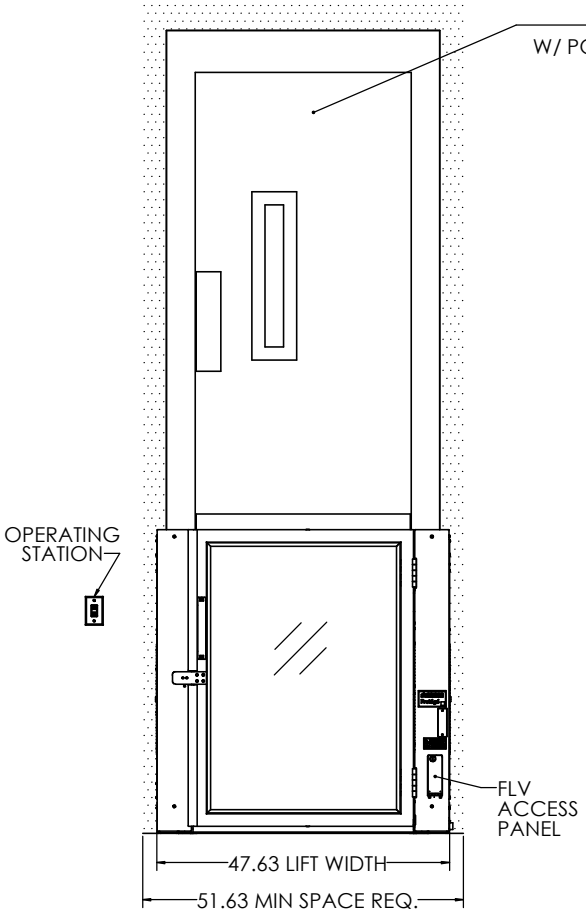
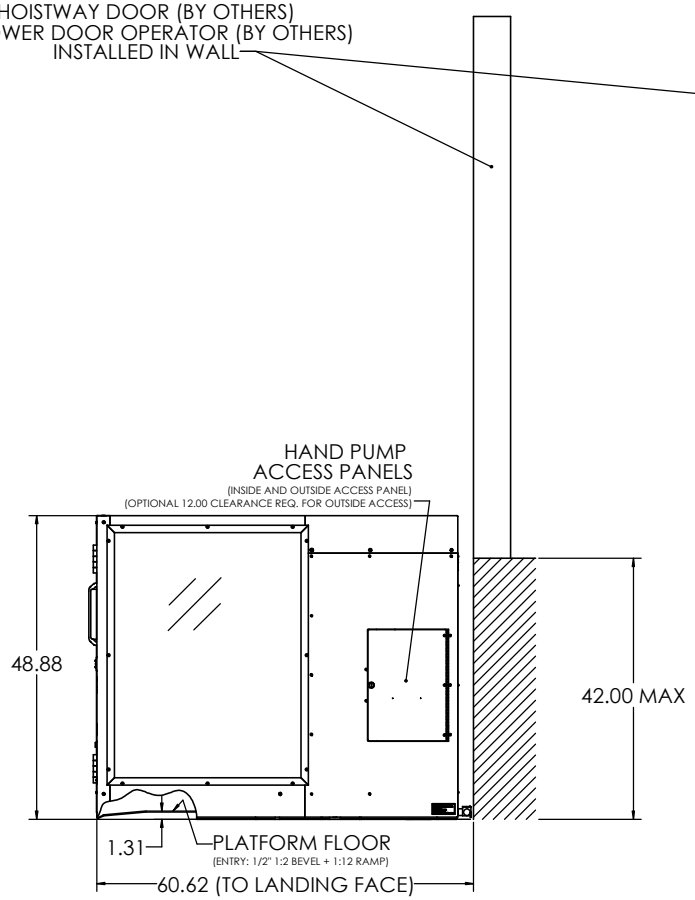
GENERIC DRAWING; CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS

SEE OTHER PROTEGE LIFT MODELS (5442FG, 5442F, ETC.) FOR OTHER GATE/DOOR OPTIONS (PLATFORM/LANDING MOUNT)

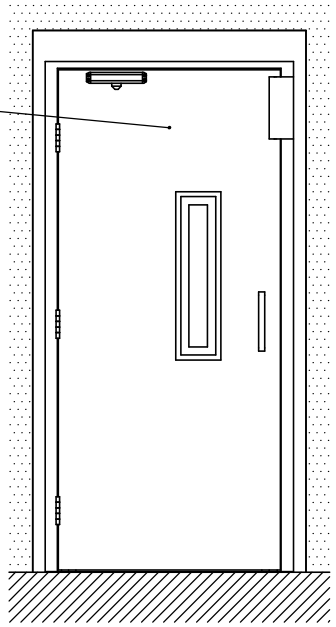
SEE OPTIONS BROCHURE AND/OR SHEET 3 FOR VARIOUS CONFIGURATION OPTIONS



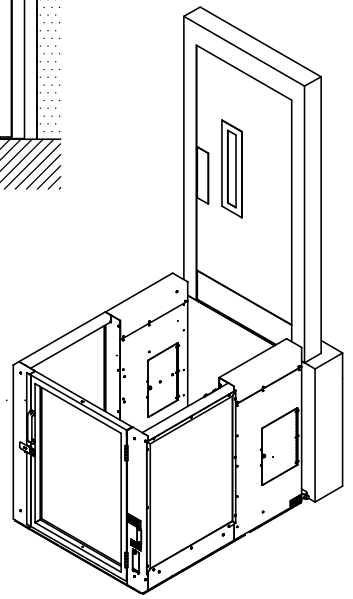
FRONT VIEW
(LOWER LANDING)



SIDE VIEW



BACK VIEW
(UPPER LANDING)



ASCENSION PROTÉGÉ 5442FX 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

DRAWN S.APPLEBY 7/31/2024
CHECK
APPROVED
By Philip Brobeck at 1:18 pm, Aug 01, 2024
MATERIAL
HEAT TREAT/PLATING
FINISH
NEXT ASSY
PROPRIETARY
CUSTOMER
DO NOT SCALE DRAWING
WEIGHT
SCALE 1/10

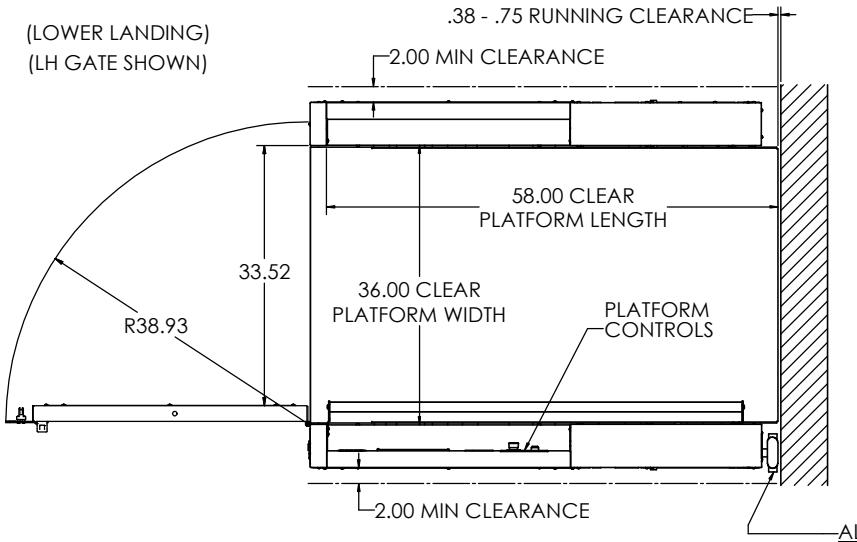
P.O. BOX 40020
TUCSON, ARIZONA 85717-0020
ascension®

TITLE
PROTEGE 5442FX
WITH UPPER DOOR BY OTHERS

SIZE D | FSCM NO. 08992 | DWG. NO. PROTEGE 5442FX | REV F
RELEASE DATE
SHEET 1 OF 3

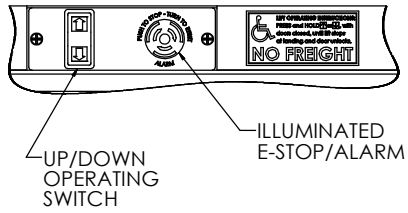
D SIZE SHT 1 02/03

FILE \Solidworks01\Ascension\PROTEGE 5442FX.SLDDRW



TOP VIEW

PLATFORM CONTROLS
SCALE 1:2



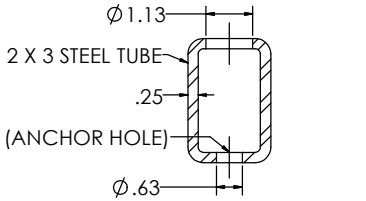
ALL WIRING ENTERS LIFT THROUGH 1/2" CONDUIT TEE AT GROUND LEVEL:
-120VAC SUPPLY (3-CONDUCTOR, BY OTHERS)
-24VDC LOWER WALL MOUNT OPERATING STATION (3-CONDUCTOR, BY OTHERS)
-24VDC UPPER LANDING DOOR (9-CONDUCTOR, 144" BY ASCENSION)

LIFT IS FREE-STANDING; ANCHORS
UNLOADED DURING NORMAL OPERATION

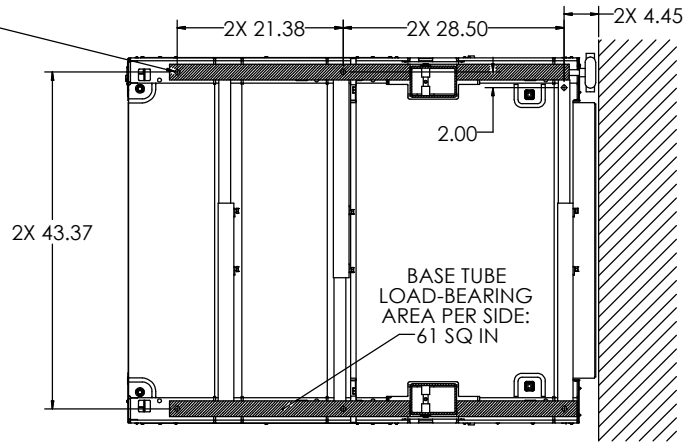
6X Ø .63 ANCHOR HOLE

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

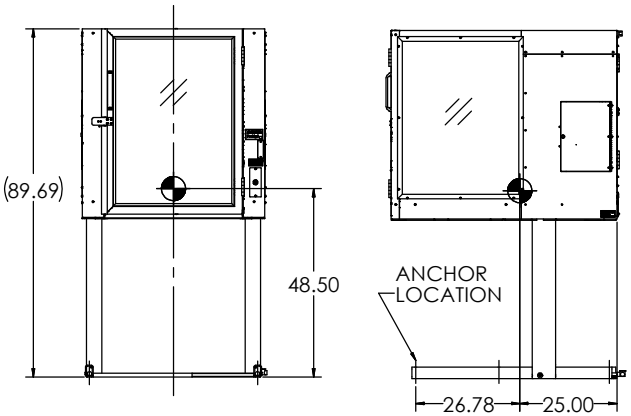
(4X 3/8 X 4.50 LAG SCREWS
FOR WOOD PROVIDED)



BASE TUBE 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	PROTEGE 5442FX	F
SCALE 1/10	RELEASE DATE	SHEET 2	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\PROTEGE 5442FX.SLDDRW

CONFIGURATION

TOTAL TRAVEL	UP TO 42.00"
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	HOISTWAY DOOR (BY OTHERS)
HANDING	RH/LH
DOOR OPERATOR	YES/NO (BY OTHERS)
CALL STATION TYPE	WALL 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	YES/NO
PIT SWITCH	STANDARD
AUDIBLE ALARM	STANDARD
UNDER-PLATFORM SAFETY PAN	STANDARD
CALIFORNIA SAFETY PAN MODIFICATION	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	PROTEGE 5442FX
UNIT WEIGHT	850 LB
RATED LOAD	900 LB
RATED SPEED	5 FT/MIN
DUTY CYCLE S2: S3:	20 MIN SINGLE RUN 13% INTERMITTENT RUN
PLATFORM SIZE	36" X 58"
POWER SUPPLY	24VDC, 1.75A (42W)
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)	41.5"
SAFETIES TYPE	NONE (IAW ASME A18.1 §2.8.8)

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

DOOR LOCKS	LOWER: IDEC HS5L UPPER: (SEE DOORS BY OTHERS)

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 (WITH FASCIA) 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.

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

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, 13A, 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	PROTEGE 5442FX	F
SCALE 1/10	RELEASE DATE	SHEET 3	

D SIZE SHT 2+ 11/01

FILE \Solidworks01\Ascension\PROTEGE 5442FX.SLDDRW

WALL-MOUNT DOOR SPECIFICATIONS

FOR DOORS TO BE USED WITH ASCENSION LIFTS

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

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.

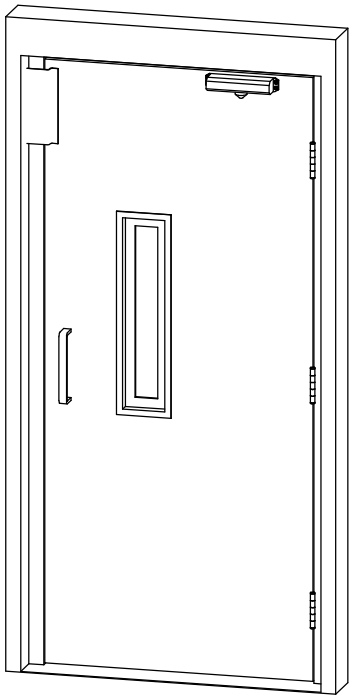
   RECOMMENDED INTERLOCK MODELS:
   - IDEC HS5L (HS5L-XD44M-G OR SIMILAR)
     - AVAILABLE FROM ASCENSION
   - ATLAS ATLOCK (ATLOCK-LP5 (LH), ATLOCK-RP5 (RH), OR SIMILAR)

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.



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

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 TO
NET WT.
CALC. WT.

CONTRACT
DRAWN S.APPLEBY DATE 12-30-25
CHECK
APPROVED By CWillis at 12:45 pm, Jan 06, 2026
MFG APPR
CUSTOMER

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

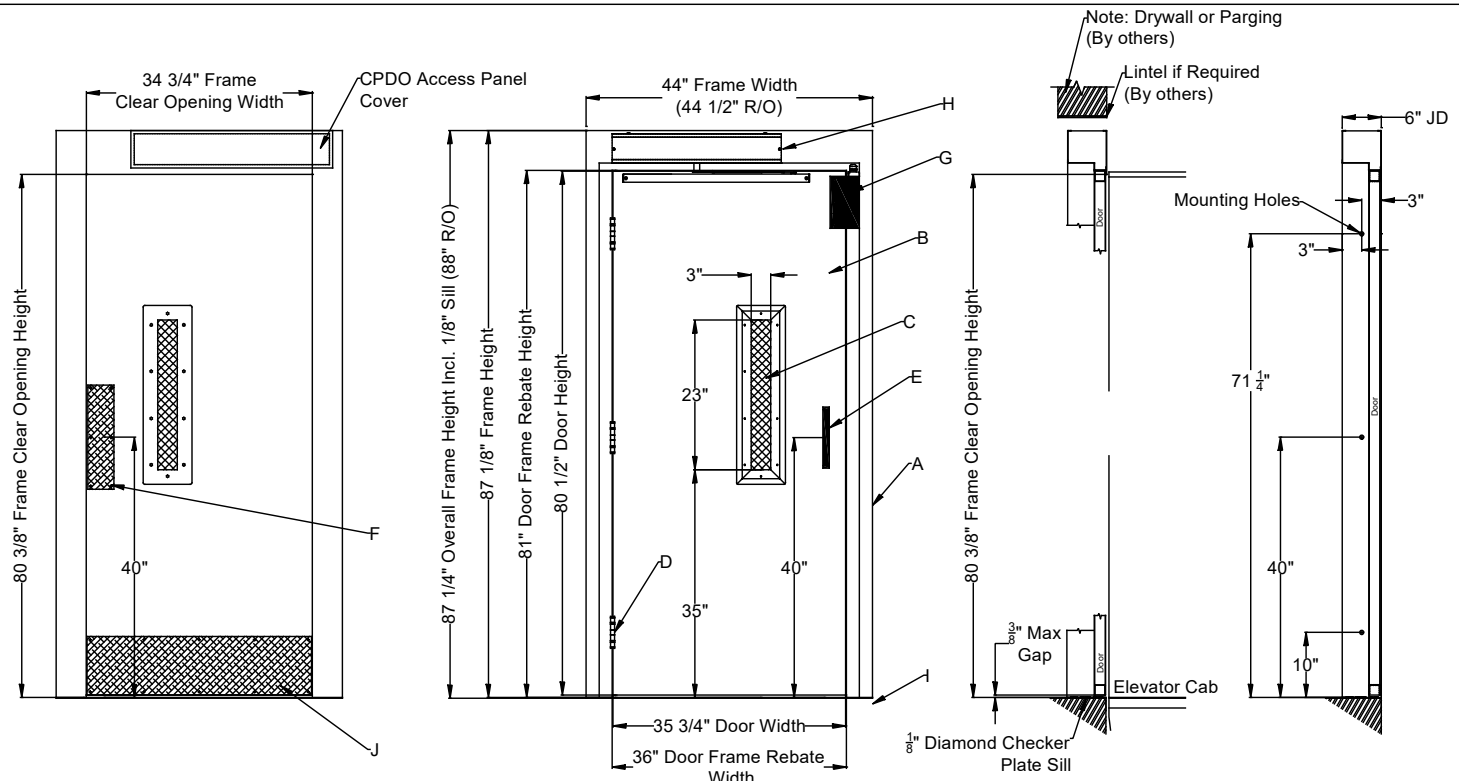
TITLE
WALL-MOUNT DOOR SPECIFICATIONS

SIZE D | FSCM NO. 08992 | DWG. NO. - 16S DOOR | REV C
SCALE 1/8 | RELEASE DATE | SHEET 1 OF 1

D SIZE SHT 1 02/03

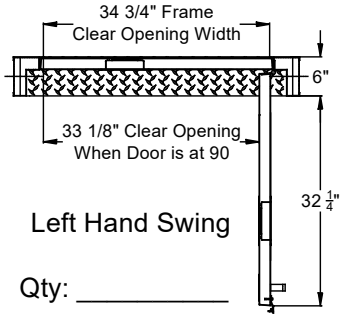
FILE \Solidworks01\Ascension\16S DOOR.SLDDRW

BELCO DOORS COM-316 ORDER FORM



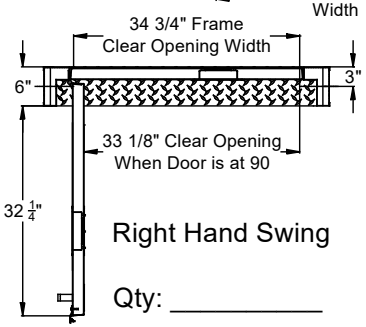
1-1/2 Hour Elevator Approved "B" Fire Label

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)



Left Hand Swing

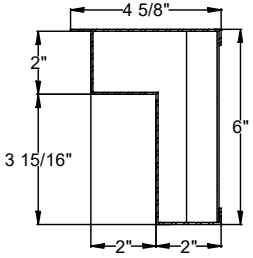
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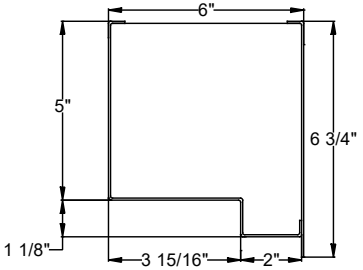
Right Hand Swing

Qty: _____

Side Jambs Profile



Head Jamb Profile



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

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

REV NO.	REVISION DESCRIPTION	DATE	BY
0	INITIAL RELEASE	2NOV22	JPH

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

SCALE: NTS

DRAWN BY:	DATE LAST MODIFIED:	DRAWING NO.	REV	SHEET NO.
JPH	NOV 15 2022	COM-316-3681-CPDO	0	1 OF 1

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.

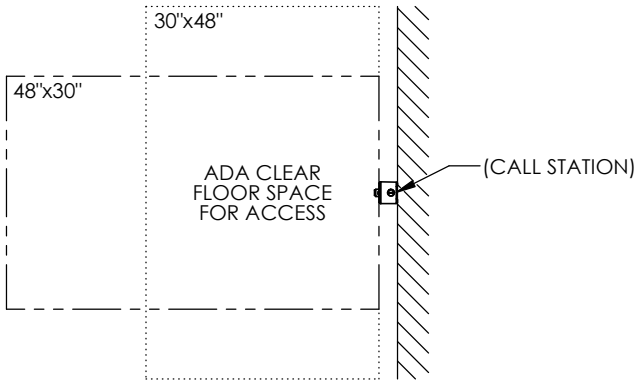
2.4 WEATHER RATING: SUITABLE FOR OUTDOOR USE.

3. ADA REQUIREMENTS:

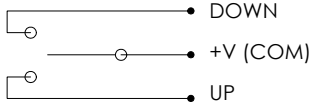
3.1 MOUNT BETWEEN 15" AND 48" ABOVE FLOOR.
IAW ADAAG 308.2 OR 308.3

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

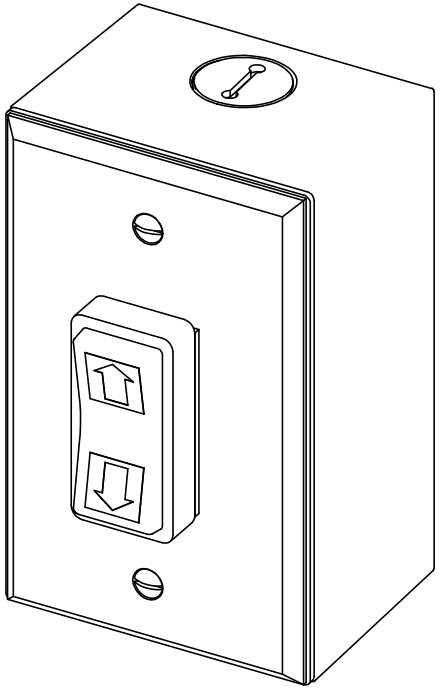
NOTE: CLEAR FLOOR SPACE MUST BE OUTSIDE SWING OF AUTOMATIC DOORS AND GATES.



WIRING:

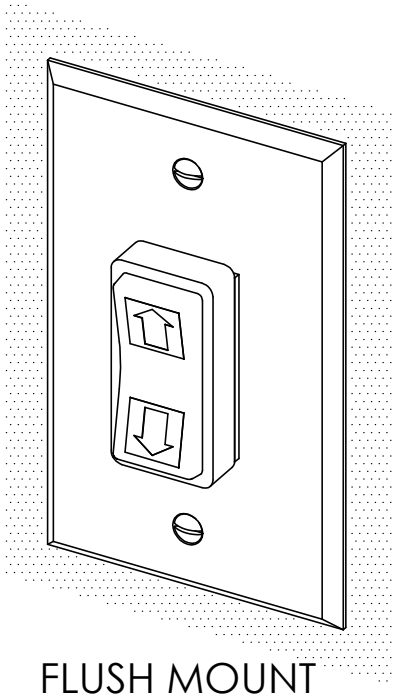


(3) 1/4" QUICK-DISCONNECT TERMINALS (PROVIDED)



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:

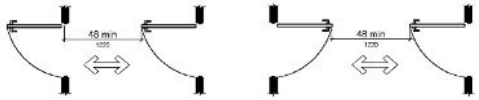
1. THIS DOCUMENT IS INTENDED TO ASSIST IN SITE PLANNING TO ENSURE REQUIRED CLEARANCES FOR LIFT AND REQUIRED ADA ENTRY CLEARANCES ARE PROVIDED.

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).

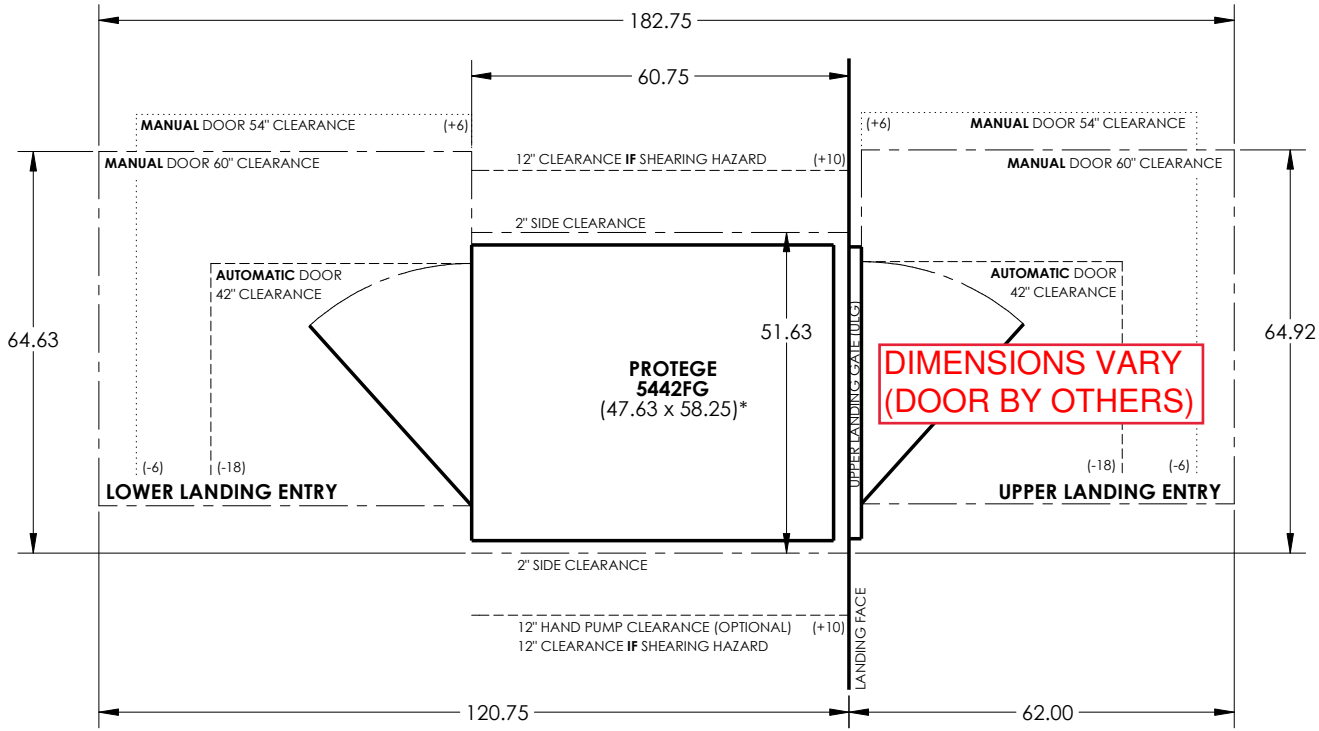
   NOTE: ADDITIONAL CLEARANCE REQUIRED FOR DOORS IN SERIES; CLEARANCE OF 48" REQUIRED BETWEEN OPEN DOORS (SO EACH DOOR MAY BE NAVIGATED INDIVIDUALLY).



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 REQUIRED WIDTH CLEARANCE) BY 0.69"

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 10:39 am, Oct 01, 2024

MANUFACTURING

CUSTOMER

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

TITLE **REQUIRED CLEARANCES FOR PROTEGE 5442FG**

SIZE	FSCM NO.	DWG. NO.	REV.
B	08992	PROTEGE 5442FG CLEARANCES	B

SCALE 1/20 RELEASE DATE SHEET 1 OF 1

B SIZE SHT 1 02/03

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