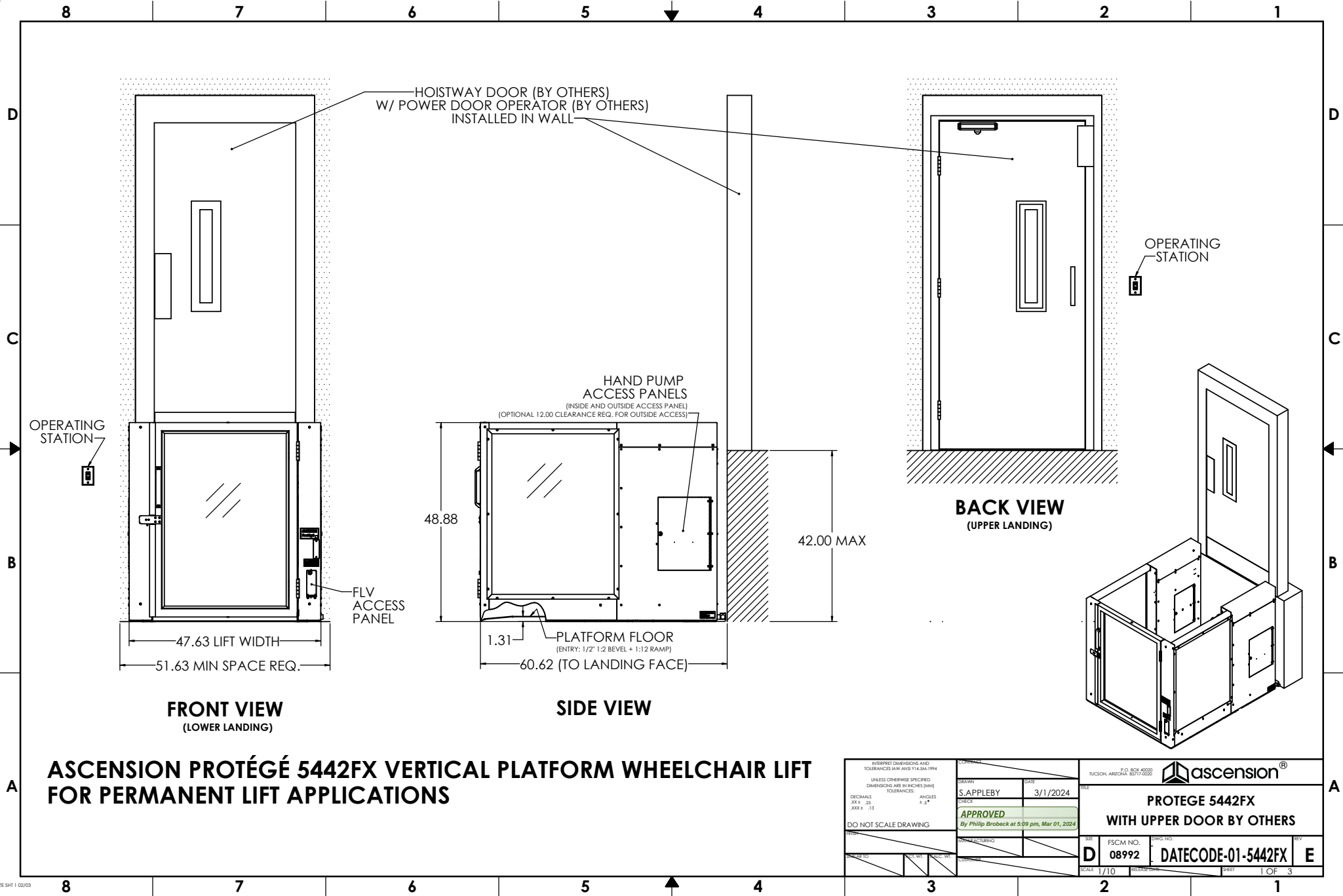
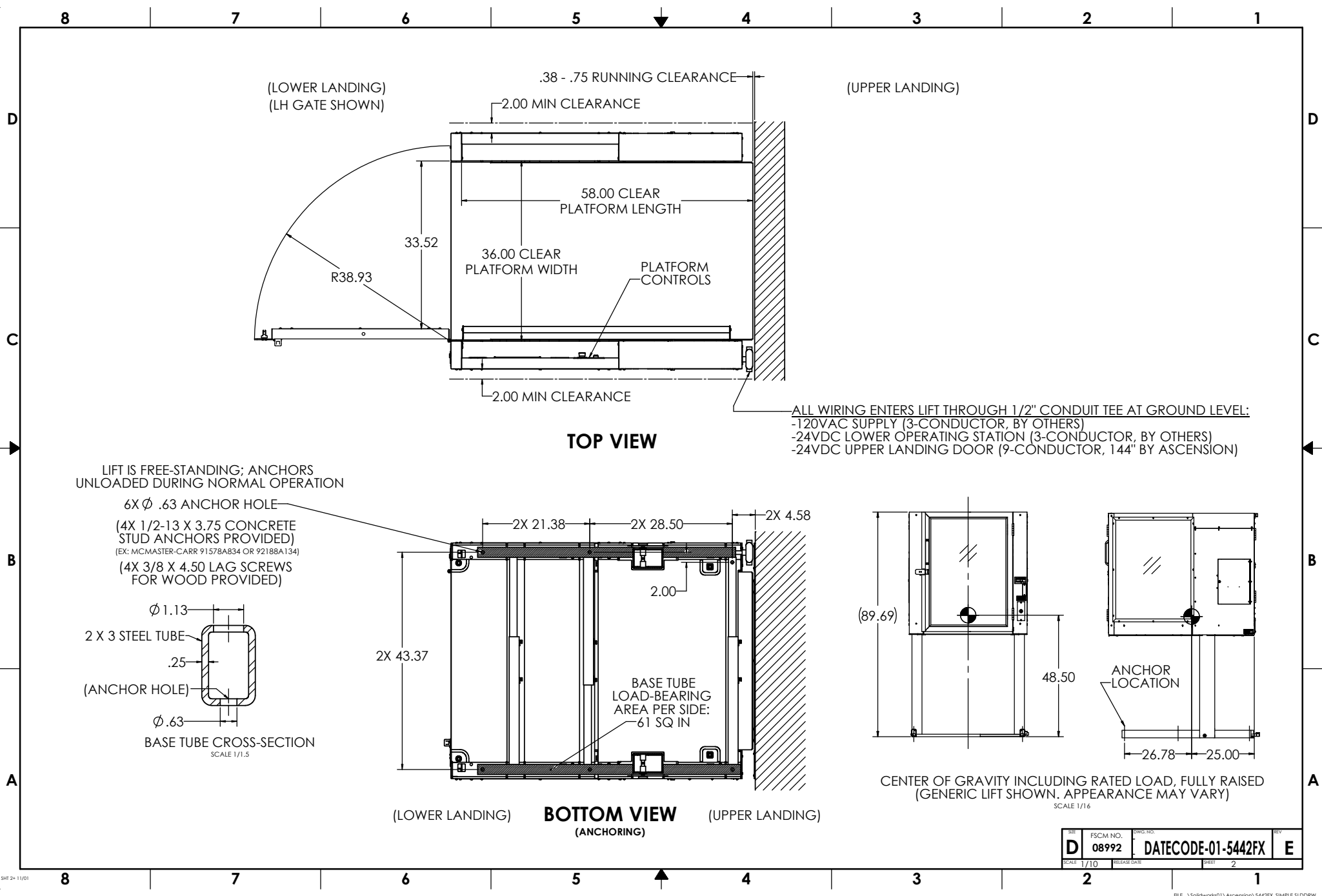


GENERIC DRAWING; CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS
SEE OTHER PROTEGE LIFT MODELS (5442FG, 5442F, ETC.) FOR OTHER GATE/DOOR OPTIONS (PLATFORM/LANDING MOUNT)
SEE OPTIONS BROCHURE AND/OR SHEET 3 FOR VARIOUS CONFIGURATION OPTIONS



INTERPRET DIMENSIONS AND TOLERANCES (AW AND Y14.5M-1994) UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (MM) TOLERANCES DECIMALS XXX.X - .25 XXX.X - .13		DRAWN S. APPLEBY	DATE 3/1/2024	P.O. BOX 4000 TUCSON, ARIZONA 85717-0000		ascension®	
DO NOT SCALE DRAWING		CHECK APPROVED By Philip Brobeck at 5:09 pm, Mar 01, 2024		PROTEGE 5442FX WITH UPPER DOOR BY OTHERS			
SCALE 1" = 10'		FSCM NO. 08992	DATECODE-01-5442FX	SHEET 1 OF 3		E	



REV	DATE	DESCRIPTION
D	08992	FSCM NO.
E	DATECODE-01-5442FX	REV
SCALE 1/10	RELEASE DATE	SHEET 2

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

COLOR	<input type="checkbox"/> BLACK <input type="checkbox"/> CUSTOM: _____
WINDOWS	PLEXIGLAS, CLEAR
OUTDOORS	YES/NO
PIT SWITCH	YES/NO
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 A18.1-2020
MODEL	PROTEGE 5442FX
UNIT WEIGHT	850 LB
RATED LOAD	900 LB
RATED SPEED	5 FT/MIN
DUTY CYCLE	S2: 20 MIN SINGLE RUN S3: 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 HSSL UPPER: (SEE DOORS BY OTHERS)
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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.

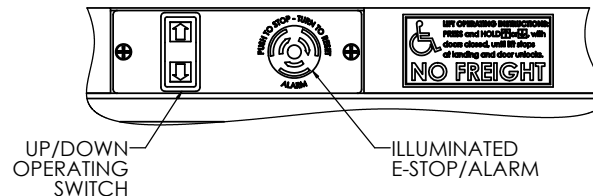
INSTALLATION FEATURES

TRANSPORTABILITY: DISPOSABLE CASTERS INCLUDED TO WHEEL LIFT TO PERMANENT INSTALL LOCATION.

COMPRESSIBILITY: LIFT COMPRESSIBLE TO 33" TO FIT THROUGH DOORWAYS.

PLATFORM CONTROLS

SCALE 1:1.5



REV	D	FSCM NO.	08992	DWG. NO.	DATECODE-01-5442FX	REV	E
SCALE	1/10	RELEASED		SHEET	3		

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ZONELITEREVISIONSDESCRIPTIONDATEAPPROVED

1. DESCRIPTION:
SPECIFICATIONS FOR DOOR AND INTERLOCK (BY OTHERS) FOR USE 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:
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)

RECOMMENDED INTERLOCK MODELS:

- IDEC HS5L (HS5L-XD44M-G OR SIMILAR)
 - AVAILABLE FROM ASCENSION
- ATLAS ATLOCK (ATLOCK-LP5 (LH), ATLOCK-RP5 (RH), OR SIMILAR)
- HONEYWELL CDI (CDILBP1W (LH), CDIRBP1W (RH), OR SIMILAR)

4. RECOMMENDED HOISTWAY DOOR MANUFACTURER & MODEL:
BELCO DOORS
P/N: COM-316 (CONTACT BELCO DOORS OR ASCENSION FOR SPEC DRAWING)

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.

SPECIFICATIONS FOR DOORS BY OTHERS
(FOR USE WITH ASCENSION LIFTS)

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

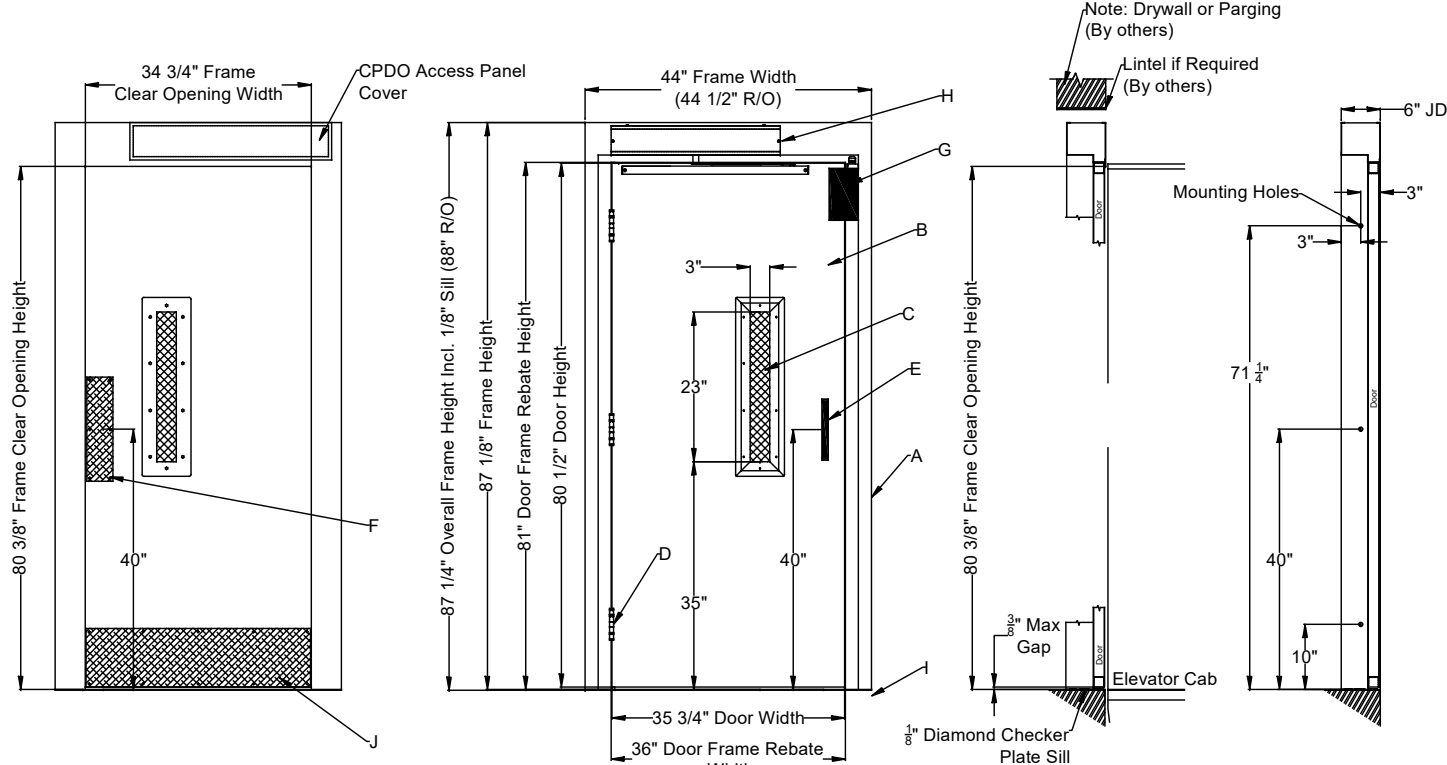
INTERPRET DIMENSIONS AND TOLERANCES (AW AND S114.5A-1994) UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES				DATE 11-8-22		P.O. BOX 40020 TUCSON, ARIZONA 85711-0020		ascension®	
DRAWN S. APPLEBY				CHECK By Philip Brobeck at 12:00 pm, Nov 21, 2022		SPECIFICATIONS FOR DOORS BY OTHERS		REV	
DO NOT SCALE DRAWING				APPROVED		FSCM NO. 08992		DWG. NO. 16S DOOR	
PART DASH NO.				NEXT ASSY		SCALE 1/8"		SHEET 1 OF 1	
APPLICATION				REVISIONS		RELEASE DATE		REV	

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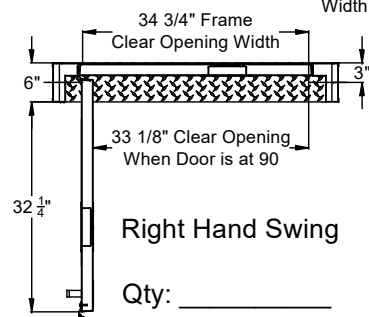
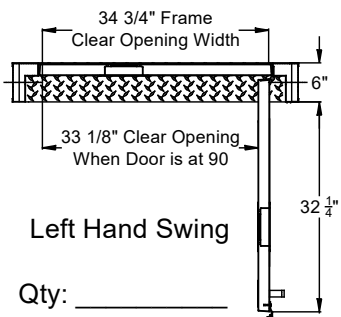
FILE: \\Solidworks01\\Ascension\\16S DOOR.SLDRAW

BELCO DOORS COM-316 ORDER FORM

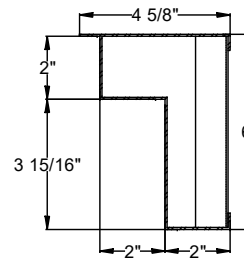


1-1/2 Hour Elevator Approved "B" Fire Label

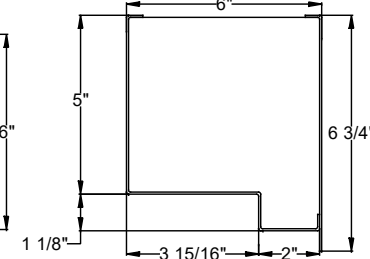
- A. 16ga. Frame (Galvanneal & Paint Ready)
- B. 18ga. Steel Door (Honeycomb Core, Galvanneal & Paint Ready)
- C. 3" x 23" Vision Panel (1/4" Wired Glass)
- D. (3) 4 1/2" NRP BB Hinges (US26D Finish)
- E. D-Handle (Brushed Aluminum)
- F. Push Plate (Brushed Aluminum)
- G. EMI Interlock (Atlas Atlock)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



Side Jamb Profile



Head Jamb Profile

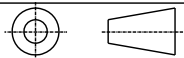


Standard Entrances are provided with a Manual Door Closer, if Power Door Operation is Required - Please Check Box Below

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

4

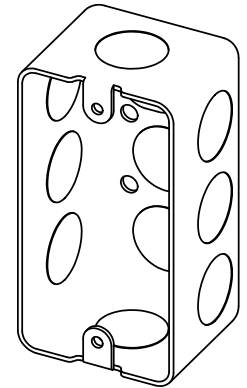
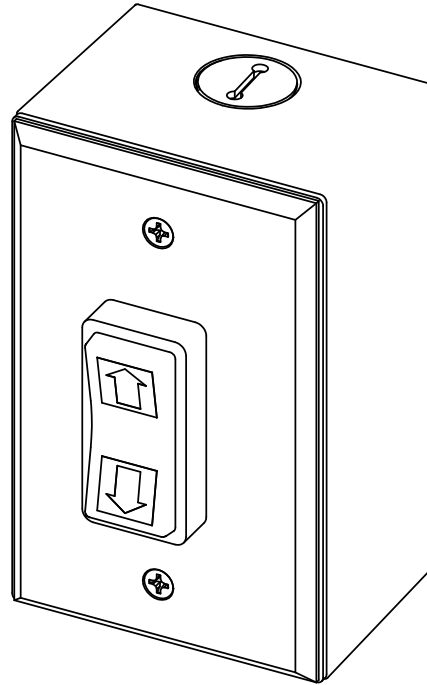
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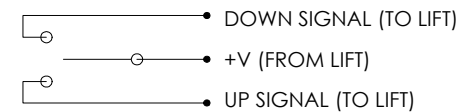
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NOTES UNLESS OTHERWISE SPECIFIED:

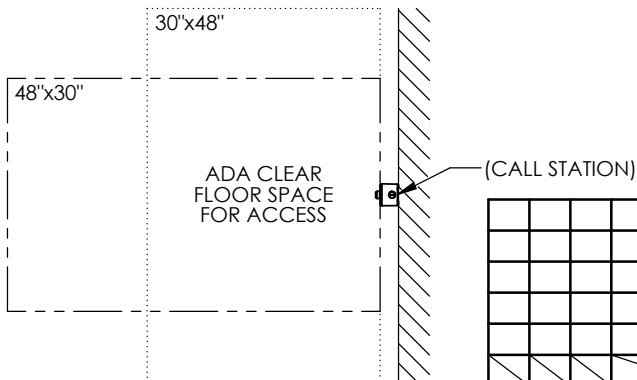
1. DESCRIPTION: REMOTELY LOCATED CALL STATION FOR ASCENSION VERTICAL PLATFORM WHEELCHAIR LIFT.
2. CHARACTERISTICS:
 - 2.1 COVER PLATE: STANDARD SIZE WALL PLATE (4.5" X 2.75"), BRUSHED STAINLESS STEEL.
 - 2.2 SWITCH: 3 POSITION ROCKER, REQUIRES CONSTANT PRESSURE TO ACTUATE.
 - 2.3 MOUNTING BOX: SURFACE MOUNT SINGLE GANG HANDY BOX, 2.00" DEEP.
 - 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.COVER PLATE COMPATIBLE WITH
1-GANG BOX FOR FLUSH WALL MOUNT
(BOX SHOWN NOT PROVIDED)

WIRING:



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



				INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994				CONTRACT NO.				aGM CONTAINER CONTROLS, INC.			
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				DRAWN S.APPLEBY				P.O. BOX 40020 - TUCSON, ARIZONA 85717-0020			
				TOLERANCES:				CHECK				DATE 9-16-22			
				DECIMALS .XX ± N/A .XXX ± N/A				APPROVED				TITLE OPERATING STATION (CALL BOX) WALL MOUNTED			
				ANGLES ± N/A				By Philip Brobeck at 12:47 pm, Oct 04, 2022				FSCM NO. 08992			
				DO NOT SCALE DRAWING				MANUFACTURING				DWG. NO. 115712			
				FINISH				CUSTOMER				REV. D			
PART DASH NO.				QTY. REQ'D PER ASSY.				APPLICATION				SCALE 1/1			
NEXT FINAL				NEXT ASSY.				USED ON				RELEASE DATE			
												SHEET 1 OF 1			

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NOTES UNLESS OTHERWISE SPECIFIED:

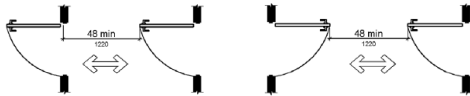
1. THIS DOCUMENT IS INTENDED TO ASSIST IN SITE PLANNING TO ENSURE REQUIRED CLEARANCES FOR LIFT AND REQUIRED ADA ENTRY CLEARANCES ARE PROVIDED.

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).

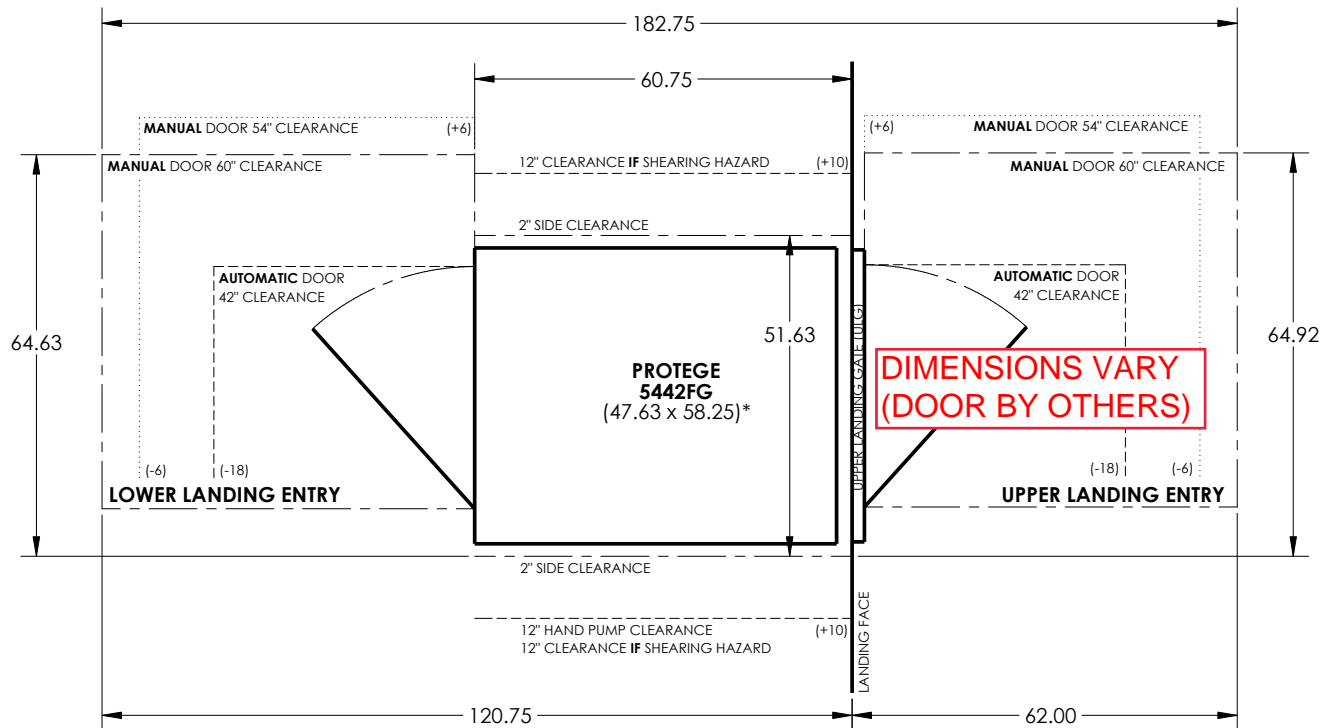


4. HAND PUMP CLEARANCE OPTIONAL. (MANUAL LOWERING PROVIDED BY FLV).

5. 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).

6. REQUIRES OVERHEAD CLEARANCE OF 80" ABOVE PLATFORM FLOOR AT UPPER LANDING.

REVISIONS				
ZONE	LTR.	DESCRIPTION	DATE	APPROVAL



*AUTOMATIC DOOR OPERATORS INCREASE OVERALL LIFT/ULG WIDTH (AND REQUIRED WIDTH CLEARANCE) BY 0.69"

INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994					CONTRACT NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					DRAWN S.APPLEBY				
TOLERANCES:					DATE 2-29-24				
DECIMALS .XX ± N/A .XXX ± N/A					CHECK				
ANGLES ± N/A					APPROVED				
DO NOT SCALE DRAWING					By Philip Brobeck at 3:24 pm, Feb 29, 2024				
FINISH					MANUFACTURING				
PART DASH NO.					CUSTOMER				
QTY. REQ'D PER ASSY.					SIMILAR TO				
APPLICATION					ACT. WT.				
					CALC. WT.				

aGM CONTAINER CONTROLS, INC.									
P.O. BOX 40020 - TUCSON, ARIZONA 85717-0020									
TITLE REQUIRED CLEARANCES FOR PROTEGE 5442FG									
SIZE B	FSCM NO. 08992	DWG. NO. PROTEGE 5442FG CLEARANCES	REV. A						
SCALE 1/20	RELEASE DATE	SHEET 1 OF 1							

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