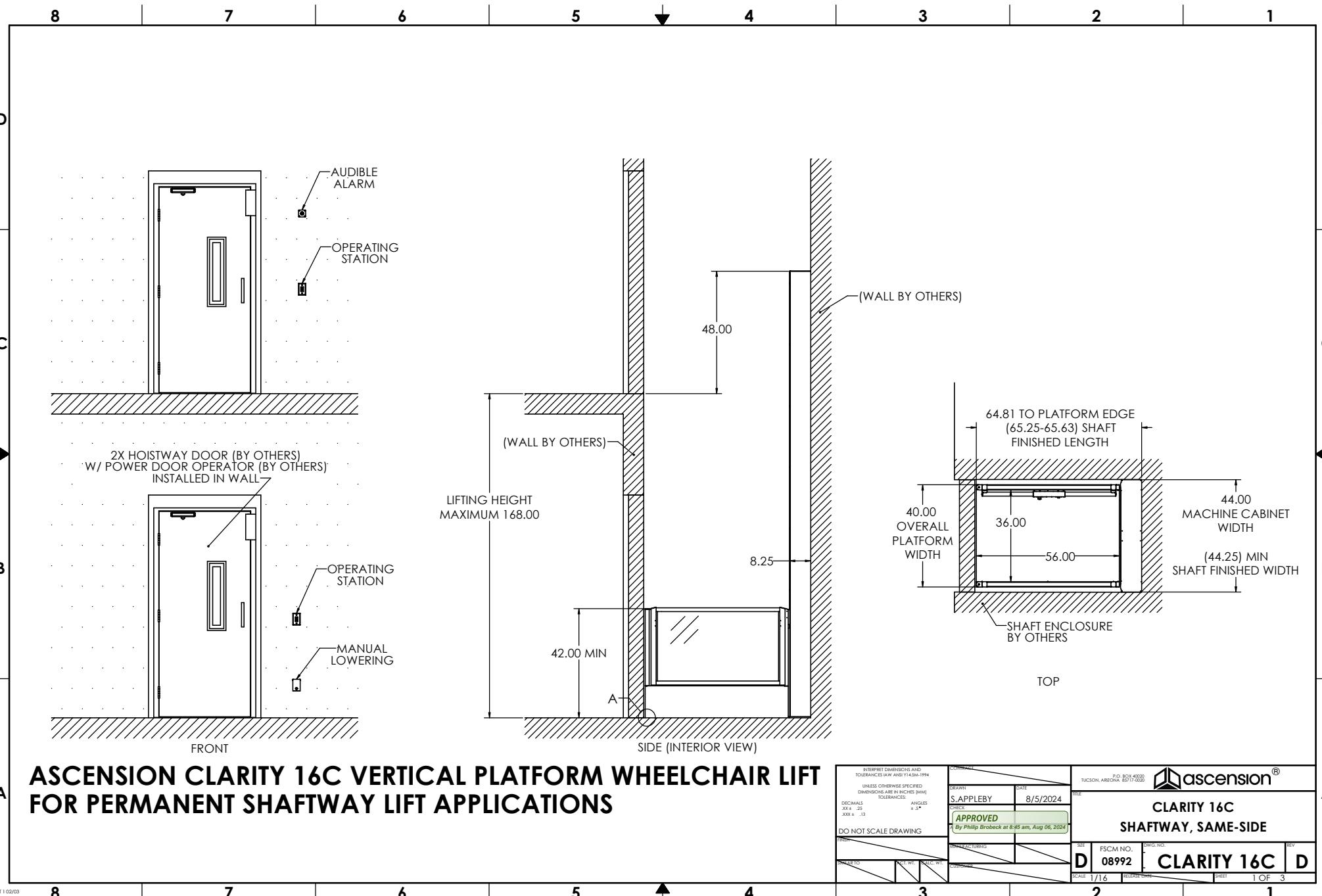


GENERIC DRAWING; CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS

SEE OTHER CLARITY LIFT MODELS (16D, 16E, 16S, ETC.) FOR OTHER ENTRY/EXIT AND ENCLOSED/SHAFTWAY OPTIONS

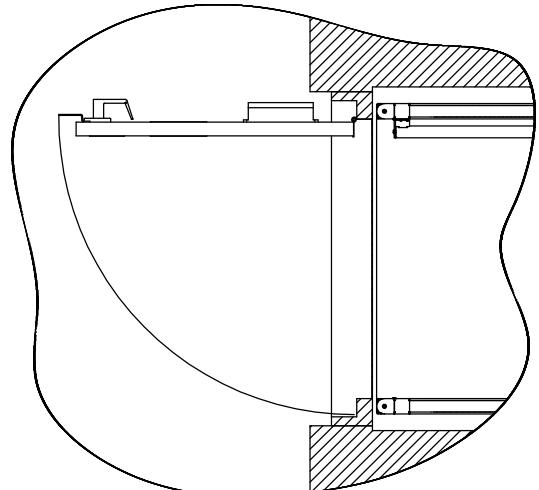
SEE OPTIONS BROCHURE AND/OR SHEET 3 FOR VARIOUS CONFIGURATION OPTIONS



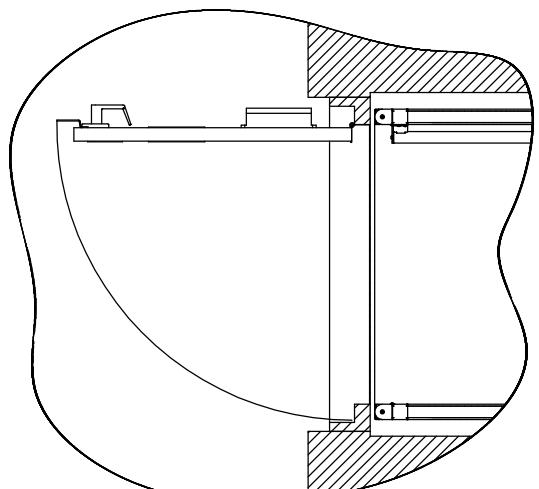
**ASCENSION CLARITY 16C VERTICAL PLATFORM WHEELCHAIR LIFT
FOR PERMANENT SHAFTWAY LIFT APPLICATIONS**

INTERPRET DIMENSIONS AND TOLERANCES IN accordance with UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (MM) TOLERANCES DECIMALS ±0.05 ±0.13 ANGLES ±15°		DRAWN BY S.APPLEBY DATE 8/5/2024 CHECKED BY APPROVED By Philip Brobeck at 8:45 am, Aug 06, 2024	CLARITY 16C SHAFTWAY, SAME-SIDE
DO NOT SCALE DRAWING	CLARITY 16C	FILE \Solidworks01\Ascension\CLARITY 16C.SLDWR	CLARITY 16C
SCALE 1/16	SIZE D	REV D	CLARITY 16C
1 OF 3	FSCM NO. 08992	DWG. NO.	D

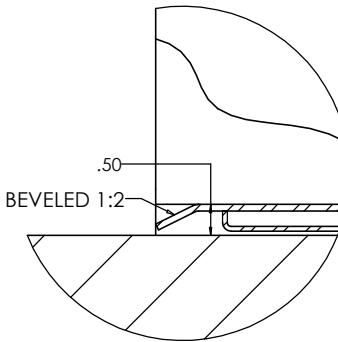
8 7 6 5 4 3 2 1



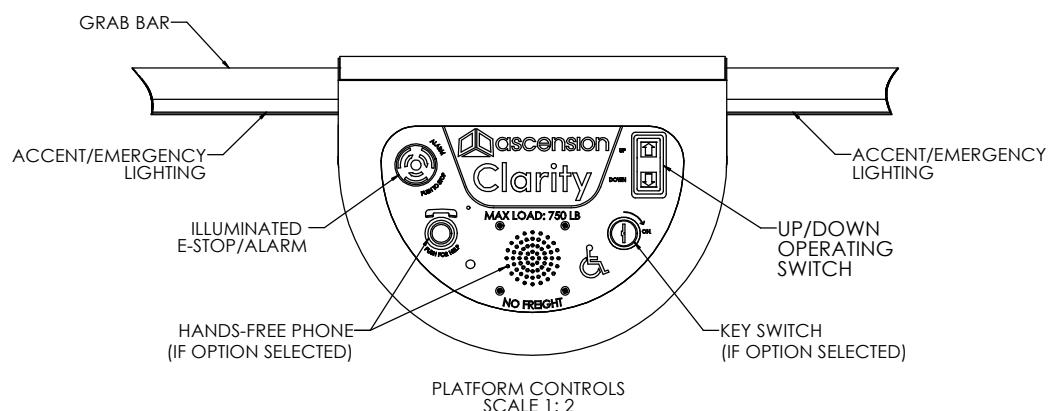
UPPER HOISTWAY DOOR SWING
(DOOR BY OTHERS)
(RH DOOR SHOWN)



LOWER HOISTWAY DOOR SWING
(DOOR BY OTHERS)
(RH DOOR SHOWN)



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



D SIZE SHF 2- 11/01

8 7 6 5 4 3 2 1

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

FILE \Solidworks01\Ascension\CLARITY 16C.SLDRW

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CONFIGURATION

TOTAL TRAVEL	168.00" MAX
ENTRY/EXIT CONFIG.	SAME SIDE
ENCLOSURE PROVIDED	NONE (BY OTHERS)
LOWER LANDING	
DOOR TYPE	HOISTWAY DOOR (BY OTHERS)
HANDING	RH/LH
DOOR OPERATOR	YES (BY OTHERS)
CALL STATION TYPE	WALL MOUNT
CALL STATION KEYED	YES/NO
UPPER LANDING	
DOOR TYPE	HOISTWAY DOOR (BY OTHERS)
HANDING	RH/LH
DOOR OPERATOR	YES (BY OTHERS)
CALL STATION TYPE	WALL 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
PIT SWITCH	STANDARD
MANUAL LOWERING	REMOTE WALL MOUNT
AUDIBLE ALARM	REMOTE WALL MOUNT
BATTERY BACKUP	STANDARD

SPECIFICATIONS

DESCRIPTION	SHAFTWAY 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 16C
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	(SEE HOISTWAY DOOR)

CONFIGURATION: FINISHES

LIFT COLOR (POWDER COAT)	<input type="checkbox"/> SILVER (STANDARD) <input type="checkbox"/> BLACK <input type="checkbox"/> CUSTOM: _____
HARDWARE COLOR	<input type="checkbox"/> SILVER (STANDARD) <input type="checkbox"/> BLACK <input type="checkbox"/> BRASS <input type="checkbox"/> OIL RUBBED BRONZE
PLATFORM WINDOWS	<input checked="" type="checkbox"/> CLEAR LAMINATED GLASS (STANDARD)
WINDOW ART	<input type="checkbox"/> NONE (STANDARD) <input type="checkbox"/> CUSTOM LOGO/IMAGE

PROVISIONS BY OTHERS

GENERAL

HOISTWAY: HOISTWAY MUST BE SQUARE AND PLUMB WITHIN 1/4" TO ENSURE PROPER LIFT OPERATION. SHAFT DIMENSIONS PROVIDED FOR REFERENCE ONLY. HOISTWAY MUST MEET ASME A18.1 AND ALL APPLICABLE STATE AND LOCAL CODES. HOISTWAY IS TO BE PROVIDED BY OTHERS.

DOORS: INSTALLATION OF DOORS TO MEET ALL APPLICABLE CODES. HOISTWAY DOORS TO BE PROVIDED BY OTHERS (SEE ATTACHED FOR RECOMMENDATION).

REAR CABINET CLOSURE: VERTICAL SURFACE BEHIND MACHINE CABINET SHALL HAVE STRENGTH AND STIFFNESS EQUIVALENT TO 14GA (.08) SHEET STEEL.

DIMENSIONS: TOTAL TRAVEL HEIGHT MUST BE WITHIN $\pm 3/8$ " 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 OPERATORS (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.
D 08992 CLARITY 16C D
SCALE 1/16 RELEASE DATE SHEET 3
FILE \Solidworks01\Ascension\CLARITY 16C.SLDRW

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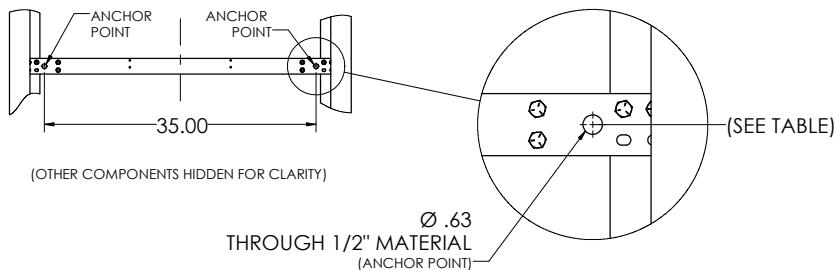
1

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)

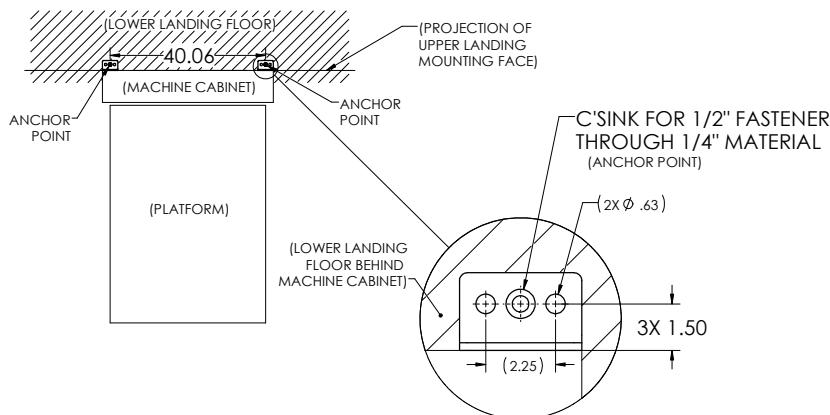


ANCHOR LOCATION TYPE: D

(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



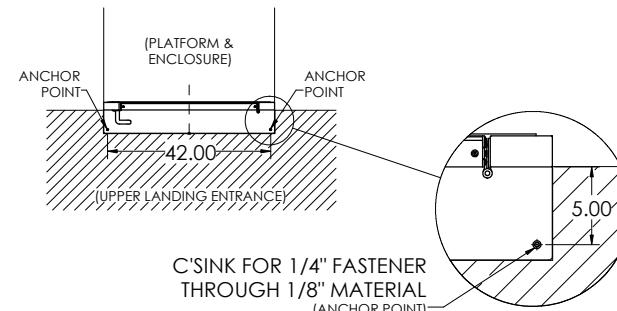
ANCHOR LOCATION TYPE: E

(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



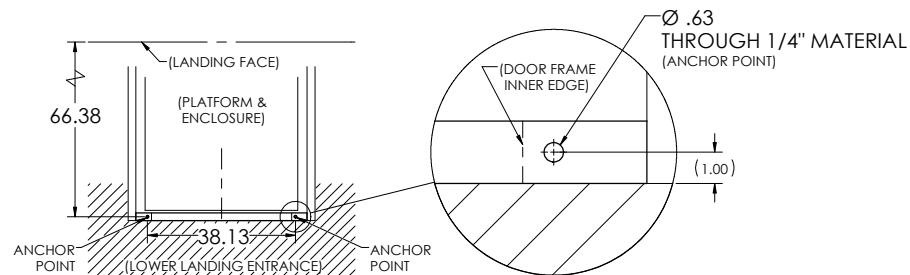
ANCHOR LOCATION TYPE: F

(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.
D	08992	CLARITY LOADING SS
FILE \Solidworks01\Ascension\CLARITY LOADING SS.SLDDRW		
SCALE	1/16	RELEASE DATE
1	2	3

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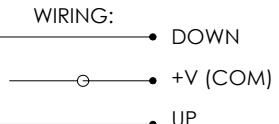
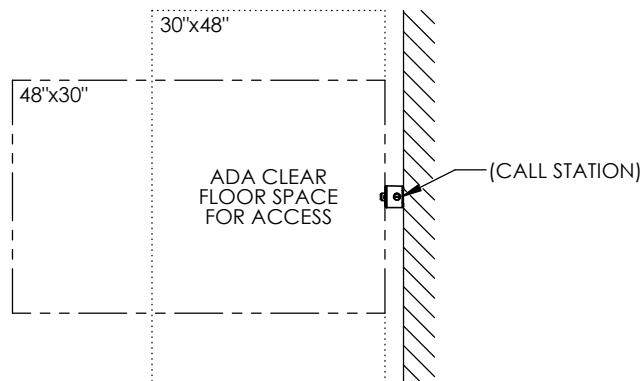
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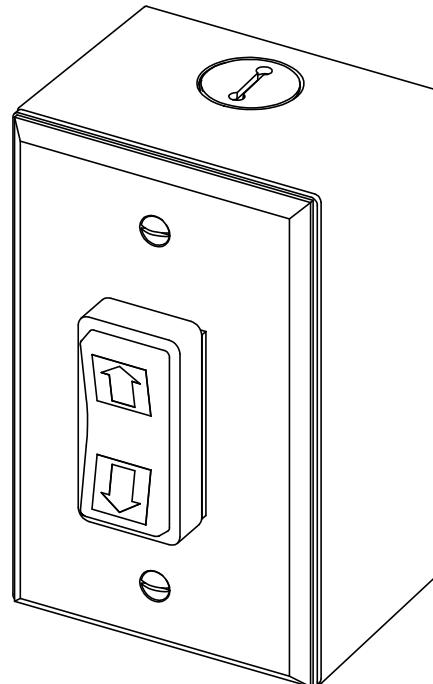
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NOTES UNLESS OTHERWISE SPECIFIED:

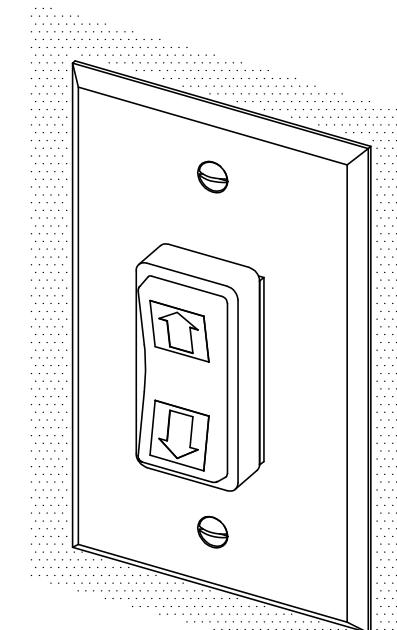
1. DESCRIPTION: REMOTELY LOCATED CALL STATION FOR ASCENSION VERTICAL PLATFORM WHEELCHAIR LIFT. SUITABLE FOR SURFACE OR FLUSH WALL MOUNT.
2. CHARACTERISTICS:
 - 2.1 COVER PLATE: STANDARD SIZE WALL PLATE (4.5" X 2.75"), BRUSHED STAINLESS STEEL.
 - 2.2 SWITCH: 3 POSITION ROCKER, REQUIRES CONSTANT PRESSURE 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.

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



SURFACE MOUNT



FLUSH MOUNT

(PLATE COMPATIBLE WITH PREINSTALLED 1-GANG BOX)

INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM]		CONTRACT NO.	
DECIMALS: XX ± N/A XXX ± N/A		TOLERANCES: ANGLES ± N/A	
DRAWN S.APPLEBY		DATE 12-4-24	
CHECK		APPROVED By CWillis at 10:06 am, Dec 05, 2024	
DO NOT SCALE DRAWING		MANUFACTURING	
FINISH		CUSTOMER	
SIMILAR TO	ACT. WT.	CALC. WT.	
FSCM NO. B 08992 DWG. NO. 115712			
SCALE 1/1		RELEASE DATE	
FILE \Solidworks01\Ascension\115712_SALES.SLDDRW			

ascension®

P.O. BOX 40020
TUCSON, ARIZONA 85717-0020
 TITLE **OPERATING STATION (CALL BOX)
WALL MOUNTED**
 SIZE B FSCM NO. 08992 DWG. NO. 115712
 REV. E

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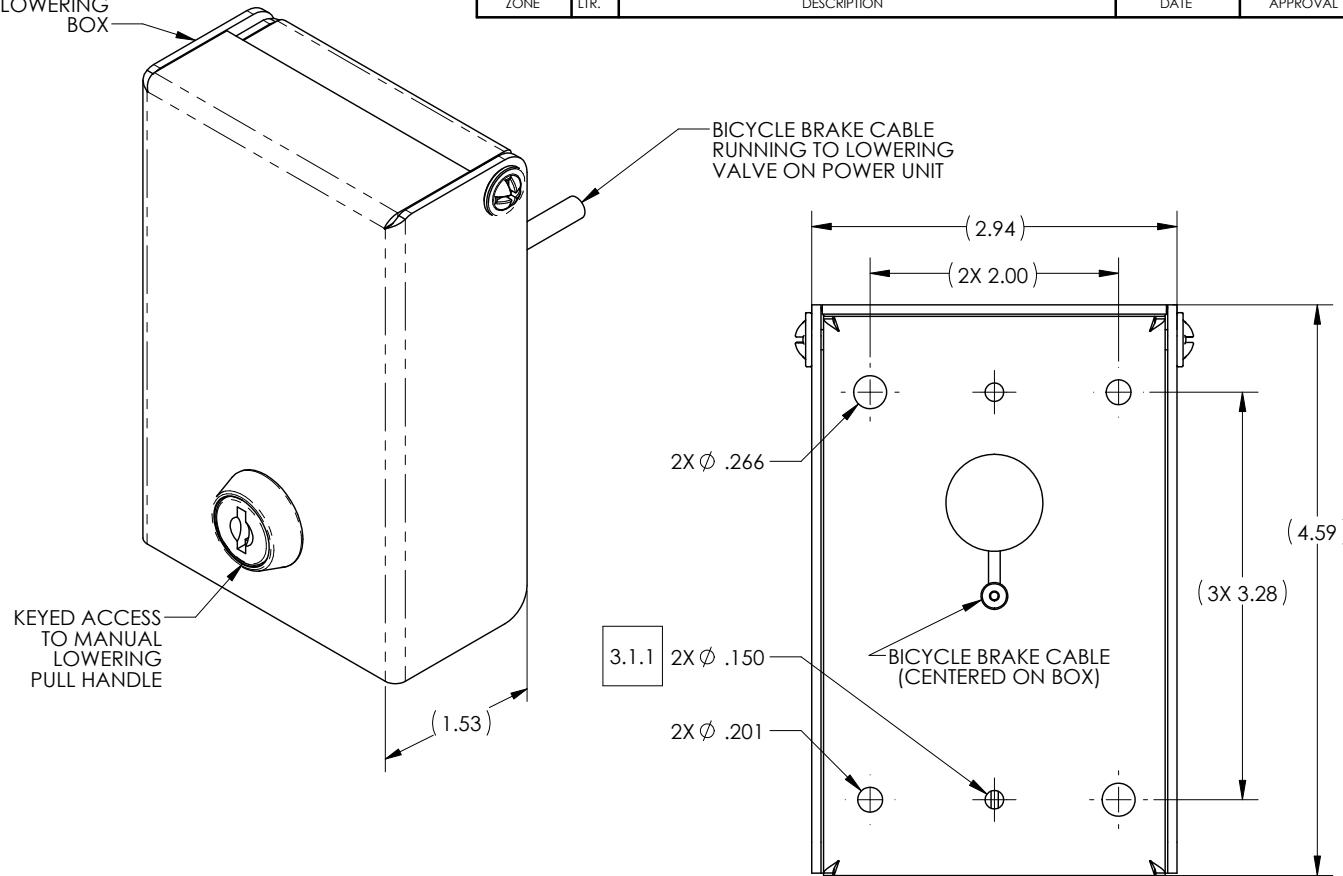
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REMOTE
LOWER
BOX

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) SEPARATE 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	CONTRACT NO.	AGM CONTAINER CONTROLS, INC.	
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DATE	P.O. BOX 40020 - TUCSON, ARIZONA 85717-0020	
				TOLERANCES: XX ± N/A XXX ± N/A	CHECK		
				DECIMALS XX ± N/A XXX ± N/A	ANGLES ± N/A		
				DO NOT SCALE DRAWING	APPROVED		
					By Philip Brobeck at 12:15 pm, Aug 13, 2019		
				FINISH	MANUFACTURING		
PART DASH NO.	NEXT DASH NO.	FINAL DASH NO.	NEXT ASSY. DASH NO.	USED ON DASH NO.	CUSTOMER	SIZE B	FSCM NO. 08992
				APPLICATION		DWG. NO. 117580	REV. -
						SCALE 1/1	RELEASE DATE
							1 OF 1

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1. DESCRIPTION:

SPECIFICATIONS FOR WALL-MOUNT DOORS AND INTERLOCKS TO BE USED WITH ASCENSION WHEELCHAIR LIFTS (16S, 16C, & CERTAIN 5442F SERIES LIFTS).

2. CODE REQUIREMENTS:

DOOR AND INTERLOCK TO COMPLY WITH ALL APPLICABLE CODES AND REQUIREMENTS, INCLUDING ASME A18.1.

GENERAL REQUIREMENTS FOR REFERENCE ONLY:

- DOOR MUST BE SELF-CLOSING
- INSIDE OF DOOR MUST FORM SMOOTH, UNPERFORATED SURFACE FLUSH WITH SURROUNDING FACES OF ENCLOSURE/HOISTWAY
- DOOR AND INTERLOCK MUST WITHSTAND A 125 LBF APPLIED FORCE
- DOOR MUST BE FIRE-RATED (IF APPLICABLE)

3. INTERLOCK SPECIFICATIONS:

MECHANICAL INTERLOCK TO INCLUDE TWO (2) PARALLEL (SEPARATE) CONTACTS FOR LIFT'S DOOR CLOSED AND DOOR LOCKED SIGNAL CIRCUITS. CONTACTS TO BE CLOSED WHEN DOOR SHUT AND LOCKED.

INTERLOCK TO BE FAIL-SECURE, 24VDC, 0.5A MAX CURRENT DRAW.

(1.0A MAX CURRENT DRAW FOR PROTÉGÉ 5442F SERIES)

INTERLOCK TO BE CERTIFIED TO ASME A18.1, ASME A17.1, CSA B44, OR CSA B355.

RECOMMENDED INTERLOCK MODELS:

- IDEC HS5L (HS5L-XD44M-G OR SIMILAR)
 - AVAILABLE FROM ASCENSION
- ATLAS ATLOCK (ATLOCK-LP5 (LH), ATLOCK-RP5 (RH), OR SIMILAR)

4. RECOMMENDED HOISTWAY DOOR MANUFACTURER & MODEL:

BELCO DOORS

P/N: COM-316

STANDARD FEATURES:

- 1.5 HOUR FIRE RATING
- VISION PANEL
- PRIMED AND READY FOR PAINT

OPTIONS:

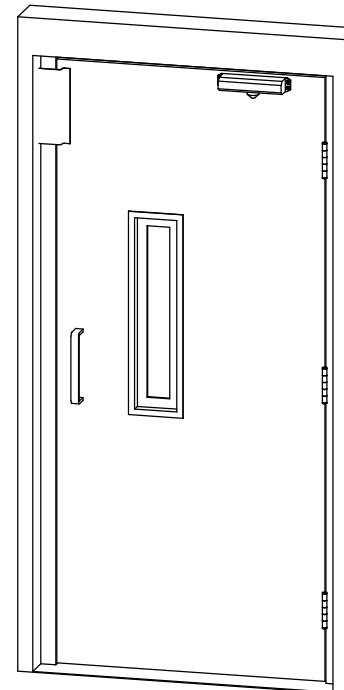
- "RH" OR "LH" HANDING
- CONCEALED POWER DOOR OPERATOR (PDO)
- OUTDOOR WEATHER PACKAGE

FIRE-RATED WOODEN DOOR OPTIONS AVAILABLE; CONTACT BELCO DOORS FOR MORE DETAILS.

WALL-MOUNT DOOR SPECIFICATIONS

FOR DOORS TO BE USED WITH ASCENSION LIFTS

(RECOMMENDED DOOR MODEL **OPTIONALLY** PROVIDED WITH LIFT; SEE QUOTE)



DOOR APPEARANCE FOR REFERENCE ONLY
("LH" HANDING SHOWN)

INTERPRETATION DIMENSIONS AND TOLERANCES: ASME Y14.5M-1994 UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES (MM) TOLERANCES: ±0.063" (±1.6 mm)		CONTRACTOR DRAWN S.APPLEBY DATE 12-30-25 REV E	P.O. BOX 40200 TUCSON, ARIZONA 85717-0200		ascension®
APPROVED By CWillis at 12:45 pm, Jan 06, 2026				WALL-MOUNT DOOR SPECIFICATIONS	
DO NOT SCALE DRAWING	SIZE D FSCM NO. 08992	DWG. NO. 16S DOOR	REV C	SCALE 1/8	FILE \Solidworks01\Ascension\16S DOOR.SLDDRW
SCALE TO 1:1	WT. 300 lb	WT. 300 lb	WT. 300 lb	RELEASE DATE 1/01/2026	SHEET 1 OF 1

BELCO DOORS COM-316 ORDER FORM

Left Hand Swing

Qty: _____

Right Hand Swing

Qty: _____

Side Jambs Profile

Head Jamb Profile

Note: Drywall or Parging (By others)

Lintel if Required (By others)

Mounting Holes

6" JD

3"

3"

3" Max Gap

1/8" Diamond Checker Plate Sill

Elevator Cab

Door

Door

1-1/2 Hour Elevator Approved "B" Fire Label

A. 16ga. Frame (Galvanneal & Paint Ready)
 B. 18ga. Steel Door (Honeycomb Core, Galvanneal & Paint Ready)
 C. 3" x 23" Vision Panel (1/4" Wired Glass)
 D. (3) 4 1/2" NRP BB Hinges (US26D Finish)
 E. D-Handle (Brushed Aluminum)
 F. Push Plate (Brushed Aluminum)
 G. EMI Interlock (Atlas Atlock)
 H. Concealed PDO-110V (Optional)
 I. Flat Diamond Zinc Plated Sill with Sill Pins
 J. Kick Plate (Brushed Aluminum)

Standard Entrances are provided with a Manual Door Closer, if Power Door Operation is Required - Please Check Box Below

Power Door Operation is Required

Standard Entrances are for Interior use, if Exterior Application Pkg. is Required - Please Check Box Below

Exterior Application Pkg. Required

REV. NO. 0

REVISION DESCRIPTION INITIAL RELEASE

DATE 2NOV22

BY JPH

SCALE: 1/8"

AGM Container
COM-316-3681-CPDO
Size 36" x 81"

DRAWN BY: JPH

DATE LAST MODIFIED: NOV 15 2022

DRAWING NO.: COM-316-3681-CPDO

REV. 0

SHEET NO. 1 OF 1

NIAGARA BELCO DOORS LTD. IS NOT RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE BUILDING AND ITS ABILITY TO SUPPORT THE ENTRANCE.