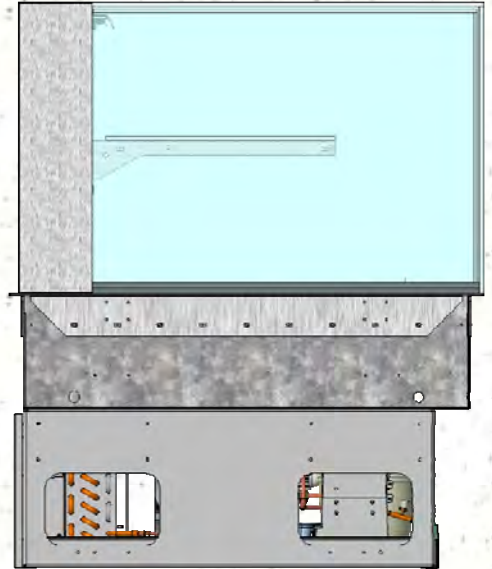
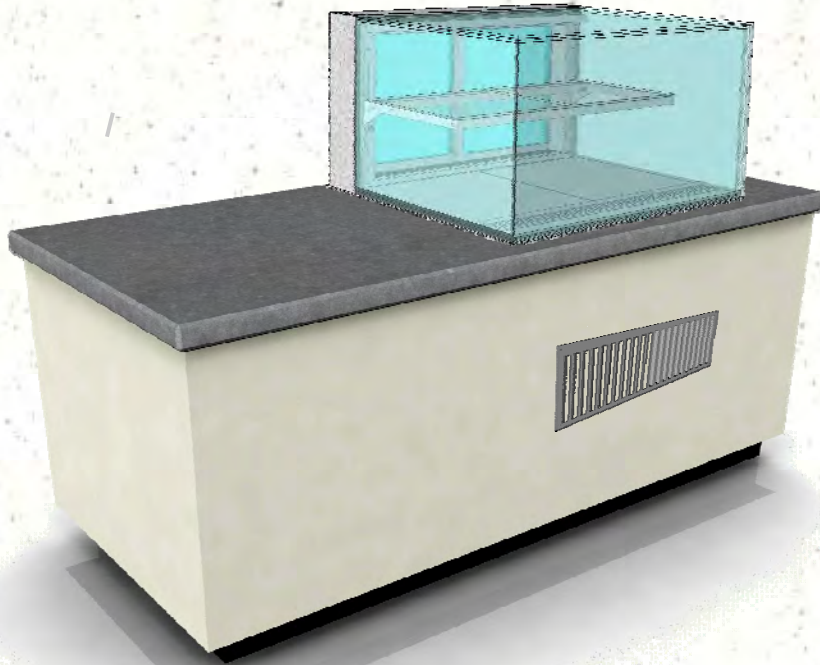


CAREFULLY FOLLOW THESE INSTRUCTIONS

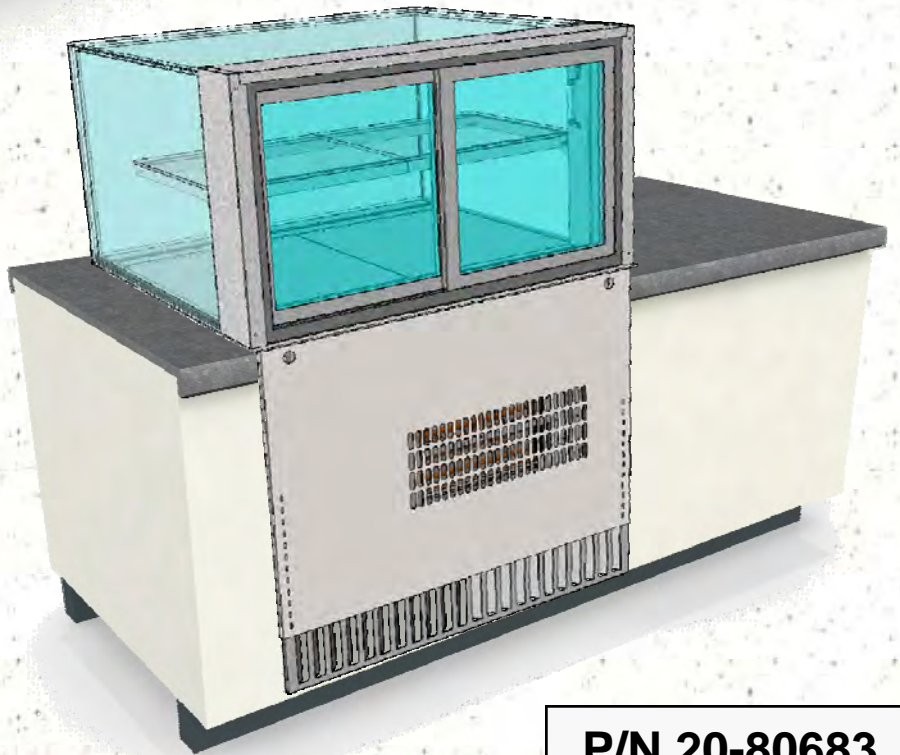
Reveal[®] SERVICE COUNTER INSTALLATION GUIDE

SECTION A: SERVICE CASES WITH EXHAUST GRILLE(S) AT OPPOSITE SIDE OF INTAKE

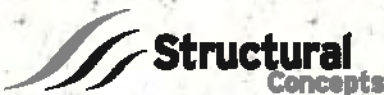
SECTION B: SERVICE CASES WITH EXHAUST GRILLE(S) AT INTAKE SIDE OF CASE



**This Guide Is
Applicable To
Structural Concepts
Reveal[®] Models
NE(L)(H)RSV**



P/N 20-80683



Structural Concepts Corporation · 888 E. Porter Road · Muskegon, MI 49441 Phone: 231.798.8888 Fax: 231.798.4960 · www.structuralconcepts.com

TABLE OF CONTENTS

TABLE OF CONTENTS	2
OVERVIEW	3
SECTION A: UNITS WITH EXHAUST GRILLE AT OPPOSITE SIDE OF INTAKE	4
SERVICE TOP CUTOUT DIMENSIONS / MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS	5
AIRFLOW CLEARANCE REQUIREMENTS - REAR INTAKE TO FRONT TOE-KICK EXHAUST ONLY	6
AIRFLOW CLEARANCE REQUIREMENTS	7
AIRFLOW CLEARANCE REQUIREMENTS - REAR INTAKE TO FRONT EXHAUST GRILLE ONLY	8
AIRFLOW CLEARANCE REQUIREMENTS - FRONT INTAKE TO REAR EXHAUST GRILLE ONLY	9
SECTION B: UNITS WITH EXHAUST GRILLE AT INTAKE SIDE OF CASE	10
SERVICE TOP CUTOUT DIMENSIONS / MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS	11
AIRFLOW CLEARANCE REQUIREMENTS - INTAKE AND EXHAUST AT REAR (DESIGN IS APPLICABLE TO INTAKE & EXHAUST AT FRONT)	12
AIRFLOW CLEARANCE REQUIREMENTS - REAR INTAKE TO REAR EXHAUST ONLY	13
AIRFLOW CLEARANCE REQUIREMENTS - FRONT INTAKE TO FRONT EXHAUST ONLY	14

OVERVIEW:

1. THE IDEAL CONDITION FOR REAR OF CABINET IS TO HAVE COMPLETE OPEN SPACE (WITH NO DOORS OR BLOCKING OF AIRFLOW WHATSOEVER).
2. SHOULD CABINET DOORS BE DESIRED, LOUVERS (OR SCREENING) MUST BE PROVIDED THAT MEET AIRFLOW & EXHAUST REQUIREMENTS LISTED IN THIS GUIDE.
3. THE MERCHANDISERS LISTED HEREIN HAVE SPECIFIC 'MINIMUM' VENTILATION REQUIREMENTS. ADDITIONAL VENTILATION IS RECOMMENDED TO MAINTAIN ACCEPTABLE MERCHANDISING TEMPERATURES.
4. UNITS WITH REAR CONDENSER PACKAGE SLIDE-OUT MUST MAINTAIN AT LEAST 36" SPACE BETWEEN CABINET REAR AND WALL (TO ALLOW FOR SERVICE).
5. UNITS WITH FRONT CONDENSER PACKAGE SLIDE-OUT (AND EXHAUST GRILLES AT OPPOSITE SIDE OF INTAKE) MUST MAINTAIN AT LEAST 3" SPACE BETWEEN CABINET REAR AND WALL TO ALLOW FOR PROPER AIRFLOW.
6. CABINET MUST BE CONSTRUCTED TO HOLD THE WEIGHT OF THE CASE. CASE IS SUPPORTED ON THREE SIDES (FRONT/LEFT/RIGHT) BY A TRIM RING.

**SECTION A:
UNITS WITH
EXHAUST
GRILLES AT
OPPOSITE
SIDE OF
INTAKE**

SERVICE TOP CUTOUT DIMENSIONS / MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MIN. AIRFLOW INTAKE & EXHAUST REQUIREMENTS / SERVICE TOP CUTOUT DIMENSIONS

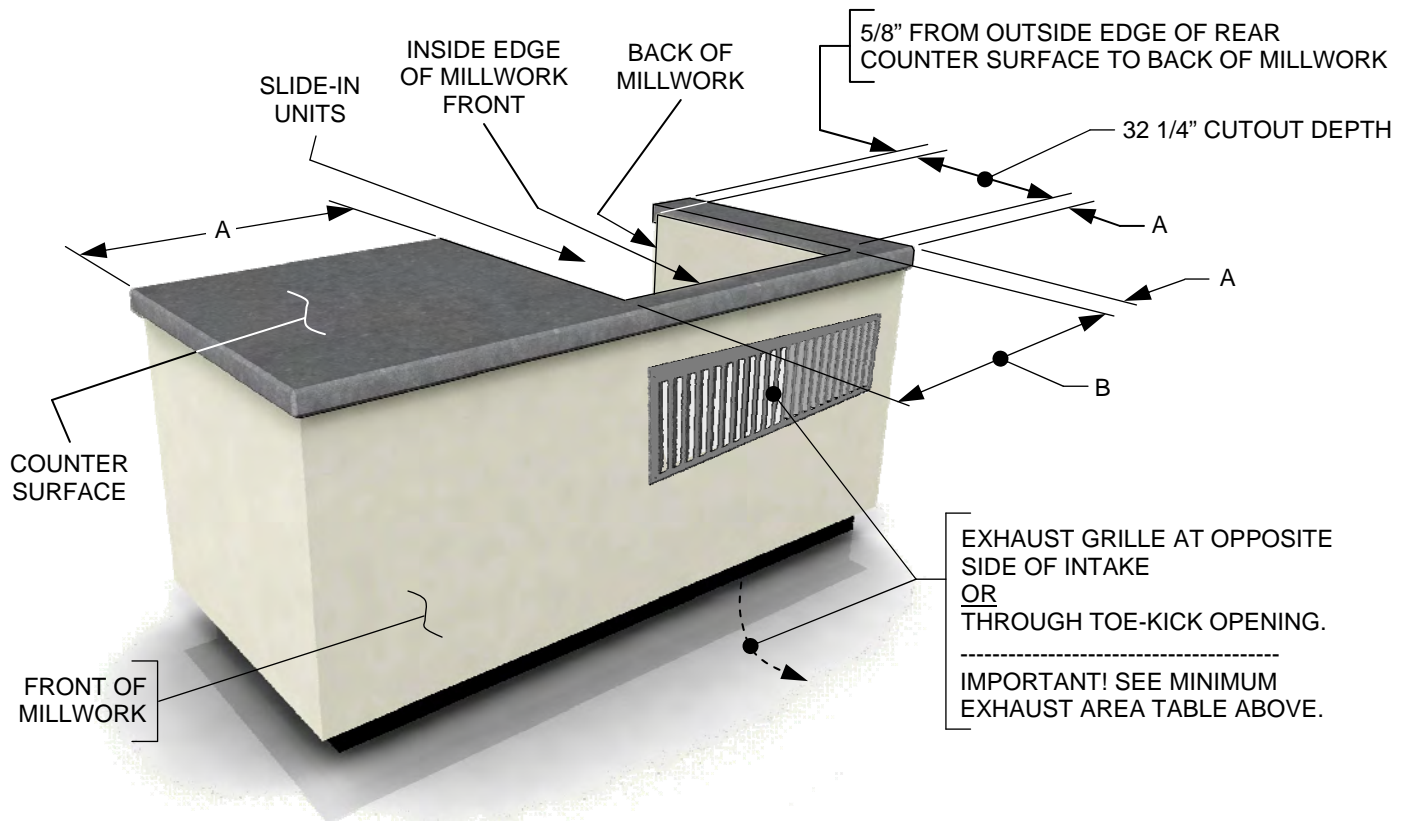
MODELS	A*	B**	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	1 1/2" MINIMUM	35"	96	132
NE3620RSV	1 1/2" MINIMUM	35"	96	132
NE3627RSV	1 1/2" MINIMUM	35"	96	132
NE3635RSV	1 1/2" MINIMUM	35"	96	132
NE4813RSV	1 1/2" MINIMUM	47"	96	132
NE4820RSV	1 1/2" MINIMUM	47"	96	132
NE4827RSV	1 1/2" MINIMUM	47"	96	132
NE4835RSV	1 1/2" MINIMUM	47"	96	132

IMPORTANT! YOU MUST CONSTRUCT BASE TO DIVERT EXHAUST AWAY FROM INTAKE!

* 1 1/2" MINIMUM FROM OUTSIDE EDGE OF COUNTER SURFACE TO CUTOUT

** COUNTER SURFACE CUTOUT WIDTH

~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.



--- Airflow Intake & Exhaust Requirements ---
 --- Service Top Slide-In Unit Dimensions ---

AIRFLOW CLEARANCE REQUIREMENTS - REAR INTAKE TO FRONT TOE-KICK EXHAUST ONLY

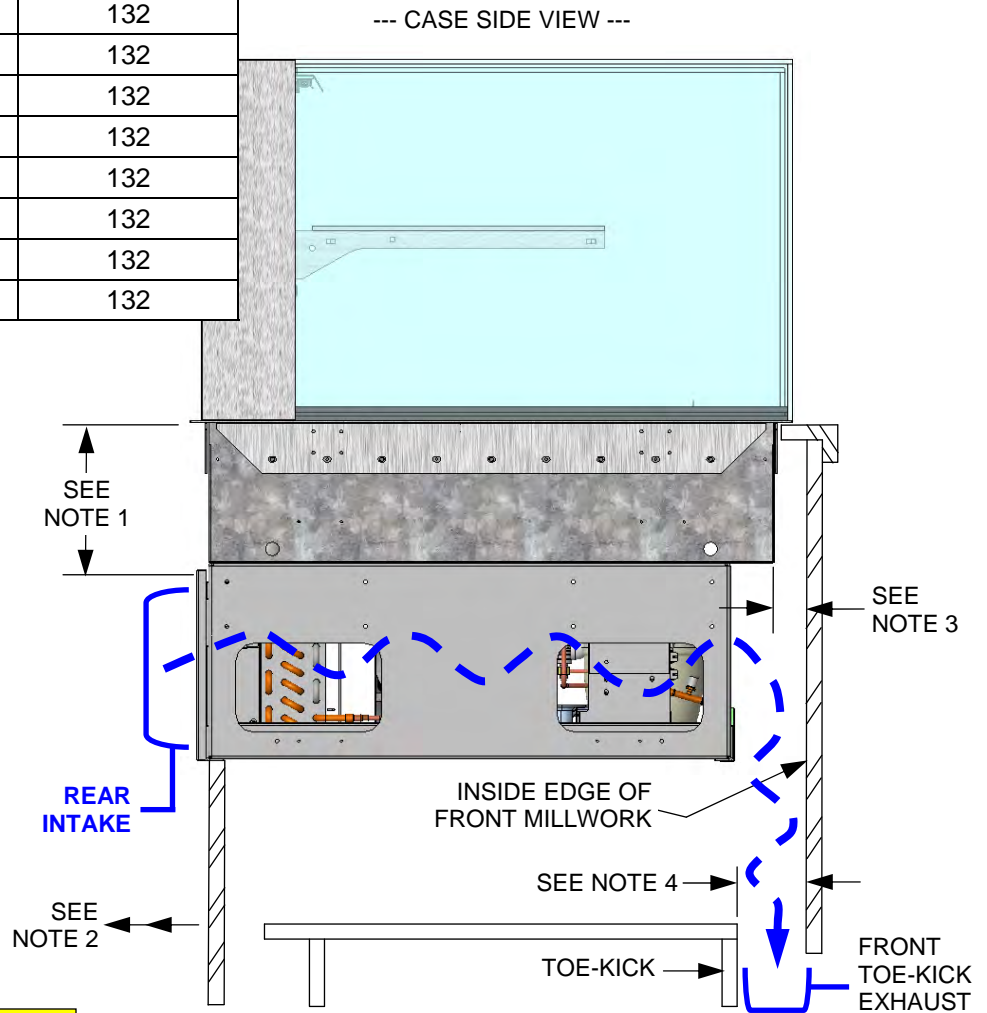
AIRFLOW CLEARANCE REQUIREMENTS - FRONT TOE-KICK EXHAUST ONLY

1	9 1/2" maximum countertop/fascia enclosure space allowed on cabinets or counter for condenser package slide-out.
2	36" minimum opening at back of cabinet or counter required to allow condenser package to slide out from under case.
3	1 1/2" minimum space from sides of case to internal sides of cabinetry is required for adequate airflow for units with front toe-kick exhaust only.
4	2 3/4" minimum unobstructed toe-kick opening is required for adequate airflow for units with front toe-kick exhaust only.

AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	96	132
NE3620RSV	96	132
NE3627RSV	96	132
NE3635RSV	96	132
NE4813RSV	96	132
NE4820RSV	96	132
NE4827RSV	96	132
NE4835RSV	96	132

~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.



--- Airflow Clearance Requirements ---
 (Side View / Pre-Install) / Model NE3620RSV
 Is Shown Above / Your Model May Vary

**IMPORTANT! YOU MUST
 CONSTRUCT BASE TO DIVERT
 EXHAUST AWAY FROM INTAKE!**

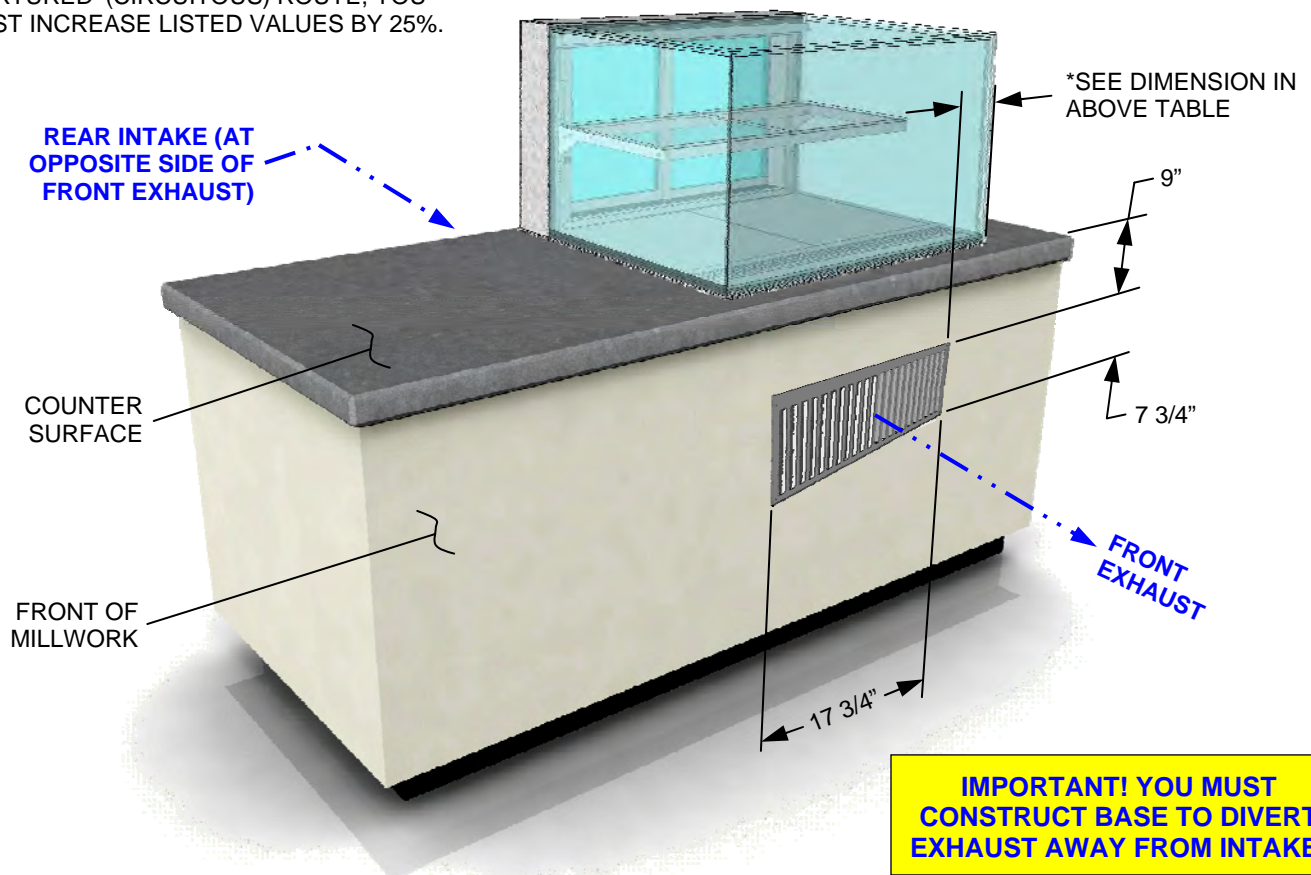
AIRFLOW CLEARANCE REQUIREMENTS

AIRFLOW CLEARANCE REQUIREMENTS

- 1 Cabinetry MUST provide access space to allow rear slide-out of condenser package (or front slide-out package, depending upon options chosen). You must carefully measure before building!
- 2 Note: Rear condenser package access is shown. However, these instructions are also applicable to front access units.

MODEL	DISTANCE FROM CUTOUT OF INNER COUNTER SURFACE TO EDGE OF FRONT EXHAUST GRILLE*	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	12 5/8"	96	132
NE3620RSV	12 5/8"	96	132
NE3627RSV	12 5/8"	96	132
NE3635RSV	12 5/8"	96	132
NE4813RSV	18 5/8"	96	132
NE4820RSV	18 5/8"	96	132
NE4827RSV	18 5/8"	96	132
NE4835RSV	18 5/8"	96	132

~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.



--- Airflow Clearance Requirements ---

(Note: Unit With Rear Condenser Package Access Shown Above / Instructions Are Applicable to Units With Front Condenser Package Access) ---

AIRFLOW CLEARANCE REQUIREMENTS - REAR INTAKE TO FRONT EXHAUST ONLY

AIRFLOW CLEARANCE REQUIREMENTS

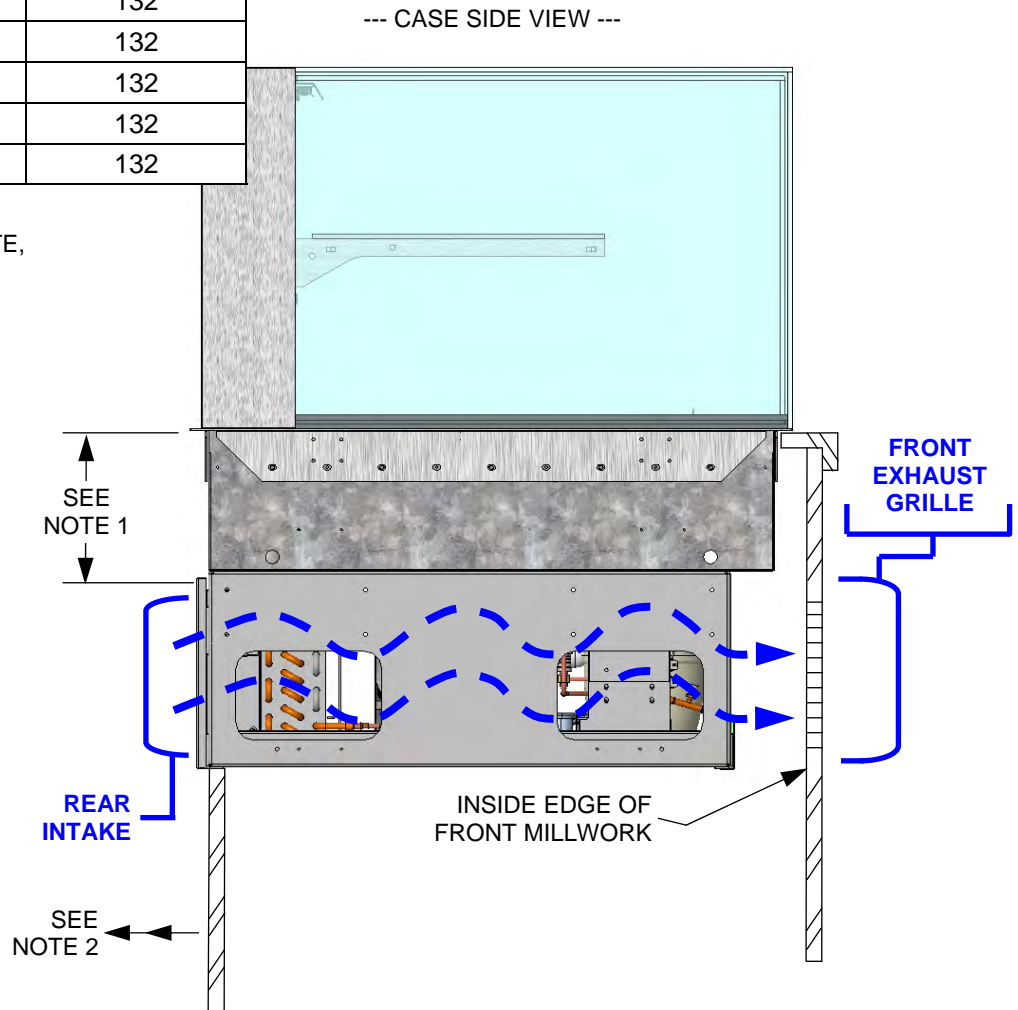
- 1 9 1/2" maximum countertop/fascia enclosure space allowed on cabinets or counter for condenser package slide-out.
- 2 36" minimum opening at back of cabinet or counter required to allow condenser package to slide out from under case.

AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	96	132
NE3620RSV	96	132
NE3627RSV	96	132
NE3635RSV	96	132
NE4813RSV	96	132
NE4820RSV	96	132
NE4827RSV	96	132
NE4835RSV	96	132

~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.

IMPORTANT! YOU MUST CONSTRUCT BASE TO DIVERT EXHAUST AWAY FROM INTAKE!



--- Airflow Clearance Requirements ---
 (Side View / Pre-Install) / Model NE3620RSV Is Shown Above /
 Your Model May Vary

AIRFLOW CLEARANCE REQUIREMENTS - FRONT INTAKE TO REAR EXHAUST ONLY

AIRFLOW CLEARANCE REQUIREMENTS

- 1 9 1/2" maximum countertop/fascia enclosure space allowed on cabinets or counter for condenser package slide-out.
- 2 3" minimum space from rear of case to wall for adequate airflow.

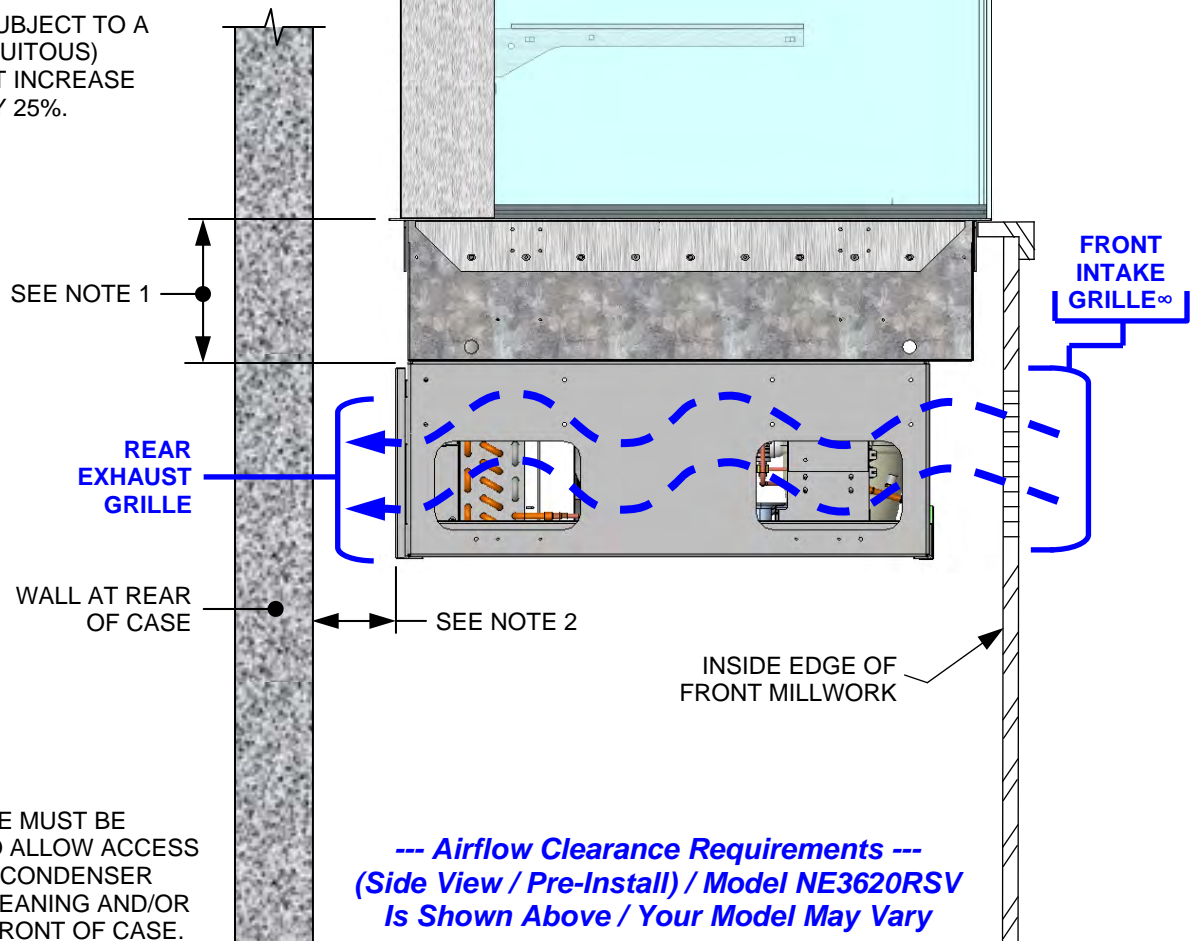
AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	96	132
NE3620RSV	96	132
NE3627RSV	96	132
NE3635RSV	96	132
NE4813RSV	96	132
NE4820RSV	96	132
NE4827RSV	96	132
NE4835RSV	96	132

IMPORTANT! YOU MUST CONSTRUCT BASE TO DIVERT EXHAUST AWAY FROM INTAKE!

--- CASE SIDE VIEW ---

~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.



∞NOTE: BASE MUST BE CONSTRUCTED TO ALLOW ACCESS TO SLIDE-OUT CONDENSER PACKAGE FOR CLEANING AND/OR SERVICE FROM FRONT OF CASE.

--- Airflow Clearance Requirements ---
 (Side View / Pre-Install) / Model NE3620RSV
 Is Shown Above / Your Model May Vary

SECTION B:
UNITS WITH
EXHAUST
GRILLES AT
INTAKE
SIDE OF
CASE

SERVICE TOP CUTOUT DIMENSIONS / MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MIN. AIRFLOW INTAKE & EXHAUST REQUIREMENTS / SERVICE TOP CUTOUT DIMENSIONS

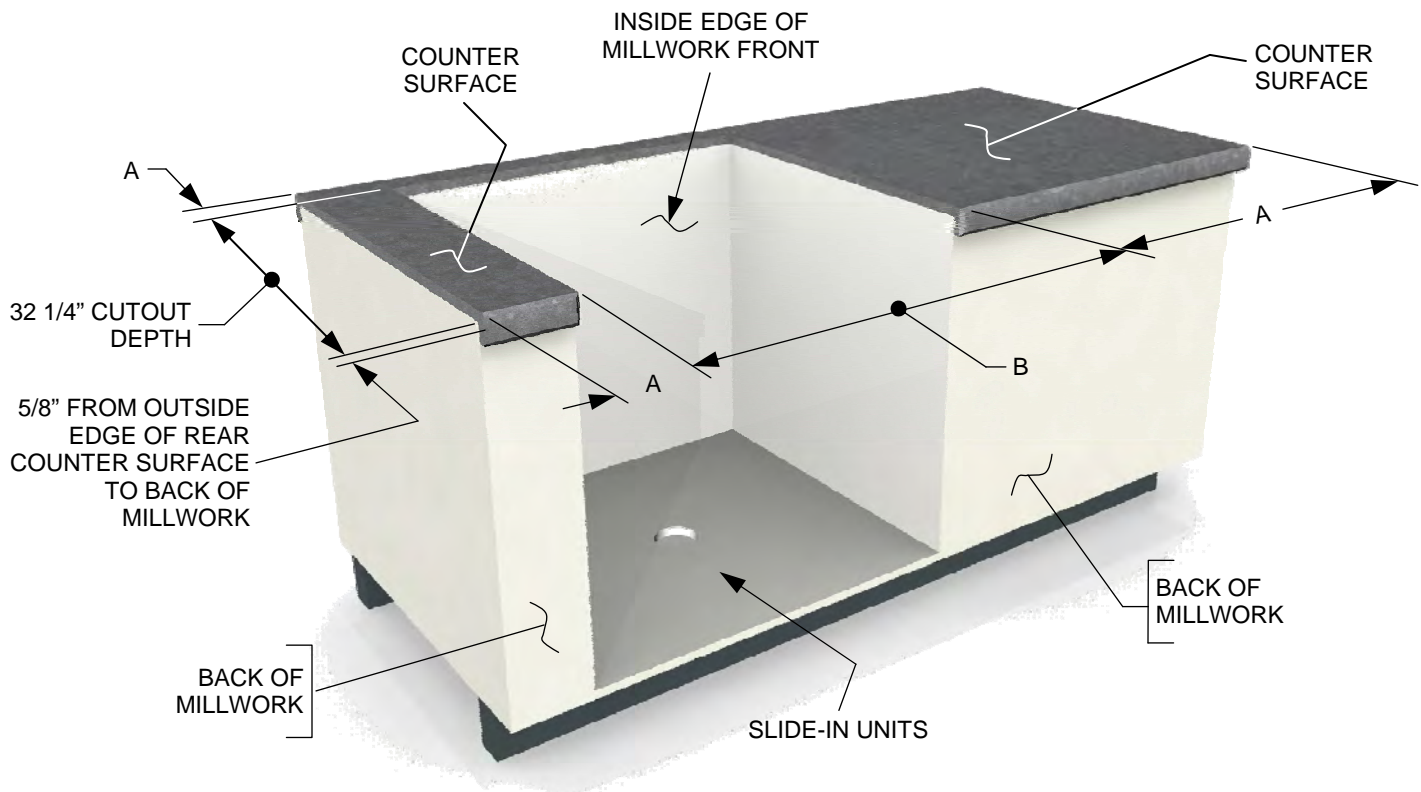
MODELS	A*	B**	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	1 1/2" MINIMUM	35"	96	132
NE3620RSV	1 1/2" MINIMUM	35"	96	132
NE3627RSV	1 1/2" MINIMUM	35"	96	132
NE3635RSV	1 1/2" MINIMUM	35"	96	132
NE4813RSV	1 1/2" MINIMUM	47"	96	132
NE4820RSV	1 1/2" MINIMUM	47"	96	132
NE4827RSV	1 1/2" MINIMUM	47"	96	132
NE4835RSV	1 1/2" MINIMUM	47"	96	132

* 1 1/2" MINIMUM FROM OUTSIDE EDGE OF COUNTER SURFACE TO CUTOUT

** COUNTER SURFACE CUTOUT WIDTH

~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.

IMPORTANT! YOU MUST CONSTRUCT BASE TO DIVERT EXHAUST AWAY FROM INTAKE!



--- Airflow Intake & Exhaust Requirements ---
 --- Service Top Slide-In Unit Dimensions ---

AIRFLOW CLEARANCE REQUIREMENTS - INTAKE AND EXHAUST AT REAR

AIRFLOW CLEARANCE REQUIREMENTS

1	1 1/2" minimum space is required at inside edge of front millwork to case's fascia to allow proper air intake and exhaust. See illustration and note #3 on next page.
2	Cabinetry MUST provide access space to allow rear slide-out of condenser package (or front slide-out package, depending upon options chosen). See illustration and note #2 on next page. You must measure before building!

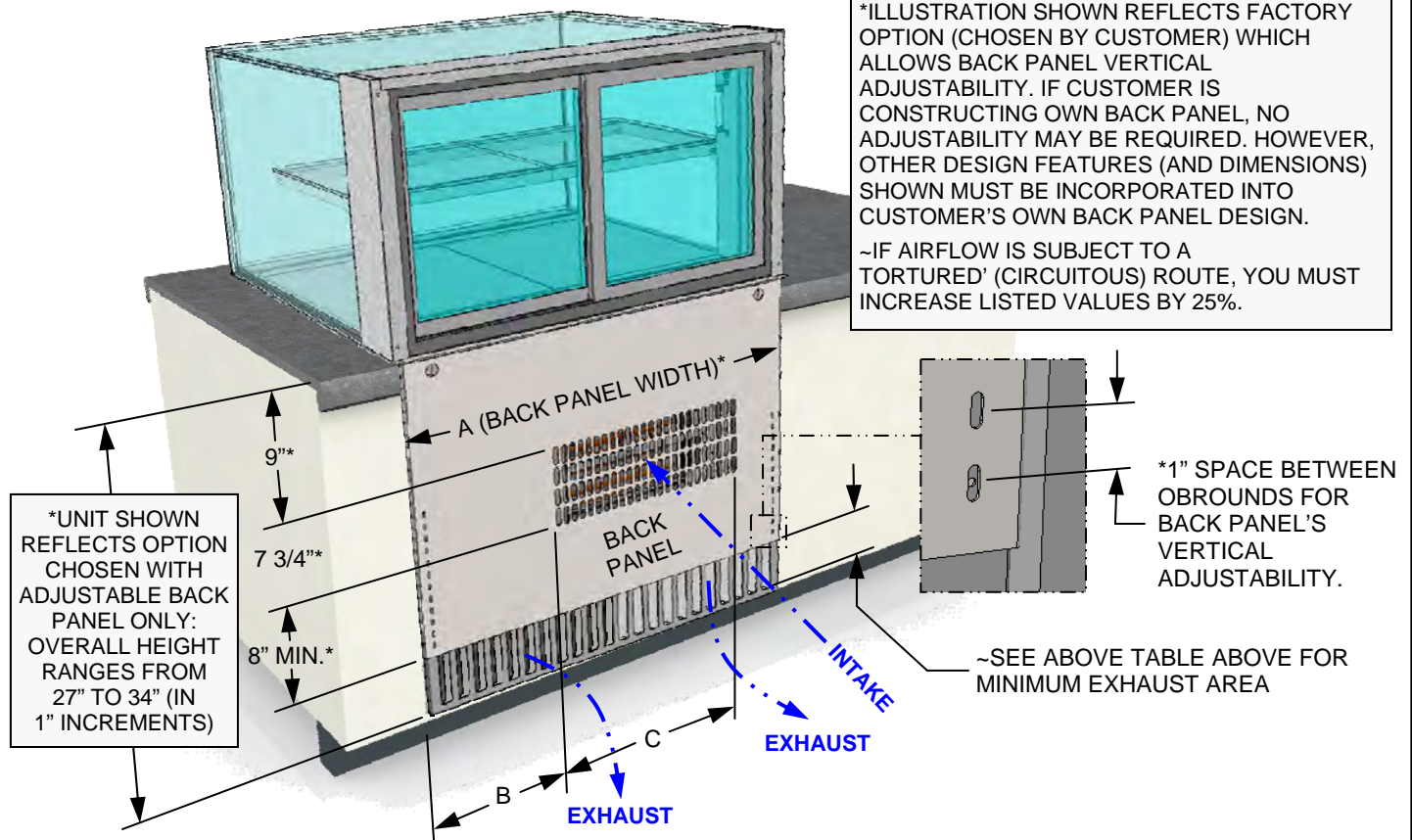
MODEL	A*	B	C	MIN. INTAKE (in ²)~	MIN. EXHAUST (in ²)~
NE3613RSV	34 5/8"	12 5/8"	17 3/4"	96	132
NE3620RSV	34 5/8"	12 5/8"	17 3/4"	96	132
NE3627RSV	34 5/8"	12 5/8"	17 3/4"	96	132
NE3635RSV	34 5/8"	12 5/8"	17 3/4"	96	132
NE4813RSV	46 5/8"	18 5/8"	17 3/4"	96	132
NE4820RSV	46 5/8"	18 5/8"	17 3/4"	96	132
NE4827RSV	46 5/8"	18 5/8"	17 3/4"	96	132
NE4835RSV	46 5/8"	18 5/8"	17 3/4"	96	132

~IMPORTANT! EXHAUST MUST BE DIVERTED AWAY FROM INTAKE!

∞NOTE: THIS LAYOUT OF REAR INTAKE/ EXHAUST IS ALSO APPLICABLE TO UNITS WITH FRONT INTAKE/EXHAUST. SEE NEXT TWO (2) PAGES FOR SIDE VIEWS OF BOTH DESIGNS.

*ILLUSTRATION SHOWN REFLECTS FACTORY OPTION (CHOSEN BY CUSTOMER) WHICH ALLOWS BACK PANEL VERTICAL ADJUSTABILITY. IF CUSTOMER IS CONSTRUCTING OWN BACK PANEL, NO ADJUSTABILITY MAY BE REQUIRED. HOWEVER, OTHER DESIGN FEATURES (AND DIMENSIONS) SHOWN MUST BE INCORPORATED INTO CUSTOMER'S OWN BACK PANEL DESIGN.

-IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.



*UNIT SHOWN REFLECTS OPTION CHOSEN WITH ADJUSTABLE BACK PANEL ONLY: OVERALL HEIGHT RANGES FROM 27" TO 34" (IN 1" INCREMENTS)

~SEE ABOVE TABLE ABOVE FOR MINIMUM EXHAUST AREA

--- Airflow Clearance Requirements ---

(Note: Slide-In Unit With Rear Condenser Package Access Shown Above)

AIRFLOW CLEARANCE REQUIREMENTS - REAR INTAKE TO REAR EXHAUST ONLY

AIRFLOW CLEARANCE REQUIREMENTS

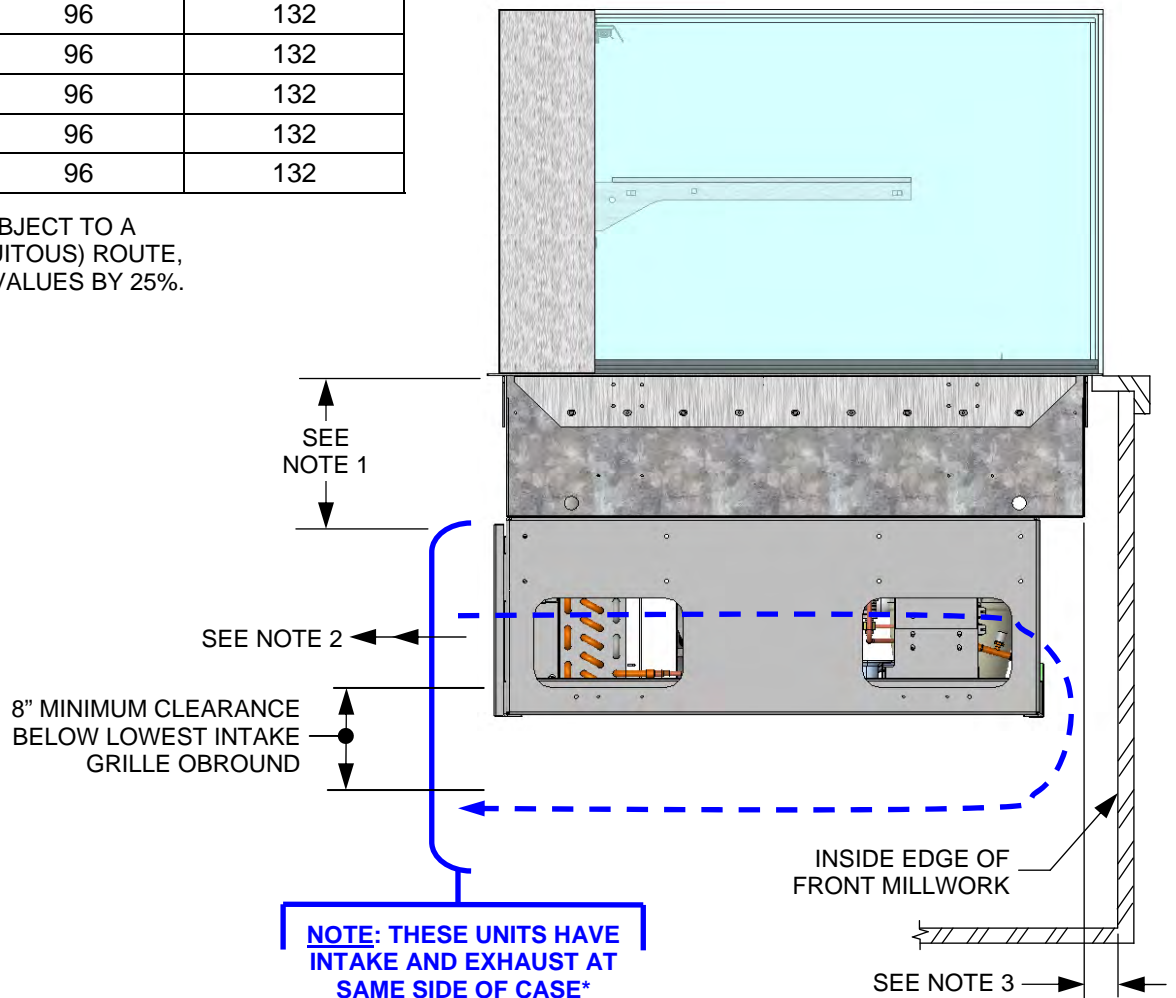
1	9 1/2" maximum countertop/fascia enclosure space allowed on cabinets or counter for condenser package slide-out.
2	36" minimum opening at back of cabinet or counter required to allow condenser package to slide out from under case.
3	1 1/2" minimum space is required at inside edge of front millwork to case's fascia to allow proper air intake & exhaust.

AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	96	132
NE3620RSV	96	132
NE3627RSV	96	132
NE3635RSV	96	132
NE4813RSV	96	132
NE4820RSV	96	132
NE4827RSV	96	132
NE4835RSV	96	132

~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, INCREASE LISTED VALUES BY 25%.

*** IMPORTANT! EXHAUST MUST BE DIVERTED AWAY FROM INTAKE! SEE ILLUSTRATION ON PREVIOUS PAGE.**



NOTE: THESE UNITS HAVE INTAKE AND EXHAUST AT SAME SIDE OF CASE*

**--- Airflow Clearance Requirements ---
(Side View Shown Above)**

AIRFLOW CLEARANCE REQUIREMENTS - FRONT INTAKE TO FRONT EXHAUST ONLY

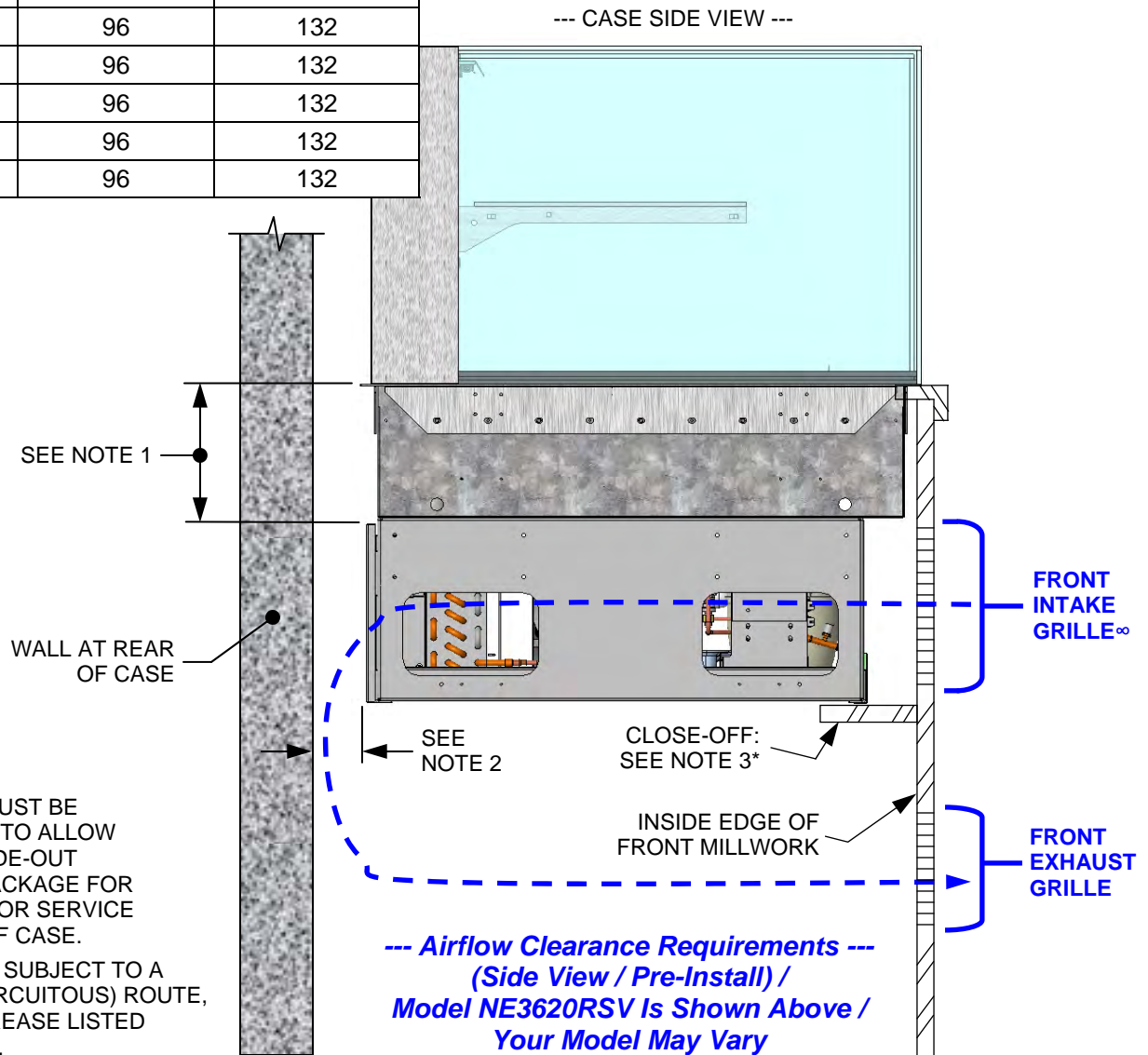
AIRFLOW CLEARANCE REQUIREMENTS

1	9 1/2" maximum countertop/fascia enclosure space allowed on cabinets or counter for condenser package slide-out.
2	3" minimum space from rear of case to wall for adequate airflow.
3	Close-off must prevent airflow between underside of case and inside edge of front millwork.

AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in ²)~	MINIMUM EXHAUST (in ²)~
NE3613RSV	96	132
NE3620RSV	96	132
NE3627RSV	96	132
NE3635RSV	96	132
NE4813RSV	96	132
NE4820RSV	96	132
NE4827RSV	96	132
NE4835RSV	96	132

***IMPORTANT! YOU MUST CONSTRUCT BASE TO DIVERT EXHAUST AWAY FROM INTAKE!**



[∞]NOTE: BASE MUST BE CONSTRUCTED TO ALLOW ACCESS TO SLIDE-OUT CONDENSER PACKAGE FOR CLEANING AND/OR SERVICE FROM FRONT OF CASE.
~ IF AIRFLOW IS SUBJECT TO A 'TORTURED' (CIRCUITOUS) ROUTE, YOU MUST INCREASE LISTED VALUES BY 25%.