

CONFIGURATION

8

D

R

8

D SIZE SHT 2+ 11/01

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 MOUN
CALL STATION KEYED	YES/NO
UPPER LANDING	
DOOR TYPE	48" GATE/ 80" DOOF
HANDING	RH/LH
DOOR OPERATOR	YES
CALL STATION TYPE	WALL/FRAME MOUN
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 MOUN
AUDIBLE ALARM	REMOTE WALL MOUN
BATTERY BACKUP	STANDARD

7

7

SPECIFICATIONS

DESCRIPTION	ENCLOSED VERTICAL			
	PLATFORM WHEELCHAIR LIF			
CODE	ASME A18.1, ASME A17.5,			
COMPLIANCE	NFPA 70 (NEC), ANSI A117.1,			
COMPLIANCE	ADASAD (ADAAG)			
APPLIED VERSION				
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

6

LIFT COLOR	□ SILVER (STANDARD)			
(POWDER COAT)	🗆 BLACK			
HARDWARE	□ SILVER (STANDARD)			
COLOR	🗆 BLACK			
	□ BRASS			
	□ OIL RUBBED BRONZE			
WINDOWS	CLEAR PLEXIGLAS			
	(STANDARD)			
	□ TINTED PLEXIGLAS (30%)			
	FROSTED PLEXIGLAS			
	POWDER COATED STEEL			
WINDOW ART	□ none (standard)			

5

PROVISIONS BY OTHERS

3

GENERAL

4

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.

D

С

В

Α

D

rks01\Ascension\CLARITY 16D.SLDI

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 $\pm 3/8$ " 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

4

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.

3

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.

FSCM NO

08992

CLARITY 16D

D

2

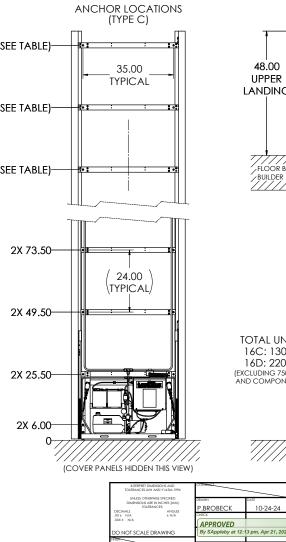
7 5 3 6 4 2 CLARITY LOADING - SAME SIDE ENTRY & EXIT (16C,16D)

(GENERIC APPLICATION DEPICTED; ENCLOSURE NOT SHOWN)

D

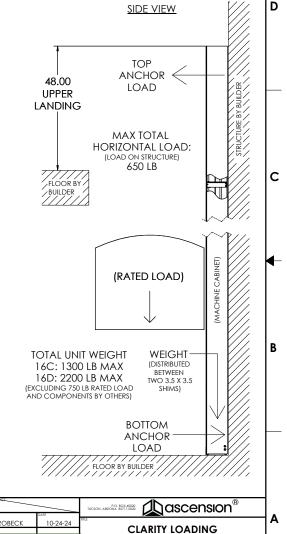
8

	ANCHORING REQUIREMENT	ANCHOR LOCATION* (±.38) [IN]	IINE CABINET A MAX LOAD** PER ANCHOR [LBF]	# OF ANCHORS	TYPE (NEXT SHEETS)	APPLICABILITY	(SEE TABLE
		193.50	227			TRAVEL > 148''	
	NCHOR AT ONE OF	169.50		2	С	TRAVEL > 124"	(SEE TABLE
	THESE LOCATIONS.	145.50			C	TRAVEL > 100"	(SEE TABLE
	OTHERS OPTIONAL [†]	121.50				ALL LIFTS	
		BELOW SILL	100	8	G	16D HL PKG WITH U-BRACE ONLY	
	ſ	97.50					(SEE TABLE
		OPTIONAL [†]	227	ALL LIFTS			
		25.50					
А	NCHOR AT ONE OF \int	6.00	227	2	С	NO HL PKG	
	THESE LOCATIONS 🔪	LOWER F.F.	327	2	D	HL PKG ONLY	2X 73.5
		ENCLOSURE	ANCHORS (16D	MODEL ON	ILY)		
	REQUIRED IF PRESENT	UPPER F.F.	100	2	E	16D ONLY	
	REQUIRED IF PRESENT	LOWER F.F.	100	2	F	16D ONLY	
† I	LOADS LISTED ASSUME STATIC LOAD USE OF OPTIONAL ANCHORS RECO DDITIONAL NOTES: 1. ANCHORS PROVIDEI (SEE NEXT SHEET FOR STAINLESS-STEEL CONCRETE AN	D BY ASCENS	XIMUM RIGIDITY.	MON MOUN		ICATIONS.	2X 25.5 2X 6.0



3

FRONT VIEW



1



1 OF

В

SAME SIDE

CLARITY LOADING SS

FSCM NO. D 08992

E 1/16

2

