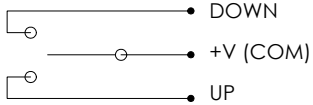
3.1 MOUNT BETWEEN 15" AND 48" ABOVE FLOOR.
IAW ADAAG 308.2 OR 308.3

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

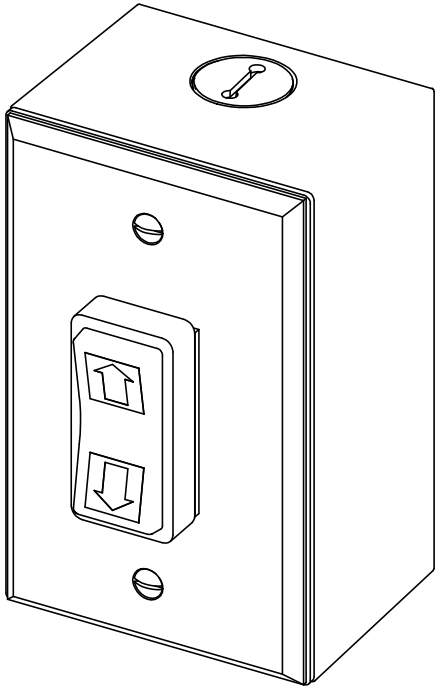
NOTE: CLEAR FLOOR SPACE MUST BE OUTSIDE SWING OF AUTOMATIC DOORS AND GATES.



WIRING:

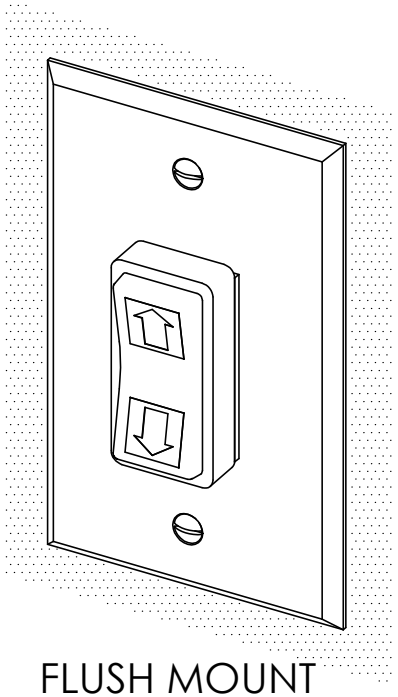


(3) 1/4" QUICK-DISCONNECT TERMINALS (PROVIDED)



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:

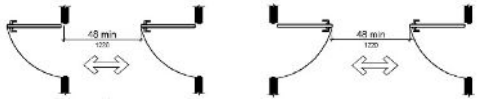
1. THIS DOCUMENT IS INTENDED TO ASSIST IN SITE PLANNING TO ENSURE REQUIRED CLEARANCES FOR LIFT AND REQUIRED ADA ENTRY CLEARANCES ARE PROVIDED.

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 THREE 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).

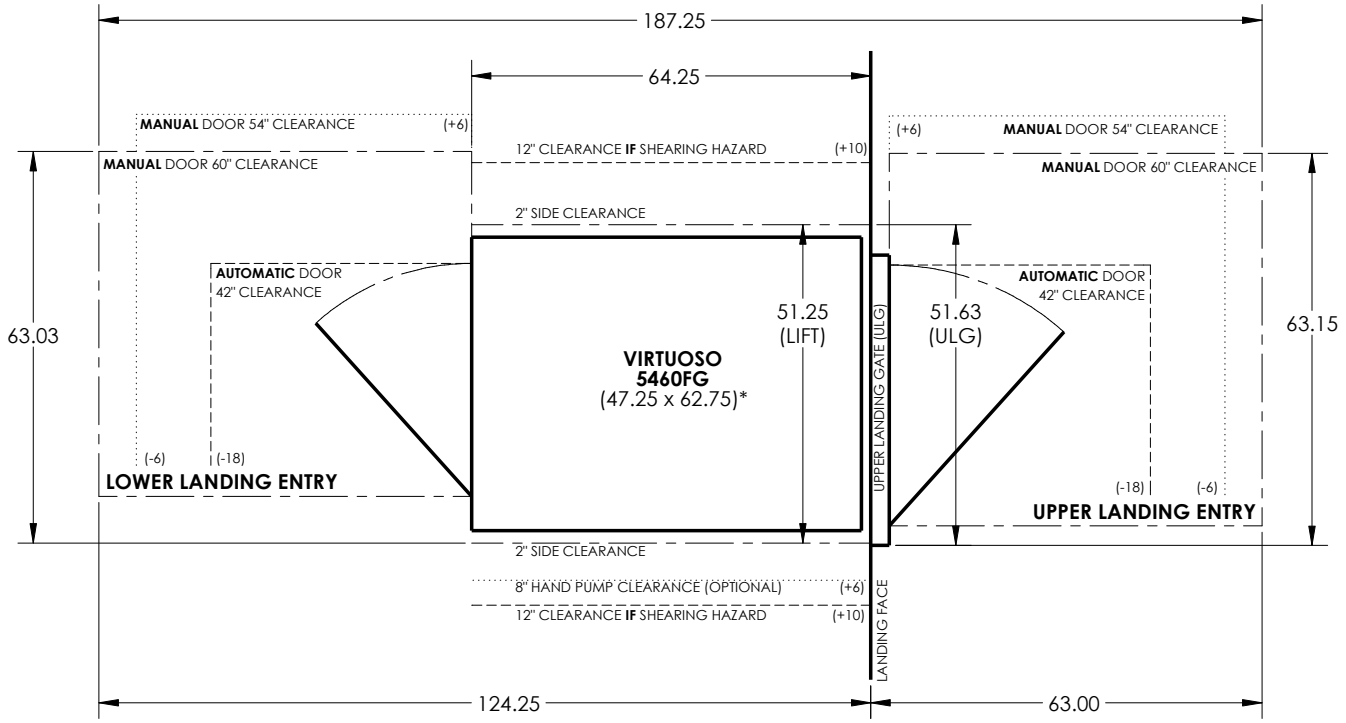
   NOTE: ADDITIONAL CLEARANCE REQUIRED FOR DOORS IN SERIES; CLEARANCE OF 48" REQUIRED BETWEEN OPEN DOORS (SO EACH DOOR MAY BE NAVIGATED INDIVIDUALLY).



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 OPERATORS INCREASE OVERALL LIFT/ULG WIDTH AND, CONSEQUENTLY, INCREASE REQUIRED OVERALL CLEAR WIDTH

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

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
DECIMALS ANGLES
.XX ± N/A ± N/A
.XXX ± 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 10:49 am, Oct 01, 2024

MANUFACTURING

CUSTOMER

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

TITLE **REQUIRED CLEARANCES FOR VIRTUOSO 5460FG**

SIZE	FSCM NO.	DWG. NO.	REV.
B	08992	VIRTUOSO 5460FG CLEARANCES	A

SCALE 1/20 RELEASE DATE SHEET 1 OF 1

B SIZE SHT 1 02/03

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