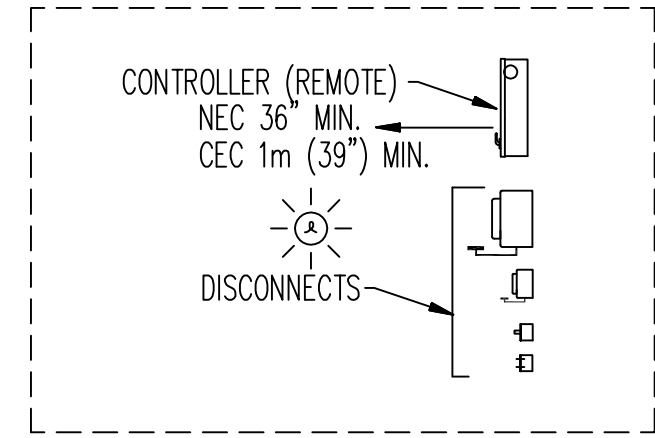
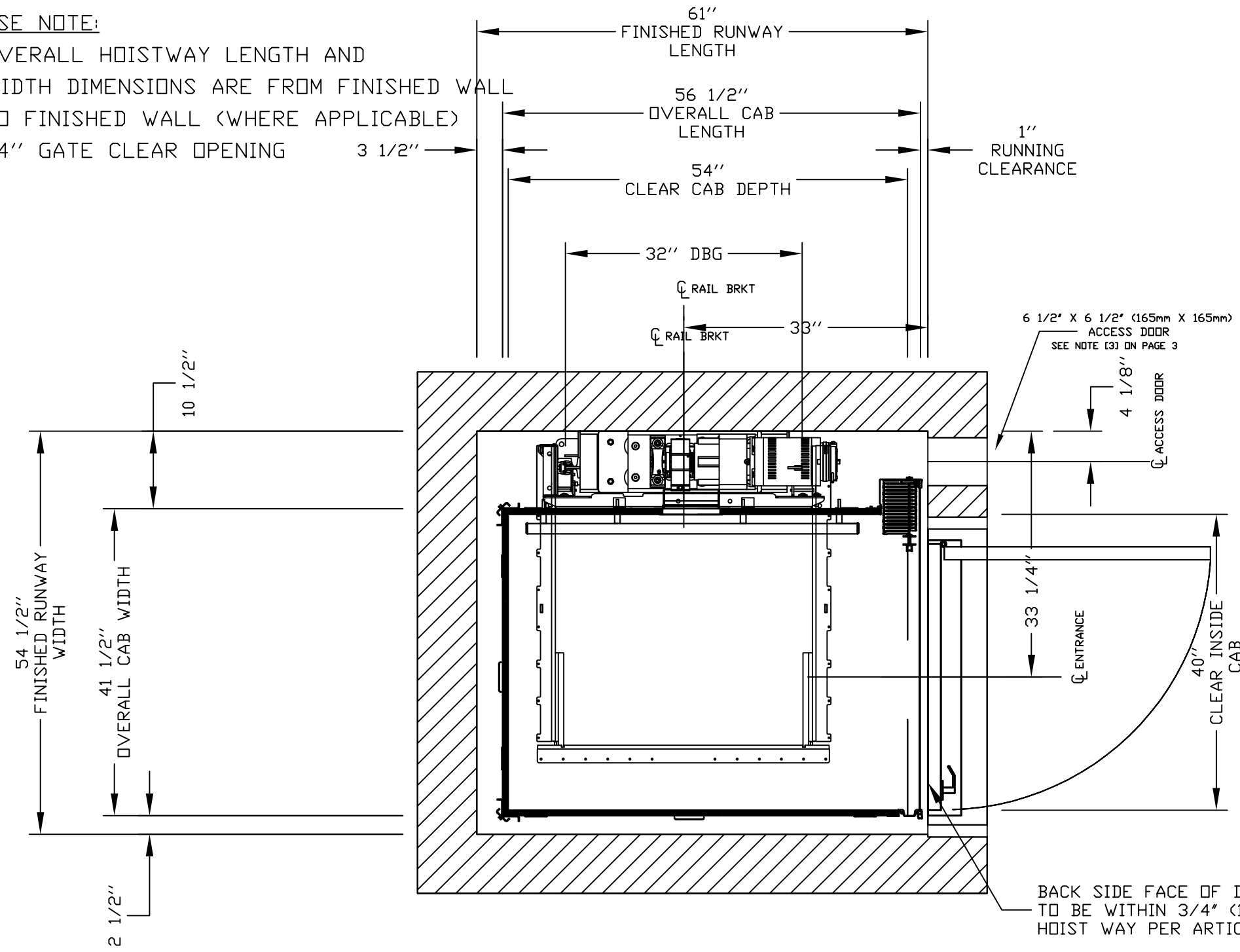


PLEASE NOTE:

- OVERALL HOISTWAY LENGTH AND WIDTH DIMENSIONS ARE FROM FINISHED WALL TO FINISHED WALL (WHERE APPLICABLE)
- 34" GATE CLEAR OPENING 3 1/2"



DISCONNECTS AND CONTROLLER (REMOTE)

PRELIMINARY DRAWING ONLY
DRAWING APPROVAL:

THIS DRAWING REFLECTS OUR INTERPRETATION OF THE INFORMATION PROVIDED BY THE DEALER ON THEIR FORM. THIS INFORMATION IS THE DEALER'S RESPONSIBILITY, AND IS THE BASIS FROM WHICH THIS LIFT IS DESIGNED AND MANUFACTURED. PLEASE INDICATE THE REQUESTED ACTION BY CHECKING ONE OF THE FOLLOWING BOXES AND SIGNING BELOW TO AUTHORIZE COMPLETION OF THIS ORDER.

- APPROVED WITH NO EXCEPTIONS
MANUFACTURE PRODUCT AS PER DRAWING
- APPROVED WITH EXCEPTIONS, NO REAPPROVAL REQUIRED
MAKE CHANGES AS NOTED, NO REAPPROVAL DRAWING REQUIRED
- CHANGE AS NOTED, REAPPROVAL REQUIRED
MAKE CHANGES AS NOTED, SEND CORRECTED DRAWING FOR REAPPROVAL BEFORE MANUFACTURE

SIGNATURE: _____ DATE: _____

- CHANGES REQUEST:
- _____
 - _____
 - _____
 - _____

CAUTION: ONCE THE DRAWING IS APPROVED, JOB CANCELLATION FEES WILL APPLY

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/13/2024

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CONFIGURATION VERSION STAMP:	0.0
MODULE VERSION STAMP:	E-S-7.4.6.7

Part No.	ECLIPSE
Variant No.	1103006

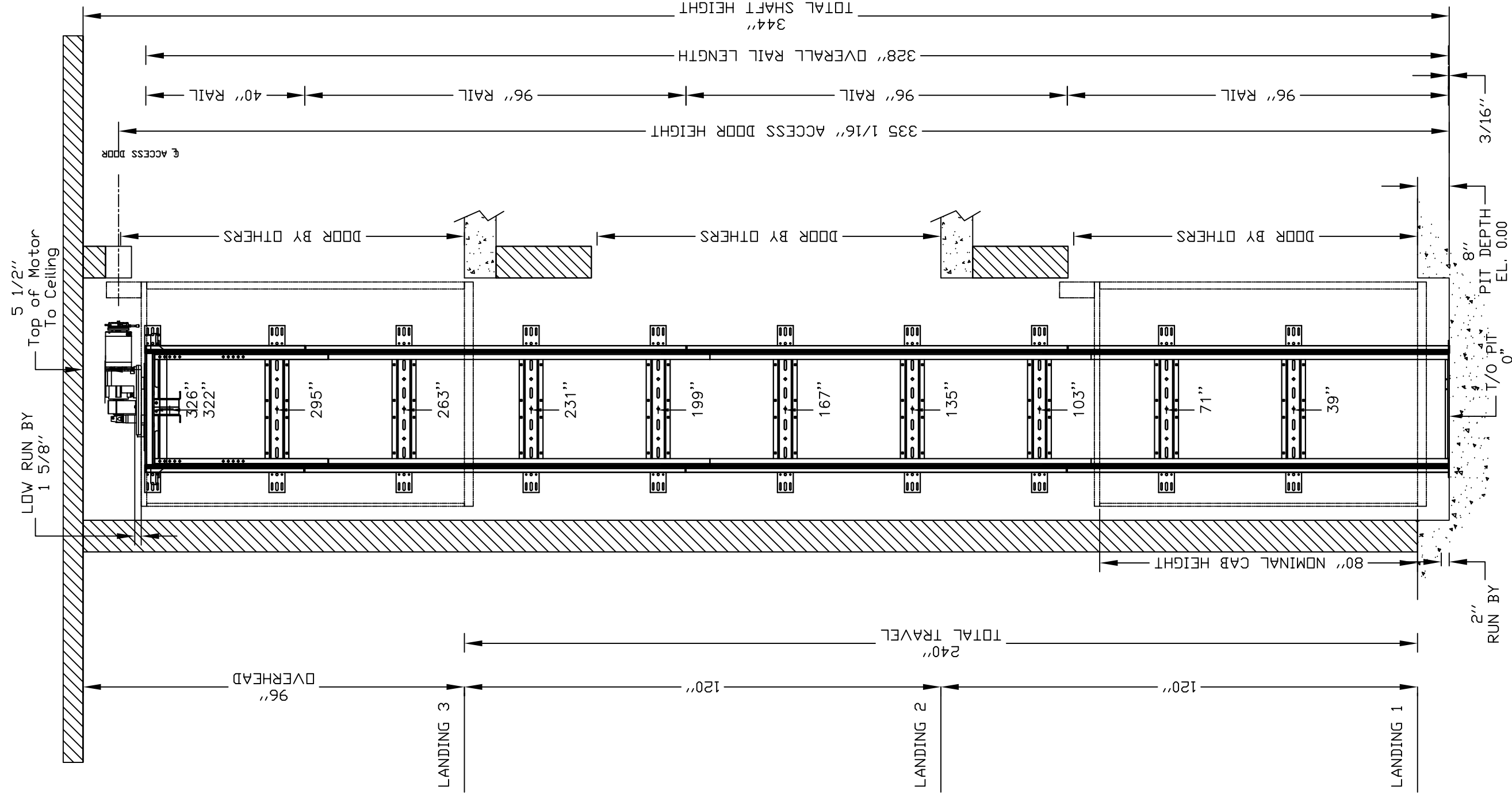
CUSTOMER:	KOOLIFTS	DATE:	07-06-23
PROJECT:	Marcus & Kelsie Smith	REVISION DATE:	07-10-23
ADDRESS:	2107 SW Hook Farm Drive ,Lee's Summit Missouri ,USA,64082	COMPLETED BY:	bkoch@kclift.com



PLAN VIEW

JOB No.	Smith	SHEET No.	1 OF 5
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Please refer to rail centerline on the plan view



RELEASE FOR CONSTRUCTION
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 DEVELOPMENT SERVICES
 LEE'S SUMMIT, MISSOURI
02/13/2024

Part No.	ECLIPSE
Variant No.	1103006
JOB No.	Smith 2 OF 5

OFFICE USE ONLY:	
CONFIGURATION VERSION STAMP:	0.0
MODULE VERSION STAMP:	E-S7.6.7
DATE:	07-06-23
REVISION DATE:	07-10-23
COMPLETED BY:	bluoch@cliff.com
CUSTOMER:	LEI FTT
PROJECT:	Marcus & Kelsie Smith
ADDRESS:	2107 SW Hook Farm Drive, Lee's Summit Missouri, USA, 64082

ELEVATION VIEW B-B

PROVISIONS BY OTHERS

*HOISTWAY, CONSTRUCTION SITE, CLEARANCE

1- HOISTWAY CONSTRUCTION AND PIT BY OTHERS. DUE TO LIMITED SPACE WITHIN THE HOISTWAY IT IS ESSENTIAL THAT THE PIT IS LEVEL AND WALLS ARE SQUARE AND PLUMB THROUGHOUT THE HOISTWAY. THE HOISTWAY FRAMING MUST BE WITHIN 1/2" (13mm) OF PLUMB AND SQUARE FROM TOP TO BOTTOM FOR PROPER OPERATION OF THE ELEVATOR THROUGHOUT THE HOISTWAY.

2- DISTANCE BETWEEN THE HOIST WAY SIDE OF THE LANDING DOOR AND THE CAR GATE SHALL NOT EXCEED 4" (102 MM). THE BACKSIDE FACE OF LANDING DOOR NEEDS TO BE WITHIN 3/4" (19MM) OF THE HOIST WAY PER ARTICLE 5.3.1.8.2. THE LANDING DOOR IS REQUIRED TO BE MADE OF SOLID CORE CONSTRUCTION.

3- HOISTWAY MUST HAVE A MINIMUM LOCKABLE ACCESS HATCH (PROVIDED BY SAVARIA CONCORD) LOCATED AT THE TOP OF THE HOISTWAY. LOCATION MUST BE IN AN AREA WHICH WILL PROVIDE ACCESS TO THE ELEVATOR DRIVE ASSEMBLY BY THE MANUAL LOWERING HANDLE. MANUAL LOWERING HANDLE WILL ENABLE USER TO OVERPOWER BRAKE AND LOWER CAR WITHOUT BODILY ENTRY TO THE HOISTWAY

4- THE PIT FLOOR SHALL BE CONSTRUCTED TO WITHSTAND AN IMPACT LOAD OF 6400 LBS [2903kg]. REF. CSA B44 SECTION 2.11 (ASME/ANSI A17.1 SECTION 106.)

5- HOISTWAY TO BE FREE OF ALL PIPES, WIRING AND OBSTRUCTIONS NOT RELATED TO THE OPERATION OF THE ELEVATOR.

FOR COMPLYING WITH LOCAL CODES.

6- HOISTWAY CONSTRUCTION REQUIREMENTS MAY VARY FROM REGION TO REGION. DIMENSIONS GIVEN ARE MANUFACTURERS RECOMMENDED CLEARANCES. THEY REFLECT THE RUNNING AND ACCESS CLEARANCES. CONSULT YOUR LOCAL AUTHORITY TO ASSURE COMPLIANCE WITH LOCAL CODES.

DIMENSIONS WARNING

CONTRACTOR/CUSTOMER TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO OUR OFFICE IMMEDIATELY.

*STRUCTURAL

7- A LOAD BEARING WALL IS REQUIRED TO SUSTAIN RAIL REACTIONS AS SPECIFIED ON DRAWING. BUILDING CONTRACTOR TO DETERMINE IF SUPPORTING WALL WILL SUSTAIN RAIL REACTIONS FOR COMPLYING WITH LOCAL CODES. STRUCTURE TO ANCHOR A CRANK SHAFT AND SAFETY HARNESS, WHERE APPLICABLE/NEEDED, TO BE PROVIDED BY OTHERS.

8- SUITABLE LINTELS MUST BE PROVIDED BY OTHERS. DOOR FRAMES ARE NOT DESIGNED TO SUPPORT OVERHEAD WALL LOADS.

9- SUITABLE LINTELS MUST BE PROVIDED BY OWNER/AGENT. ALL FULL HEIGHT DOORS MUST BE ALIGNED WITH THE DOOR CENTERLINE SHOWN ON PLAN DETAIL. DOOR WITH THE CORE IS BETTER THAN THE HOLLOW DOOR.

10- DOOR HANDLES ARE REQUIRED FOR ALL FULL SIZE DOORS.

11- SEE INSTALLATION MANUAL FOR DETAILS ON THE INTERLOCKS. INTERLOCKS ARE REQUIRED FOR ALL FULL SIZE DOORS.

*ELECTRICAL

12- THE ELEVATOR CONTROLLER IS 24.4" [620mm] WIDE X 23" [584mm] HIGH X 6.7" [170mm] DEEP. THE CONTROLLER IS PROVIDED BY SAVARIA CONCORD AND IS EITHER :

A : ATTACHED TO THE RAIL WALL INSIDE THE HOISTWAY BETWEEN THE "T" RAILS WITH ACCESS EITHER UNDER THE CAB OR THROUGH THE CAB OF THE ELEVATOR; OR

B : IN A REMOTE LOCATION EXTERNAL TO HOISTWAY, THAT NEEDS PROPER STRUCTURAL WALL TO SUPPORT THE CONTROLLER ON ALL 4 CORNERS. HOLE POSITIONS ARE = 23.5" [597mm] WIDE BY 21.5" [546mm] HIGH.

13- ARRANGE FOR A POWER SUPPLY WITHIN SIGHT OR NEXT TO THE ELEVATOR CONTROLLER PRIOR TO DELIVERY OF THE UNIT (BOTH 240 VOLT AND 115 VOLT). THE 240 VOLT, SINGLE PHASE, DEDICATED CIRCUIT (WITH GROUND) SHALL ORIGINATE FROM A LOCKABLE 2 POLE FUSED DISCONNECT (20 AMP RK 5 RATED FUSES) WITH AUXILIARY CONTACT. THE 115 VOLT, SINGLE PHASE, DEDICATED CIRCUIT (WITH GROUND) SHALL ORIGINATE FROM A LOCKABLE DISCONNECT (15 AMP FUSE). ALL ELECTRICAL TO DISCONNECTS SHALL BE PROVIDED AND INSTALLED BY OTHERS AND MUST COMPLY WITH APPLICABLE CODES.

	DISCONNECT SIZE	TIME DELAY FUSE SIZE	VOLTS	PHASE	AMPERAGE
MOTOR & EQUIP	30 AMPS	20 AMPS	230-240	1	20.2 AMPS
CAB LIGHTS	15 AMPS	15 AMPS	115	1	

14- FIELD ELECTRICAL WIRING AND CONNECTIONS TO HALL-CALLS, PIT SWITCH AND INTERLOCKS ARE PROVIDED.

15- LIGHTING SHALL BE A MINIMUM OF 10 FOOT CANDLES (100 LUX) IN CONTROLLER SPACE. THE SWITCH FOR THE LIGHT MUST BE WITHIN 18" (457mm) OF THE HOISTWAY ACCESS. THE LIGHT MUST BE GUARDED TO PREVENT ACCIDENTAL BREAKAGE OR CONTACT WITH THE HOT BULB. THE SWITCH, LIGHT, AND GUARD ARE PROVIDED AND INSTALLED BY OTHERS. (MUST COMPLY WITH APPLICABLE CODES). LIGHTING OF 100 LX MIN. AT PLATFORM AND LANDINGS. LIGHTING WITH SWITCH AND ELECTRICAL GFCI OUTLET IN HOISTWAY PIT.

16- A TELEPHONE CIRCUIT IS REQUIRED; JACK IS PROVIDED AND INSTALLED BY OTHERS. THIS CIRCUIT SHALL BE BROUGHT TO A LOCATION NEXT TO THE CONTROLLER AND BE AVAILABLE TO CONNECT AND TEST UPON ELEVATOR INSTALLATION.

17- THE APPROPRIATE ENVIRONMENT FOR THE ECLIPSE IS BETWEEN 0C TO +40C (32F TO 104F), 20-80% HUMIDITY (NON-CONDENSING). VF DRIVE RELIABILITY IMPROVES IN ENVIRONMENTS WITHOUT WIDE TEMPERATURE FLUCTUATIONS.

18-SAVARIA LINK - NOT APPLICABLE

WHEN CONTROLLER EXTERNAL

19- LOCATION / ACCESS- "CONTROLLER ROOM" LOCATED AT THE LOWEST LEVEL ADJACENT TO HOISTWAY, UNLESS SHOWN OTHERWISE ON THE LAYOUT DRAWINGS. FIELD ADJUSTMENT BY INSTALLER MAY BE NECESSARY TO MEET JOB SITE CONDITIONS OR REGULATIONS. ACCESS TO CONTROLLER ROOM TO BE THROUGH A SELF CLOSING LOCKABLE DOOR WHERE CODE CONSIDER IT AS A MACHINE ROOM.

WHEN APPLICABLE SLEEVES FOR ELECTRIC LINES.

*CODE

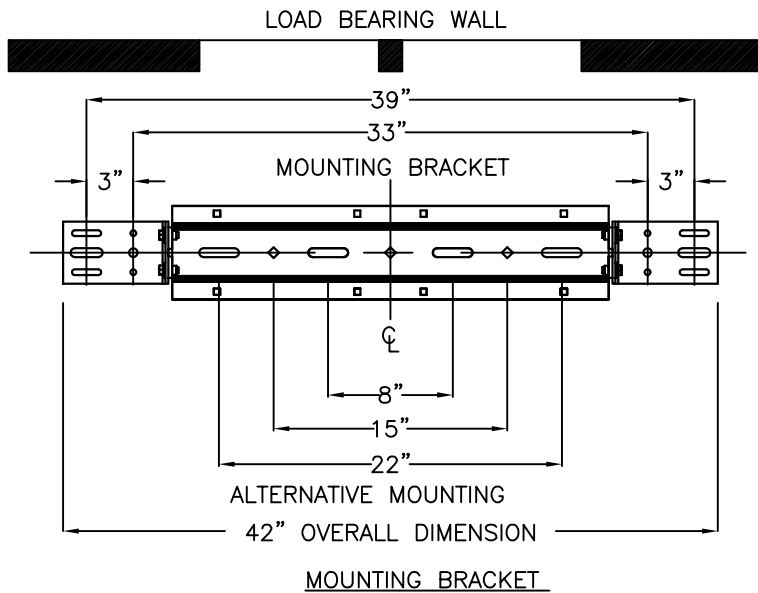
20- ALTHOUGH THE ELEVATOR IS DESIGNED TO MEET CSA B44 [ANSI A17.1], LOCAL CODES MAY VARY. DEALER IS RESPONSIBLE FOR COMPLYING WITH LOCAL CODES.

GENERAL

CLASSIFICATION: _____ Residential Building
 APPLIED CODE: _____ ASME A17.1-2013 SEC. 5.3
 MODEL: _____ Eclipse
 CAPACITY: _____ 950lbs
 NOMINAL SPEED: _____ 40 fpm [0.20 m/s] UP AND DOWN
 TRAVEL: _____ 240 "
 PIT DEPTH: _____ 8 "
 POWER SUPPLY: _____ 60 Hz Single Phase 240 volt

DRIVE UNIT

DRIVE ASSEMBLY MFR. _____ SAVARIA
 MOTOR: _____ 2.0 Hp W/Integral Brake FROM NORD
 GEAR MODEL: _____ 42.17:1 Ratio Gear Box
 MOTOR CONTROLLER: _____ Preprogrammed VF Drive.



FIRST DOOR BY LANDING CHART

	LANDING 1	LANDING 2	LANDING 3
DOOR TYPE	Door by others	Door by others	Door by others
ENTRANCE SIDE	Side C	Side C	Side C
DOOR SWING	Left Hand Swing	Left Hand Swing	Left Hand Swing
LOCK TYPE	Honeywell lock with Door Liner	Honeywell lock with Door Liner	Honeywell lock with Door Liner
AUTO DOOR OPENER			
HALL CALL KEY SWITCH	No	No	No
COP FLOOR MARKING	1	2	3

RAIL FORCES	
*R1	*R2
138.2 kg [304 lbf]	88.2 kg [194 lbf]
RAIL WEIGHT : 24.5 kg / m [18.0 lbs / ft]	

R3 NOTE:
 PIT FLOOR TO SUPPORT LOAD OF:
 2909 kg * (INCLUDES IMPACT)
 [6400 lbs]

4 WALL ANCHOR POINTS MIN. PER BRACKET
 2 PER SIDE OF RAIL BRACKET CENTER LINE
 PULL OUT FORCE PER FASTENER 69 kg [152 lbs]

CAR FINISH DETAILS

CAB PANEL SELECTION: _____ Melamine Karuna Ash
 CAB SPECIAL FINISH: _____ Not applicable
 CEILING SELECTION: _____ standard (white)
 POT LIGHT FINISH: _____ Silver
 TRIM COLOUR: _____ Clear Anodized Aluminum
 CAR STATION PLATE: _____ Stainless Steel/PI
 HAND RAIL TYPE: _____ Cylindrical S/S #4 Finish
 CAB FLOORING: _____ Plywood Floor 3/4"
 FINISHED FLOOR THICKNESS: _____ 3/4" finish
 TELEPHONE BOX: _____ Telephone Box Required
 TELEPHONE BOX FINISH: _____ s/s
 HALL CALL STATIONS: _____ Call Stations are the Same
 HALL CALL FINISH: _____ Rectangular S/S #4 Finish
 HALL CALL DIGITAL DISPLAY: _____ Not applicable

CAR DIMENSIONS/PLATFORM GATES

CAB TYPE: _____ Type 1 Right Hand
 CAB OPERATION: _____ auto
 GATES REQUIRED: _____ Automatic Op. Gate(s)
 GATE TYPE: _____ Cust Gt Clr Frame(Choose Insr)
 GATE FINISH: _____ All Bronze Plexi : Hard Hinges /locking mechanism
 LANDING DOOR FINISH: _____ N/A

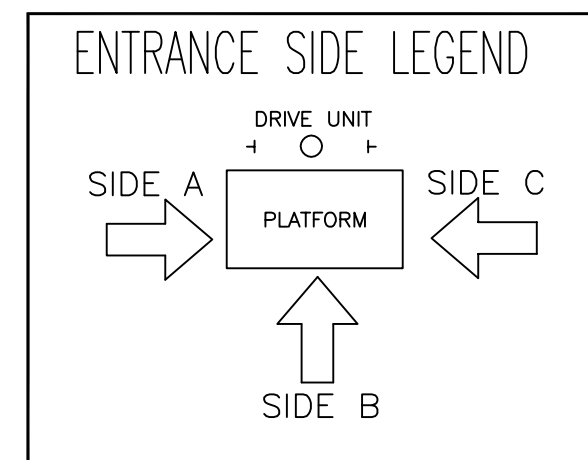
SUSPENSION

TYPE: _____ DUAL #60 ROLLER CHAIN RATIO 1:1
 CONSTRUCTION: _____ ANSI B29.1
 NOMINAL STRENGTH: _____ 9020 LBS PER CHAIN
 CHAIN LENGTH: _____ 281 "
 SAFETIES: _____ TYPE A

OPTIONS

FASTENERS: _____ Lag Bolts
 ADDITIONAL CABLE: _____ 25
 TEMP. RUN BUTTON: _____ Temp Run Button not included
 DISCONNECT: _____ By Others
 BUFFER SPRING: _____ no
 PHONE: _____ Standard Phone Provided
 TRAVELING CABLE: _____ Flat Travelling Cable provided
 LED POT LIGHT: _____ LED Pot Light
 FLOOD SWITCH: _____ Not Required
 ECLIPSE WHEELS UPGRADE: _____ Guide shoe
 CW SAFETY REQUIRED: _____ No
 FAN OPTION: _____ Not Applicable
 NY CAM KIT: _____ No
 CONCURRENT LANDINGS: _____ No Concurrent Landings
 LANDING DOOR LINER: _____ Yes

RELEASE FOR CONSTRUCTION
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Part No.	ECLIPSE
Variant No.	1103006

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DATA SHEET

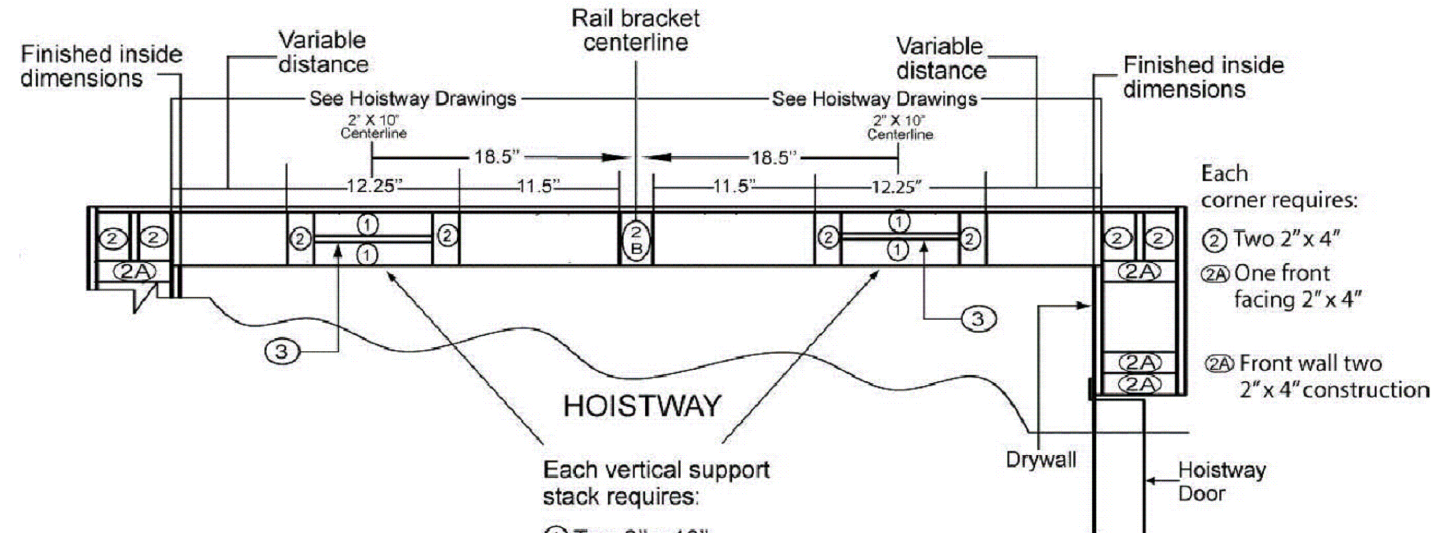
CUSTOMER:	K O L I F T S	DATE:	07-06-23
PROJECT:	Marcus & Kelsie Smith	REVISION DATE:	07-10-23
ADDRESS:	2107 SW Hook Farm Drive ,Lee's Summit Missouri ,USA, 64082	COMPLETED BY:	bkoeh@kclift.com

JOB No.	Smith	SHEET No.	3 OF 5
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NOTE:

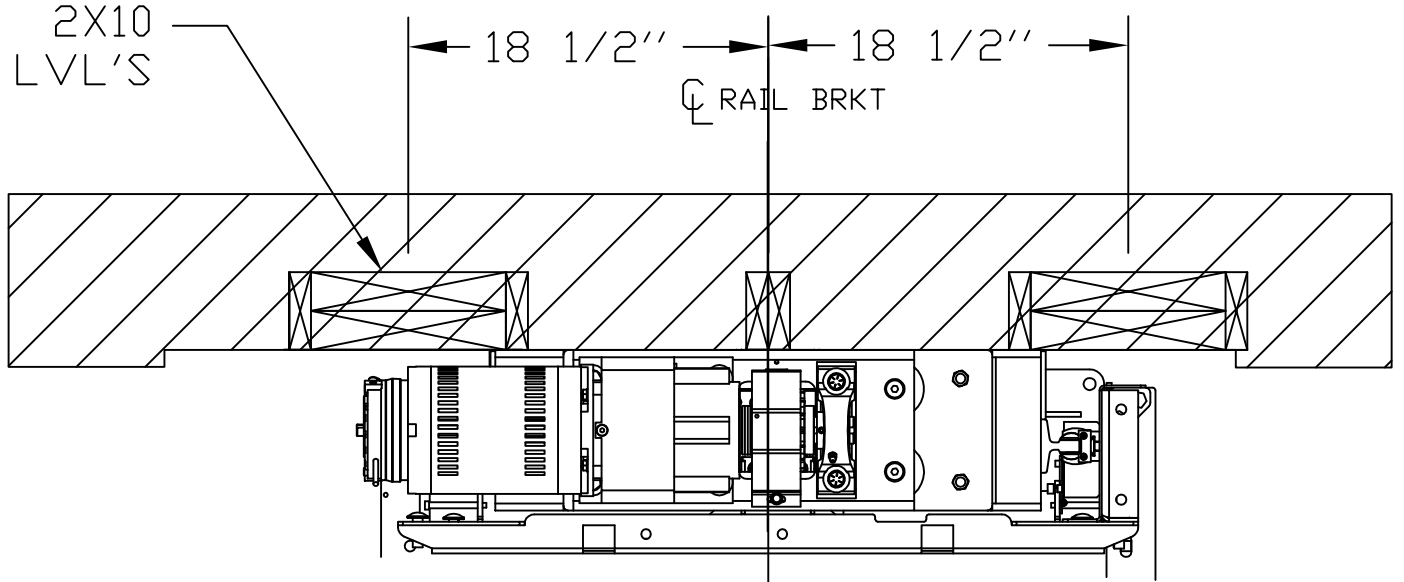
- 1: THIS DRAWING IS FOR REFERENCE ONLY. BUILDING STRUCTURAL ENGINEER TO ENSURE THAT THE BUILDING AND HOISTWAY WILL SAFELY SUPPORT ALL LOADS IMPOSED BY THE LIFT EQUIPMENT
2. FIRE RATING OF HOISTWAY IS SUBJECT TO LOCAL BUILDING CODES.

EXAMPLE OF MINIMUM SUPPORT WALL IN WOOD



- Each vertical support stack requires:
- ① Two 2" x 10"
 - ② Two 2" x 4"
 - ②B Center 2" x 4"
 - ③ One 1/2" piece of plywood between the 2" x 10"

- Each corner requires:
- ② Two 2" x 4"
 - ②A One front facing 2" x 4"
 - ②A Front wall two 2" x 4" construction



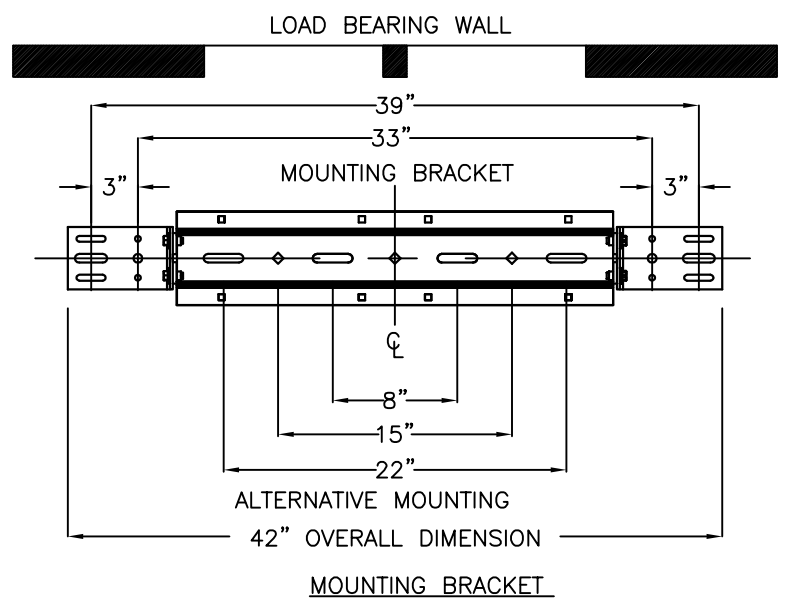
SUPPORT WALL REFERENCE

RAIL FORCES	
* R1	* R2
138.2 kg [304 lbf]	88.2 kg [194 lbf]
RAIL WEIGHT : 24.5 kg / m [18.0 lbs / ft]	

R3 NOTE:
PIT FLOOR TO SUPPORT LOAD OF:
2909 kg
[6400 lbs]* (INCLUDES IMPACT)

4 WALL ANCHOR POINTS MIN. PER BRACKET
2 PER SIDE OF RAIL BRACKET CENTER LINE
PULL OUT FORCE PER FASTENER 69 kg [152 LBS]

FASTENERS PROVIDED WITH ELEVATOR ARE:
1/2" X 3" ZINC GRADE 5 CARBON STEEL
HEX HEAD LAG FOR WOOD BLOCKING OR
1/2" X 3" HEX NUT SLEEVE ANCHOR
STEEL ZINC FOR CONCRETE BLOCKING



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02/13/2024

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MODULE VERSION STAMP: E-S-7.4.6.7

Part No. ECLIPSE
Variant No. 1103006

CUSTOMER: **KOCH LIFTS**
PROJECT: **Marcus & Kelsie Smith**
ADDRESS: **2107 SW Hook Farm Drive, Lee's Summit Missouri, USA, 64082**
DATE: 07-06-23
REVISION DATE: 07-10-23
COMPLETED BY: **bkoch@kclift.com**

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JOB No. **Smith** SHEET No. **4 OF 5**

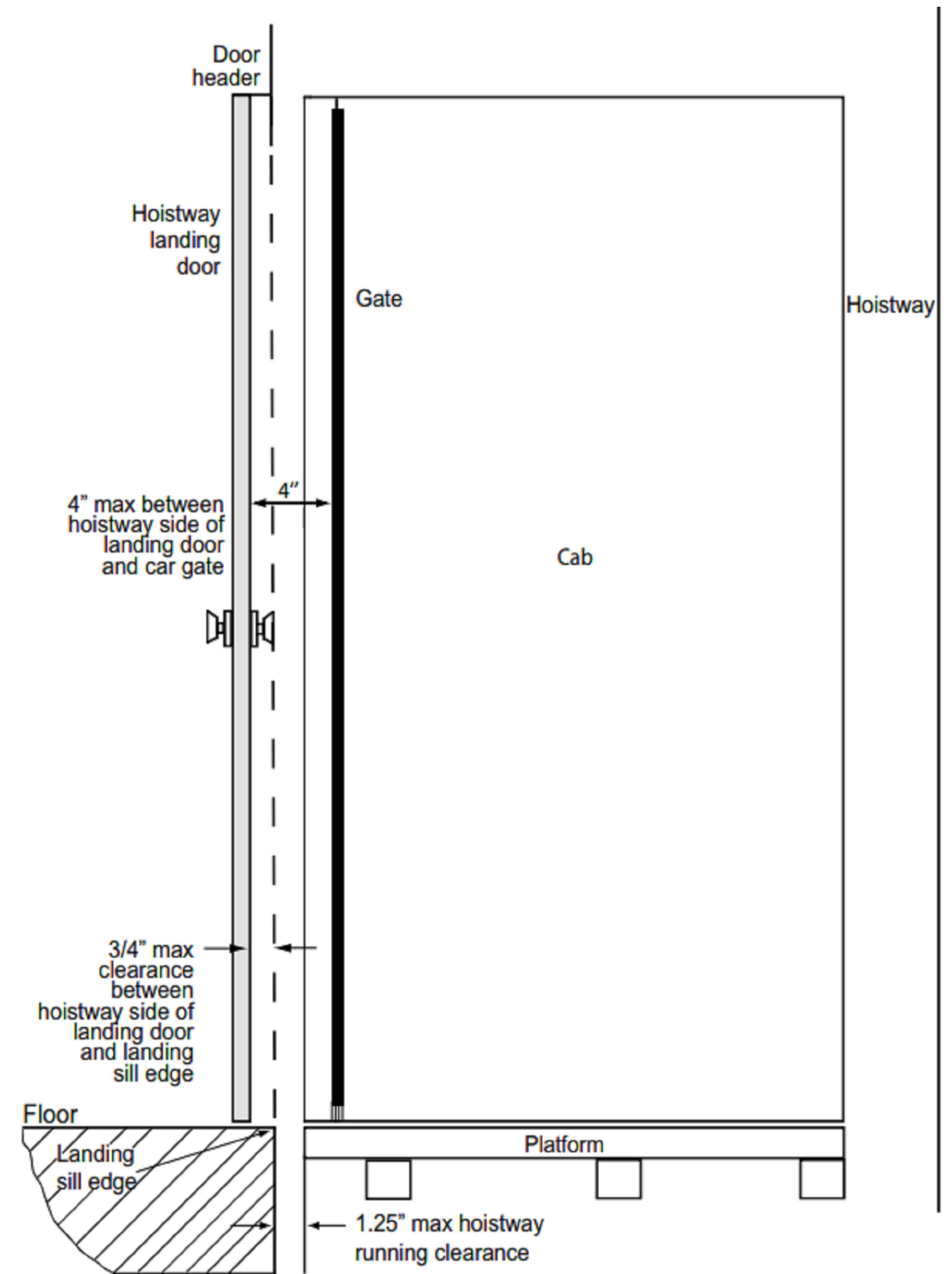
ASME A17.1/CSA B44 SAFETY CODE FOR ELEVATORS AND ESCALATORS (2016 AND BEYOND) MANDATES THE FOLLOWING MAXIMUM HOISTWAY DOOR CLEARANCES:

- CLEARANCE BETWEEN THE HOISTWAY SIDE OF THE LANDING DOOR AND THE EDGE OF THE LANDING SILL SHALL NOT EXCEED 0.75" (19 MM)
- DISTANCE BETWEEN THE HOISTWAY SIDE OF THE LANDING DOOR OR GATE AND THE CAR DOOR OR GATE SHALL NOT EXCEED 4" (102 MM).
- RESIDENTIAL ELEVATOR DESIGN IS WITH A MAXIMUM 1.25" (32 MM) RUNNING CLEARANCE.

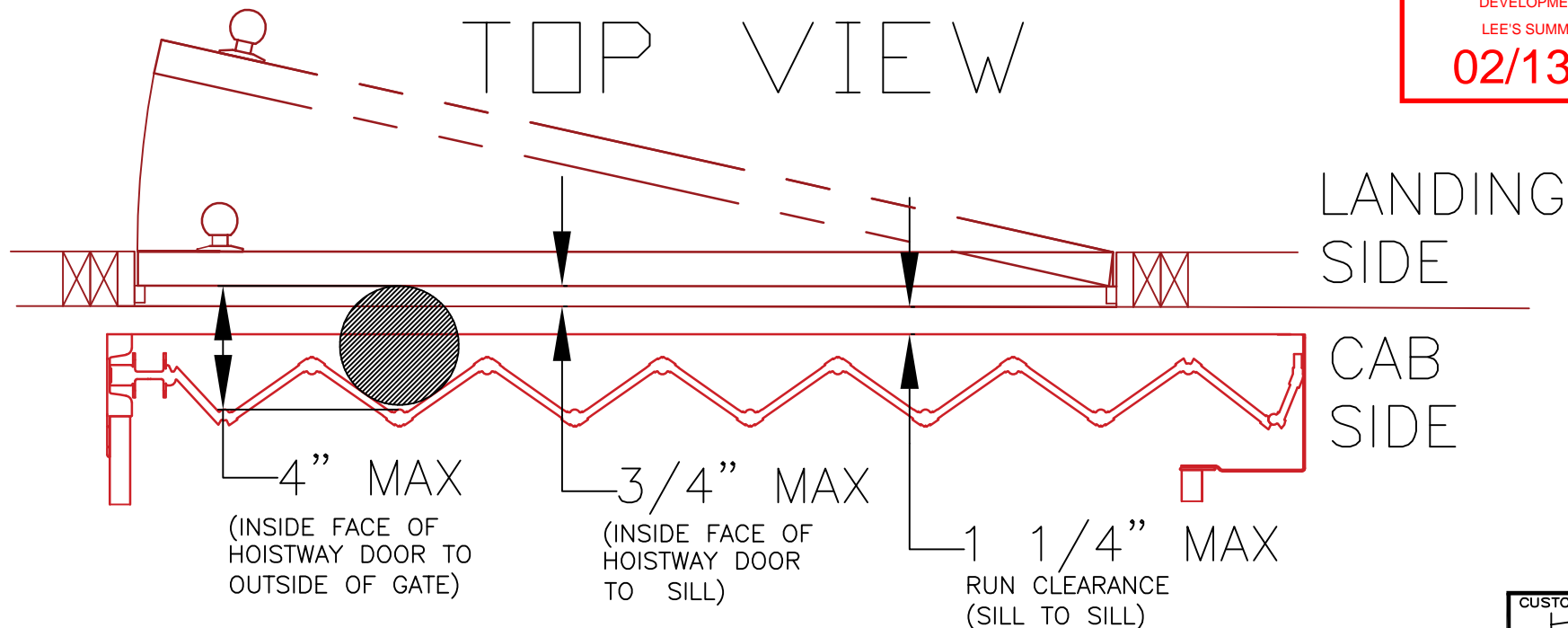
FOR ANY PREVIOUS EDITION OF A17.1/B44 THAT MAY STILL BE ENFORCED IN YOUR AUTHORITY HAVING JURISDICTION, THE CPSC & SAVARIA MANDATES ALL IT'S HOME ELEVATORS TO BE INSTALLED PER THE LATEST REQUIREMENTS OF THE STANDARD

ADDITIONAL REQUIREMENT: ALL SWING DOORS PROVIDED BY OTHERS MUST BE OF SOLID CORE CONSTRUCTION AS HOLLOW DOORS DO NOT RESPECT DEFLECTION AND PULL OUT FORCE REQUIREMENTS OF THE CODE.

SIDE VIEW



TOP VIEW



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3/4-4" RULE

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Part No. ECLIPSE
Variant No. 1103006

CUSTOMER: **KOCLIFTS**
PROJECT: **Marcus & Kelsie Smith**
ADDRESS: **2107 SW Hook Farm Drive, Lee's Summit Missouri, USA, 64082**
DATE: **07-06-23**
REVISION DATE: **07-10-23**
COMPLETED BY: **bkoch@kclift.com**

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JOB No. **Smith** SHEET No. **5 OF 5**