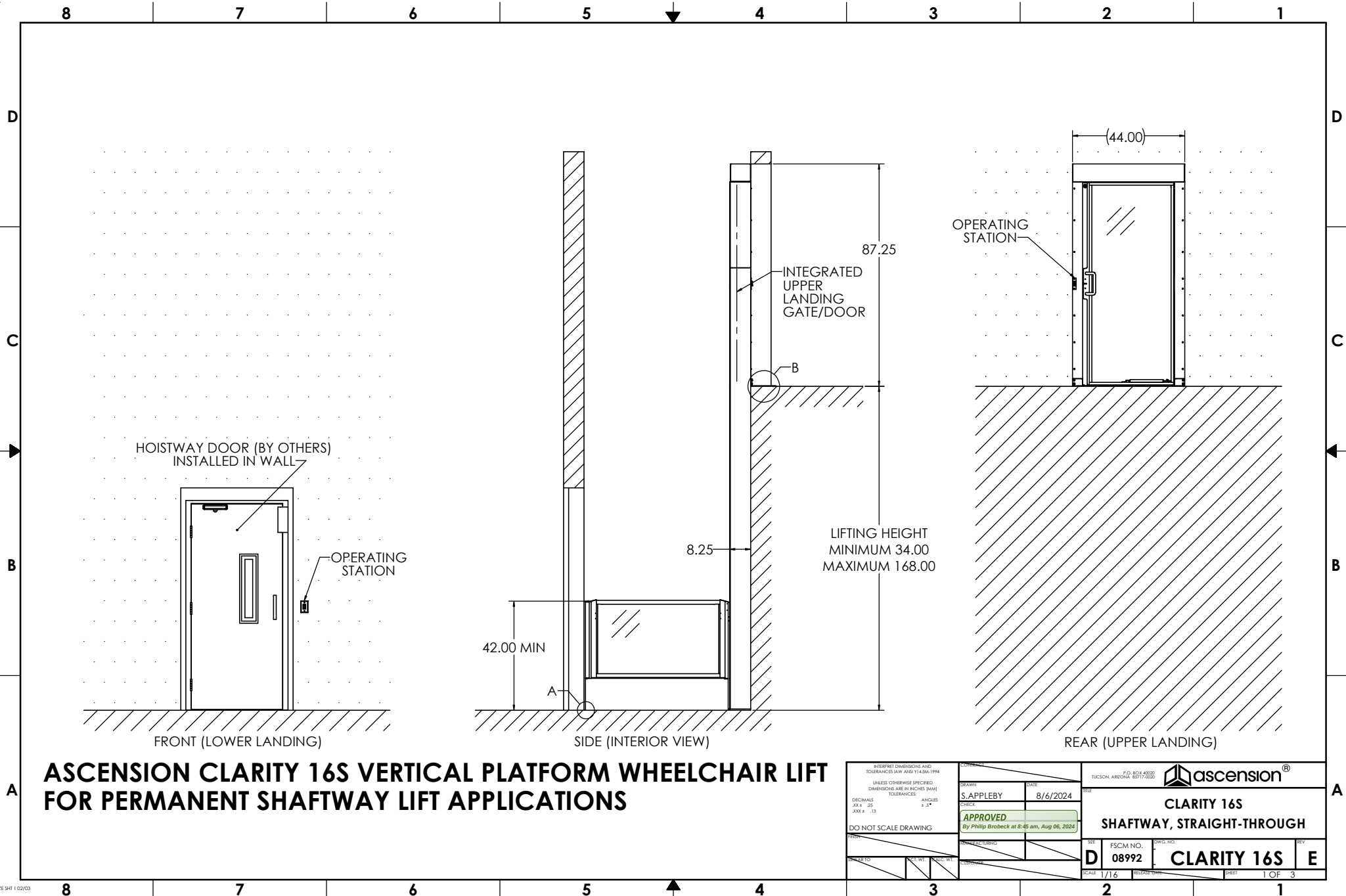
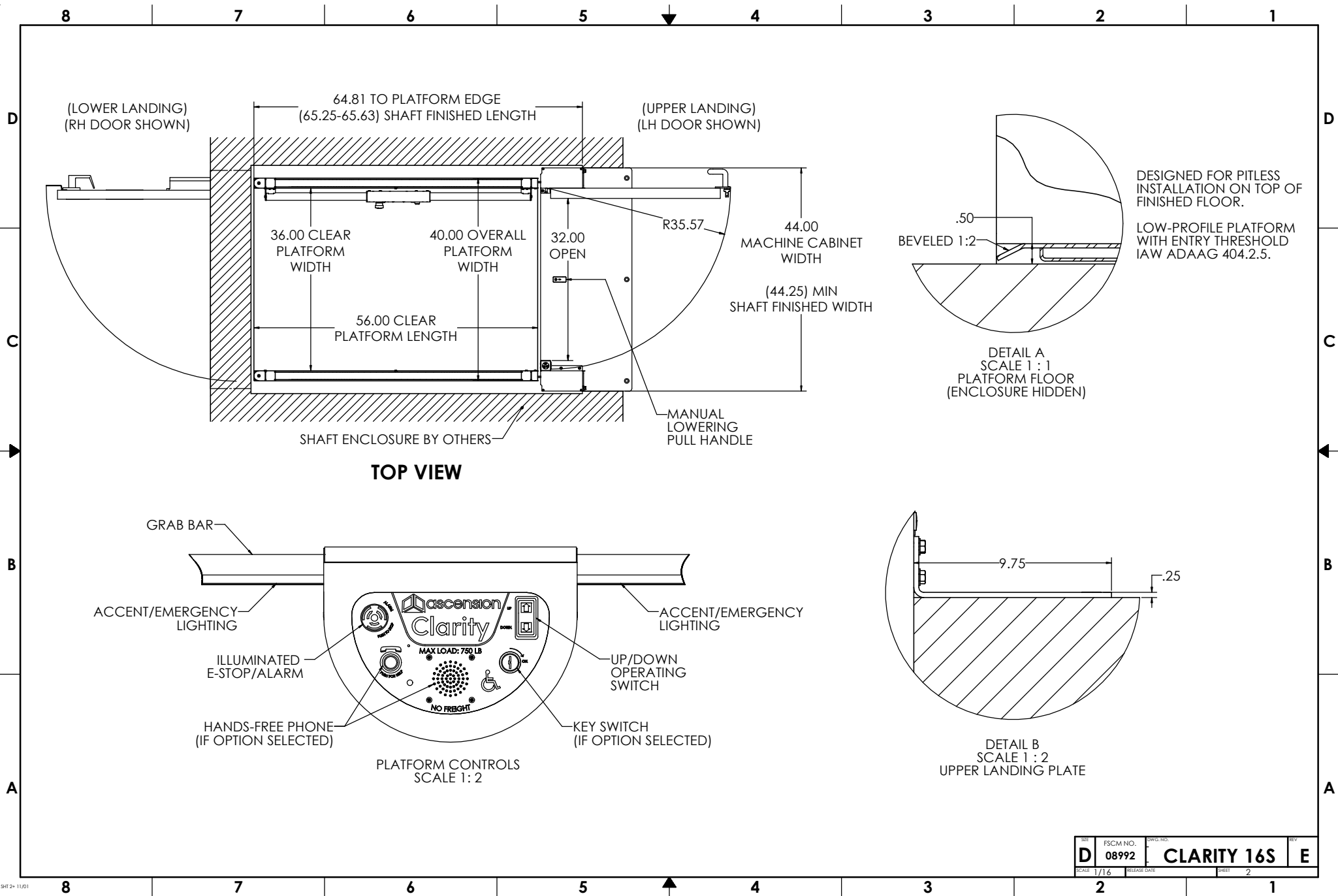


GENERIC DRAWING; CONTACT ASCENSION FOR PROJECT-SPECIFIC DRAWINGS
SEE OTHER CLARITY LIFT MODELS (16C, 16D, 16E, ETC.) FOR OTHER ENTRY/EXIT AND ENCLOSED/SHAFTWAY OPTIONS
SEE OPTIONS BROCHURE AND/OR SHEET 3 FOR VARIOUS CONFIGURATION OPTIONS



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

INTERPRET DIMENSIONS AND TOLERANCES (ASME Y14.5M-1994) UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (MM) TOLERANCES: DECIMALS .005 FRACTIONS 1/32 ANGLES .5°		DRAWN: S. APPLEBY CHECK: [Signature] DATE: 8/6/2024 APPROVED: [Signature] By Philip Brobeck at 8:45 am, Aug 06, 2024		TUCSON, ARIZONA 85717-0001 P.O. BOX 40000 ascension®	
DO NOT SCALE DRAWING		CLARITY 16S SHAFTWAY, STRAIGHT-THROUGH		FSCM NO. 08992 DWG. NO. CLARITY 16S	
SCALE: 1/16"		SHEET 1 OF 3		E	



REV	PSCM NO.	DWG. NO.	REV
D	08992	CLARITY 16S	E
SCALE 1/16	RELEASE DATE	SHEET 2	

CONFIGURATION

TOTAL TRAVEL	34" TO 168"
ENTRY/EXIT CONFIG.	STRAIGHT THROUGH
ENCLOSURE PROVIDED	NONE (BY OTHERS)

CLARITY LOADING - OPPOSING ENTRY & EXIT (16E, 16S)

(GENERIC APPLICATION DEPICTED; ENCLOSURE NOT SHOWN)

MACHINE CABINET ANCHORS

ANCHORING REQUIREMENT	ANCHOR LOCATION* (±.38) [IN]	# OF ANCHORS	TYPE (NEXT SHEETS)	APPLICABILITY
ANCHOR AT ONE OF TOP LOCATIONS.	UPPER F.F.	3	A	CONCRETE LANDING
	1" BELOW	6	B	WOOD LANDING
OPTIONAL (USE OF OPTIONAL ANCHORS RECOMMENDED FOR MAXIMUM RIGIDITY)	145.50	2	C	TRAVEL > 148.5"
	121.50			TRAVEL > 124.5"
	97.50			TRAVEL > 100.5"
	73.50			TRAVEL > 76.5"
	49.50			TRAVEL > 52.5"
	25.50			ALL LIFTS
ANCHOR AT ONE OF BOTTOM LOCATIONS	6.00	2	C	ALL LIFTS
	LOWER F.F.	2	D	H.L. PKG ONLY

ENCLOSURE ANCHORS (16E MODEL ONLY)

REQUIRED IF PRESENT	LOWER F.F.	2	F	16E ONLY
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* ACTUAL LOCATIONS OF WALL ANCHORS MAY VARY AS MUCH AS ±3/8" FROM VALUES GIVEN ABOVE. MOUNTING STRUCTURE MUST BE ABLE TO ACCOMMODATE THIS VARIABILITY.

MAX LOAD PER ANCHOR BY TRAVEL HEIGHT [LBF]**

		ANCHOR TYPE (SEE TABLE ABOVE)					MAX TOTAL HORIZONTAL LOAD [LBF]** (FORCE ON STRUCTURE)
		A	B	C	D	F	
TRAVEL	34.0 – 52.5	623	SPECIAL†	970	793	200	2050
	52.5 – 76.5	375	192	575	508	200	1275
	76.5 – 100.5	248	126	377	347	200	875
	100.5 – 124.5	185	93	280	263	200	700
	124.5 – 148.5	147	74	223	212	200	575
	148.5 – 168.0	123	62	185	178	200	500

** LOADS LISTED ASSUME STATIC LOADING AND DO NOT INCLUDE WIND, SEISMIC, OR SAFETY FACTOR.

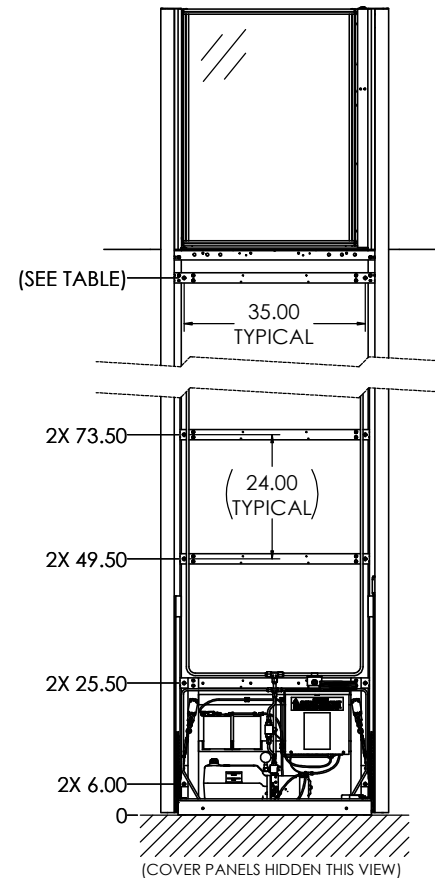
† WHEN USED, REQUIRES 6X TYPE B ANCHORS WITH 289 LBF MAX LOAD, 2X TYPE C ANCHORS AT 49.50 LOCATION WITH 189 LBF MAX LOAD, AND ANCHORING AT ONE OF THE BOTTOM LOCATIONS.

ADDITIONAL NOTES:

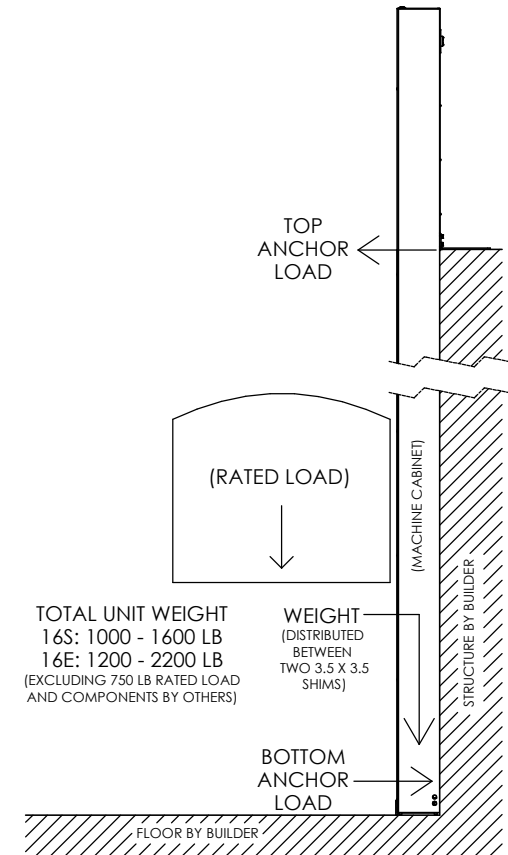
- ANCHORS PROVIDED BY ASCENSION FOR COMMON MOUNTING APPLICATIONS. PROJECT STRUCTURAL ENGINEER RESPONSIBLE FOR EVALUATING SITE-SPECIFIC STRUCTURAL CONSIDERATIONS AND FINAL ANCHOR SELECTION.

STAINLESS-STEEL CONCRETE ANCHORS PROVIDED FOR OUTDOOR APPLICATIONS.

FRONT VIEW ANCHOR LOCATIONS (TYPE C)



SIDE VIEW



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

WEIGHT
(DISTRIBUTED
BETWEEN
TWO 3.5 X 3.5
SHIMS)

BOTTOM
ANCHOR
LOAD

FLOOR BY BUILDER

(MACHINE CABINET)
STRUCTURE BY BUILDER

INTERPRET DIMENSIONS AND TOLERANCES (AW AND Y14.5M-1994) UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (MM) TOLERANCES DECIMALS XXX.X - .010 XXX.X - .010		DATE 7-20-26	SCALE 1/12	RELEASED 1 OF 3
DO NOT SCALE DRAWING.		APPROVED By SAppleby at 12:05 pm, Jul 21, 2026	FSCM NO. 08992	BWG. NO. CLARITY LOADING
TACSON, ARIZONA 85717-0000		ascension®		
CLARITY LOADING STRAIGHT THROUGH		CLARITY LOADING		

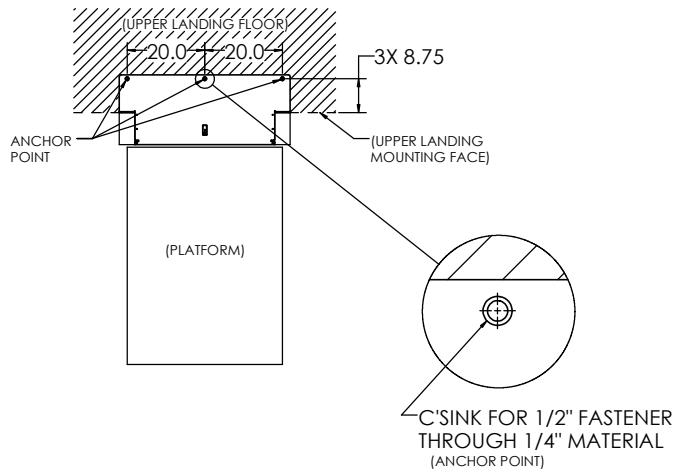
ANCHOR LOCATION TYPE: A

ANCHORS PROVIDED - FOR CONCRETE LANDINGS ONLY:

3X 1/2" X 2" DROP-IN CONCRETE ANCHORS, 1/2-13 INTERNAL THREAD
(EX: SIMPSON STRONG-TIE P/N DIAB50, DIA506SS, OR DIA50SS)

3X 1/2-13 X 1" FLAT HEAD SCREWS

(FILLERS FOR ANCHOR HOLES PROVIDED FOR WOOD LANDINGS)



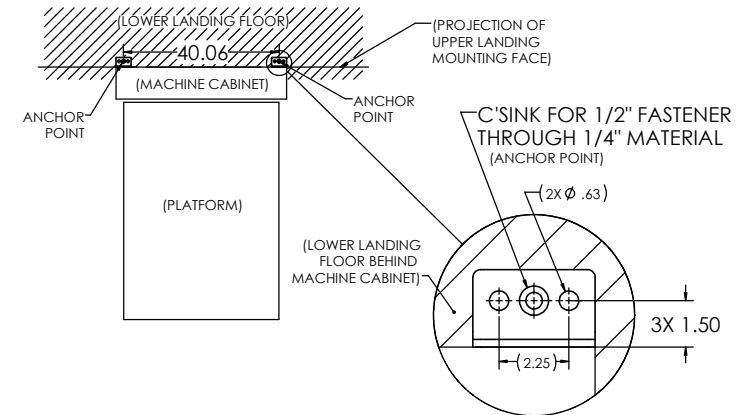
ANCHOR LOCATION TYPE: D

(HOLLOW LANDING PACKAGE [H.L. 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



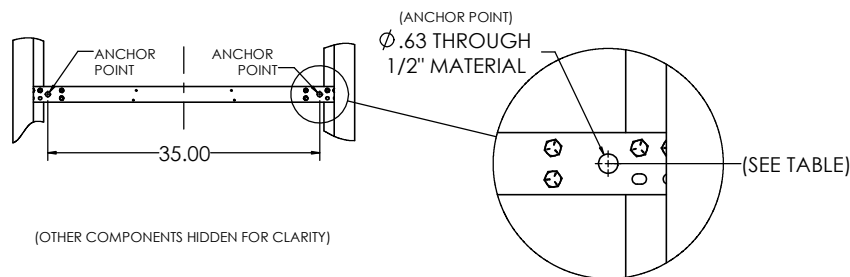
ANCHOR LOCATION TYPE: C

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: F

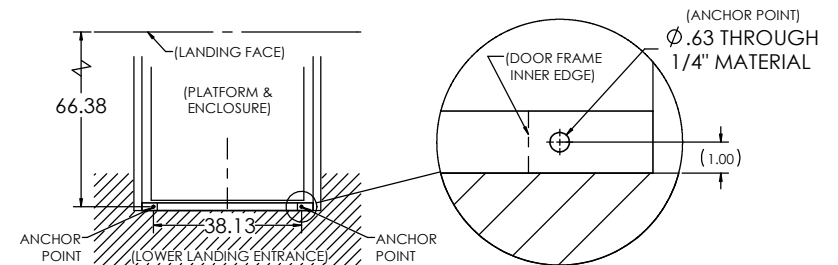
(CLARITY 16E ONLY)

ANCHORS PROVIDED - FOR CONCRETE OR WOOD FLOOR:

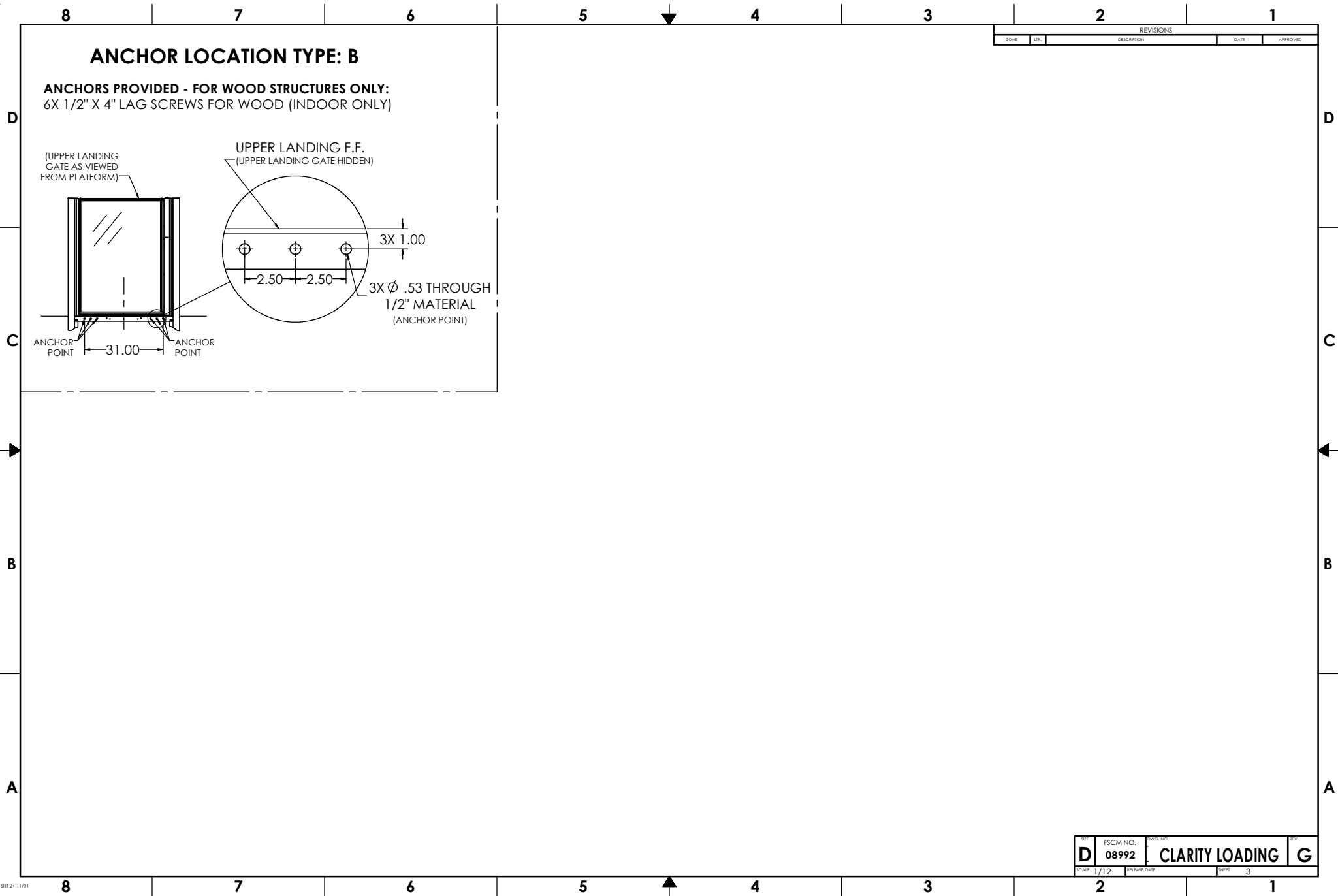
2X 1/2" X 2" DROP-IN CONCRETE ANCHORS, 1/2-13 INTERNAL THREAD
(EX: SIMPSON STRONG-TIE P/N DIAB50, DIA506SS, OR DIA50SS)

2X 1/2-13 X 1" SCREWS

2X 1/2" X 4" LAG SCREWS FOR WOOD (INDOOR ONLY)



REV	FSCM NO.	DWG. NO.	REV
D	08992	CLARITY LOADING	G
SCALE	1/12	RELEASE DATE	SHEET 2



REVISIONS			
ZONE	DATE	DESCRIPTION	APPROVED

SET	FSCM NO.	DWG. NO.	REV
D	08992	CLARITY LOADING	G
SCALE	1/12	RELEASE DATE	SHEET 3

4

3

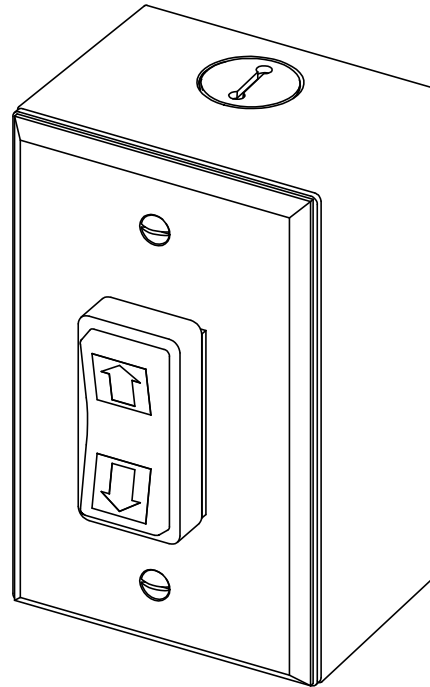
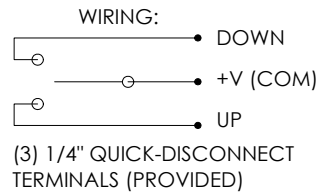
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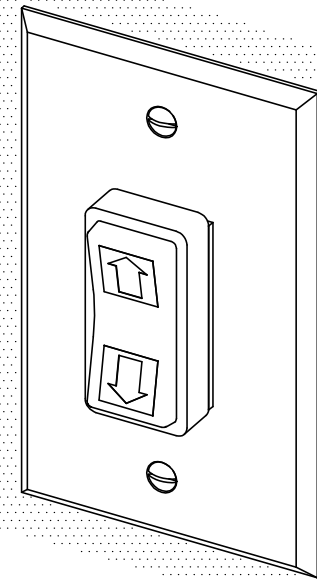
NOTES UNLESS OTHERWISE SPECIFIED:

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.

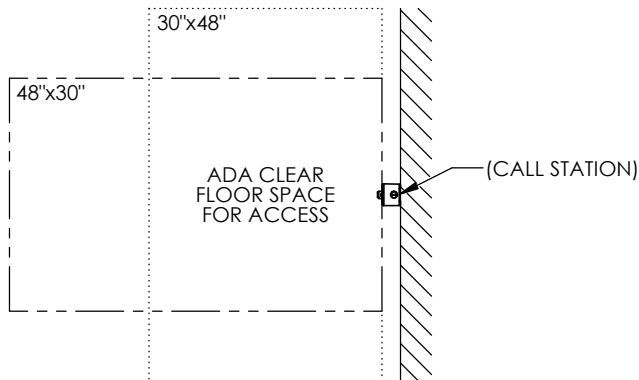


SURFACE MOUNT



FLUSH MOUNT

(PLATE COMPATIBLE WITH PREINSTALLED 1-GANG BOX)



INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994		CONTRACT NO.		P.O. BOX 40020 TUCSON, ARIZONA 85717-0020	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (MM)		DRAWN S. APPLEBY		DATE 12-4-24	
TOLERANCES:		CHECK APPROVED		TITLE OPERATING STATION (CALL BOX) WALL MOUNTED	
DECIMALS .XX ± N/A .XXX ± N/A		ANGLES ± N/A		By CWillis at 10:06 am, Dec 05, 2024	
DO NOT SCALE DRAWING		MANUFACTURING		DWG. NO. 115712	
FINISH		CUSTOMER		REV. E	
SIMILAR TO		ACT. WT.		SCALE 1/1	
CALC. WT.		RELEASE DATE		SHEET 1 OF 1	

4

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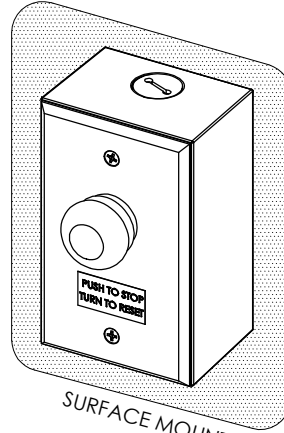
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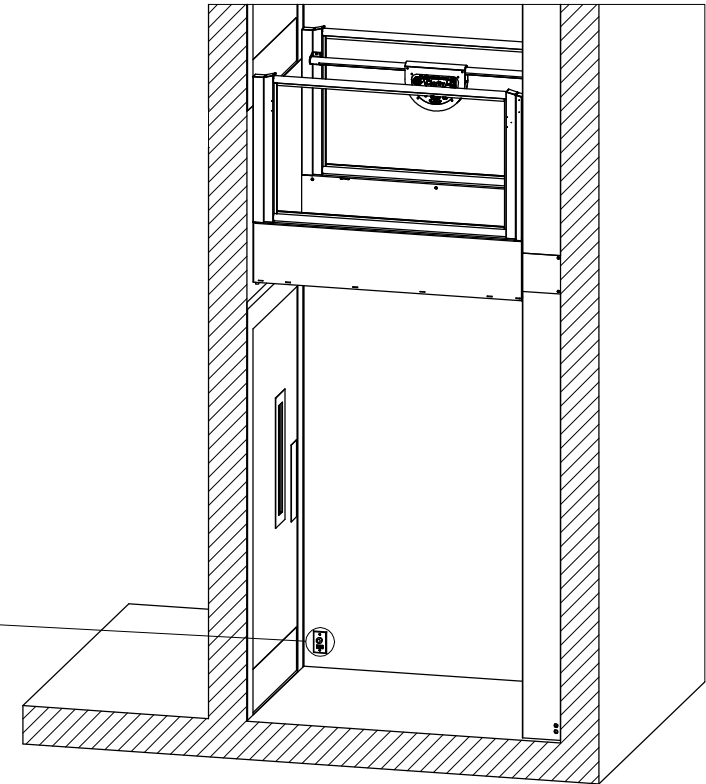
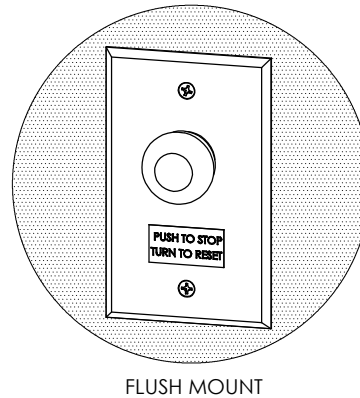
1

NOTES UNLESS OTHERWISE SPECIFIED:

1. DESCRIPTION: SHAFTWAY/PIT STOP SWITCH FOR DISABLING CLARITY VERTICAL WHEELCHAIR LIFT WHEN SERVICING BENEATH PLATFORM. SUITABLE FOR FLUSH OR SURFACE WALL MOUNT.
2. CHARACTERISTICS:
 - 2.1 COVER PLATE: STANDARD SIZE WALL PLATE (4.5" x 2.75"), BRUSHED STAINLESS STEEL
 - 2.2 SWITCH: PUSHLOCK EMERGENCY STOP MECHANISM, PULL OR TWIST TO RELEASE
 - 2.3 WEATHER RATING: SUITABLE FOR OUTDOOR USE
3. MOUNTING BOX INSTALLATION DETAILS:
 - 3.1 INSTALL WITH PROVIDED SURFACE-MOUNT SINGLE GANG BOX, OR REMOVE FACE PLATE FOR USE WITH PREINSTALLED FLUSH MOUNT 1-GANG BOX. SURFACE MOUNT BOX REQUIRES WIDER SHAFT WITH 3.25" MIN SIDE CLEARANCE.
 - 3.2 PIT SWITCH MUST BE INSTALLED INSIDE SHAFTWAY AND ACCESSIBLE FROM LOWER LANDING ENTRANCE IAW ASME 18.1
 - 3.3 STOP SWITCH TO BE WIRED TO LOWER DOOR INTERLOCK (STRIKE SIDE). 96" OF 2-CONDUCTOR CABLE INCLUDED.



OR



INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1994

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (MM) TOLERANCES:

DECIMALS .XX ± .XXX ± ANGLES ±

DO NOT SCALE DRAWING

FINISH

SIMILAR TO ACT. WT. CALC. WT.

CONTRACT NO.

DRAWN A.SZWAYKOWSKI DATE 11-16-23

CHECK APPROVED By SAppleby at 7:01 am, Jun 09, 2026

MANUFACTURING

CUSTOMER

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

ascension®

TITLE SHAFTWAY PIT SWITCH, REMOTE MOUNTED

SIZE B FSCM NO. 08992 DWG. NO. 117534 REV. B

SCALE 1/1 RELEASE DATE SHEET 1 OF

4

3

2

1

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:

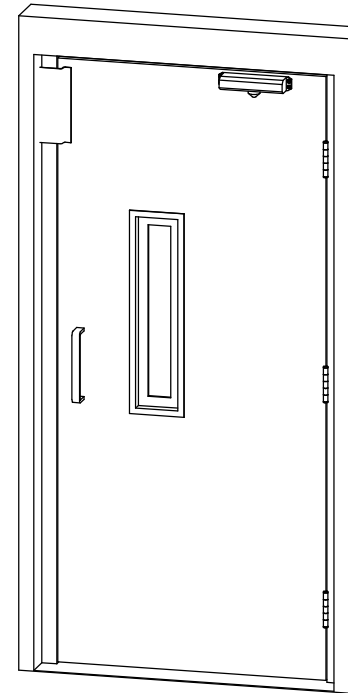
- "RH" OR "LH" HANDING
- CONCEALED POWER DOOR OPERATOR (PDO)
- OUTDOOR WEATHER PACKAGE

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

WALL-MOUNT DOOR SPECIFICATIONS

FOR DOORS TO BE USED WITH ASCENSION LIFTS

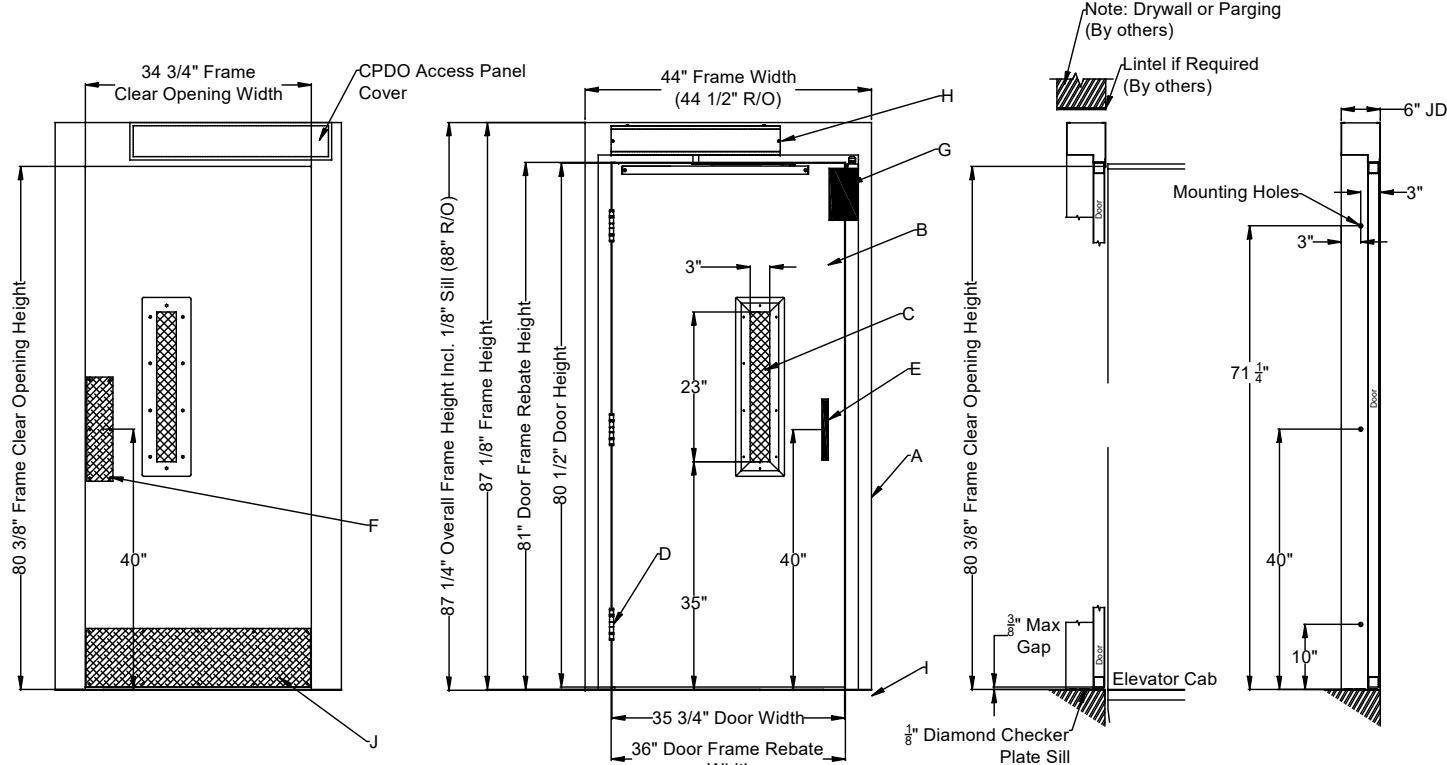
(RECOMMENDED DOOR MODEL **OPTIONALLY** PROVIDED WITH LIFT; SEE QUOTE)



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

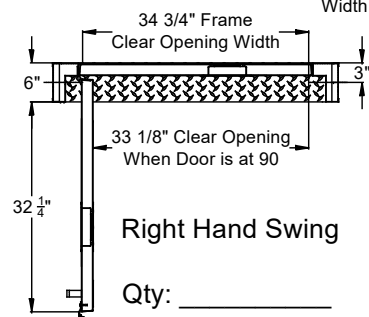
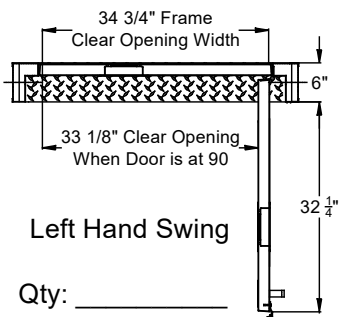
INTERPRET DIMENSIONS AND TOLERANCES (AW AND Y14.5M-1994) UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (MM) TOLERANCES DECIMALS FRACTIONS ANGLES Holes & N/A		DATE 12-30-25 S. APPLEBY CHECK APPROVED By CWillis at 12:45 pm, Jan 06, 2026	P.O. BOX 4000 TUCSON, ARIZONA 85717-0000 ascension®	
DO NOT SCALE DRAWING		WALL-MOUNT DOOR SPECIFICATIONS		
SCALE 1/8"		FSCM NO. 08992	DWG. NO. 16S DOOR	REV C

BELCO DOORS COM-316 ORDER FORM

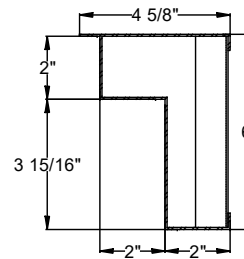


1-1/2 Hour Elevator Approved "B" Fire Label

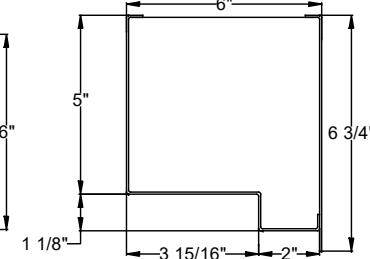
- A. 16ga. Frame (Galvanneal & Paint Ready)
- B. 18ga. Steel Door (Honeycomb Core, Galvanneal & Paint Ready)
- C. 3" x 23" Vision Panel (1/4" Wired Glass)
- D. (3) 4 1/2" NRP BB Hinges (US26D Finish)
- E. D-Handle (Brushed Aluminum)
- F. Push Plate (Brushed Aluminum)
- G. EMI Interlock (Atlas Atlock)
- 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

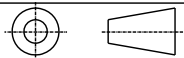


Standard Entrances are provided with a Manual Door Closer, if Power Door Operation is Required - Please Check Box Below

☐ 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