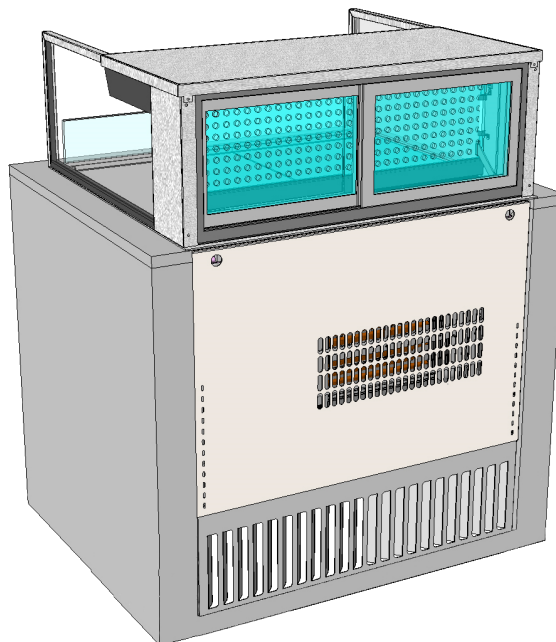
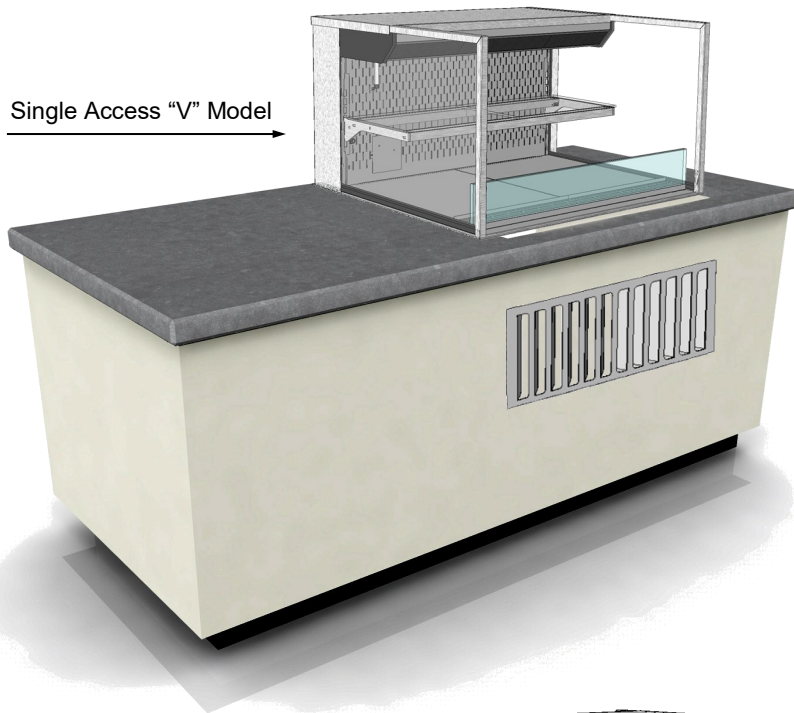


# Reveal<sup>®</sup> Self-Service Counter Design Guide

P/N 20-83054

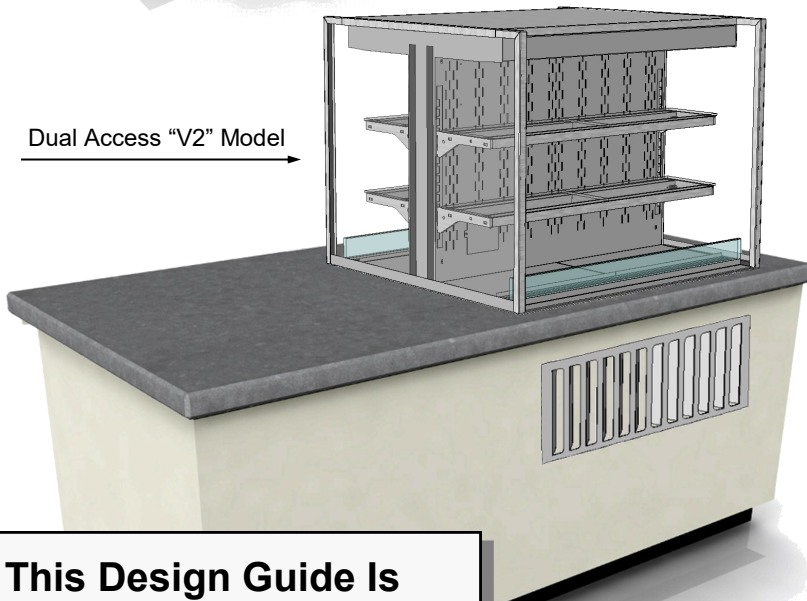
**SECTION A: SELF-SERVICE CASES WITH INTAKE & EXHAUST AT OPPOSITE SIDES OF CASE**  
**SECTION B: SELF-SERVICE CASES WITH INTAKE & EXHAUST AT SAME SIDE OF CASE**

Single Access "V" Model



Single Access "V" Model

Dual Access "V2" Model



**This Design Guide Is Applicable To Structural Concepts Reveal<sup>®</sup> Models NE(L)(H)RSSV and RSSV2**

### **Installation/Design Notes**

1. This manual does NOT cover every possible installation scenario.
2. Structural Concepts is not responsible for incorrect designs or installations.
3. Contact Technical Support with design or installation questions.

## Structural Concepts<sup>®</sup>

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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 A1:  
SINGLE  
ACCESS (V1)  
UNITS WITH  
INTAKE &  
EXHAUST AT  
OPPOSITE  
SIDES OF CASE**

## CABINETRY DESIGN OVERVIEW / COUNTERTOP CUTOUT DIMENSIONS

### CABINETRY DESIGN OVERVIEW

- 1 Cabinetry MUST provide access space to allow slide-out of condenser package. Carefully measure before building!
- 2 Cabinetry design shown reflects rear access to condenser package; however, instructions are applicable to front condenser package access units.

#### COUNTERTOP CUTOUT DIMENSIONS

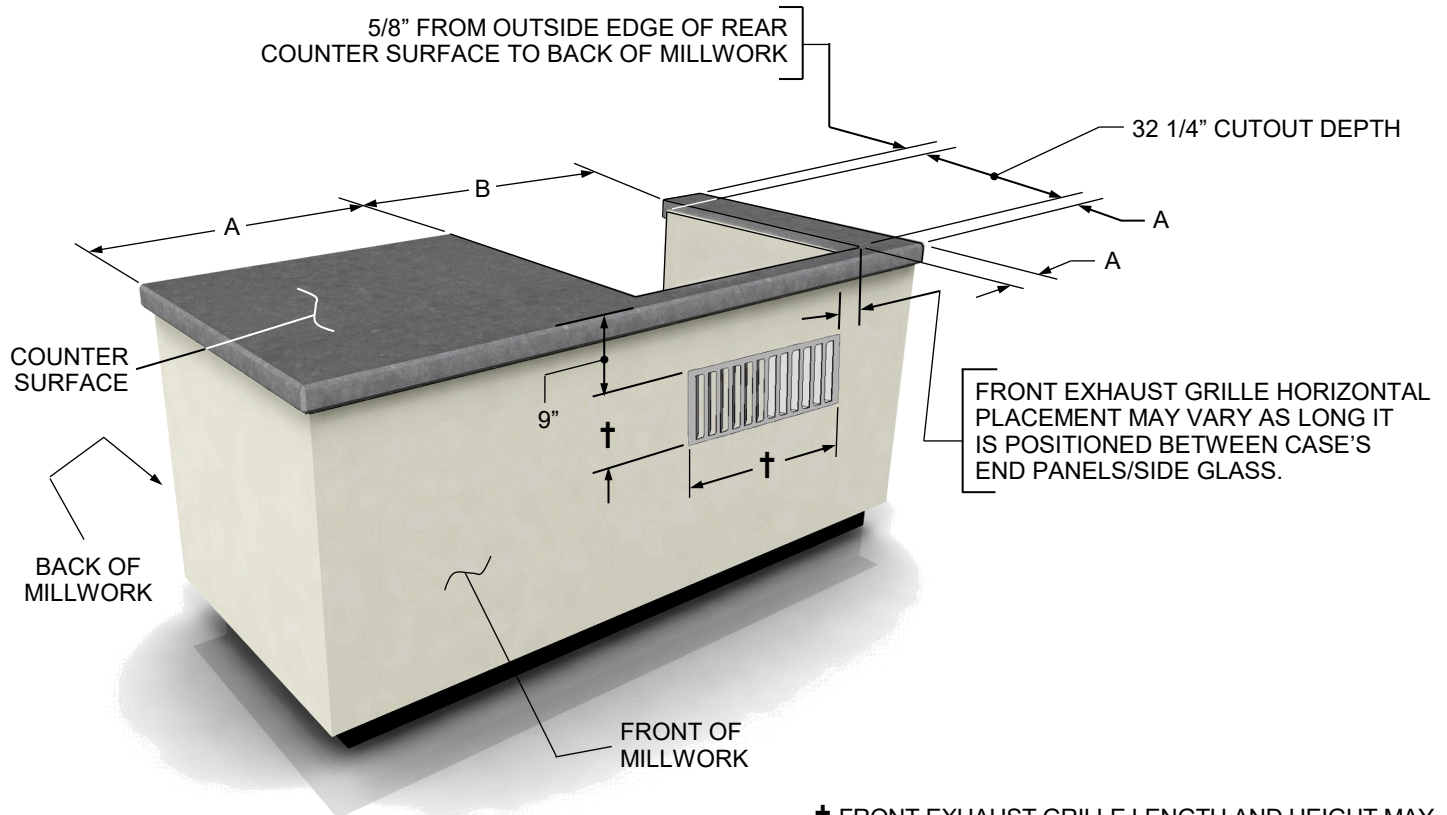
MODEL	A*	B*
NE3613RSSV	1 1/2" MINIMUM	35"
NE3620RSSV	1 1/2" MINIMUM	35"
NE3627RSSV	1 1/2" MINIMUM	35"
NE3635RSSV	1 1/2" MINIMUM	35"
NE4813RSSV	1 1/2" MINIMUM	47"
NE4820RSSV	1 1/2" MINIMUM	47"
NE4827RSSV	1 1/2" MINIMUM	47"
NE4835RSSV	1 1/2" MINIMUM	47"

#### COUNTERTOP CUTOUT DIMENSIONS

MODEL	A*	B*
NE6013RSSV	1 1/2" MINIMUM	59"
NE6020RSSV	1 1/2" MINIMUM	59"
NE6027RSSV	1 1/2" MINIMUM	59"
NE6035RSSV	1 1/2" MINIMUM	59"
NE7213RSSV	1 1/2" MINIMUM	71"
NE7220RSSV	1 1/2" MINIMUM	71"
NE7227RSSV	1 1/2" MINIMUM	71"
NE7235RSSV	1 1/2" MINIMUM	71"

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

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



--- Self-Service Top Slide-In Unit ---

† FRONT EXHAUST GRILLE LENGTH AND HEIGHT MAY VARY AS LONG AS MINIMUM INTAKE AND EXHAUST NUMBERS (LISTED IN ABOVE CHART) ARE MET.

## MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

### MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

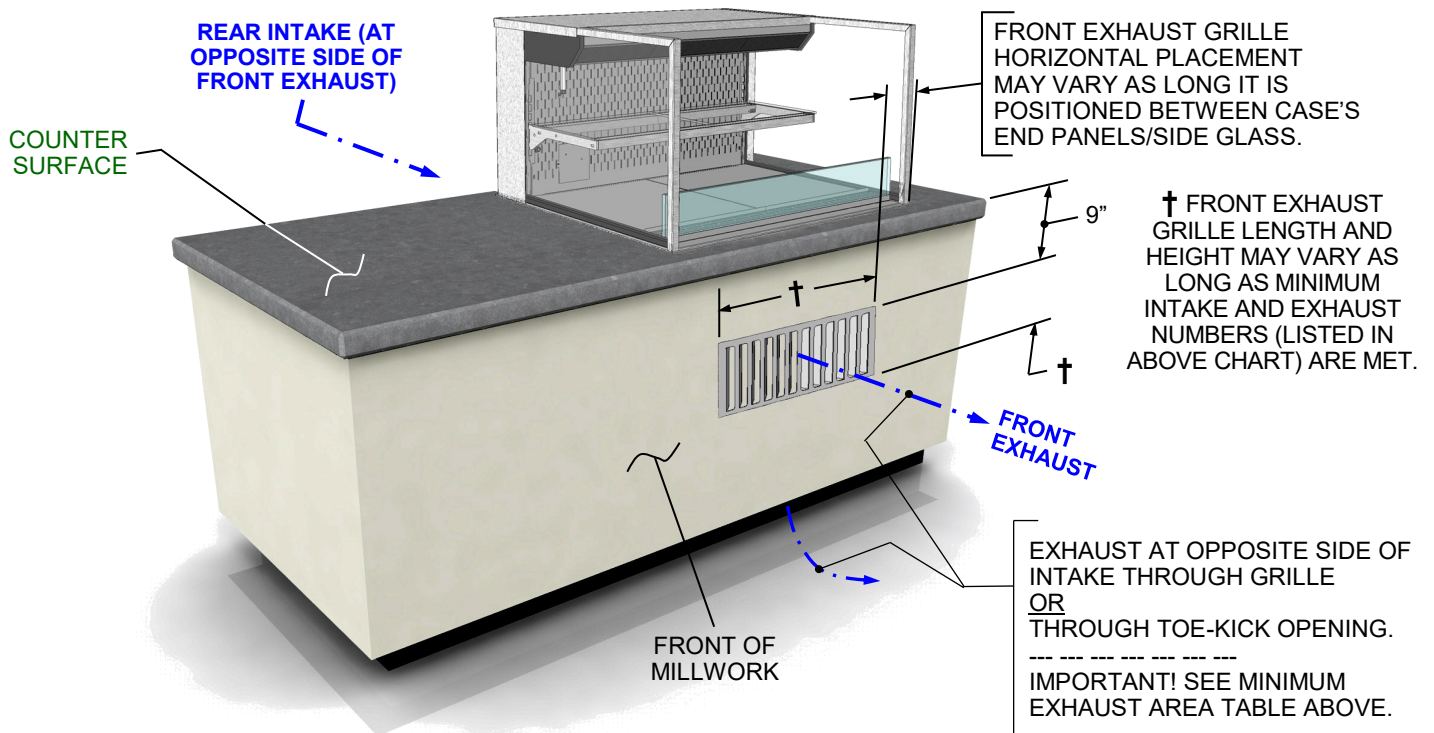
MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3613RSSV	120	165
NE3620RSSV	120	165
NE3627RSSV	120	165
NE3635RSSV	120	165
NE4813RSSV	120	165
NE4820RSSV	120	165
NE4827RSSV	120	165
NE4835RSSV	224	300

### MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE6013RSSV	120	165
NE6020RSSV	120	165
NE6027RSSV	120	165
NE6035RSSV	224	300
NE7213RSSV	120	165
NE7220RSSV	224	300
NE7227RSSV	224	300
NE7235RSSV	224	300

~ 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 ---**

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

## MINIMUM AIRFLOW CLEARANCE REQUIREMENTS - REAR INTAKE TO FRONT EXHAUST GRILLE

### AIRFLOW CLEARANCE REQUIREMENTS

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

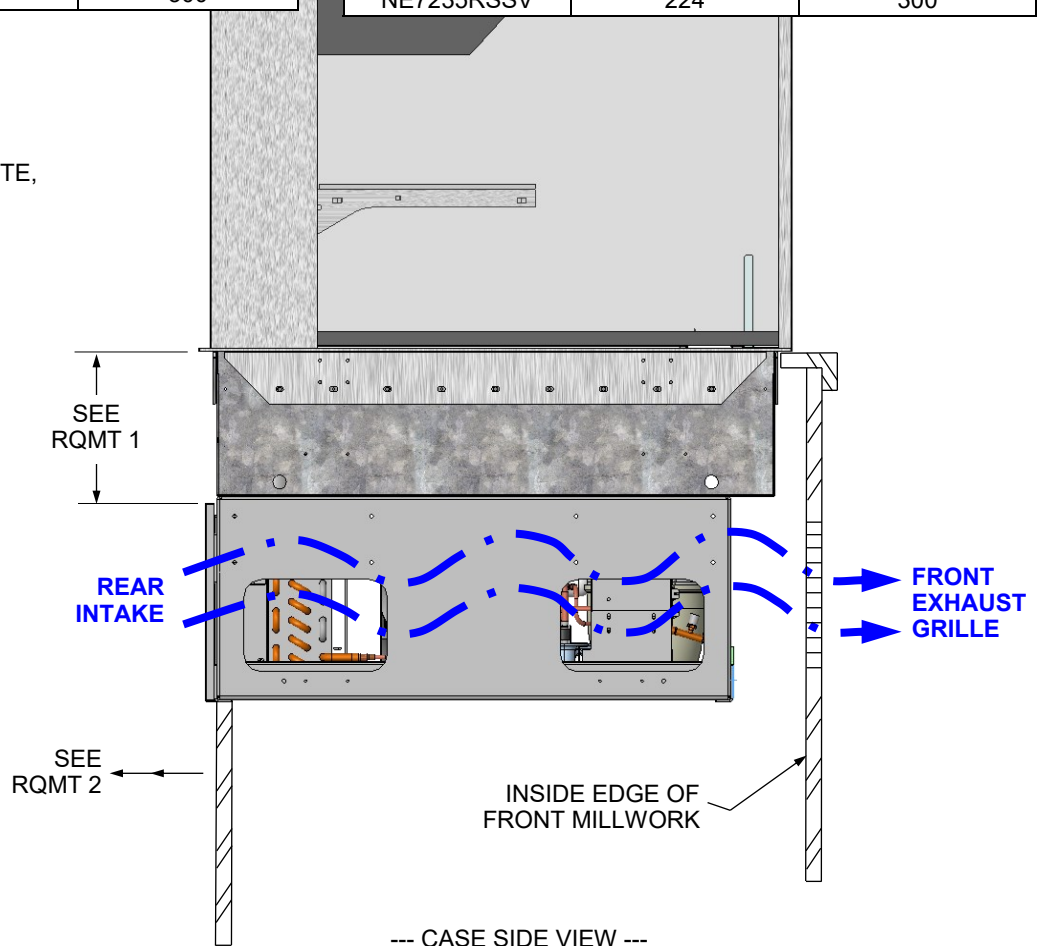
#### MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3613RSSV	120	165
NE3620RSSV	120	165
NE3627RSSV	120	165
NE3635RSSV	120	165
NE4813RSSV	120	165
NE4820RSSV	120	165
NE4827RSSV	120	165
NE4835RSSV	224	300

#### MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE6013RSSV	120	165
NE6020RSSV	120	165
NE6027RSSV	120	165
NE6035RSSV	224	300
NE7213RSSV	120	165
NE7220RSSV	224	300
NE7227RSSV	224	300
NE7235RSSV	224	300

~ 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 NE3620RSSV Is Shown Above / Your Model May Vary

**MIN. 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" wide minimum opening at back of cabinet or counter required for condenser package to slide out from under case.
3	1 1/2" minimum space from front of case to inside edge of front millwork is required for adequate airflow.
4	2 3/4" minimum unobstructed toe-kick opening is required for adequate airflow for units with front toe-kick exhaust only.

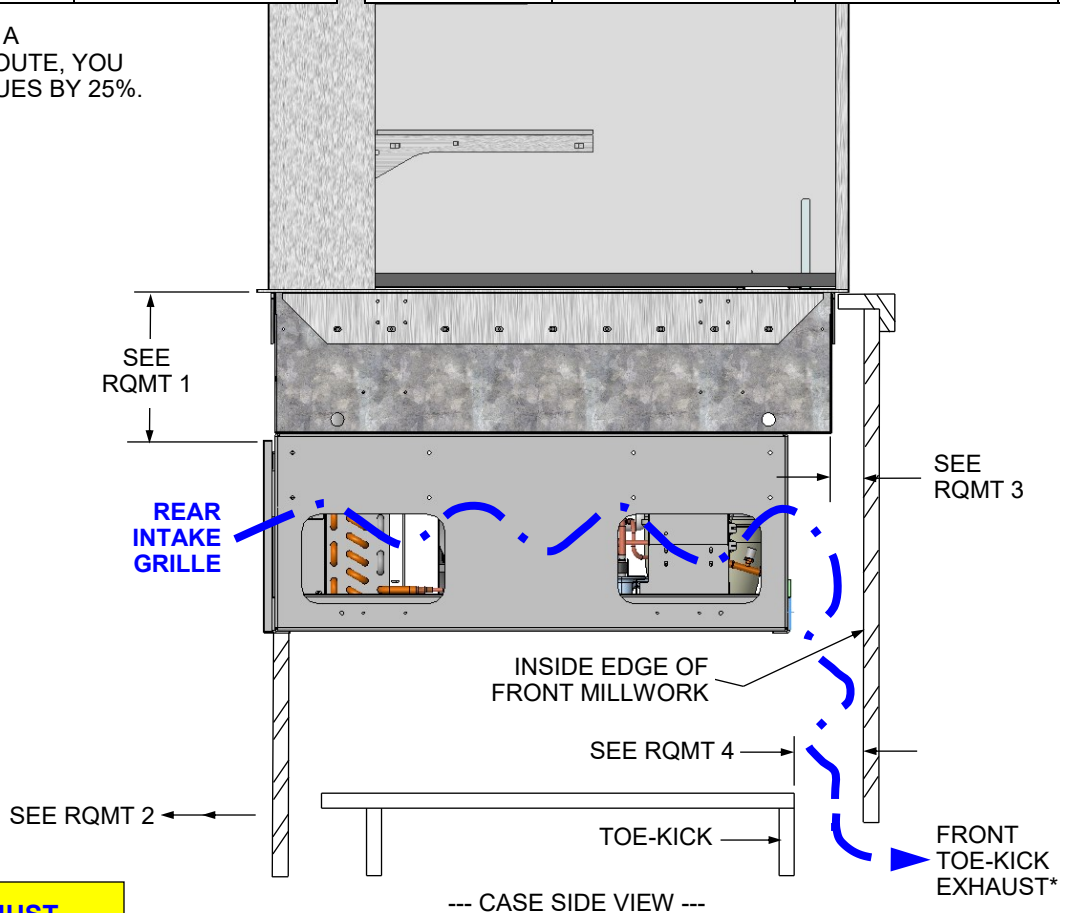
**MIN. AIRFLOW INTAKE / EXHAUST REQUIREMENTS**

MODEL	MIN. INTAKE (in <sup>2</sup> )~	MIN. EXHAUST (in <sup>2</sup> )~
NE3613RSSV	120	165
NE3620RSSV	120	165
NE3627RSSV	120	165
NE3635RSSV	120	165
NE4813RSSV	120	165
NE4820RSSV	120	165
NE4827RSSV	120	165
NE4835RSSV	224	300

**MIN. AIRFLOW INTAKE / EXHAUST REQUIREMENTS**

MODEL	MIN. INTAKE (in <sup>2</sup> )~	MIN. EXHAUST (in <sup>2</sup> )~
NE6013RSSV	120	165
NE6020RSSV	120	165
NE6027RSSV	120	165
NE6035RSSV	224	300
NE7213RSSV	120	165
NE7220RSSV	224	300
NE7227RSSV	224	300
NE7235RSSV	224	300

~ 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 NE3620RSSV  
Is Shown Above / Your Model May Vary**



**MIN. AIRFLOW CLEARANCE, INTAKE & EXHAUST REQ. - FRONT INTAKE TO REAR EXH. AT WALL**

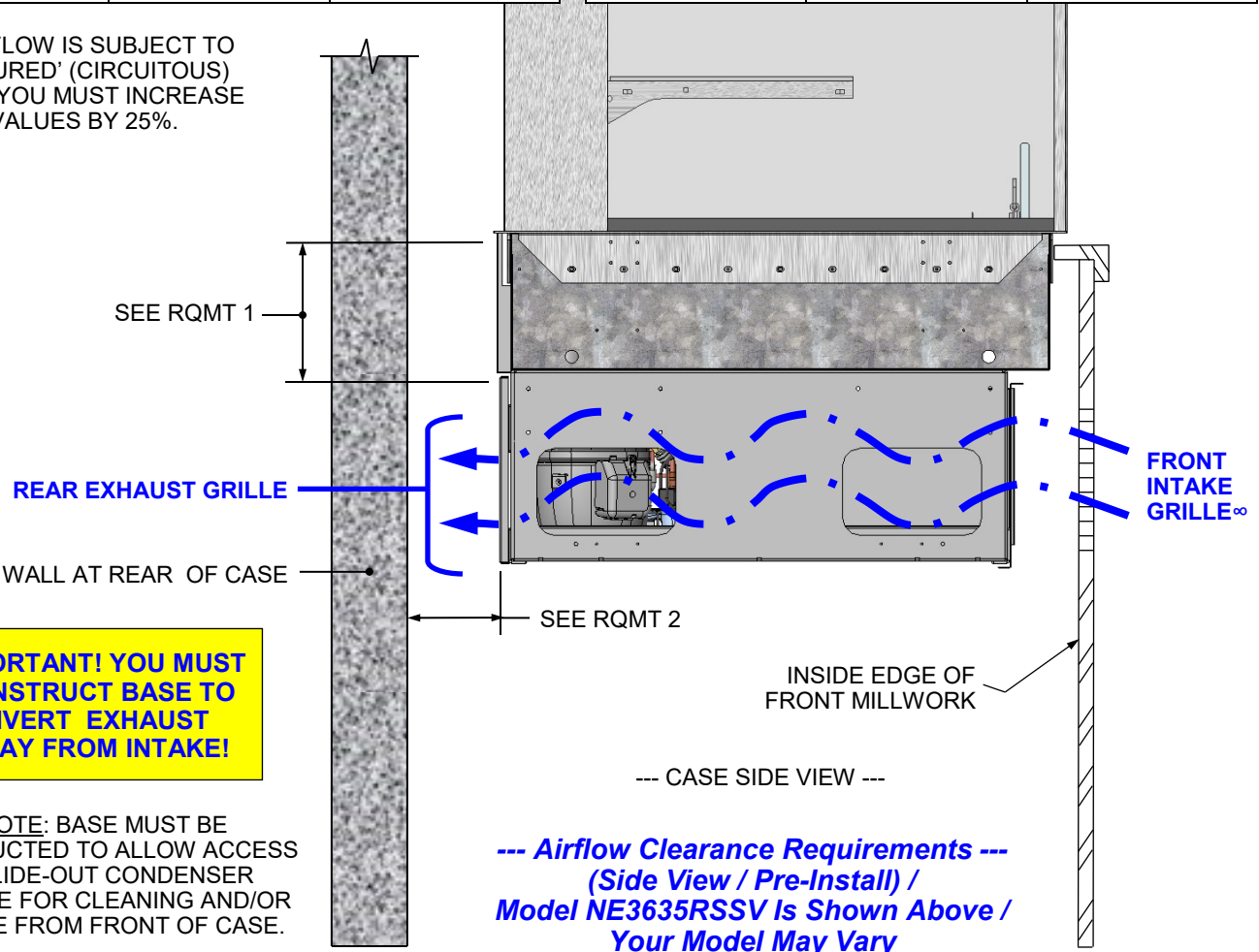
**AIRFLOW CLEARANCE REQUIREMENTS**

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.

MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS		
MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3613RSSV	120	165
NE3620RSSV	120	165
NE3627RSSV	120	165
NE3635RSSV	120	165
NE4813RSSV	120	165
NE4820RSSV	120	165
NE4827RSSV	120	165
NE4835RSSV	224	300

MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS		
MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE6013RSSV	120	165
NE6020RSSV	120	165
NE6027RSSV	120	165
NE6035RSSV	224	300
NE7213RSSV	120	165
NE7220RSSV	224	300
NE7227RSSV	224	300
NE7235RSSV	224	300

~ 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 NE3635RSSV Is Shown Above /  
 Your Model May Vary

**SECTION A2:  
DUAL ACCESS  
(V2) UNITS  
WITH EXHAUST  
AT OPPOSITE  
SIDE OF INTAKE**

## MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS / SELF-SERVICE TOP CUTOUT DIMENSIONS

### MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS / SELF-SERVICE TOP CUTOUT DIMENSIONS

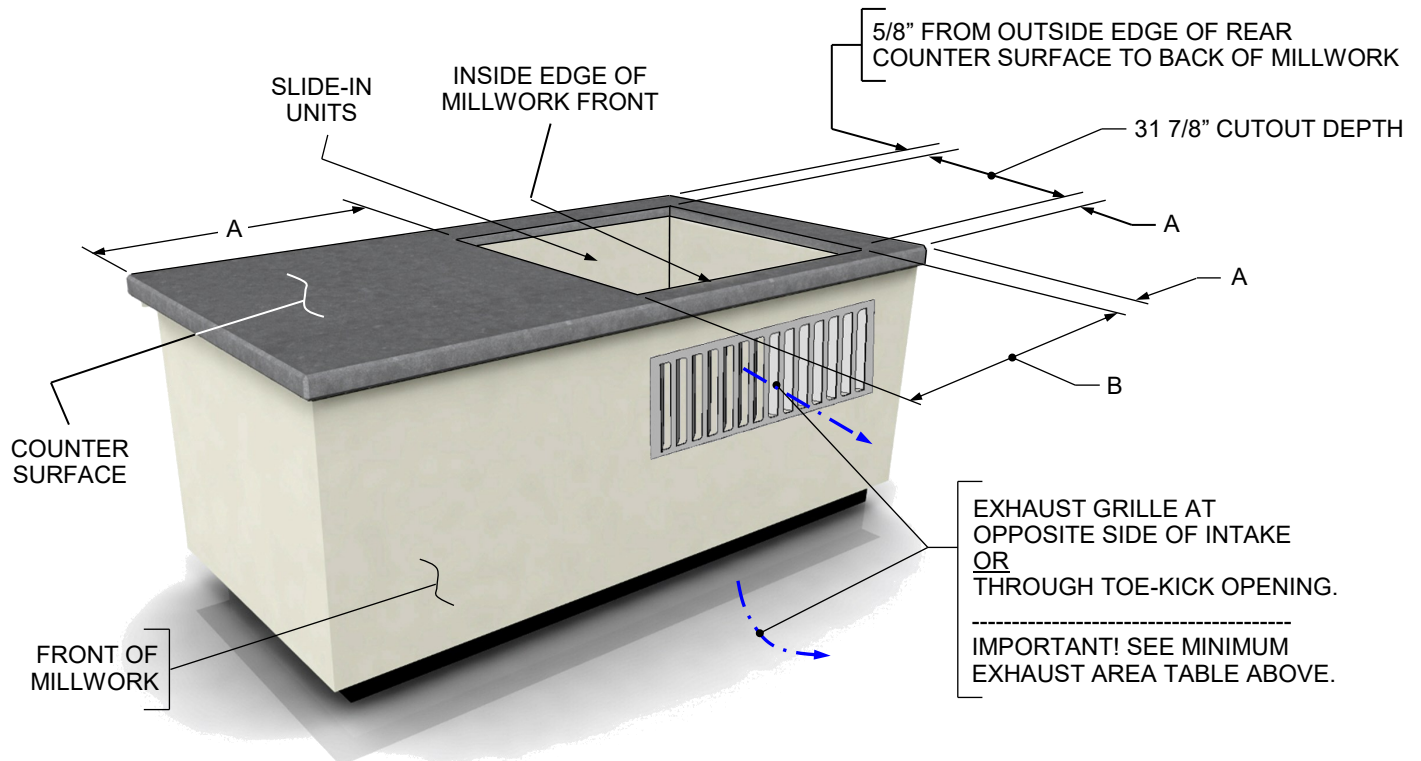
MODELS	A*	B**	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3627RSSV2	1 1/2" MINIMUM	35"	168	225
NE4827RSSV2	1 1/2" MINIMUM	47"	300	400

\* 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 ---  
 --- Self-Service Top Slide-In Unit Dimensions ---

## AIRFLOW CLEARANCE REQUIREMENTS / MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

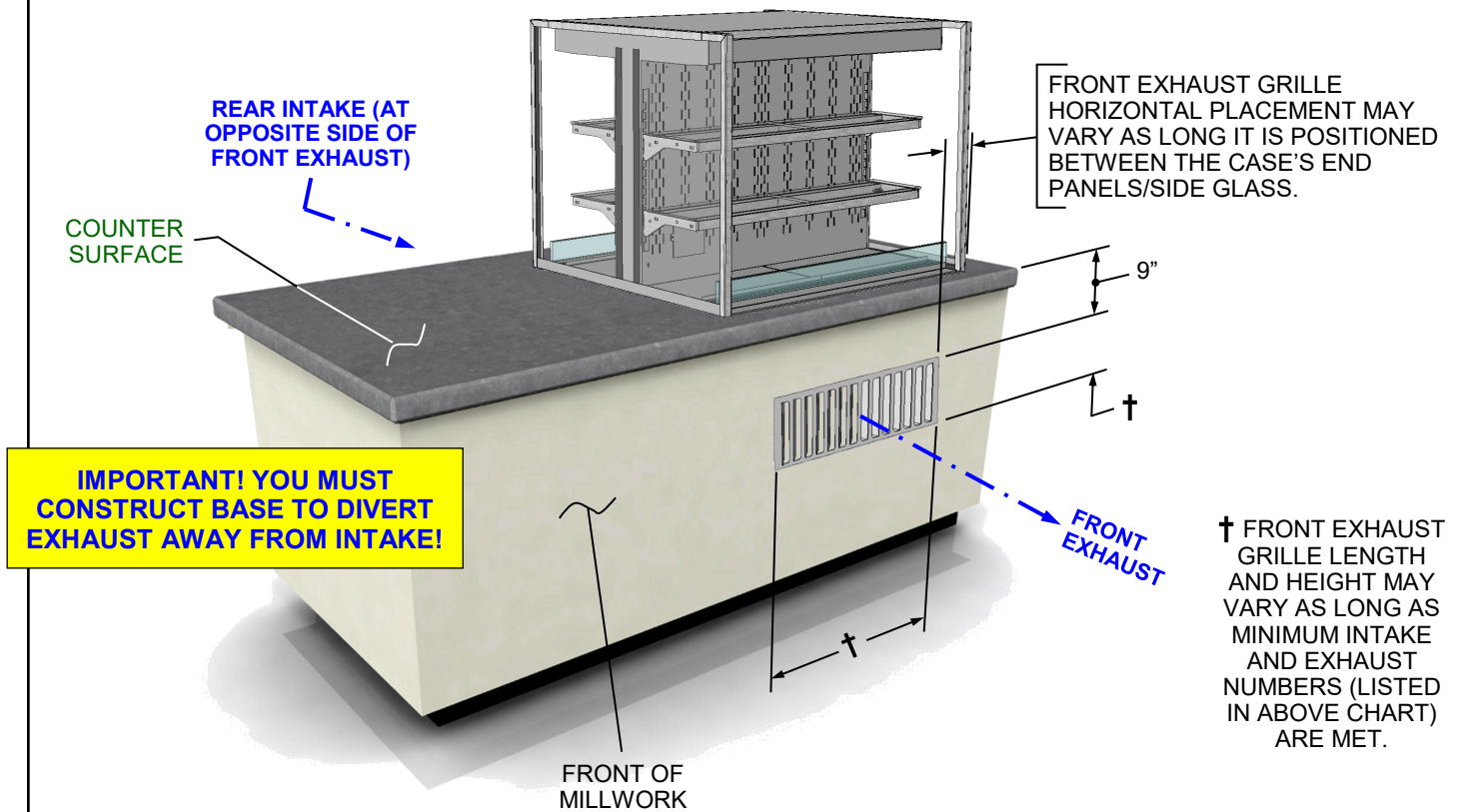
### AIRFLOW CLEARANCE REQUIREMENTS

- |   |                                                                                                                                                                                           |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | <u>Note:</u> Rear condenser package access is shown; however, these instructions are also applicable to front access units.                                                               |

### MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3627RSSV2	168	225
NE4827RSSV2	300	400

~ 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) ---

**SIDE VIEW: AIRFLOW CLEARANCE REQ'TS / REAR INTAKE TO FRONT EXHAUST - MIN. REQ'TS**

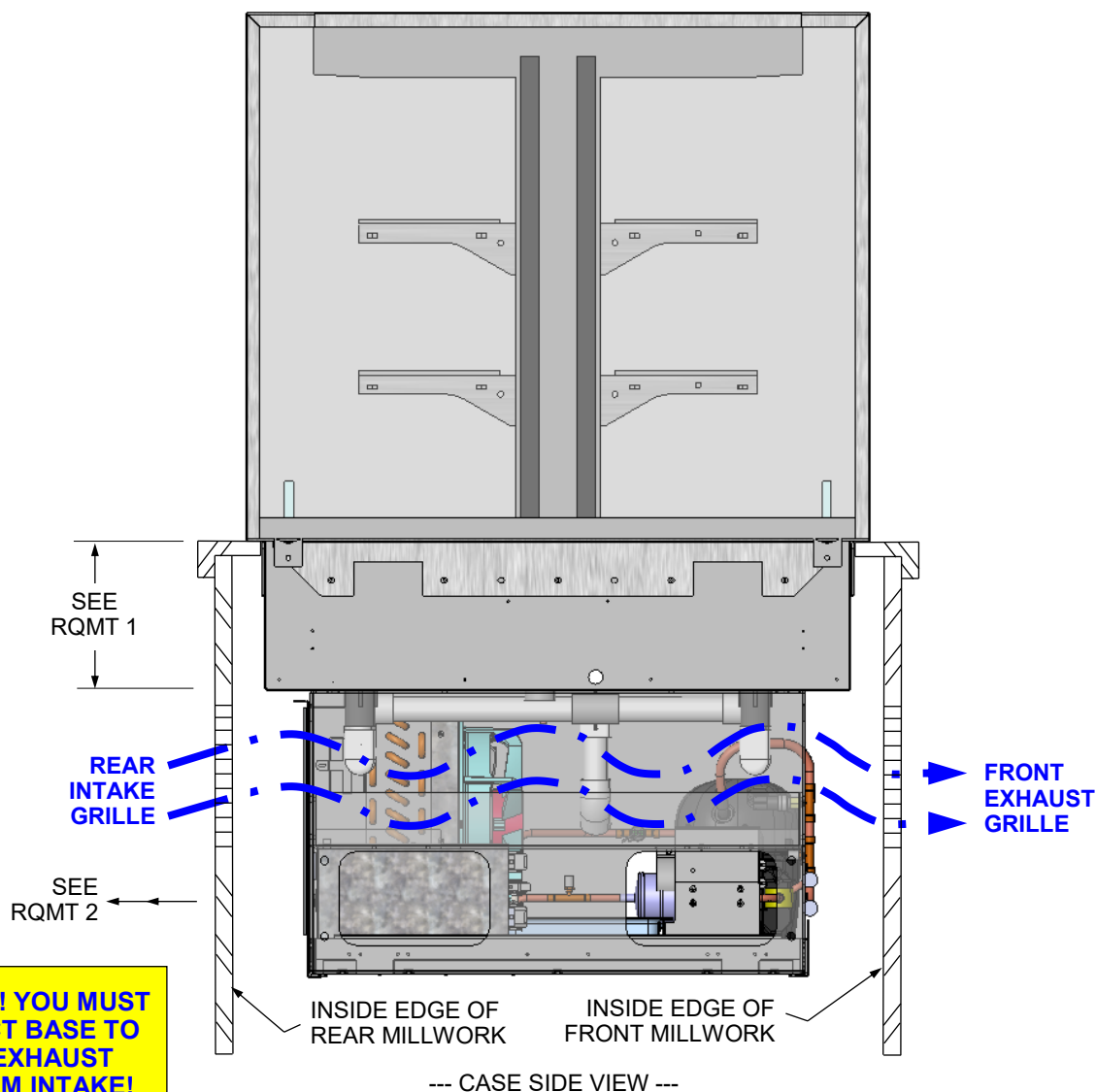
**AIRFLOW CLEARANCE REQUIREMENTS**

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

**MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS**

MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3627RSSV2	168	225
NE4827RSSV2	300	400

~ 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 NE3627RSSV2 Is Shown Above / Your Model May Vary**

**SIDE VIEW: AIRFLOW CLEARANCE REQ'TS / REAR INTAKE TO FRONT T.K. EXHAUST - MIN. REQ'TS**

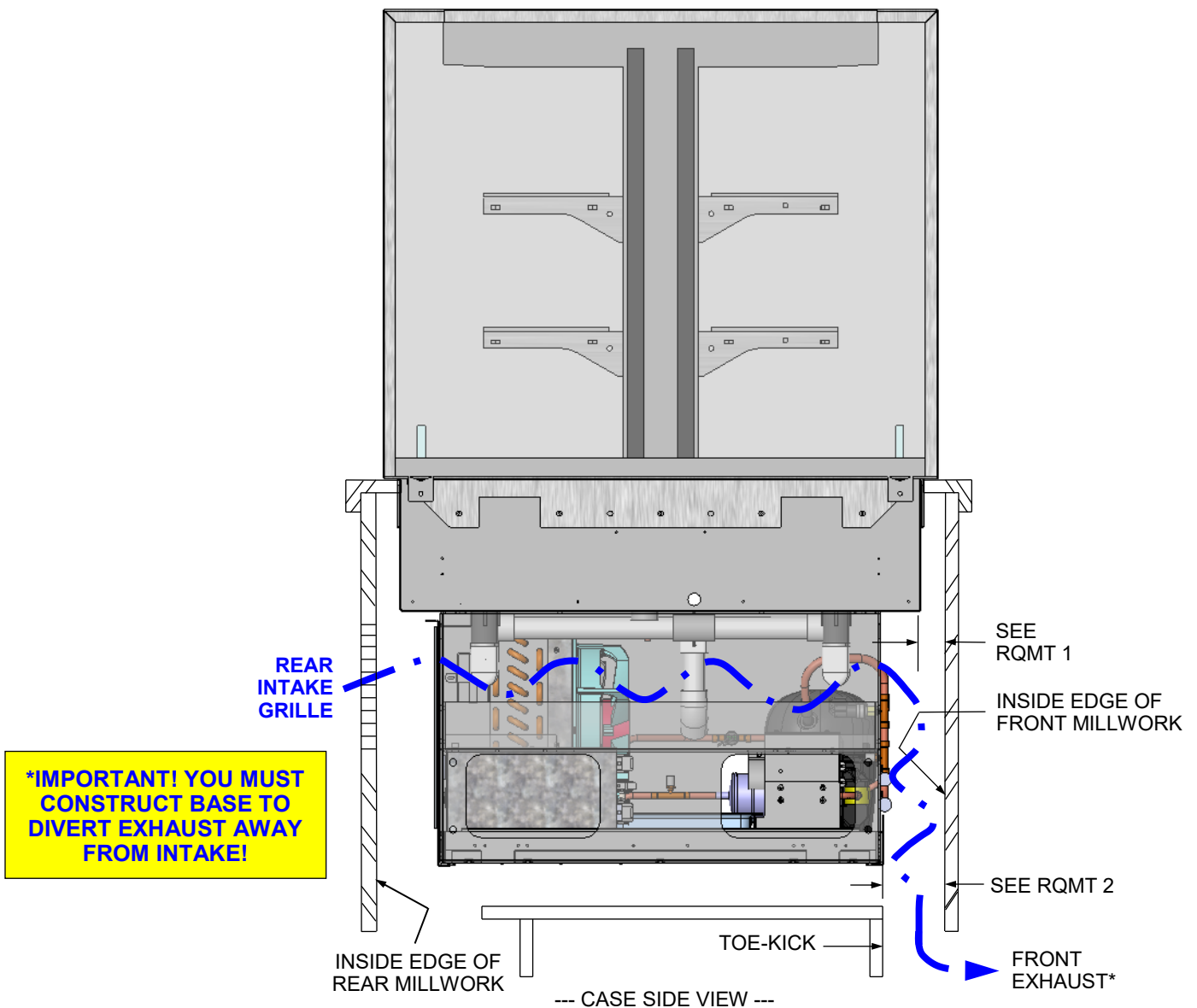
**AIRFLOW CLEARANCE REQUIREMENTS - FRONT TOE-KICK EXHAUST ONLY**

1	1 1/2" minimum space from front of case to inside edge of front millwork is required for adequate airflow.
2	2 3/4" minimum unobstructed toe-kick opening is required for adequate airflow for units with front toe-kick exhaust only.

**MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS**

MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3627RSSV2	168	225
NE4827RSSV2	300	400

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



**--- Airflow Clearance Requirements ---  
 (Side View / Pre-Install) / Model NE3627RSSV2 Is Shown Above / Your Model May Vary**

**SECTION B1:  
SINGLE  
ACCESS UNITS  
WITH BOTH  
INTAKE &  
EXHAUST AT  
SAME SIDE OF  
CASE**

## MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS / COUNTERTOP CUTOUT DIMENSIONS

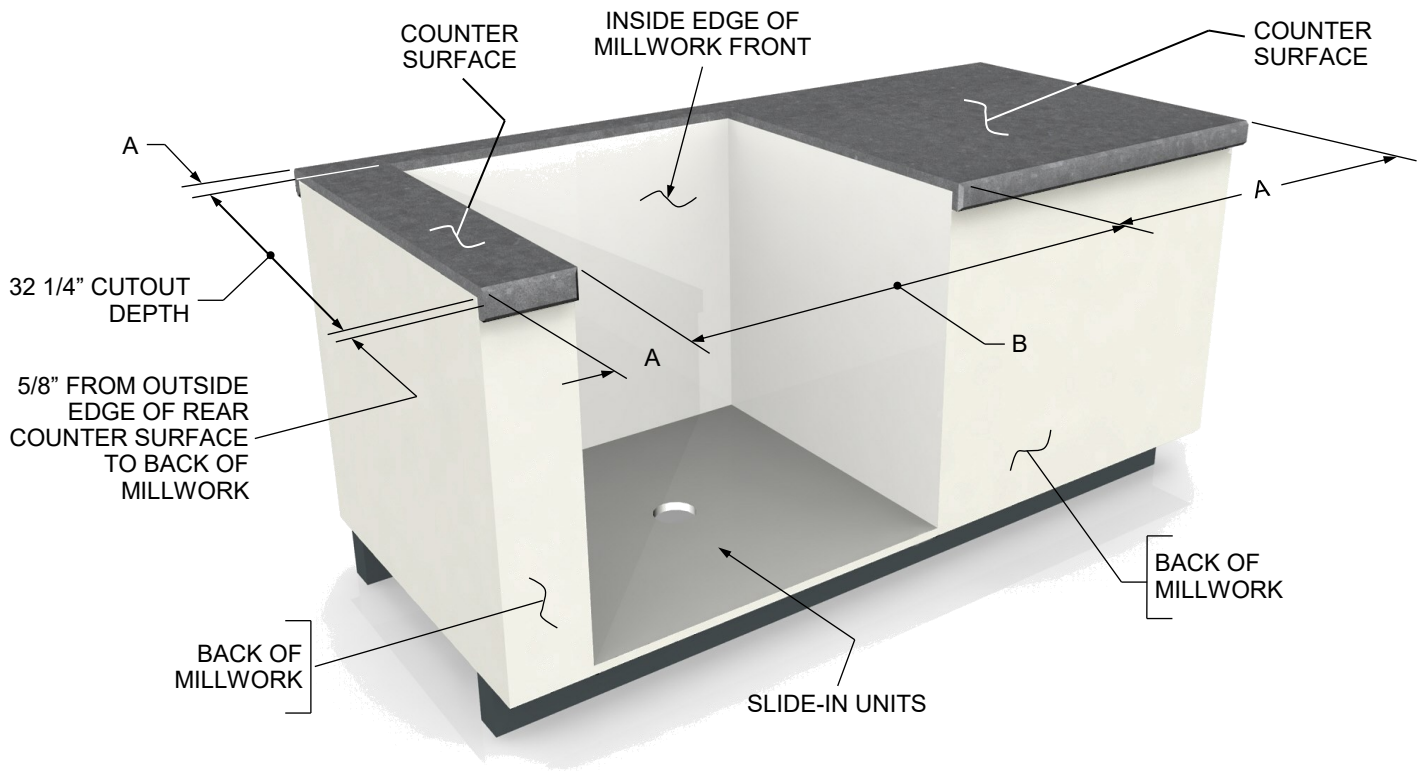
MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS / COUNTERTOP CUTOUT DIMENSIONS				
MODELS	A*	B**	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3613RSSV	1 1/2" MINIMUM	35"	120	165
NE3620RSSV	1 1/2" MINIMUM	35"	120	165
NE3627RSSV	1 1/2" MINIMUM	35"	120	165
NE3635RSSV	1 1/2" MINIMUM	35"	120	165
NE4813RSSV	1 1/2" MINIMUM	47"	120	165
NE4820RSSV	1 1/2" MINIMUM	47"	120	165
NE4827RSSV	1 1/2" MINIMUM	47"	120	165
NE4835RSSV	1 1/2" MINIMUM	47"	224	300
NE6013RSSV	1 1/2" MINIMUM	59"	120	165
NE6020RSSV	1 1/2" MINIMUM	59"	120	165
NE6027RSSV	1 1/2" MINIMUM	59"	224	300
NE6035RSSV	1 1/2" MINIMUM	59"	224	300
NE7213RSSV	1 1/2" MINIMUM	71"	120	165
NE7220RSSV	1 1/2" MINIMUM	71"	224	300
NE7227RSSV	1 1/2" MINIMUM	71"	224	300
NE7235RSSV	1 1/2" MINIMUM	71"	224	300

**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 ---  
 --- Self-Service Top Slide-In Unit Dimensions ---



**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!

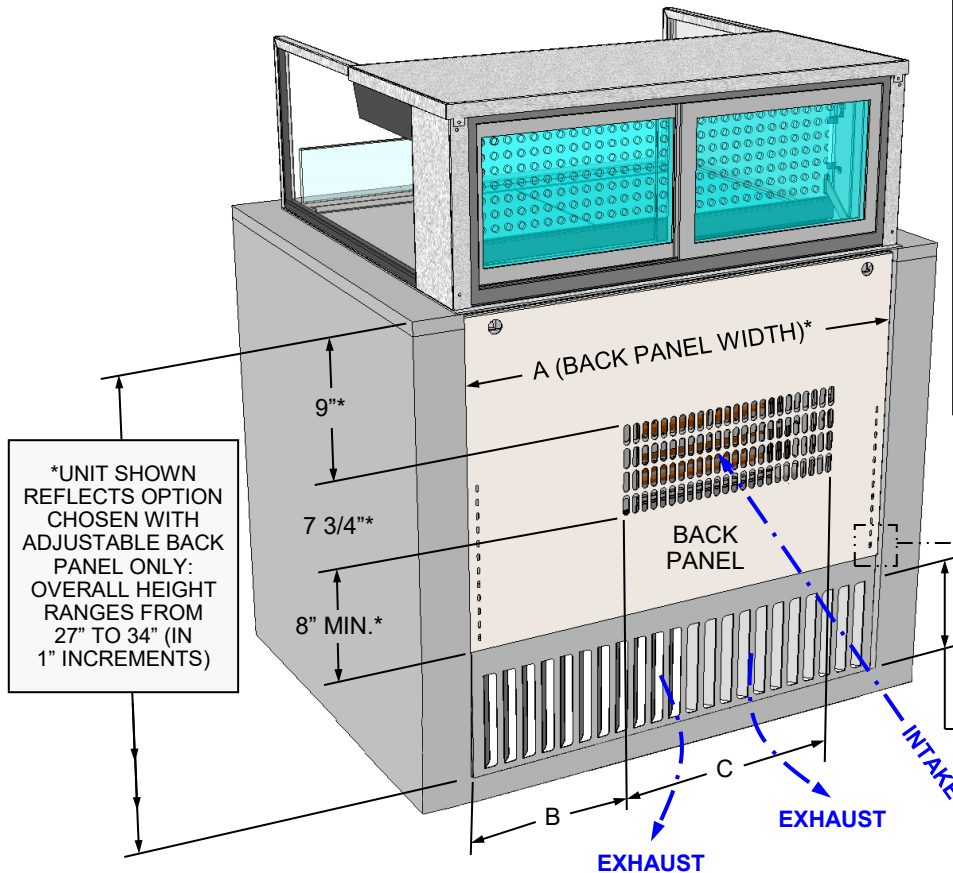
MODEL	A*	B	C	MIN. INTAKE (in <sup>2</sup> )~	MIN. EXHAUST (in <sup>2</sup> )~
NE3613RSSV	34 5/8"	7 1/2"	17 3/4"	120	165
NE3620RSSV	34 5/8"	7 1/2"	17 3/4"	120	165
NE3627RSSV	34 5/8"	7 1/2"	17 3/4"	120	165
NE3635RSSV	34 5/8"	7 1/2"	17 3/4"	120	165
NE4813RSSV	46 5/8"	18 1/2"	17 3/4"	120	165
NE4820RSSV	46 5/8"	18 1/2"	17 3/4"	120	165
NE4827RSSV	46 5/8"	18 1/2"	17 3/4"	120	165
NE4835RSSV	46 5/8"	6.5"	30 1/2"	224	300

† NOTE: SEE NEXT PAGE FOR ADDITIONAL MODELS.

∞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)

\*1" SPACE BETWEEN OBROUNDS FOR BACK PANEL'S VERTICAL ADJUSTABILITY.

~SEE ABOVE TABLE ABOVE FOR MINIMUM EXHAUST AREA

**~IMPORTANT! EXHAUST MUST BE DIVERTED AWAY FROM INTAKE!**

**--- Airflow Clearance Requirements ---**  
**(Note: Slide-In Unit With Rear Condenser Package Access Shown Above)**

**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!

**AIRFLOW INTAKE & EXHAUST REQUIREMENTS**

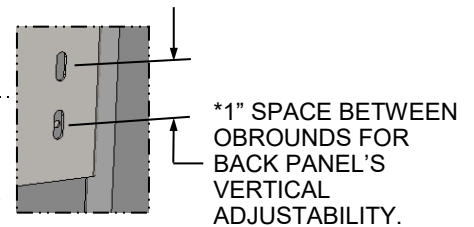
MODEL	A*	B	C	MIN. INTAKE (in <sup>2</sup> )~	MIN. EXHAUST (in <sup>2</sup> )~
NE6013RSSV	58 5/8"	25 1/2"	17 3/4"	120	165
NE6020RSSV	58 5/8"	25 1/2"	17 3/4"	120	165
NE6027RSSV	58 5/8"	25 1/2"	17 3/4"	120	165
NE6035RSSV	58 5/8"	12 1/2"	30 1/2"	224	300
NE7213RSSV	70 5/8"	25 1/2"	17 3/4"	120	165
NE7220RSSV	70 5/8"	25 1/2"	30 1/2"	224	300
NE7227RSSV	70 5/8"	25 1/2"	30 1/2"	224	300
NE7235RSSV	70 5/8"	25 1/2"	30 1/2"	224	300

† NOTE: SEE PREVIOUS PAGE FOR ADDITIONAL MODELS.

<sup>∞</sup>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.

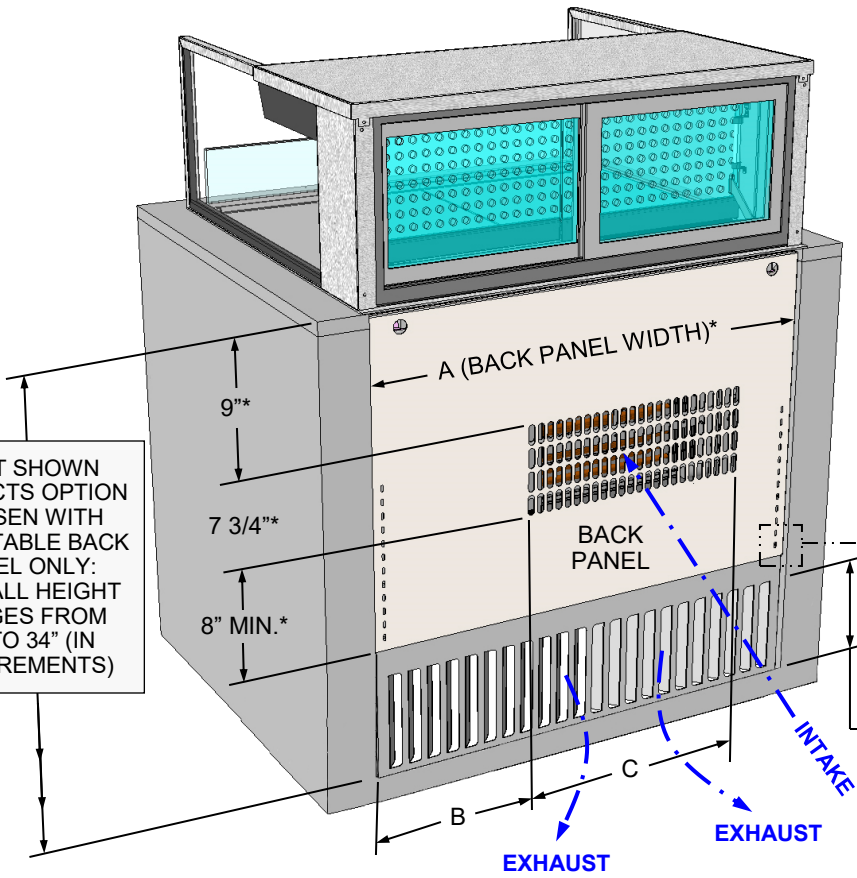
\*ILLUSTRATION SHOWN REFLECTS FACTORY OPTION (CHOSEN BY CUSTOMER) WHICH ALLOWS BACK PANEL VERTICAL ADJUSTABILITY. IF CUSTOMER IS CONSTRUCTING OWN BACK PANEL, NO ADJUSTABILITY MAY BE REQUIRED. HOWEVER, OTHER DESIGN FEATURES (AND DIMENSIONS) SHOWN MUST BE INCORPORATED INTO CUSTOMER'S OWN BACK PANEL DESIGN.

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



~SEE ABOVE TABLE ABOVE FOR MINIMUM EXHAUST AREA

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



**~IMPORTANT! EXHAUST MUST BE DIVERTED AWAY FROM INTAKE!**

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

**SIDE VIEW: REAR INTAKE & EXHAUST - MIN. AIRFLOW CLEARANCE & INTAKE/EXHAUST REQ'TS**

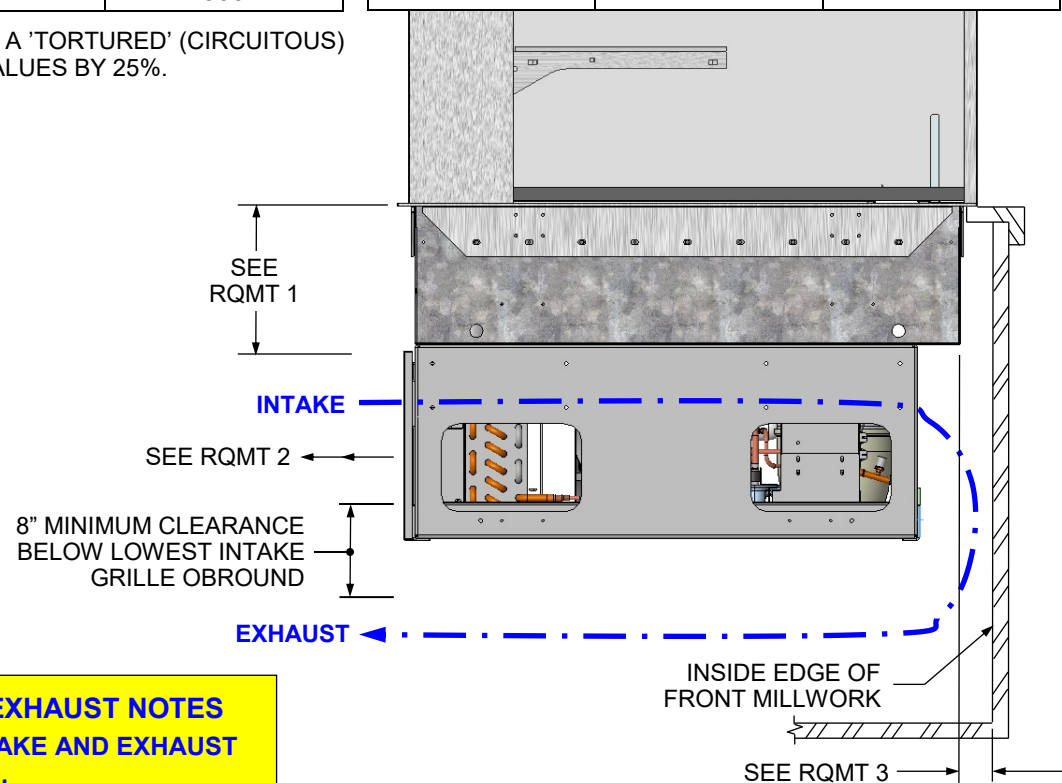
**MINIMUM AIRFLOW CLEARANCE REQUIREMENTS**

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

MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS		
MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3613RSSV	120	165
NE3620RSSV	120	165
NE3627RSSV	120	165
NE3635RSSV	120	165
NE4813RSSV	120	165
NE4820RSSV	120	165
NE4827RSSV	120	165
NE4835RSSV	224	300

MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS		
MODEL	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE6013RSSV	120	165
NE6020RSSV	120	165
NE6027RSSV	120	165
NE6035RSSV	224	300
NE7213RSSV	120	165
NE7220RSSV	224	300
NE7227RSSV	224	300
NE7235RSSV	224	300

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



- IMPORTANT INTAKE/EXHAUST NOTES**
1. THESE UNITS HAVE INTAKE AND EXHAUST AT SAME SIDE OF CASE.
  2. EXHAUST MUST BE DIVERTED AWAY FROM INTAKE!
  3. SEE ILLUSTRATION ON PREVIOUS PAGE.

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

## SIDE VIEW: FRONT AIRFLOW CLEARANCE REQUIREMENTS & INTAKE/EXHAUST REQUIREMENTS

### AIRFLOW CLEARANCE REQUIREMENTS

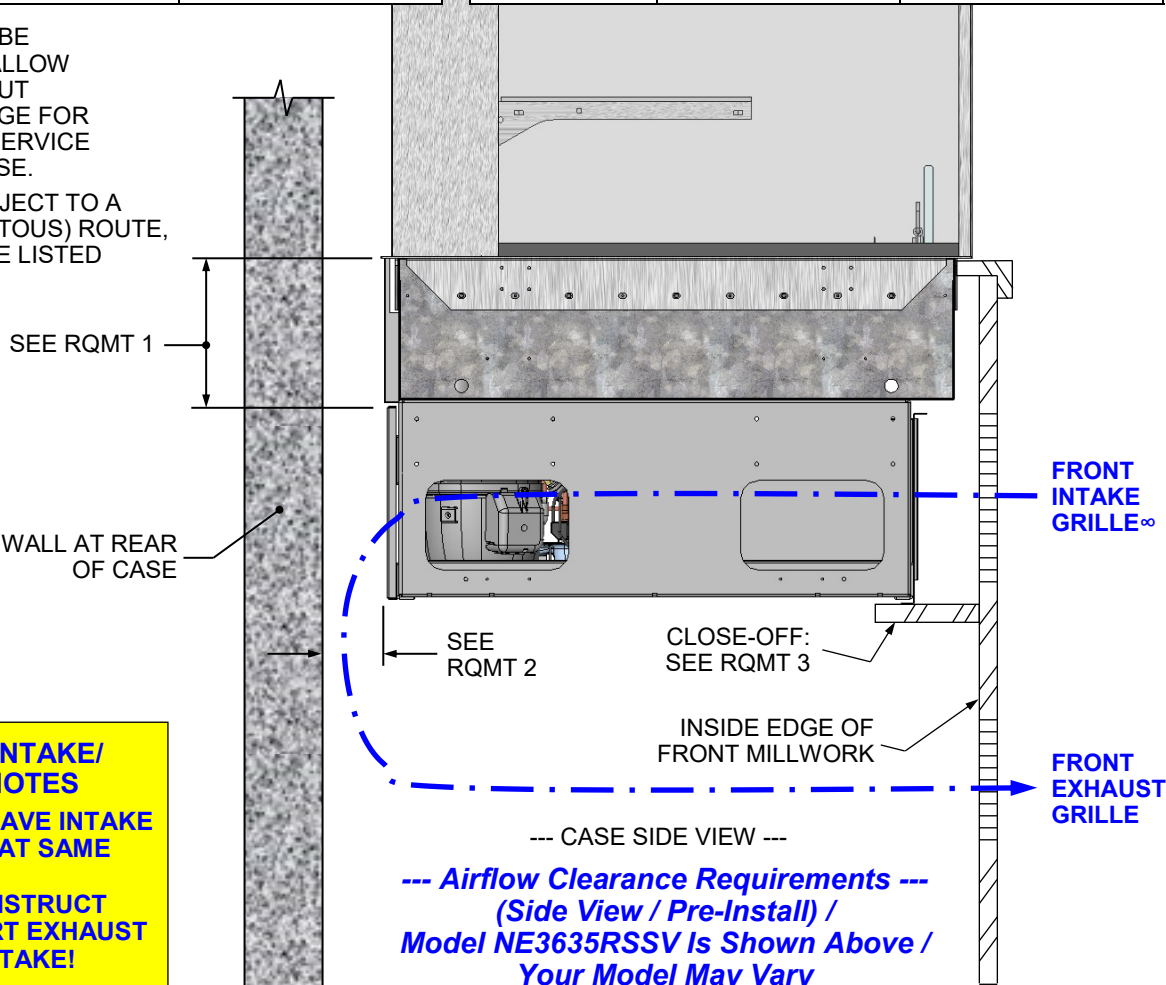
1	9 1/2" maximum countertop/fascia enclosure space allowed on cabinets or counter for condenser package slide-out.
2	3" minimum space from rear of case to wall for adequate airflow.
3	Close-off must prevent airflow between underside of case and inside edge of front millwork.

AIRFLOW INTAKE / EXHAUST REQUIREMENTS		
MODEL	MIN. INTAKE (in <sup>2</sup> )~	MIN. EXHAUST (in <sup>2</sup> )~
NE3613RSSV	120	165
NE3620RSSV	120	165
NE3627RSSV	120	165
NE3635RSSV	120	165
NE4813RSSV	120	165
NE4820RSSV	120	165
NE4827RSSV	120	165
NE4835RSSV	224	300

AIRFLOW INTAKE / EXHAUST REQUIREMENTS		
MODEL	MIN. INTAKE (in <sup>2</sup> )~	MIN. EXHAUST (in <sup>2</sup> )~
NE6013RSSV	120	165
NE6020RSSV	120	165
NE6027RSSV	120	165
NE6035RSSV	224	300
NE7213RSSV	120	165
NE7220RSSV	224	300
NE7227RSSV	224	300
NE7235RSSV	224	300

∞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%.



#### IMPORTANT INTAKE/ EXHAUST NOTES

1. THESE UNITS HAVE INTAKE AND EXHAUST AT SAME SIDE OF CASE.
2. YOU MUST CONSTRUCT BASE TO DIVERT EXHAUST AWAY FROM INTAKE!

**SECTION B2:  
DUAL ACCESS  
(V2) UNITS  
WITH BOTH  
INTAKE &  
EXHAUST AT  
SAME SIDE OF  
CASE**

## COUNTERTOP CUTOUT DIMENSIONS / MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

### SELF-SERVICE TOP CUTOUT DIMENSIONS / MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

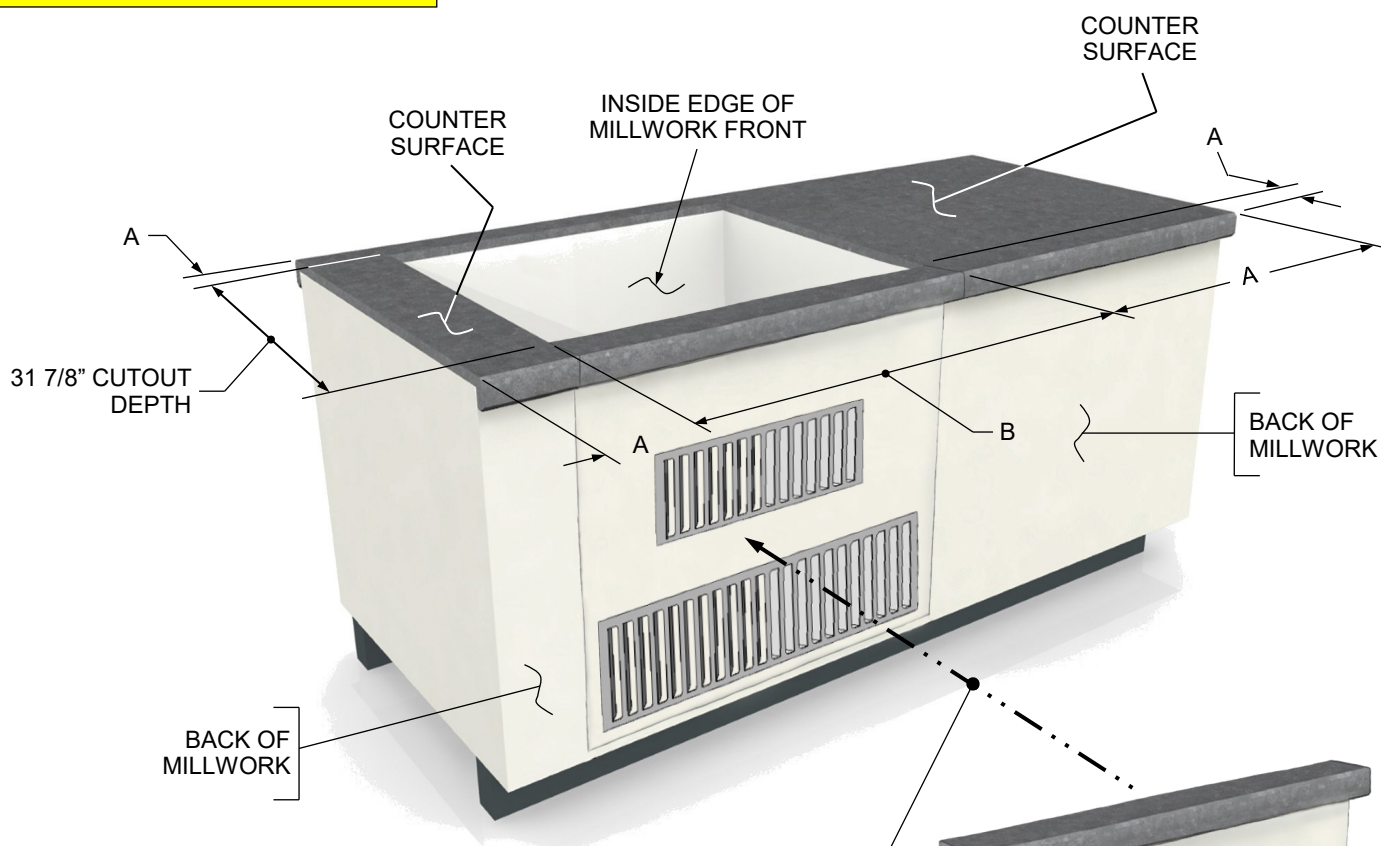
MODELS	A*	B**	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3627RSSV2	1 1/2" MINIMUM	35"	168	225
NE4827RSSV2	1 1/2" MINIMUM	47"	300	400

\* 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!



IMPORTANT! CABINETRY MUST BE BUILT IN MANNER TO ALLOW CASE BE SLID INTO STRUCTURE AND TO ALLOW CONDENSER PACKAGE TO BE SLID OUT FROM UNDERSIDE OF CASE.

SAMPLE REMOVABLE MILLWORK SHOWN. NOTE: YOUR CABINETRY DESIGNER MAY CONSTRUCT THIS PIECE DIFFERENTLY TO MEET CONDENSER PACKAGE ACCESS REQUIREMENTS.

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

**MINIMUM AIRFLOW CLEARANCE REQUIREMENTS - MINIMUM INTAKE & EXHAUST AT REAR<sup>∞</sup>**

**MINIMUM AIRFLOW CLEARANCE REQUIREMENTS**

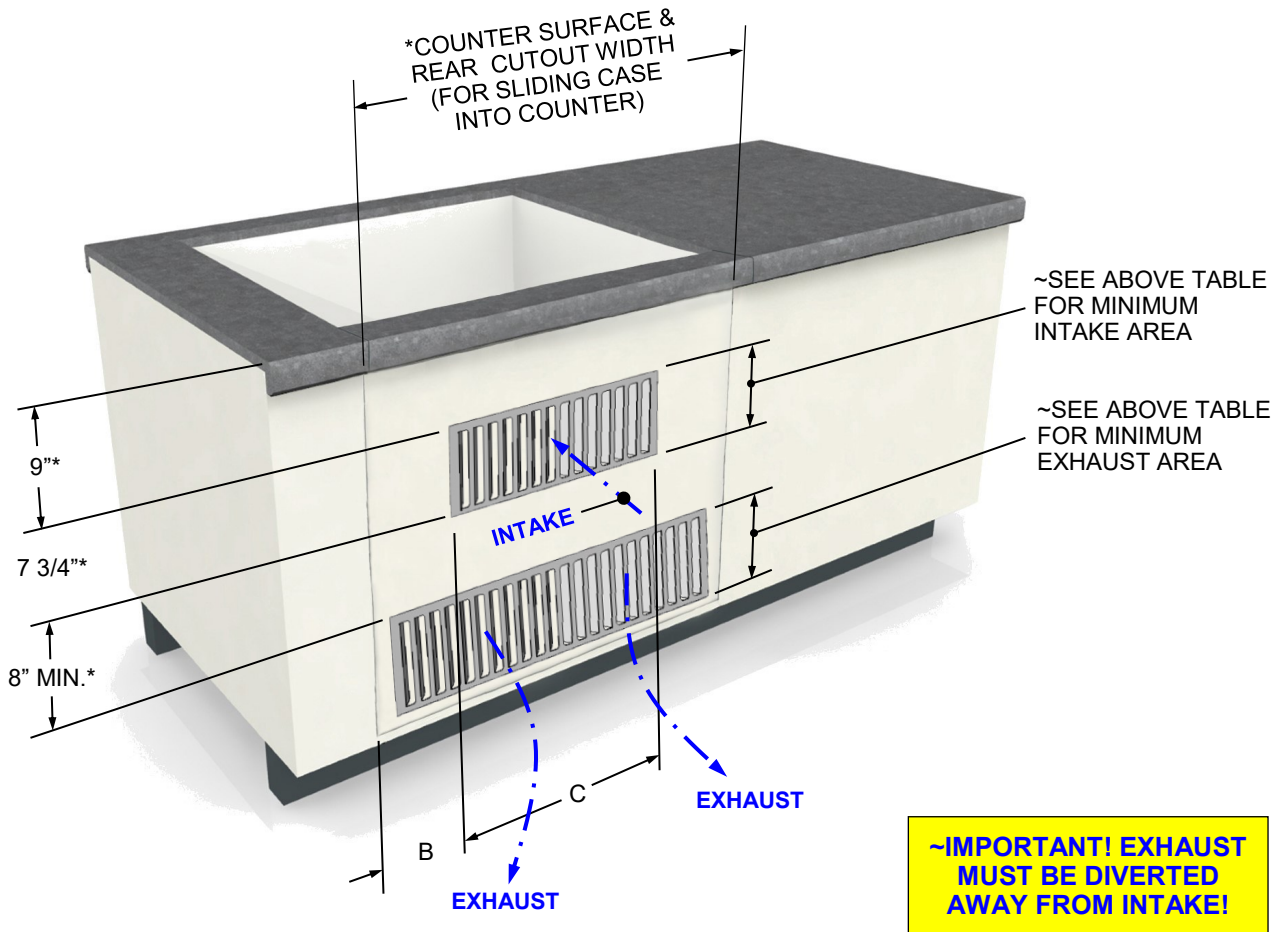
1	1 1/2" minimum space is required at inside edge of front millwork to case's fascia to allow proper air intake and exhaust. See illustration and note #3 on next page.
2	Cabinetry MUST provide access space to allow rear slide-out of condenser package (or front slide-out package, depending upon options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

MODEL	A*	B	C	MIN. INTAKE (in <sup>2</sup> )~	MIN. EXHAUST (in <sup>2</sup> )~
NE3627RSSV2	35"	7 1/2"	17 3/4"	168	225
NE4827RSSV2	47"	18 1/2"	23 7/8"	300	400

† **NOTE:** SEE NEXT PAGE FOR ADDITIONAL MODELS.

<sup>∞</sup>**NOTE:** REAR INTAKE/EXHAUST IS ALSO APPLICABLE TO UNITS WITH FRONT INTAKE/EXHAUST. SEE NEXT PAGE FOR SIDE VIEWS OF DESIGN.

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



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

## SIDE VIEW: REAR AIRFLOW CLEARANCE REQUIREMENTS & MINIMUM INTAKE/EXHAUST REQ'TS

### 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.
4	Close-off must prevent airflow between underside of case and inside edge of rear millwork.

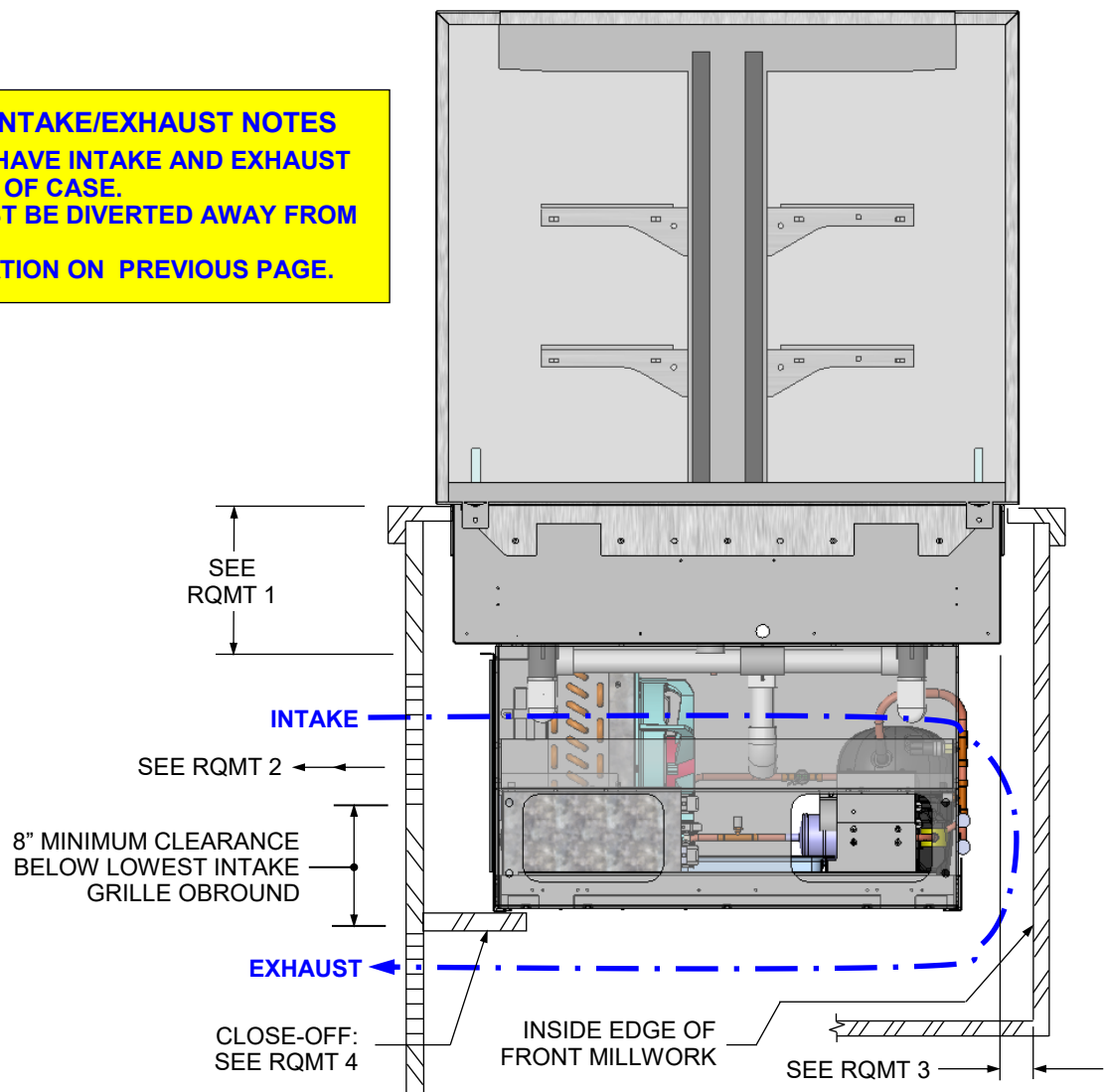
### MINIMUM AIRFLOW INTAKE & EXHAUST REQUIREMENTS

MODELS	MINIMUM INTAKE (in <sup>2</sup> )~	MINIMUM EXHAUST (in <sup>2</sup> )~
NE3627RSSV2	168	225
NE4827RSSV2	300	400

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

#### IMPORTANT INTAKE/EXHAUST NOTES

1. THESE UNITS HAVE INTAKE AND EXHAUST AT SAME SIDE OF CASE.
2. EXHAUST MUST BE DIVERTED AWAY FROM INTAKE!
3. SEE ILLUSTRATION ON PREVIOUS PAGE.



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