



# Submittal #140000-4.0 140000 - CADILLAC ELEVATOR

Gilbane Building Company  
88 Pine Street, 27th Floor  
New York, New York 10005  
Phone: (212) 312-1600

Project: J09202.110 - Empire Buick/GMC & Cadillac  
45-02 Northern Boulevard  
Queens, New York 11101

## 14B - Parkmatic - Carlift - Shop Drawing

<b>SPEC SECTION:</b>	140000 - CADILLAC ELEVATOR	<b>SUBMITTAL MANAGER:</b>	Devon Saunders (Gilbane Building Company)
<b>STATUS:</b>	Open	<b>DATE CREATED:</b>	03/20/2023
<b>ISSUE DATE:</b>	03/20/2023	<b>REVISION:</b>	0
<b>RESPONSIBLE CONTRACTOR:</b>	Vehicle Storage Solutions, Inc. d/b/a Parkmatic	<b>RECEIVED FROM:</b>	Raymond Hue
<b>RECEIVED DATE:</b>		<b>SUBMIT BY:</b>	
<b>FINAL DUE DATE:</b>	03/28/2023	<b>LOCATION:</b>	
<b>SUB JOB:</b>		<b>COST CODE:</b>	
<b>LEAD TIME:</b>		<b>TYPE:</b>	Shop Drawing
<b>APPROVERS:</b>	Nick Alexiades (Bohler Engineering), Chris Boyer (Bohler Engineering), Sandy Cruz (Syska Hennessy Group, Inc.), Selim Ercan (Skyline Engineering, LLC), Niki Fox (Syska Hennessy Group, Inc.), Peter O'loghlen (Ware Malcomb), Roland Reyes (Ware Malcomb), Roland Reyes (Ware Malcomb), Michael Roca (Gilbane Building Company), Devon Saunders (Gilbane Building Company)		

**BALL IN COURT:**  
Nick Alexiades (Bohler Engineering), Sandy Cruz (Syska Hennessy Group, Inc.), Niki Fox (Syska Hennessy Group, Inc.), Peter O'loghlen (Ware Malcomb), Roland Reyes (Ware Malcomb)

**DISTRIBUTION:**

**DESCRIPTION:**

The following submittal contains:  
Cadillac Carlift shop and coordination drawings  
- Please note Design Team addresses needed by Bohler, Syska, and Skyline  
- SDG (Masonry), please note coordination items for shaft build out  
Overhead door drawings for reference  
GBC - DS - 03.20.23

**ATTACHMENTS:**

[140000-4 \(Cadillac\) - Parkmatic - Carlift - Shop Drawing.pdf](#)

### SUBMITTAL WORKFLOW

NAME	SUBMITTER/APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
Nick Alexiades	Approver	3/20/2023	3/27/2023		Pending		
Chris Boyer	Approver	3/20/2023	3/27/2023	4/4/2023	Rejected		Bohler does not file elevator filings and was not contracted to do so, please coordinate with the vendor or sub for the question asked to Bohler. Please remove Bohler from the reviewer.
Sandy Cruz	Approver	3/20/2023	3/27/2023		Pending		
Selim Ercan	Approver	3/20/2023	3/27/2023	4/4/2023	Accepted	<a href="#">140000-4 (Cadillac) - Parkmatic - Carlift</a>	



# Submittal #140000-4.0 140000 - CADILLAC ELEVATOR

NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
						- <a href="#">Shop Drawing_Skyline.pdf</a>	
Niki Fox	Approver	3/20/2023	3/27/2023		Pending		
Peter O'loghlen	Approver	3/20/2023	3/27/2023		Pending		
Roland Reyes	Approver	3/20/2023	3/27/2023		Pending		
Roland Reyes	Approver		3/28/2023		Pending		
Michael Roca	Approver		3/28/2023		Pending		
Devon Saunders	Approver		3/28/2023		Pending		

<input type="checkbox"/> NO EXCEPTION TAKEN	<input checked="" type="checkbox"/> REVISE - NO RESUBMISSION REQUIRED
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
<input type="checkbox"/> SUBMIT SPECIFIED ITEM	<input type="checkbox"/> RETURNED WITHOUT ACTION

Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the confirming and correlating all quantities and dimensions, selecting fabrications processes and techniques of construction; coordinating their work with that of all other trades; and performing their work in a safe and satisfactory manner.

SYSKA HENNESSY GROUP  
Engineers

Date: 4/10/2023      Checked by: nlouisy

If the information provided in the response to this Submittal constitutes a change in contract price or time, the trade contractor shall not proceed with this work unless authorized to do so by the Construction Manager in writing. The trade contractor shall provide the Construction Manager written notice within five (5) working days from receipt of this Submittal that this Submittal constitutes a change, all in accordance with Article 8 of the Contract Agreement. Should no change be required, a no cost change will be issued to you incorporating this Submittal into your contract.

BY \_\_\_\_\_ DATE \_\_\_\_\_ COPIES TO \_\_\_\_\_



Gilbane Building Company

## SUBMITTAL IDENTIFICATION SHEET

GM/CBRE

Owner

EMPIRE BUICK/GMC & CADILLAC

140000-4 - 14B (Cadillac) Parkmatic - Carlift - Shop Drawing

03.28.23

Required Date

**GILBANE REVIEW**

Reviewed, Subject to approval of Architect.

Reviewed as noted, Subject to approval of Architect.

Revise and resubmit.

NOTE: Review of shop drawings and other submittals does NOT relieve the Trade Contractor or Vendor of their responsibility to comply with the requirements of the Contract Documents, verify dimensions and coordinate the Work with other Trade Contractors.

D. Saunders

03/20/2023

Signature

Date

**Consultant Review Stamp**

REVIEW IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR DETAILS.

NO EXCEPTIONS TAKEN

MAKE CORRECTIONS NOTED

REVISE AND RESUBMIT

REJECTED, SEE REMARKS

Skyline Engineering, LLC

Date: 4/4/23

By: SE

Signature

Date

**Architect Review Stamp**

**WARE MALCOMB**

EMPIRE BUICK-GMC/CADILLAC, QUEENS, NY

project name: \_\_\_\_\_

project no. NYC21-6054-00 item: Cadillac - Parkmatic Carlift Shop Drawing - Submittal

NO EXCEPTIONS TAKEN  MAKE CORRECTIONS NOTED

FOR REVIEW ONLY  REVISE AND RESUBMIT

REJECTED  SUBMIT SPECIFIED ITEM

Review is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. As action shown is subject to the requirements of the plans and specifications. Contractor is responsible for: dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and the satisfactory performance of his work.

date 04/12/2023 by R. REYES

Signature

Date

### COMMENTS

The following submittal contains:

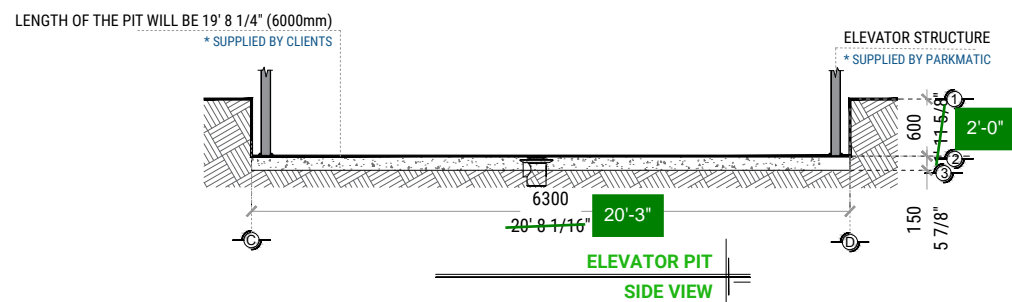
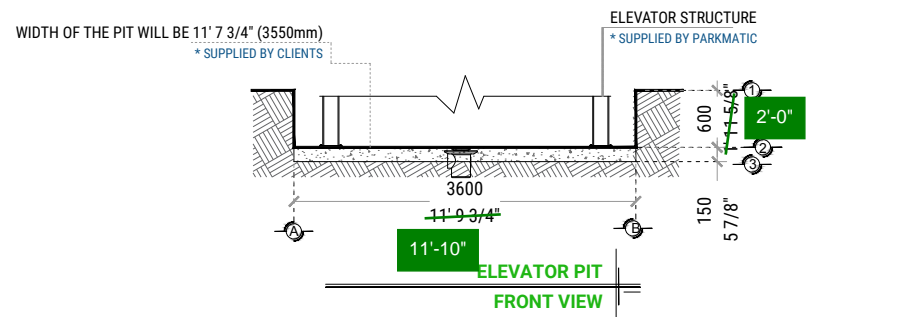
Cadillac Carlift shop and coordination drawings

- Please note Design Team addresses needed by Bohler, Syska, and Skyline
- SDG (Masonry), please note coordination items for shaft build out

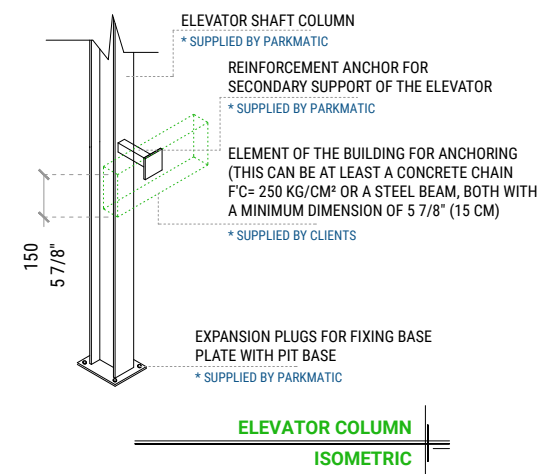
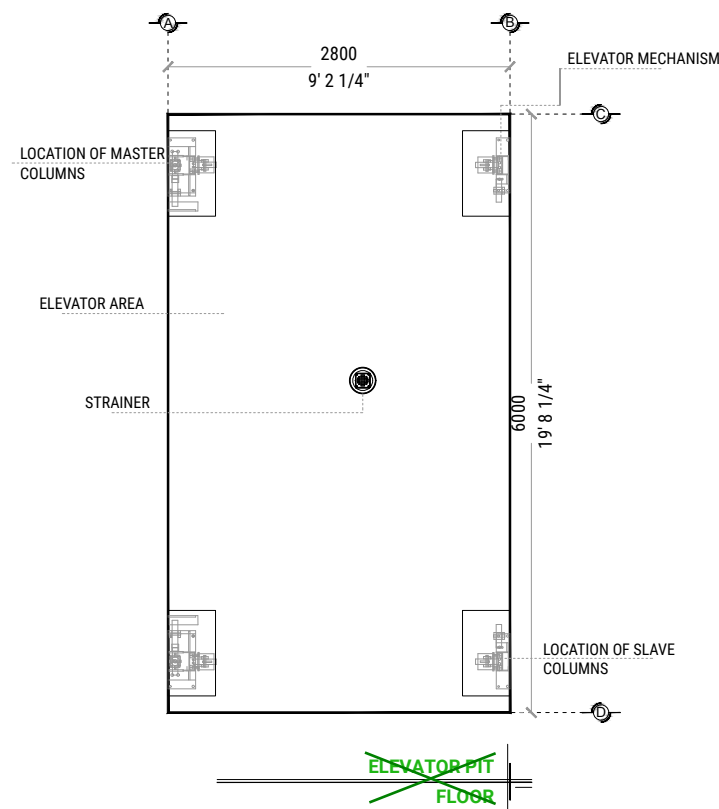
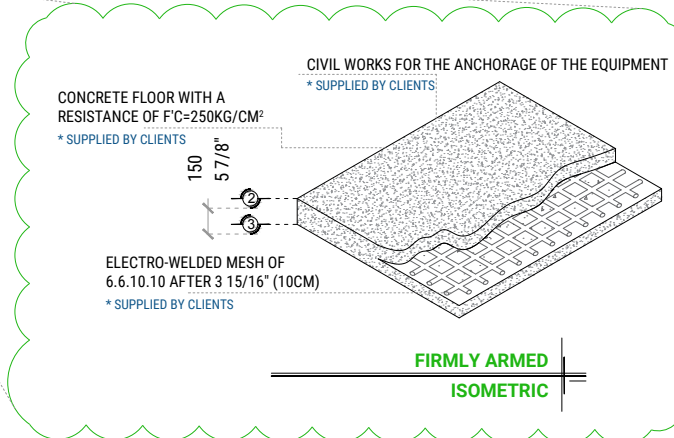
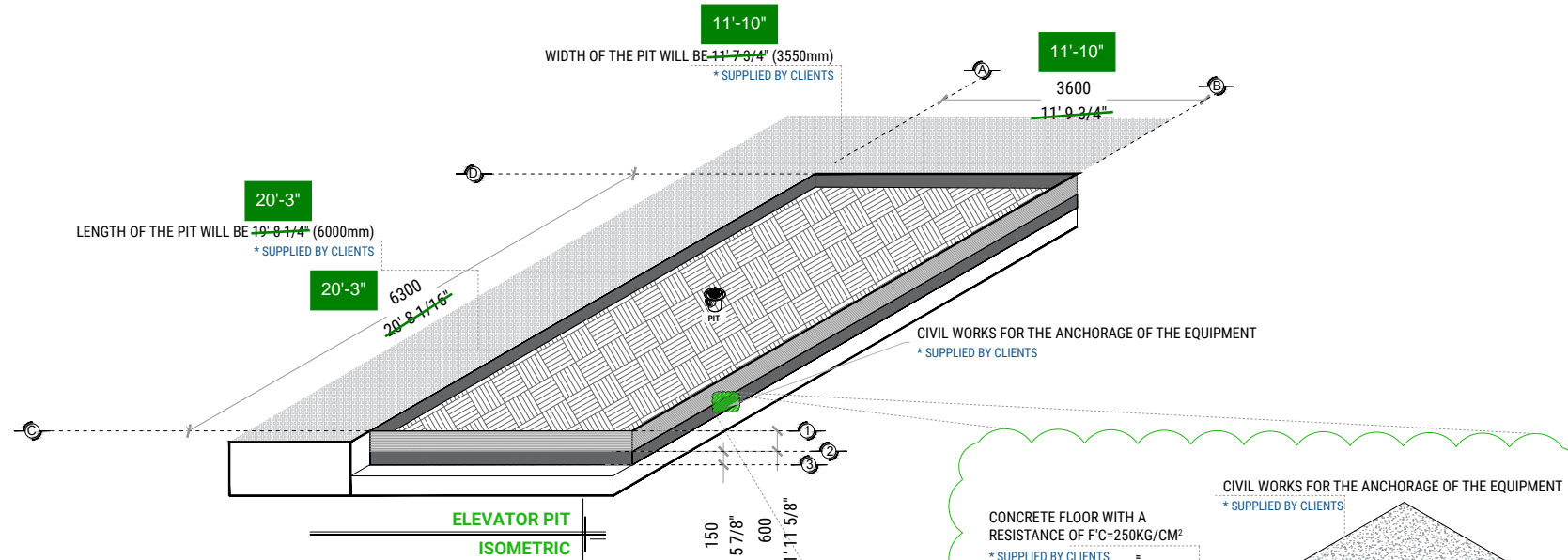
Overhead door drawings for reference

GBC - DS - 03.20.23

**CIVIL WORK**



FOR SAFETY REASONS AGAINST POSSIBLE ACCUMULATIONS OF WATER, SUCH AS FLOODS OR LEAKS, IT IS RECOMMENDED TO INSTALL A DRAINAGE PIPE OUTLET (STRAINER) TO DISLodge THE WATER THAT COULD BE STORED IN THE PIT, SAID PIPE WILL BE CONNECTED TO THE DRAINAGE NETWORK OR GREEN AREAS ACCORDING TO THE CLIENT'S DECISION.



WM: ISN'T THIS THE LIFT PLATFORM? THE PIT IS 11'-10" x 20'-3"

- GENERAL NOTES:**
1. THIS DRAWING IS THE PROPERTY OF PARKMATIC AND IT MAY NOT BE REPRODUCED IN WHOLE OR PART OR USED FOR THE MANUFACTURE OF ANY ARTICLE WITHOUT PRIOR WRITTEN CONSENT.
  2. WORK TO FIGURE OUT THE DIMENSIONS ONLY.
  3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.

**KEY NOTES:**

GBC Notes per review with Parkmatic Car Lift Provider:

- Car Lift gets filed as VRC lift (material handling lift), so does not/should not require elevator code checklists/signoff

- As long as this lift is shown on the stamped drawings included with the DOB New Building permit, this lift does not get filed separately or inspected. (not like a passenger elevator)

Design Team (Bohler) please confirm the above

Fabrication Time:

- 2 1/2 months fab
- 1 week to ship

3		
2		
1		
REV	DESCRIPTION	DATE

**Parkmatic** NEW YORK OFFICE, USA  
 75 PLANDOME RD, 2FL  
 MANHASSET, NY 11030  
 P: 1-800-422-5438  
 W: www.parkmatic.com

CLIENT: MAJOR WORLD - CADILLAC

SYSTEM: FULL VOX ELEVATOR

ADDRESS: 43-40 NORTHERN BLVD, LONG ISLAND CITY, NY 11101

TITLE: CIVIL WORKS

SCALE: N/A DATE: 03/14/2023 DRAWN: CHECKED:

DRAWING NO: FVE-4340NORTHERN-01 SHEET: 1 OF 5



# HYDRAULIC UNIT

FOR THE OPERATION OF THE ELEVATOR, A HYDRAULIC UNIT IS NECESSARY, WHICH IS NOT CONTEMPLATED WITHIN THE CLEARING OF THE ELEVATOR, THE OPTION IS GIVEN TO THE CLIENT WHO DECIDES THE PLACE OF THE UNIT. IT IS REQUIRED TO PLACE A NICHE TO HOUSE THE HYDRAULIC UNIT AND THE ELECTRICAL CONTROL, HAVING ACCESS FOR MAINTENANCE.

THE HYDRAULIC UNIT AND ELECTRICAL CONTROL MUST BE INSTALLED AND LOCATED IN A PLACE FREE OF DUST, LIQUIDS, AND INCLEMENT WEATHER, AVOIDING CONTAMINATION OF THE OIL AND LOSS OF THE EQUIPMENT WARRANTY.

THE ROUTE OF THE TUBING SHOULD NOT BE GREATER THAN 5.00 LINEAR METERS.

LOAD CENTER WITH THREE-PHASE POWER SUPPLY AT 220V, WITH THE NEUTRAL AND PHYSICAL GROUND WITH 3X40 AMP THERMOMAGNETIC PROTECTION SWITCH, EXCLUSIVE FOR THE ELEVATOR

- CABLE GAUGE 8 AWG FOR DISTANCES UP TO 32' 9 11/16" (10 M).
- GAUGE 6 AWG FOR DISTANCES UP TO 49' 2 9/16" (15 M).
- FOR DISTANCES GREATER THAN 15.00M, CONTEMPLATE THE CALCULATION OF CURRENT TO AVOID VOLTAGE DROP

**A COMPLETELY STRAIGHT DUCT OF Ø 3" FOR CHANNELING THE HYDRAULIC SYSTEM.**

FOR SECURITY, IT SHOULD NOT BE MANIPULATED BY UNAUTHORIZED PERSONNEL.

BY IGNORING THE INDICATIONS ALREADY DICTATED AND THE EQUIPMENT HAS A FAULT, TECNORAMPA WILL NOT BE RESPONSIBLE FOR THESE, IN ADDITION TO THE FACT THAT THE GUARANTEE YEAR WOULD NOT COVER THESE DAMAGES.

Duct refers to Direct from motor to lift.

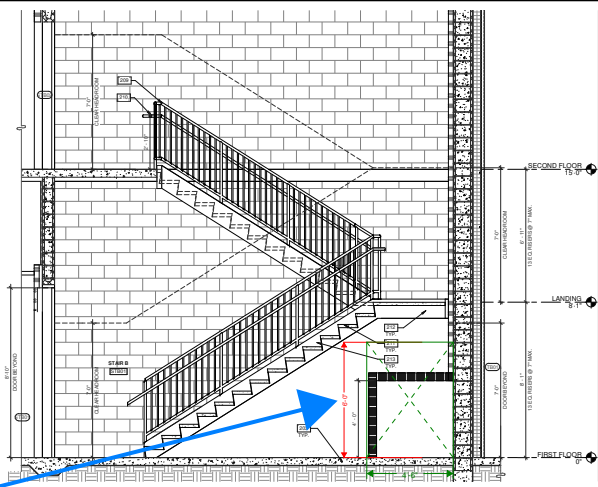
No exhaust, supply, or electrical pathway through nook wall is needed for the motor.  
- GBC 3/20/23

HYDRAULIC UNIT DESCRIPTION	
HYDRAULIC UNIT	20 HP
ALIMENTATION	220 VCA
NUMBER OF PHASES	3
CONSUMPTION AMPERES	56
CONSUMPTION WATTS	15 KW
TYPE OF OIL	ISO 68

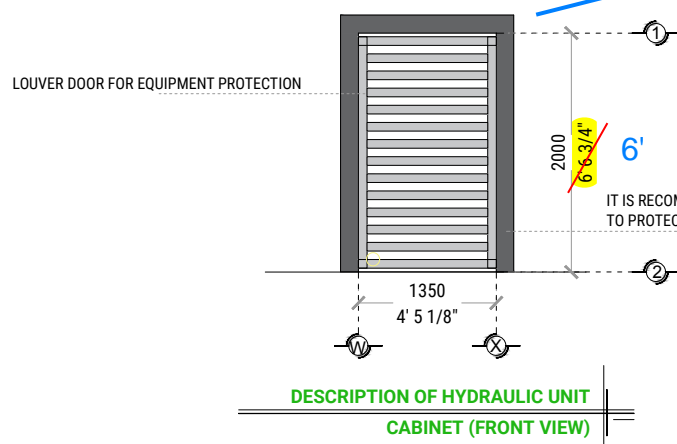
HYDRAULIC UNIT  
20 HP



SDG: Review with Gilbane in field. To achieve 4' 6" length, CMU walls will need to be built per modified detail to the right.  
- GBC 3/20/23



Detail 1/A-403



DESCRIPTION OF HYDRAULIC UNIT  
CABINET (FRONT VIEW)

IT IS RECOMMENDED TO PLACE AN ENCLOSURE TO PROTECT THE MOTOR FROM THE ELEMENTS.

**SHG ELECTRICAL:**

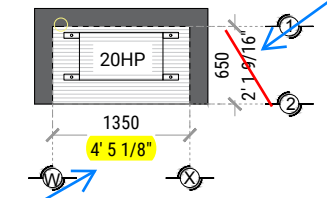
Noted. Car lift electrical will be designed based on 20HP requirements

WM: 3'-6" IS THE MAX. AVAILABLE

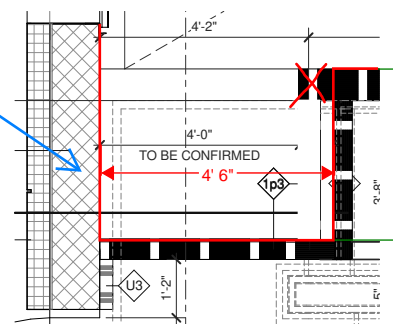
SDG: Needs to be 3' 6" atleast. Use 3' 6" - GBC 3/20/23

Note for Syska Electric: Non-fused quick disconnect with ground/neutral. 100A, 3 phase.

Generic lift details noted 10HP, but Cadillac project specs require a 20HP due to the speed of lift  
- GBC 3/20/23



DESCRIPTION OF HYDRAULIC UNIT  
CABINET (FLOOR VIEW)



Detail 2/A-403

WM: 3'-6" IS THE MAX. AVAILABLE

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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.

**KEY NOTES:**

REV	DESCRIPTION	DATE
3		
2		
1		

**Parkmatic**  
NEW YORK OFFICE, USA  
75 PLANDOME RD, 2FL  
MANHASSET, NY 11030  
P: 1-800-422-5438  
W: www.parkmatic.com

CLIENT: MAJOR WORLD - CADILLAC  
SYSTEM: FULL VOX ELEVATOR  
ADDRESS: 43-40 NORTHERN BLVD, LONG ISLAND CITY, NY 11101

TITLE: HYDRAULIC UNIT  
SCALE: N/A DATE: 03/14/2023 DRAWN: CHECKED:  
DRAWING NO: FVE-4340NORTHERN-03 SHEET: 3 OF 5

## ELEVATOR SAFETY

- SAFETY MECHANISMS IN ELEVATORS ARE A FUNDAMENTAL PART OF THE PLACEMENT AND START-UP OF OUR EQUIPMENT.
- THUS, EVERY TIME AN ELEVATOR IS USED, TAKE INTO ACCOUNT SOME BASIC POINTS.
- DO NOT PUT YOUR HANDS, FEET, HEAD, OR ANY OBJECT OUT OF THE ELEVATOR, WHEN IT IS IN OPERATION.
- DO NOT OPERATE THE LIFT WHEN THERE IS A HYDRAULIC FLUID LEAK.
- RESPECT THE INDICATIONS WITHOUT EXCEEDING THEIR WEIGHT CAPACITY.
- DO NOT OPERATE THE EQUIPMENT WITHOUT FIRST HAVING BEEN DELIVERED BY A PARKMATIC SPECIALIST.
- NEVER USE THE LIFT IN CASE OF FIRE.
- DO NOT OPERATE THE LIFT IF THE STEEL CABLES ARE FRAYED.

## EQUIPMENT SPECIFICATIONS

- LINE RISER COLOR
- ARMED TEAM
- FULL COLUMNS

## INSTALLATION REQUIREMENTS

THE PIT WILL BE IN OPTIMAL CONDITIONS (NO PUDDLES INSIDE THE PIT, AREA FREE OF ANY OBJECTS OR MATERIALS UNDER CONSTRUCTION, AND FREE ACCESS TO TRANSPORT THE EQUIPMENT TO THE INSTALLATION AREA).

**FOR THE INSTALLATION OF THE ELEVATOR, IT IS NECESSARY TO HAVE 220V POWER TO CONNECT A WELDING MACHINE, TO 2 PHASES AND IT MUST HAVE A CONSUMPTION CAPACITY OF 60 AMP. FREE.**

IF THIS POWER SUPPLY IS NOT AVAILABLE, THE LIFT CANNOT BE INSTALLED ON THE AGREED DATE. AND A NEW AVAILABLE INSTALLATION DATE WILL BE GIVEN, ACCORDING TO OUR INSTALLATION SCHEDULE.

THE CIVIL WORK REQUIRED BY PARKMATIC MUST BE READY ON THE AGREED DATE SO AS NOT TO RESCHEDULE THE INSTALLATION OF THE EQUIPMENT. CONSIDER ACCESS FOR OUR PARKMATIC EQUIPMENT, SINCE THESE ARE ARMED AND IF THERE IS NO SPACE TO ACCESS WITHOUT INCONVENIENCE, DISCUSS THIS WITH YOUR DESIGNATED VENDOR AND THUS TAKE THE NECESSARY PRECAUTIONS.

Specifically for welding machine  
Not for permanent.  
- GBC 3/20/23

## ADDITIONAL COMPONENTS FOR THE TEAM

- DOUBLE ACCESS

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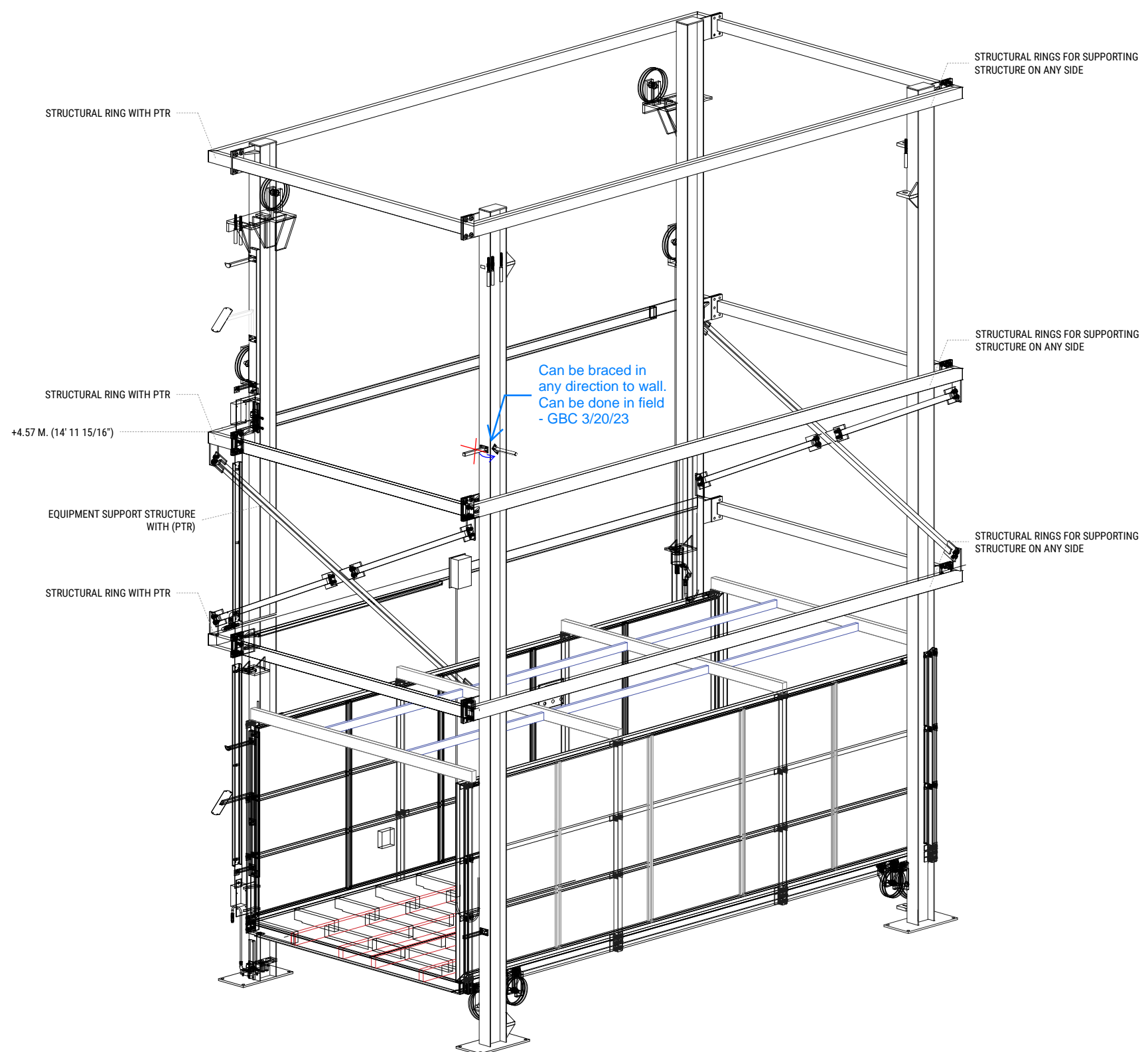
### # KEY NOTES:

3		
2		
1		
REV	DESCRIPTION	DATE

**Parkmatic** NEW YORK OFFICE, USA  
75 PLANDOME RD, 2FL  
MANHASSET, NY 11030  
P: 1-800-422-5438  
W: www.parkmatic.com

CLIENT: MAJOR WORLD - CADILLAC  
SYSTEM: FULL VOX ELEVATOR  
ADDRESS: 43-40 NORTHERN BLVD, LONG ISLAND CITY, NY 11101

TITLE: SAFETY, REQUIREMENT AND SPECIFICATION  
SCALE: N/A DATE: 03/14/2023 DRAWN: CHECKED:  
DRAWING NO: FVE-4340NORTHERN-04 SHEET: 4 OF 5



**GENERAL NOTES:**

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2. WORK TO FIGURE OUT THE DIMENSIONS ONLY.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.

**KEY NOTES:**

GBC Notes per review with Parkmatic Car Lift Provider:

- Controls are on outside and inside of shaft
- Lift gets programmed by Parkmatic with overhead doors (closed to operate)
- GBC 3/20/23

3		
2		
1		
REV	DESCRIPTION	DATE

**Parkmatic** NEW YORK OFFICE, USA  
 75 PLANDOME RD, 2FL  
 MANHASSET, NY 11030  
 P: 1-800-422-5438  
 W: www.parkmatic.com

CLIENT: MAJOR WORLD - CADILLAC  
 SYSTEM: FULL VOX ELEVATOR  
 ADDRESS: 43-40 NORTHERN BLVD, LONG ISLAND CITY, NY 11101

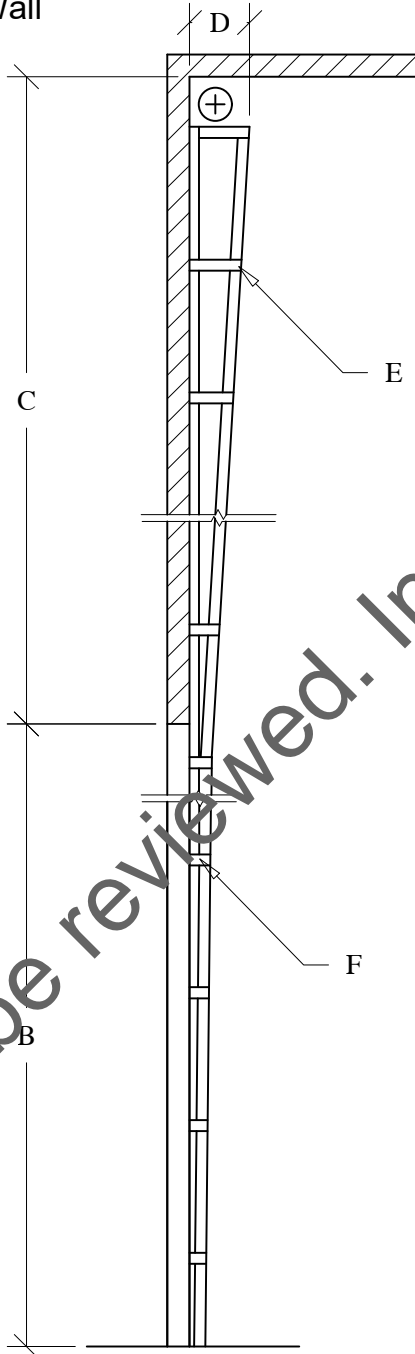
TITLE: VOX ELEVATOR LAYOUT  
 SCALE: N/A DATE: 03/14/2023 DRAWN: CHECKED:  
 DRAWING NO: FVE-4340NORTHERN-05 SHEET: 5 OF 5



Customer: Able Rolling Steel Door  
 Order Number: QCD2024805  
 Job Name: Major World Cadillac  
 P.O. #: \_\_\_\_\_  
 Door Size: (2) 10'-2" X 8'-0"  
 Door Model: 3281  
 Track Type: Vertical Lift Limited Depth

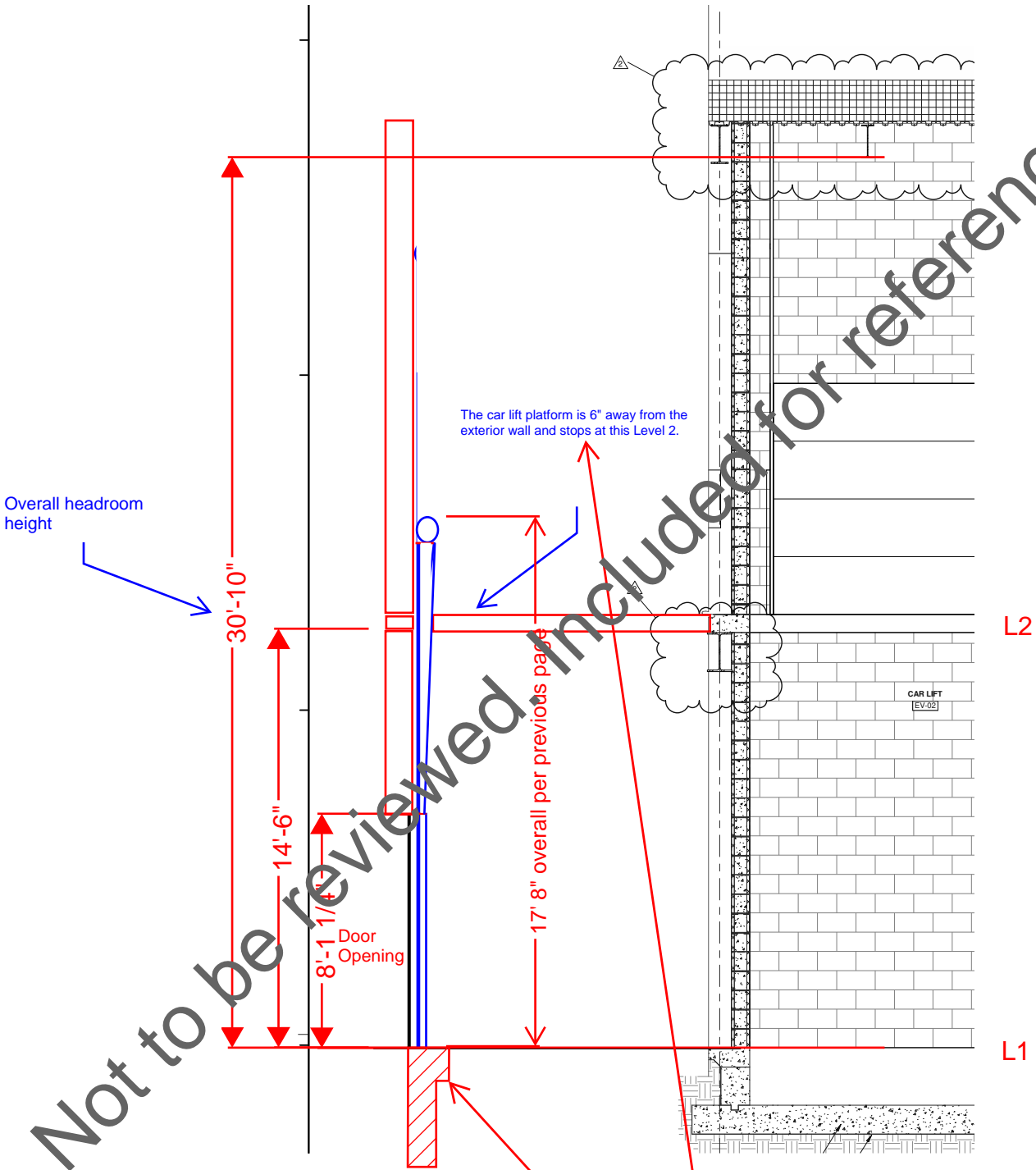
Track Size: 2"  
 Horizontal Gauge: \_\_\_\_\_  
 Vertical Gauge: 17

### Detail Through Wall



A	Opening Width	10'-0"
B	Opening Height	8'-0"
C	Header Room	9'-8"
D	Backdepth	6-1/4"
E	Track Mounting Upper	Clip
F	Track Mounting Lower	Full Angle

Check all dimensions and specifications, for conflicts please contact customer service.  
 Preliminary design details based upon information available at date of issue.  
 Contact customer service for assistance if any changes are required.



Not to be reviewed, included for reference.

Included to show previous page dimensions overlay with A-404 -GBC 1/3/23

WM:  
 REFER TO STRUCTURAL DRAWINGS. SLAB EDGE EXTENDS 6" INTO CAR LIFT SHAFT ON FIRST FLOOR LEVEL. ACTUAL SIZE OF GAP, IF ANY, TO BE REVIEWED AND ADDRESSED ON THE CAR LIFT SUBMITTAL.