

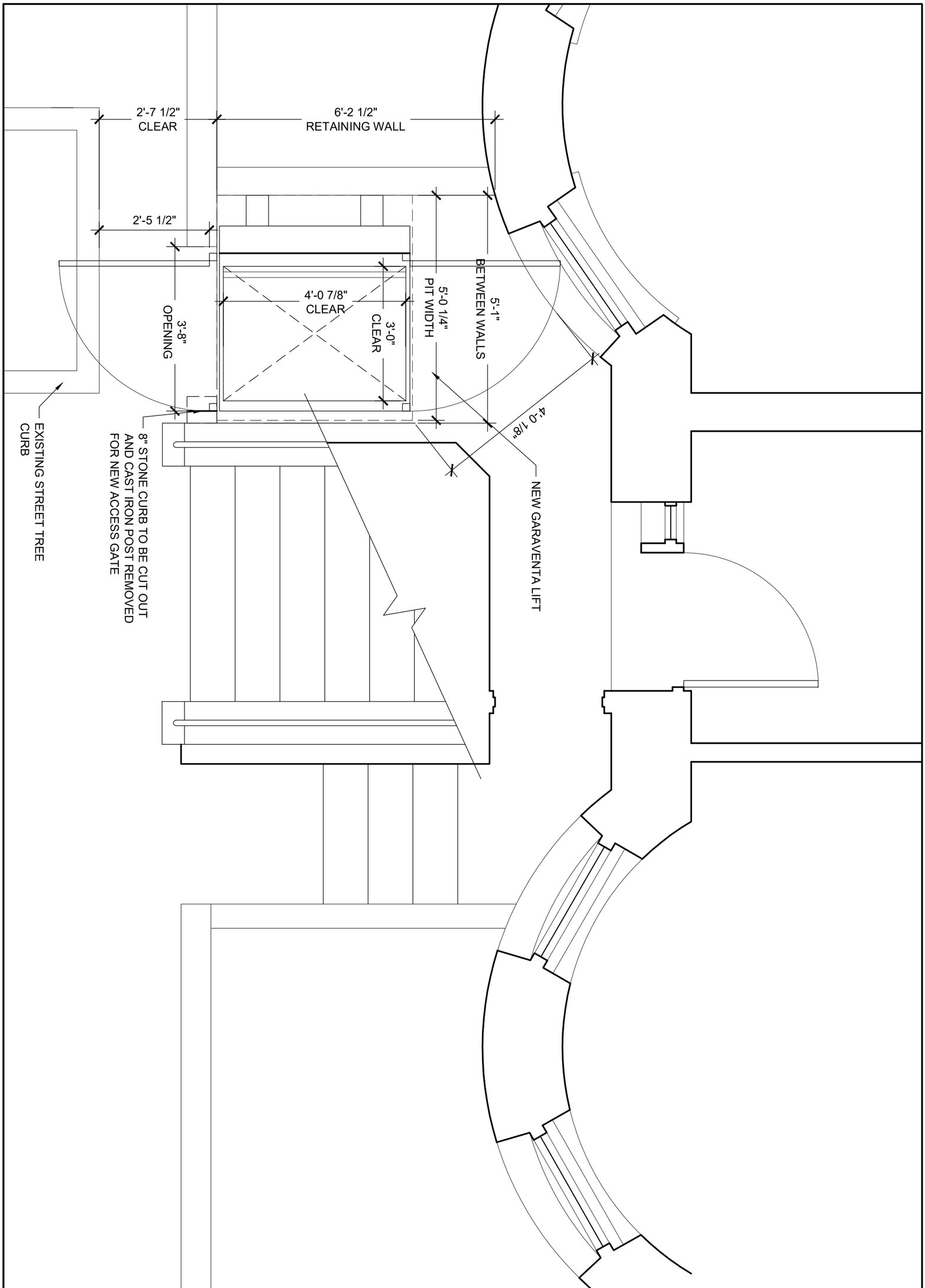

Photos 1 and 2: Existing Lift proposed to be replaced as it is beyond repair. View showing existing curb, fence, lift and extant stair.

40 UPTON STREET
EXISTING CONDITIONS PHOTOGRAPHS
FRONT ENTRY LIFT AND FENCE
5/11/26



Photo 3: Existing Lift and existing conditions at either side of extant stair: while there is a post and curb to the left of the stairs adjacent to lift, there is no corresponding post and curb at the right side of the stairs.

40 UPTON STREET
EXISTING CONDITIONS PHOTOGRAPHS
FRONT ENTRY LIFT AND FENCE
5/11/26



Drawing No. A300

Designed	AR
Checked	KV
Project No.	2026005
Scale	1/2" = 1'-0"
Date	05/11/2026

DAVIS SQUARE ARCHITECTS
240A Elm St, Somerville, MA 02144
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Project
RENOVATIONS TO
40 UPTON ST
40 UPTON STREET, BOSTON MA 02118

Title
NEW LIFT LAYOUT

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GENESIS OPAL LIFT:

Code Reference:	ASME A18.1–2014 "Safety Standard for Platforms Lifts & Stairway Chairlifts", or California Title 8.
General:	Color – Standard (Silver Moon powdered aluminium extrusions with 16 ga. galvanized steel panels powder coated Silver Moon) Outoor Unit – Pit Mount Number of Stops – Two Stop Unit
Drive Mast	Model – GVL–OP–42 HPU – JANOX Chain Hydraulic drive system c/w Continuous Mains Power with Auxiliary Battery Power System, Platform Emergency Lowering (shipped loose), Shoring Pin, & Pressure Gauge Motor – 2.2 kW, (3.00 HP), 24 VDC Travel Speed – 340 kg @ 5.2 m/min [750 lb @ 17 ft/min] Power Supply – 120 VAC, single phase, 60 Hz, on a dedicated 15 amp. circuit Equipped with – Electrical Disconnect (shipped loose), Oil Recovery System
Controls:	Platform Controls – Push–Button (Tactile) Type c/w Illuminated Directional Buttons and Illuminated Round (push/pull) Emergency Stop Switch/Audible Alarm Lower Landing Call Station – Push Button (Tactile) Wall Mount Upper Landing Call Station – Push–Button (Tactile) Frame Mount
Platform:	Size – Standard c/w under platform obstruction sensing plate, tubular grab rail and 43 1/4" high walls. Side walls have 16 Ga galvanized steel sheet infill panels Configuration – Straight Through (180°) Exit/Entry Capacity – Maximum 340 kg [750 lb] operating load Equipped with – Outdoor Auto–Dialer Phone, Platform Courtesy Lights
Door/Gates:	Lower – 36" wide Steel Platform Gate c/w WR500 Interlock (Euchner – Model STA3A–2131BO24M) & Omaha Gate Stop Upper – 36" wide Steel Upper Gate c/w WR500 Interlock (Euchner – Model STA3A–2131BO24M) & Omaha Gate Stop NOTE: Factory Pre–Wire for future Garaventa PDO's at all Landings.
Opal:	Total Unit Weight – Approximately 500 lb [227 kg] MAXIMUM Lifting Ht. (H1) – 42" lower floor to upper floor plus 3" pit depth Note: Installer can reduce the lifting height as required during installation. Equipped with – Service Bypass Key Kit, Anchor & Shim Kit, Mast Support Tower

A	INITIAL RELEASE			UNITS: INCHES	APR/14/26	AU	
REV.	SCALE: 1:20	TOLERANCES: DIMENSIONAL ±1/32	ANGULAR ±0.5°	PROJECTION:	DATE	DRN.BY	CHK.BY

GARAVENTA LIFT

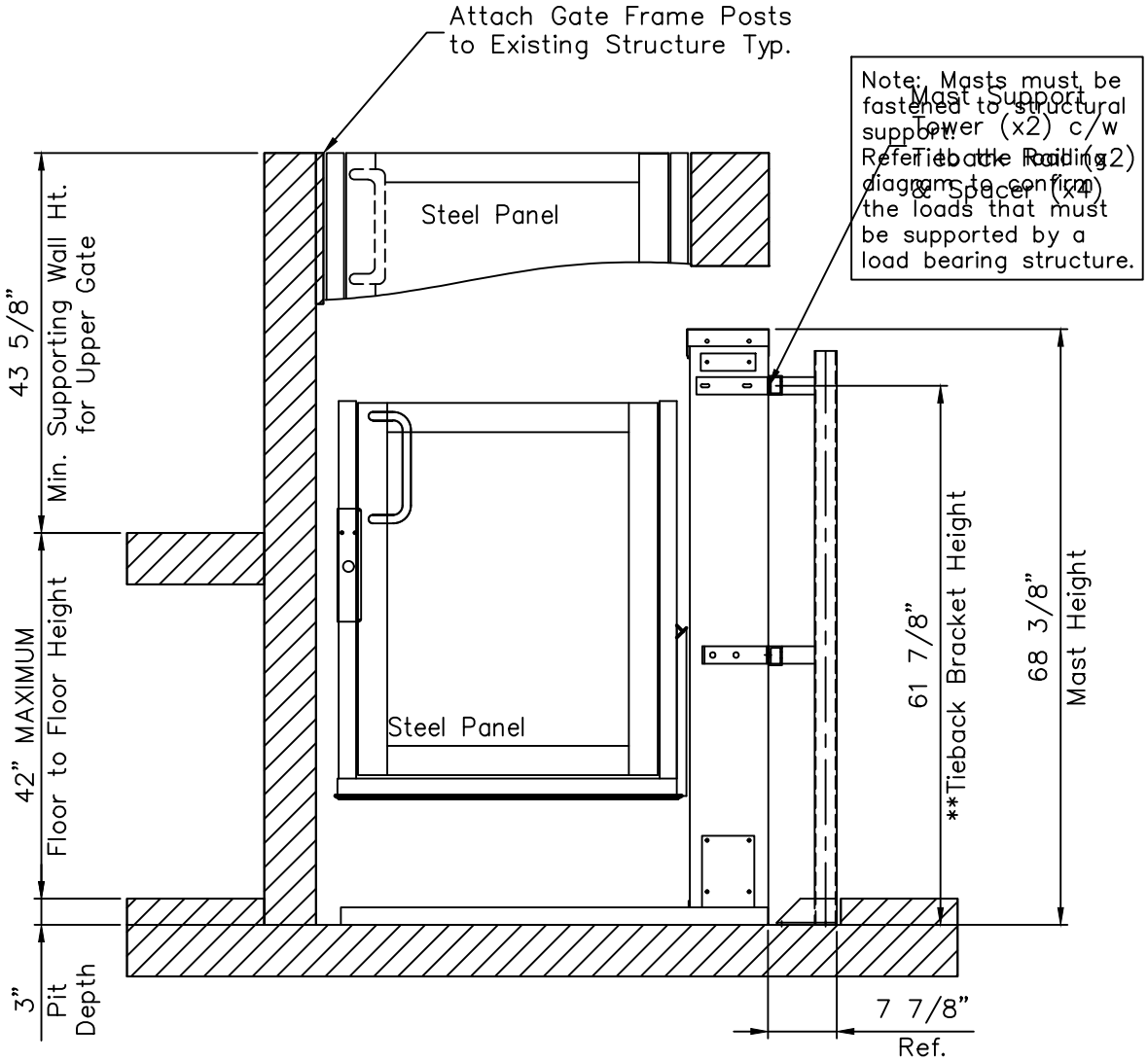
GENESIS OPAL – iGOLDD DRAWING
40 UPTON ST FRONT SAMPLE OPT B
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Garaventa Lift (NE)

122874–IG–A

DEDICATED CIRCUIT SUPPLIED BY OTHERS:
120 VAC / 1 PHASE – 60 Hz.
Conduit and devices to suit local codes and a recommended 15 amp. dedicated circuit.

** NOTE: Recommended Tieback Bracket Height Shown

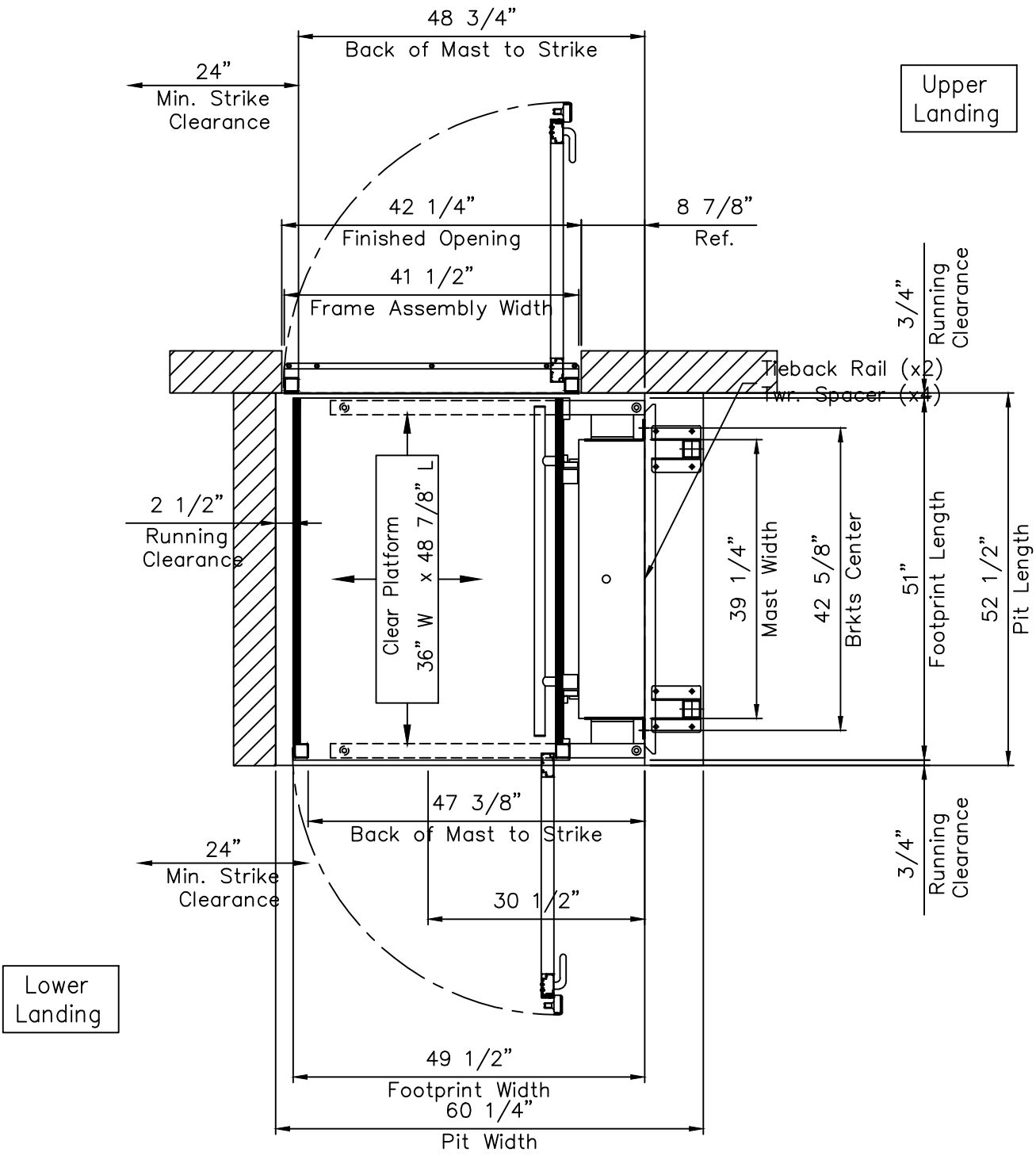


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GARAVENTA LIFT

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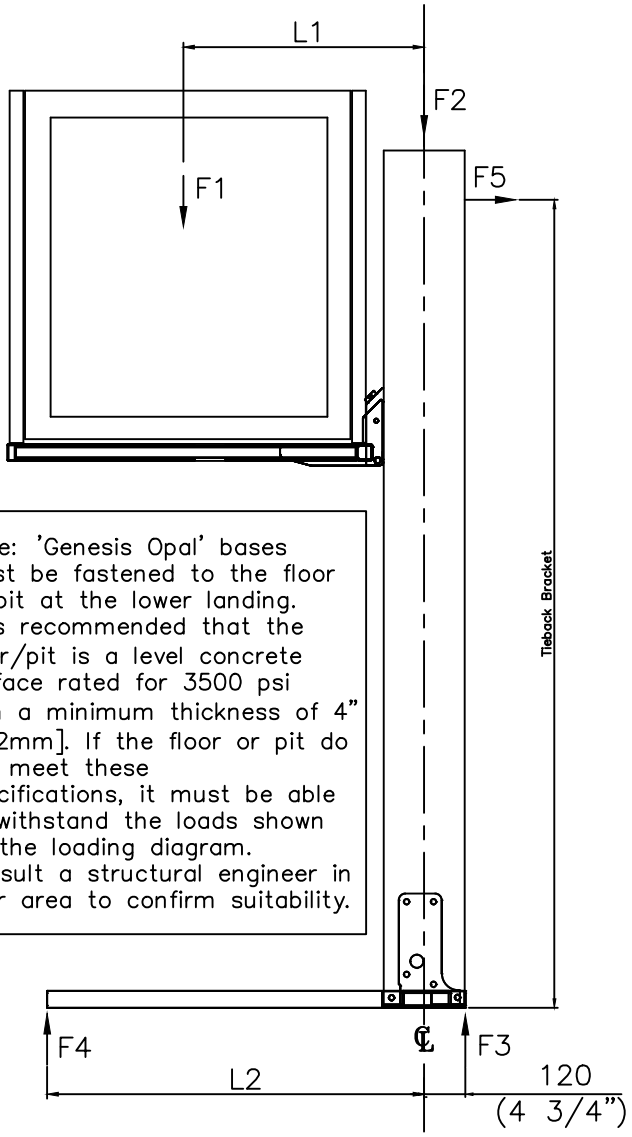
Garaventa Lift (NE)

122874-IG-A

SYM.	DESCRIPTION	VALUE (MAX.)
F1 = 1000 lb or 4448 N	PAYLOAD (MAX.)	3335 N [750 lb]
	CAR (PLATFORM) WEIGHT	1110 N [250 lb]
F2	MAST WEIGHT	777 N [175 lb]
F3	FLOOR REACTION	4791 N [1079 lb]
F4	FLOOR REACTION	426 N [96 lb]
F5	TIEBACK BRACKET REACTION	2087 N [470 lb]

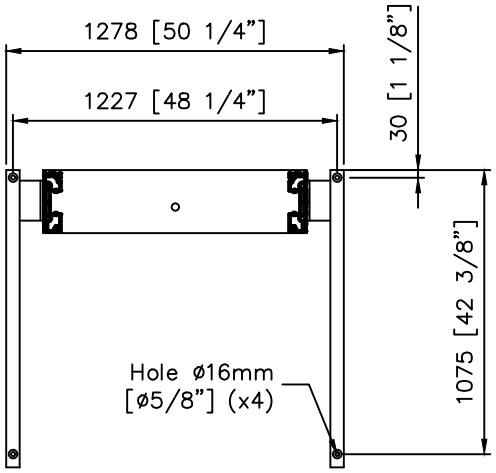
PLATFORM SIZE	L1	L2
Standard	688 [27 1/8"]	1145 [45 1/8"]

MODEL	MAST HEIGHT	TIEBACK HEIGHT
42"	1737 [68 3/8"]	1572 [61 7/8"]



Note: 'Genesis Opal' bases must be fastened to the floor or pit at the lower landing. It is recommended that the floor/pit is a level concrete surface rated for 3500 psi with a minimum thickness of 4" [102mm]. If the floor or pit do not meet these specifications, it must be able to withstand the loads shown on the loading diagram. Consult a structural engineer in your area to confirm suitability.

STANDARD BASE MOUNTING DETAILS



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SPECIAL NOTE:

These are reaction forces generated by the lift. Adhere to local building codes, regulations, and safety factors for supporting structures. Consult a structural engineer or architect in your jurisdiction.

DETAIL 1 – OPAL MODEL LOADING DIAGRAM

REV.						
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GARAVENTA LIFT

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