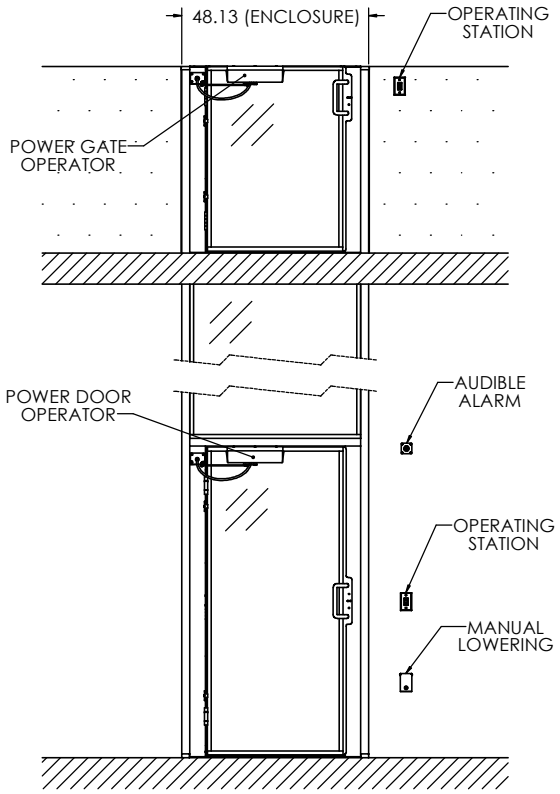
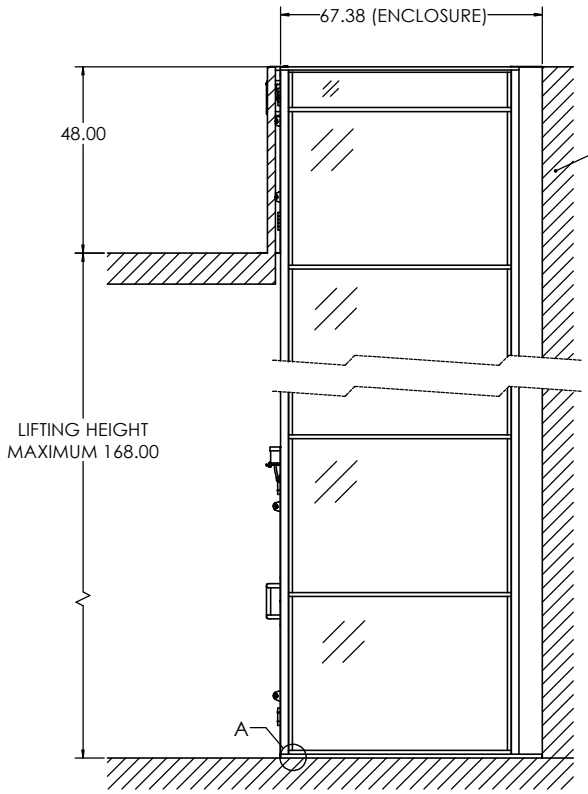
GENERIC DRAWING; CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS

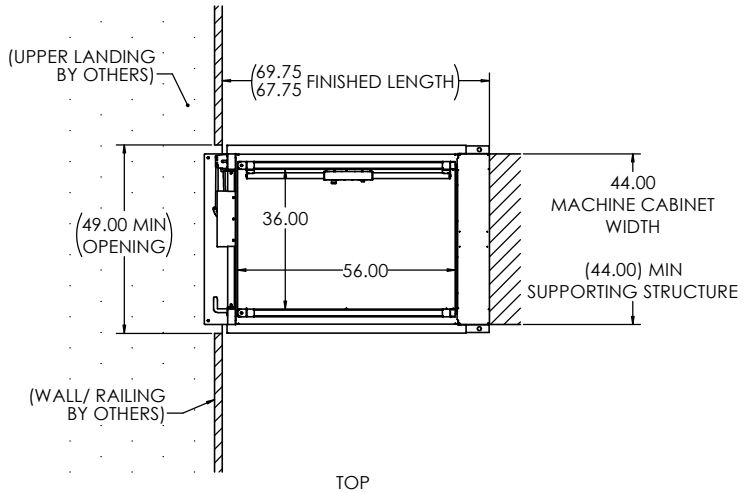
SEE OTHER CLARITY LIFT MODELS (16C, 16E, 16S, ETC.) FOR OTHER ENTRY/EXIT AND ENCLOSED/SHAFTWAY OPTIONS
SEE OPTIONS BROCHURE AND/OR SHEET 3 FOR VARIOUS CONFIGURATION OPTIONS



FRONT



SIDE (TYPICAL)



TOP

ASCENSION CLARITY 16D 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 EDGES
NEXT ASSY
MATERIAL
DRAWN S.APPLEBY DATE 4/21/2025
CHECK
APPROVED By CWillis at 1:45 pm, Apr 21, 2025
HEAT TREAT/PLATING
CUSTOMER
DWG. NO. -
REV D
SIZE D
FSCM NO. 08992
SCALE 1/16
SHEET 1 OF 3
RELEASE DATE

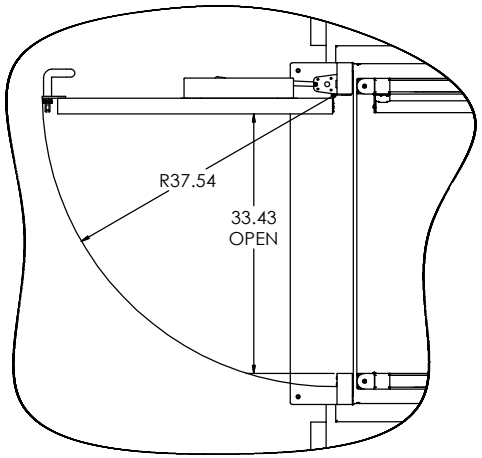
P.O. BOX 40020
TUCSON, ARIZONA 85717-0020
ascension®

TITLE
CLARITY 16D
ENCLOSED, SAME-SIDE

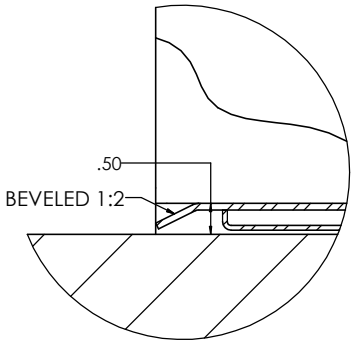
CLARITY 16D

D SIZE SHT 1 02/03

FILE \Solidworks01\Ascension\CLARITY 16D.SLDDRW



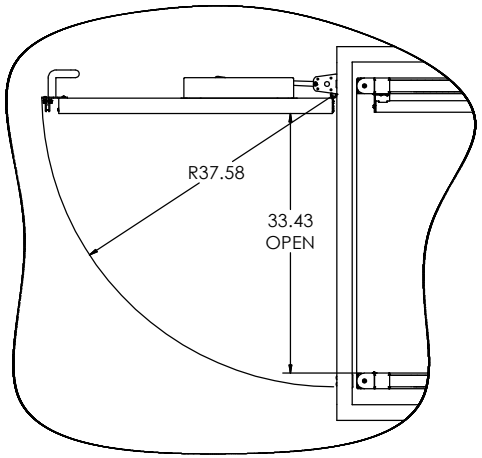
UPPER ENCLOSURE GATE/DOOR
(RH GATE/DOOR SHOWN)



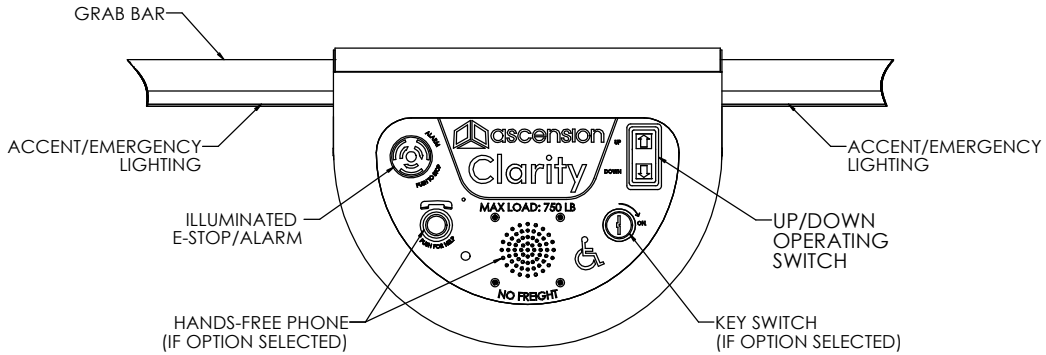
DESIGNED FOR PITLESS INSTALLATION ON TOP OF FINISHED FLOOR.

LOW-PROFILE PLATFORM WITH ENTRY THRESHOLD IAW ADAAG 404.2.5.

DETAIL A
SCALE 1 : 1
PLATFORM FLOOR
(ENCLOSURE HIDDEN)



LOWER ENCLOSURE DOOR
(RH DOOR SHOWN)



PLATFORM CONTROLS
SCALE 1: 2

SIZE	FSCM NO.	DWG. NO.	REV
D	08992	CLARITY 16D	D
SCALE 1/16	RELEASE DATE	SHEET 2	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\CLARITY 16D.SLDDRW

CONFIGURATION

TOTAL TRAVEL	168.00" MAX
ENTRY/EXIT CONFIG.	SAME SIDE
ENCLOSURE PROVIDED	FULL
DOME & VENTILATION	YES/NO

LOWER LANDING	
DOOR TYPE	80" DOOR
HANDING	RH/LH
DOOR OPERATOR	YES
CALL STATION TYPE	WALL/FRAME MOUNT
CALL STATION KEYED	YES/NO

UPPER LANDING	
DOOR TYPE	48" GATE/ 80" DOOR
HANDING	RH/LH
DOOR OPERATOR	YES
CALL STATION TYPE	WALL/FRAME MOUNT
CALL STATION KEYED	YES/NO

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

OUTDOORS	YES/NO
HOLLOW LANDING	YES/NO
W/ UPPER U-BRACE	YES/NO
PIT SWITCH	STANDARD
MANUAL LOWERING	REMOTE WALL MOUNT
AUDIBLE ALARM	REMOTE WALL MOUNT
BATTERY BACKUP	STANDARD

SPECIFICATIONS

DESCRIPTION	ENCLOSED 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	CLARITY 16D
RATED LOAD	750 LB
RATED SPEED	20 FT/MIN
DUTY CYCLE	168 CYCLE-FT/HR (12 CYCLES/HR MINIMUM)
PLATFORM SIZE	36" X 56"
POWER SUPPLY	27VDC, 500W (18.5A)
BATTERIES	12V, 35A-h AGM SLA (2X)
CONTROL SYS.	24VDC
MOTOR	24VDC, 3 HP
DRIVING MEANS	2:1 CHAIN-HYDRAULIC

PLUNGER (2X)	1.25" SOLID
CYL. I.D. (2X)	2.00"
CYL. O.D. (2X)	2.38"
STROKE (2X)	(VARIES)

WORKING PSI	400 PSI
RELIEF PSI	600 PSI (1.5 X WP)

CHAIN TYPE	4X ANSI #50 ROLLER CHAIN
CHAIN STRENGTH	5045 LBF EACH
SAFETIES	2X TYPE A

DOOR LOCKS	IDEC HS5L

CONFIGURATION: FINISHES

LIFT COLOR (POWDER COAT)	☐ SILVER (STANDARD) ☐ BLACK ☐ 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: HOISTWAY MUST BE SQUARE AND PLUMB WITHIN 1/4" TO ENSURE PROPER LIFT OPERATION. WHERE PROVIDED BY OTHERS, ENCLOSURE MUST BE DESIGNED AND BUILT IN ACCORDANCE WITH ASME A18.1 AND ALL APPLICABLE STATE AND LOCAL CODES.

REAR CABINET CLOSURE: VERTICAL SURFACE BEHIND MACHINE CABINET SHALL HAVE STRENGTH AND STIFFNESS EQUIVALENT TO 14GA (.08) SHEET STEEL. (PROVIDED BY ASCENSION IF OPTIONAL HOLLOW LANDING PACKAGE SELECTED).

DIMENSIONS: TOTAL TRAVEL HEIGHT MUST BE WITHIN ±3/8" OF NOMINAL. VERIFY ALL DIMENSIONS AND IMMEDIATELY REPORT ANY DISCREPANCIES.

FLOOR: FLOOR BENEATH UNIT AND DOOR SWINGS MUST BE FLAT AND LEVEL WITHIN 1/8". OUTDOORS, DRAINAGE SHALL NOT FLOW THROUGH OR INTO UNIT.

PIT/RAMP: DO NOT PROVIDE PIT OR RAMP. LIFT DESIGNED WITH LOW-PROFILE PLATFORM FLOOR FOR DIRECT ENTRY IAW ADAAG 404.2.5.

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.

STRUCTURAL: SUPPORTING STRUCTURE SHALL BE DESIGNED AND CONSTRUCTED TO SAFELY SUPPORT APPLIED LOADS IN ACCORDANCE WITH "CLARITY LOADING" DIAGRAM.

ELECTRICAL

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

POWER: 120VAC, 60HZ, 6A, 1PH CIRCUIT WITH DISCONNECT (SEE BELOW).

CONCEALED REAR ACCESS: CLEAR SPACE 7.25" X 7.50" (W x H) BEHIND LIFT AVAILABLE FOR WIRE ENTRY. SPACE CENTERED 10.88" RIGHT OF LIFT CENTERLINE AND NOMINALLY 6.88" ABOVE LOWER LANDING FLOOR.

SIDE ACCESS: TWO 1/2-14 NPSM THREADED HOLES ARE PROVIDED ON BOTH SIDES OF THE MACHINE CABINET. HOLES ARE NOMINALLY 2.25" AND 3.50" ABOVE LOWER FLOOR AND 1.00" FROM REAR VERTICAL WALL.

MAIN DISCONNECT SWITCH: OTHERS SHALL PROVIDE LOCKABLE FUSED DISCONNECT SWITCH IAW NFPA 70. SWITCH TO INCLUDE ADDITIONAL POLE OR CONTACT FOR DISCONNECTION OF CONTROLLER FROM 24V BACKUP SUPPLY.

LIGHTING: 54 LX MIN. AT PLATFORM AND LANDINGS.

ADDITIONAL AC CONNECTIONS: ADDITIONAL AC CONNECTIONS REQUIRED FOR:

VENTILATION SYSTEM (IF EQUIPPED), 120VAC 1.3A 60HZ 1PH.

DOOR OPERATOR(S) (IF BY OTHERS), POWER REQ. PER MANUFACTURER

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

SIZE	FSCM NO.	DWG. NO.	REV
D	08992	CLARITY 16D	D
SCALE 1/16	RELEASE DATE	SHEET 3	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\CLARITY 16D.SLDDRW

CLARITY LOADING - SAME SIDE ENTRY & EXIT (16C,16D)

(GENERIC APPLICATION DEPICTED; ENCLOSURE NOT SHOWN)

MACHINE CABINET ANCHORS					
ANCHORING REQUIREMENT	**ANCHOR LOCATION* (±.38) [IN]**	**MAX LOAD** PER ANCHOR [LBF]**	**# OF ANCHORS**	**TYPE (NEXT SHEETS)**	**APPLICABILITY**
ANCHOR AT ONE OF THESE LOCATIONS. OTHERS OPTIONAL†	193.50	227	2	C	TRAVEL > 148"
	169.50				TRAVEL > 124"
	145.50				TRAVEL > 100"
	121.50				ALL LIFTS
	BELOW SILL	100	8	G	16D HL PKG WITH U-BRACE ONLY
OPTIONAL†	97.50	227	2	C	ALL LIFTS
	73.50				
	49.50				
	25.50				
ANCHOR AT ONE OF THESE LOCATIONS	6.00	227	2	C	NO HL PKG
	LOWER F.F.	327	2	D	HL PKG ONLY
ENCLOSURE ANCHORS (16D MODEL ONLY)					
REQUIRED IF PRESENT	UPPER F.F.	100	2	E	16D ONLY
REQUIRED IF PRESENT	LOWER F.F.	100	2	F	16D ONLY

* ACTUAL LOCATIONS OF WALL ANCHORS MAY VARY AS MUCH AS ±3/8" FROM VALUES GIVEN ABOVE. MOUNTING STRUCTURE MUST BE ABLE TO ACCOMODATE THIS VARIABILITY.

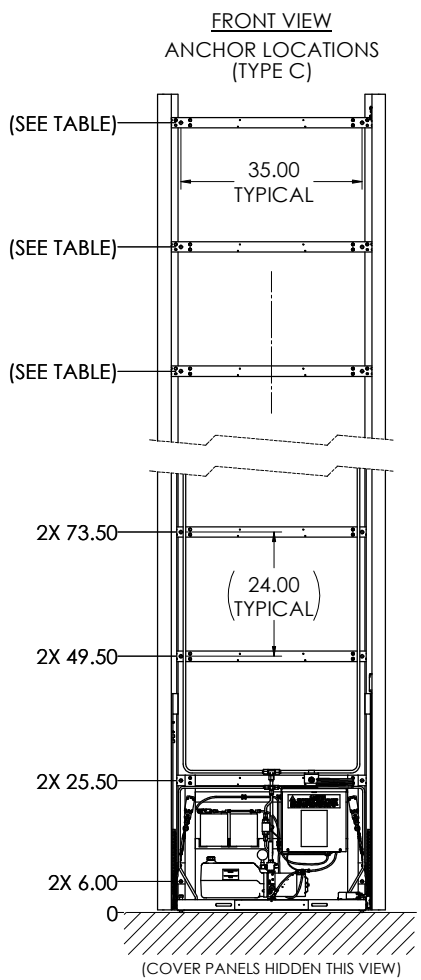
** LOADS LISTED ASSUME STATIC LOADING AND DO NOT INCLUDE WIND, SEISMIC, OR SAFETY FACTOR.

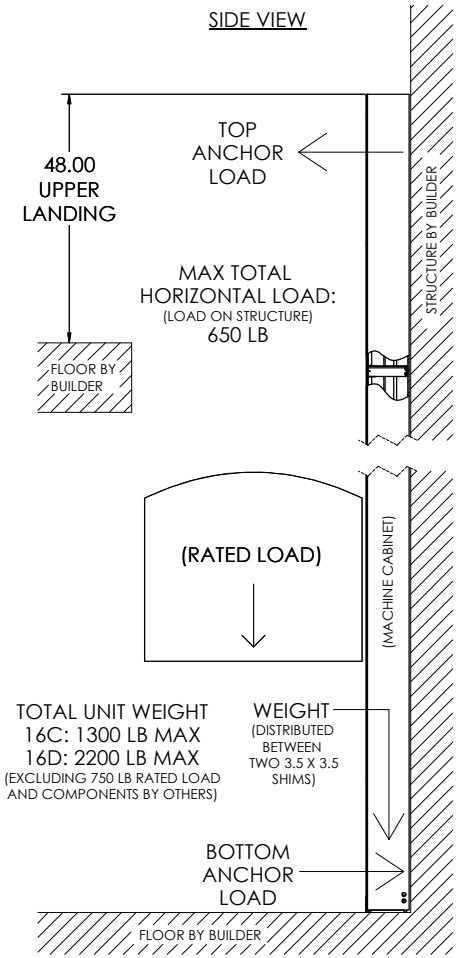
† USE OF OPTIONAL ANCHORS RECOMMENDED FOR MAXIMUM RIGIDITY.

ADDITIONAL NOTES:

1. ANCHORS PROVIDED BY ASCENSION FOR COMMON MOUNTING APPLICATIONS. PROJECT STRUCTURAL ENGINEER RESPONSIBLE FOR EVALUATING SITE-SPECIFIC STRUCTURAL CONSIDERATIONS AND FINAL ANCHOR SELECTION.

STAINLESS-STEEL CONCRETE ANCHORS PROVIDED FOR OUTDOOR APPLICATIONS.





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
BREAK EDGE TURNING
DRAWN C.WILLIS DATE 7-21-26
CHECK
APPROVED By SAppleby at 12:06 pm, Jul 21, 2026
CONTRACT
CUSTOMER
SCALE TO
NET WT.
CALC. WT.

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

TITLE
CLARITY LOADING SAME SIDE

SIZE D | FSCM NO. 08992 | DWG. NO. CLARITY LOADING SS | REV C

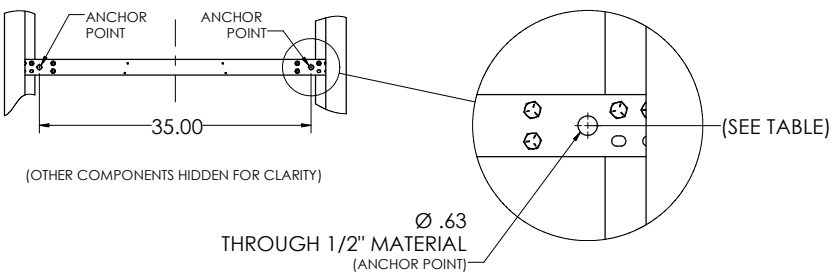
SCALE 1/16 | RELEASE DATE | SHEET 1 OF 3

D SIZE SHT 1 02/03

FILE \Solidworks01\Ascension\CLARITY LOADING SS.SLDDRW

ANCHOR LOCATION TYPE: C

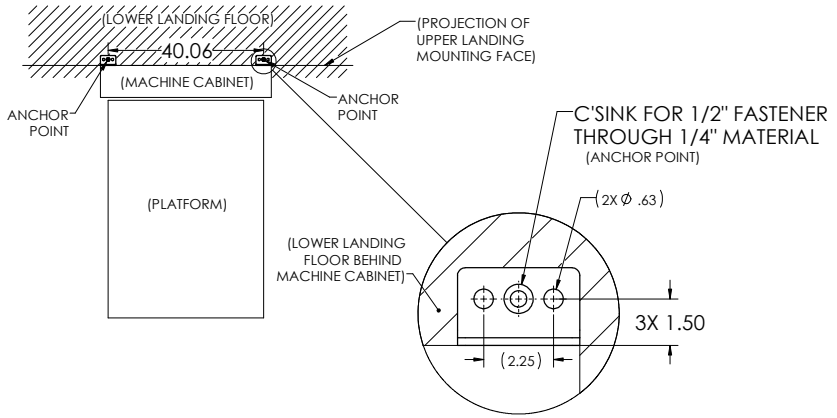
ANCHORS PROVIDED - FOR CONCRETE OR WOOD STRUCTURES:
2X (EACH) 1/2" X 4" CONCRETE ANCHORS
(EX: SIMPSON STRONG-TIE P/N THD50400H, THD50400H6SS, OR THD50400H4SS)
2X (EACH) 1/2" X 4" LAG SCREWS FOR WOOD (INDOOR ONLY)



ANCHOR LOCATION TYPE: D

(HOLLOW LANDING PACKAGE [HL PKG] ONLY)

ANCHORS PROVIDED - FOR NORMAL-WEIGHT CONCRETE FLOOR ONLY:
2X 1/2" X 2" DROP-IN CONCRETE ANCHORS, 1/2-13 INTERNAL THREAD
(EX: SIMPSON STRONG-TIE P/N DIAB50, DIA506SS, OR DIA50SS)
2X 1/2-13 X 1" FLAT HEAD SCREWS

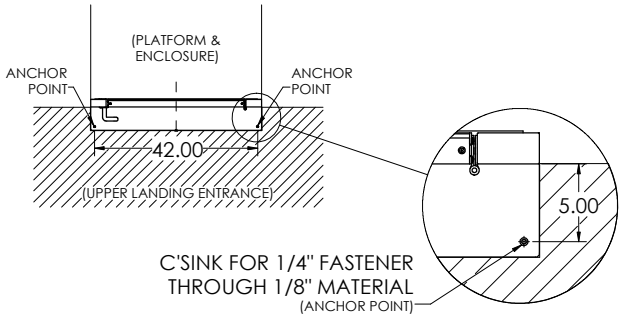


ANCHOR LOCATION TYPE: E

(CLARITY 16D ONLY)

ANCHORS PROVIDED - FOR CONCRETE OR WOOD LANDINGS:
2X 1/4" X 2.25" FLAT HEAD CONCRETE ANCHORS
(EX: SIMPSON STRONG-TIE P/N TTN25214PFSS)

2X 1/4-20 THREADED INSERTS FOR WOOD (INDOOR ONLY)
2X 1/4-20 FLAT HEAD SCREWS



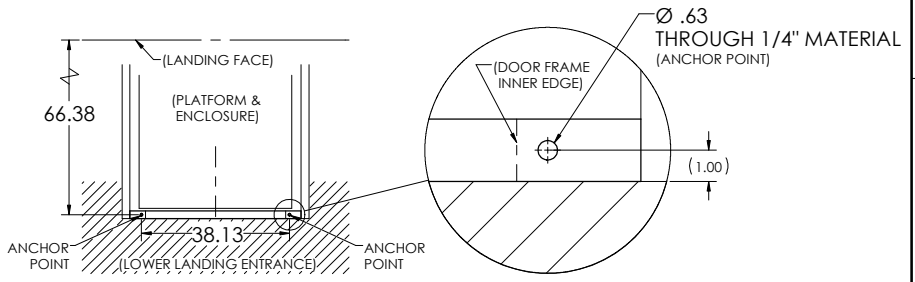
(POWER GATE OPERATOR & OTHER COMPONENTS HIDDEN FOR CLARITY)

ANCHOR LOCATION TYPE: F

(CLARITY 16D ONLY)

ANCHORS PROVIDED - FOR CONCRETE OR WOOD FLOOR:
2X 1/2" X 2" DROP-IN CONCRETE ANCHORS, 1/2-13 INTERNAL THREAD
(EX: SIMPSON STRONG-TIE P/N DIAB50, DIA506SS, OR DIA50SS)
2X 1/2-13 X 1" SCREWS

2X 1/2" X 4" LAG SCREWS FOR WOOD (INDOOR ONLY)



SIZE	FSCM NO.	DWG. NO.	REV
D	08992	CLARITY LOADING SS	C
SCALE 1/16	RELEASE DATE	SHEET 2	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\CLARITY LOADING SS.SLDDRW

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

ANCHOR LOCATION TYPE: G

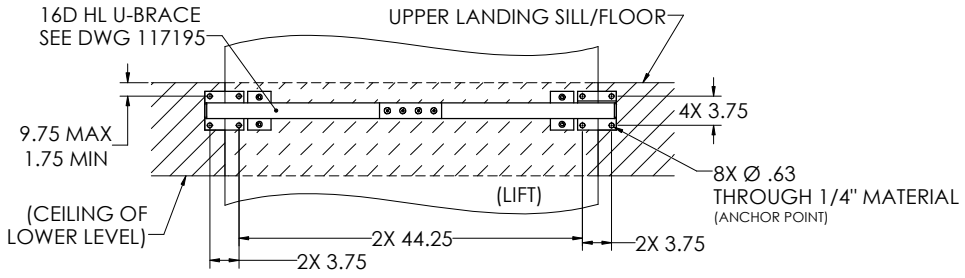
(16D HOLLOW LANDING PACKAGE [HL PKG] WITH U-BRACE ONLY)

ANCHORS PROVIDED - FOR STEEL, CONCRETE, OR WOOD STRUCTURES:

8X 1/2" X 4" CONCRETE ANCHORS
(EX: SIMPSON STRONG-TIE P/N THD50400H, THD50400H6SS, OR THD50400H4SS)

8X 1/2" X 4" LAG SCREWS FOR WOOD (INDOOR ONLY)

8X 1/2"-13 X 3" BOLTS WITH NUTS & WASHERS

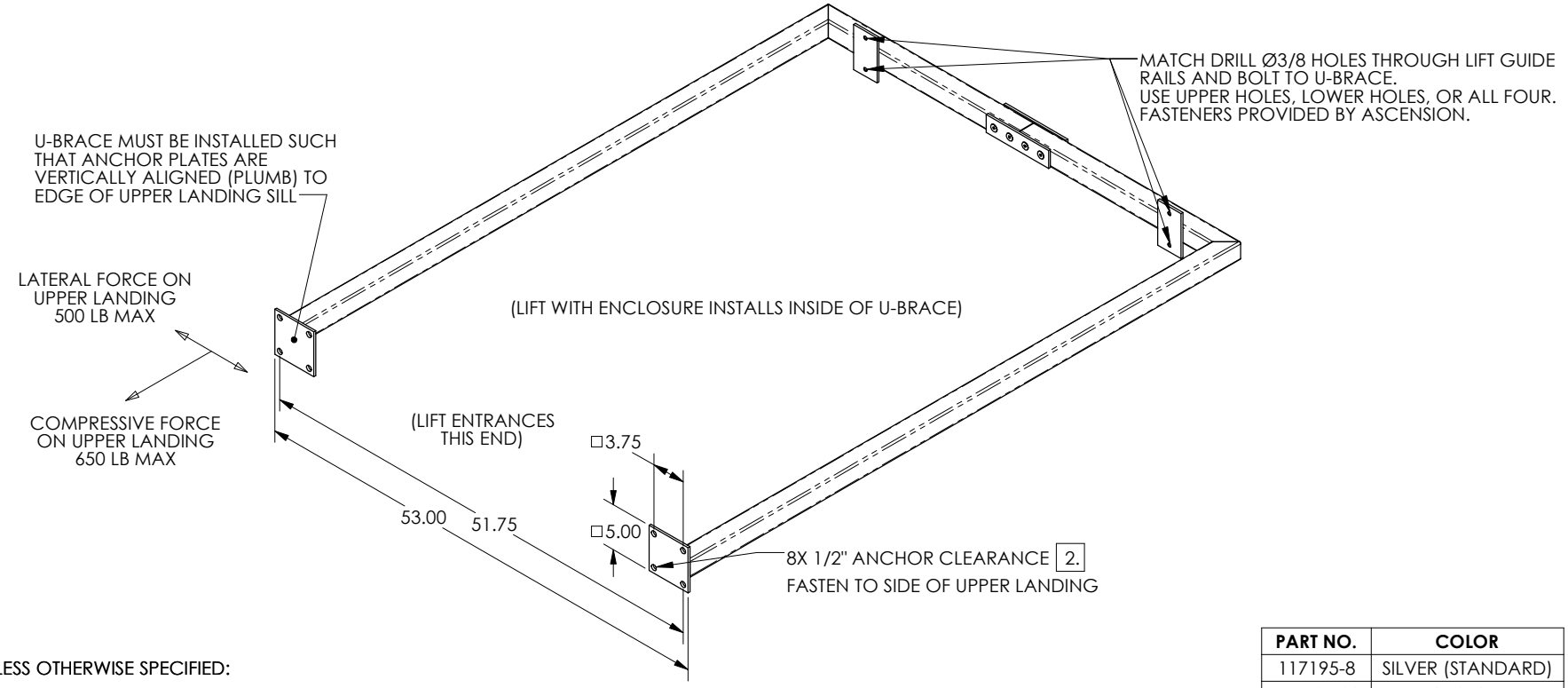


SIZE	FSCM NO.	DWG. NO.	REV
D	08992	CLARITY LOADING SS	C
SCALE 1/16	RELEASE DATE	SHEET 3	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\CLARITY LOADING SS.SLDDRW

REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVAL



PART NO.	COLOR
117195-8	SILVER (STANDARD)
117195-99	CUSTOM

NOTES UNLESS OTHERWISE SPECIFIED:

1. THIS ITEM CONNECTS THE ANCHOR POINTS AT THE REAR OF THE CLARITY 16D MACHINE CABINET TO THE SIDE OF THE UPPER LANDING AT THE FRONT OF THE LIFT.

2. ANCHOR OPTIONS PROVIDED BY ASCENSION:
   1/2-13 X 3.00" HEX BOLTS WITH NUTS & WASHERS
   Ø1/2 X 4.00" LAG SCREWS
   Ø1/2 X 4.00" CONCRETE SCREWS

3. MATERIAL: POWDER COATED STEEL.
   WEIGHT: 55 LB.

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM]
TOLERANCES:
DECIMALS .XX ± .25 .XXX ± .125
ANGLES ± .5°

DO NOT SCALE DRAWING

FINISH

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

CONTRACT NO.

DRAWN P.BROBECK DATE 10-24-24

CHECK

APPROVED
By SAppleby at 2:40 pm, Oct 24, 2024

MANUFACTURING

CUSTOMER

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

TITLE
HOLLOW LANDING PKG U-BRACE FOR CLARITY 16D UPPER ANCHORAGE

SIZE	FSCM NO.	DWG. NO.	REV.
B	08992	117195	-

SCALE 1/10 RELEASE DATE SHEET 1 OF 1

B SIZE SHT 1 02/03

FILE \Solidworks01\Ascension\117195_SALES.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.

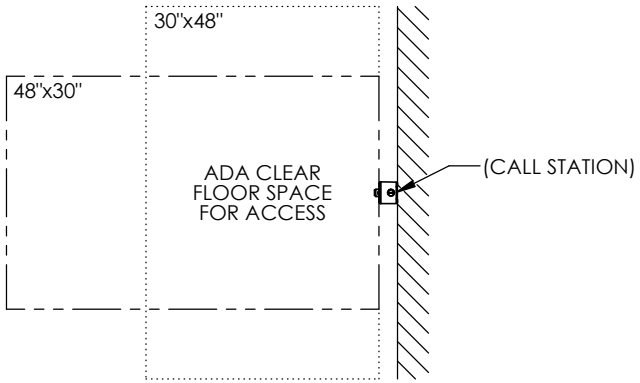
2.4 WEATHER RATING: SUITABLE FOR OUTDOOR USE.

3. ADA REQUIREMENTS:

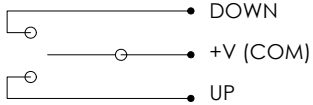
3.1 MOUNT BETWEEN 15" AND 48" ABOVE FLOOR.
IAW ADAAG 308.2 OR 308.3

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

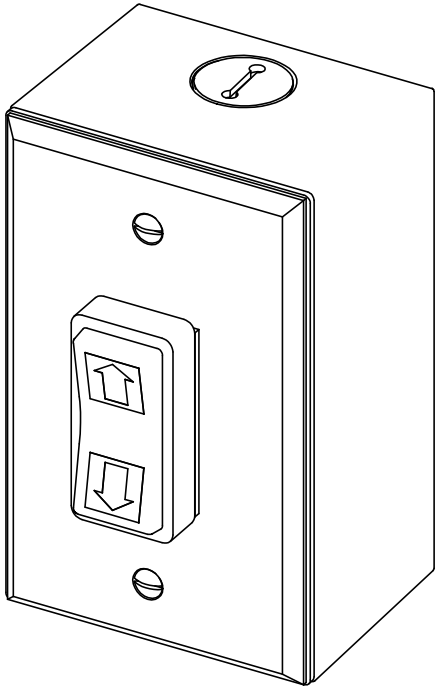
NOTE: CLEAR FLOOR SPACE MUST BE OUTSIDE SWING OF AUTOMATIC DOORS AND GATES.



WIRING:

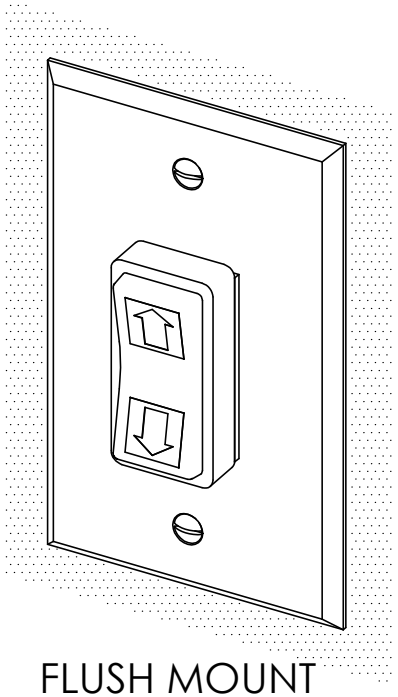


(3) 1/4" QUICK-DISCONNECT TERMINALS (PROVIDED)



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. DESCRIPTION: REMOTELY LOCATED MANUAL LOWERING STATION FOR ASCENSION VERTICAL PLATFORM WHEELCHAIR LIFTS.

2. CHARACTERISTICS:

2.1 KEYED ACCESS TO MANUAL LOWERING PULL HANDLE LOCATED BEHIND LOCKED COVER.

2.2 160" LONG BICYCLE BRAKE CABLE RUNNING FROM BACK OF BOX TO BE CONNECTED TO LOWERING VALVE ON LIFT POWER UNIT.

2.3 THREE (3) SEPARTE PAIRS OF MOUNTING HOLES AVAILABLE FOR MOUNTING REMOTE LOWERING BOX TO WALL.

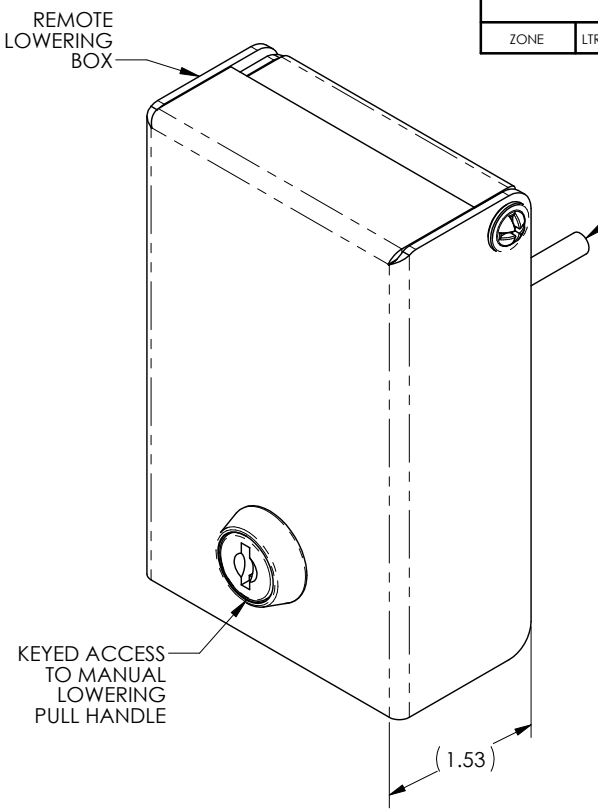
3. SITE CONSIDERATIONS:

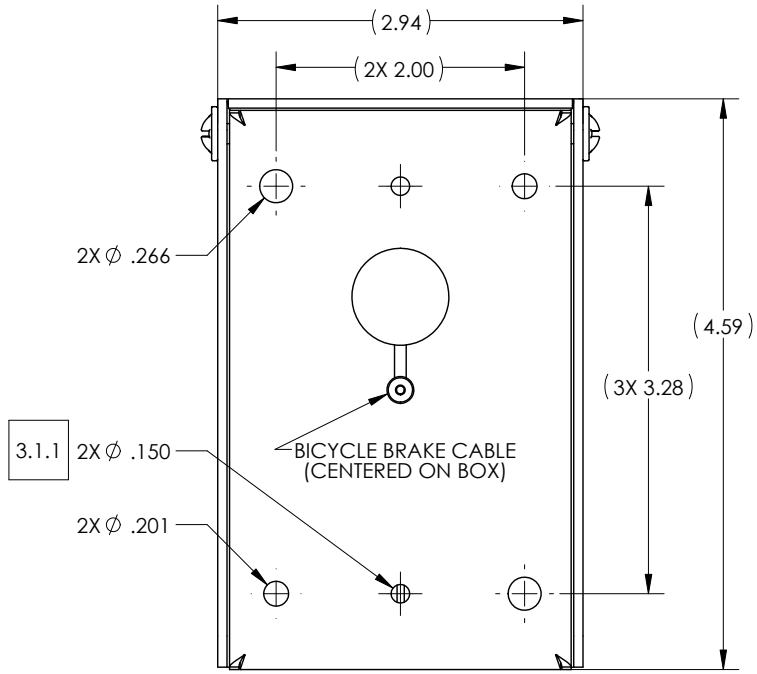
3.1 PROVIDE MEANS FOR MOUNTING REMOTE MANUAL LOWERING BOX TO WALL.

3.1.1 THE .150" DIAMETER HOLES ARE LOCATED FOR FASTENING TO FRONT OF STANDARD RECESSED SINGLE GANG WALL BOX

3.2 PROVIDE MEANS TO ROUTE BICYCLE BRAKE CABLE FROM BACK OF REMOTE MANUAL LOWERING BOX TO LOWERING VALVE ON POWER UNIT

3.3 ENSURE ANY BENDS IN BICYCLE BRAKE CABLE HAVE AT LEAST A 2.00" RADIUS.





MOUNTING HOLES (BACK VIEW)

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

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

FINISH

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

CONTRACT NO.

DRAWN S.APPLEBY DATE 8-12-19

CHECK

APPROVED
By Philip Brobeck at 12:15 pm, Aug 13, 2019

MANUFACTURING

CUSTOMER

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

TITLE **REMOTE MANUAL LOWERING STATION WALL MOUNTED**

SIZE	FSCM NO.	DWG. NO.	REV.
B	08992	117580	-

SCALE 1/1 RELEASE DATE SHEET 1 OF 1

B SIZE SHT 1 02/03

FILE \Solidworks01\117580_SALES.SLDDRW