ASCENSION CLARITY MODEL SERIES VERTICAL PLATFORM LIFT FOR SHAFTWAY INSTALLATION


2. RATINGS
   2.1 CAPACITY: 750 LB
   2.2 SPEED: 20 FT/MIN
   2.3 DUTY: 168 CYCLE/FT/HOUR (12 CYCLES/HOUR MINIMUM).
   2.4 TRAVEL: 34.00 TO 168.00 AS ALLOWED BY AHJ.

3. DRIVE & ELECTRICAL
   3.1 DRIVE TYPE: 2:1 CHAIN HYDRAULIC
   3.2 SUSPENSION: 4X #50 ANSI ROLLER CHAINS
   3.3 MOTOR: 24VDC, 3 HP
   3.4 ELECTRICAL: 120VAC, 60 HZ, 6A, 1-PHASE.
   3.5 FULL-TIME BATTERY OPERATION WITH CHARGING.
   3.6 MANUAL LOWERING PULL HANDLE WITH ACCESS LOCK PROVIDED STANDARD AT UPPER LANDING.

4. SITE CONSIDERATIONS
   4.1 DO NOT PROVIDE PIT OR RAMP. LOW-PROFILE PLATFORM FLOOR MEETS ADA REQUIREMENTS AS ENTRY THRESHOLD.
   4.2 UPPER LANDING PLATE, .25 THICK, ANCHORS TO TOP OF UPPER LANDING FLOOR SURFACE.
   4.3 REFER TO ASCENSION CLARITY STRUCTURAL LOADING DOCUMENT FOR STRUCTURAL AND ANCHORING REQUIREMENTS.
   4.4 1X HOISTWAY DOOR BY OTHERS. CONTACT ASCENSION FOR RECOMMENDATION. INSTALLATION IN BUILDING WALL MUST MEET ALL APPLICABLE CODES.
   4.5 SHAFT DIMENSIONS PROVIDED FOR REFERENCE ONLY. CLEARANCES MUST MEET ASME A18.1 AND APPLICABLE LOCAL CODES.
   4.6 UP/DOWN OPERATING SWITCH PROVIDED IN SINGLE-GANG BOX FOR REMOTE MOUNTING IAW APPLICABLE CODES AND REGULATIONS.

5. LIGHTING AND COMMUNICATIONS
   5.1 PRIMARY LIGHTING TO BE PROVIDED BY OTHERS IAW ALL APPLICABLE CODES AND REGULATIONS.
   5.2 ACCENT AND AUXILIARY LIGHTING PROVIDED STANDARD ON PLATFORM CONTROLS AND FLOOR.
   5.3 OPTIONAL HANDS-FREE AUTODIALING TELEPHONE ON PLATFORM.

6. ALTERNATE DOOR HANDLING AVAILABLE. CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS.
CLARITY LOADING - OPPOSING ENTRY & EXIT (16E, 16S)
(GENERIC APPLICATION DEPICTED; ENCLOSURE AND PLATFORM NOT SHOWN)

FRONT VIEW

SIDE VIEW

TOP VIEW
C’SNK ANCHOR LOCATIONS AND ENCLOSURE ANCHOR LOCATIONS

FLOOR BY BUILDER
LANDING BY BUILDER

STRUCTURE BY BUILDER

GENERAL INFORMATION
1. LOADS LISTED ASSUME STATIC LOADING AND DO NOT INCLUDE CONSIDERATIONS FOR WIND, SEISMIC, OR SAFETY FACTOR.
2. VERIFY ALL ANCHOR LOCATIONS IN FIELD PRIOR TO DRILLING. DRILL AFTER POSITIONING CABINET.

TOTAL UNIT WEIGHT
16E: 1200 LB MIN
2200 LB MAX
16S: 1000 LB MIN
1600 LB MAX
(EXCLUDING 750 LB RATED LOAD AND COMPONENTS BY OTHERS)

2X Ø1/2" CSK BOLTS SHEAR LOAD OF 700 LBF PER FASTENER
2X Ø1/2" ANCHORS PER CROSSPIECE PULLOUT FORCE OF 700 LBF PER ANCHOR
3X Ø1/2" ANCHORS PER CROSSPIECE PULLOUT FORCE OF 700 LBF PER ANCHOR

.50±.38 TO ADJUST TO UPPER LANDING
(COVER PANELS HIDDEN THIS VIEW)

2X 24.00 TYPICAL
2X 25.00 TYPICAL
2X 24.00 TYPICAL
(ANCHOR POINTS AT 24" VERTICAL SPACING; EXACT NUMBER DEPENDS ON HEIGHT)

20.00
20.00
38.13
3X 8.75
2X 66.38
ENCLOSURE FOOTPRINT
(48.13" X 67.38")

35.00 TYPICAL
(2X 24.00)
(2X 24.00)

2X 25.00

2X 24.00 TYPICAL

BSC MFG CO.

DCA

(ANCHOR POINTS AT 24" VERTICAL SPACING; EXACT NUMBER DEPENDS ON HEIGHT)