

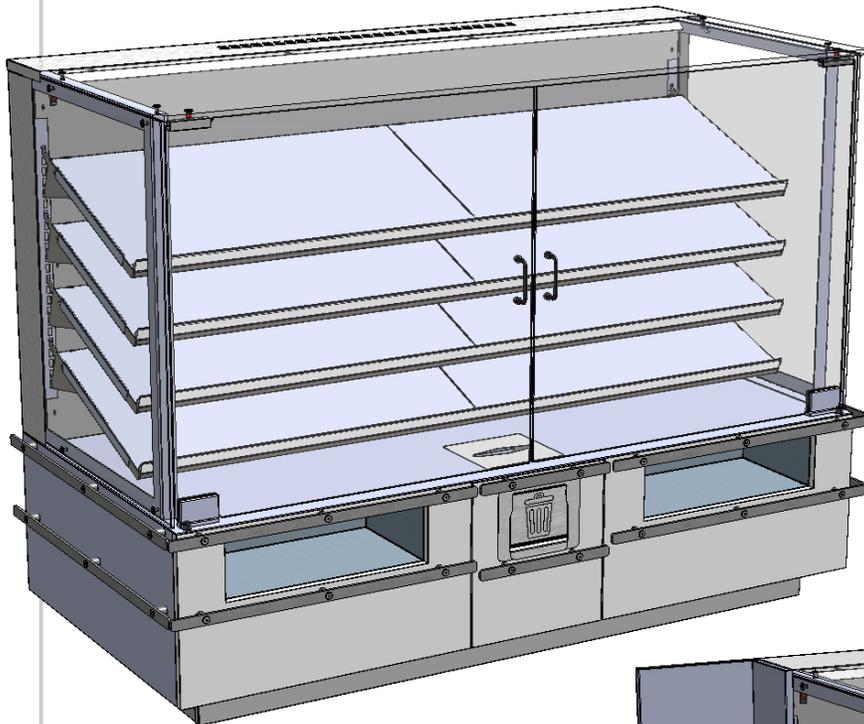
BLEND®

User Manual

SCC P/N
21-27948

BLEND® SELF-SERVICE DRY (AMBIENT) MERCHANDISERS

- > THIS USER GUIDE IS APPLICABLE TO MODEL NM4855DSSV and NM7255DSSV
- > SOLID REAR PLENUM / PRESSURIZED FAN SYSTEM TO PREVENT INSECT INFILTRATION
- > HINGED FRONT GLASS DOORS WITH CENTER HANDLES /
- > FRONT CUBBIES / FRONT NAPKIN DISPENSER INSIDE UNIT / TRASH DOOR
- > **CAUTION! DO NOT PUSH OR PULL ON GLASS UPRIGHTS!**
- > **ONLY USE HANDLES (AT EACH END OF CASE) TO PUSH OR PULL CASE INTO POSITION!**



Note: See Blend® Case-To-Case Adjoinment Guide P/N 21-26284 For Lineup Options As Well As Step-By-Step Lineup Instructions.

Model NM7255DSSV Ambient Merchandiser Shown At Left

Model NM4855DSSV Ambient Merchandiser With Optional Tray Feature Shown At Right

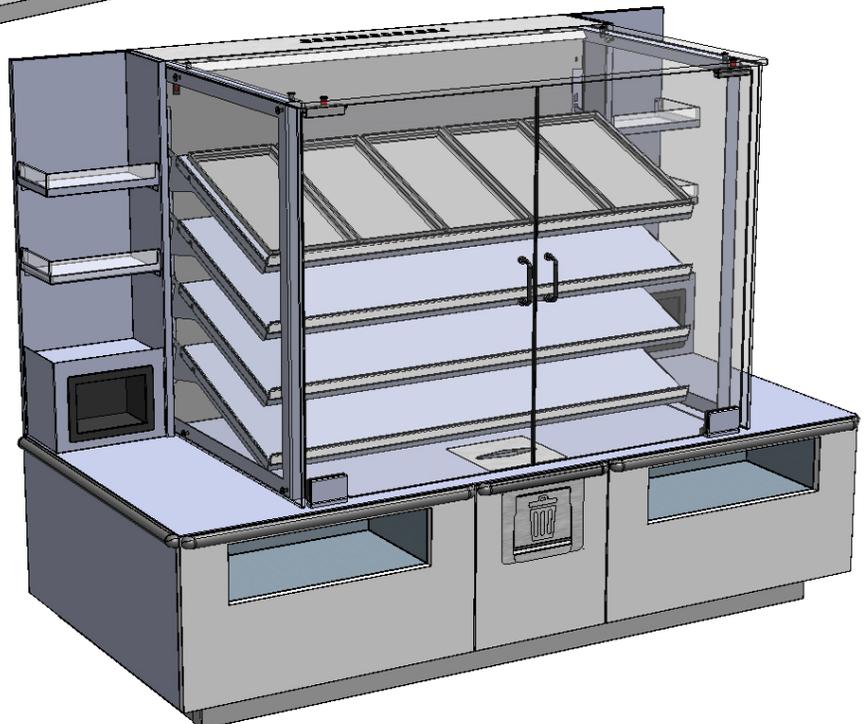


TABLE OF CONTENTS

TABLE OF CONTENTS	2
OVERVIEW / COMPLIANCE / LED LIGHTS PRECAUTION / ELECTRICAL HAZARD WARNING / WIRING DIAGRAM	3
BLEND® FREE STANDING REFRIGERATED SELF-SERVICE MODEL APPLICABILITY AND INDIVIDUAL MODEL DIMENSIONS	4
INSTALLATION: TOE-KICK & REAR PANEL REMOVAL / REMOVING SKID BRACKETS AND BLOCKS	5
INSTALLATION, CONT'D.: CASTER ADJUSTMENT / LOCK / UNLOCK / CASE REMOVAL FROM SKID	6
INSTALLATION, CONT'D: TOE-KICK REATTACHMENT	7
INSTALLATION, CONT'D: SHELVING ASSEMBLY COMPONENTS	8
INSTALLATION, CONT'D: FIELD WIRE (OR PLUG IN) CASE / TURN ON LED LIGHTS	9
CASE DESIGN: TOP SIDE VIEW OF AMBIENT, SELF-SERVICE MERCHANDISERS	10
CASE DESIGN, CONT'D: UNDERSIDE VIEW OF AMBIENT SELF-SERVICE MERCHANDISERS ...	11
CASE DESIGN, CONT'D: LED STYLE LIGHT FIXTURES	12
CASE DESIGN, CONT'D: PRESSURIZED FAN SYSTEM TO PREVENT INSECT INFILTRATION	13
CLEANING SCHEDULE (TO BE PERFORMED BY STORE PERSONNEL)	14
TROUBLESHOOTING (TO BE PERFORMED BY STORE PERSONNEL)	15
TROUBLESHOOTING (TO BE PERFORMED BY TRAINED SERVICE PROVIDERS ONLY)	16
SERIAL LABEL LOCATION & INFORMATION LISTED / TECH INFORMATION & SERVICE	17
STRUCTURAL CONCEPTS TECHNICAL SERVICE CONTACT INFORMATION & LIMITED WARRANTY	18

OVERVIEW

- These Blend® ambient merchandisers should be installed and operated according to this operating manual's instructions to insure proper performance.
- Improper use will void warranty.

COMPLIANCE

- Performance issues when in violation of applicable NEC, federal, state and local electrical codes are not covered by warranty.

LED LIGHT REPLACEMENT PRECAUTIONS

- Following LED light replacement guidelines can prevent damage to unit. Please read carefully!

ELECTRICAL HAZARD WARNING

- Please read the important warning in this document carefully as it can prevent injury or death.
- See below.

WIRING DIAGRAM

- Each case's wiring diagram is folded and in a packet.
- Wiring diagram placement may vary (near ballast box, field wiring box, raceway cover or other related location).



**ATTENTION
CONTRACTORS**

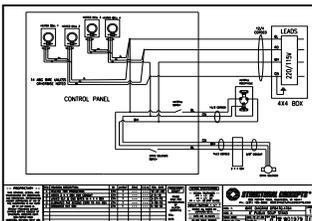
COMPLIANCE
This equipment **MUST** be installed in compliance with all applicable NEC, federal, state and local electrical codes.



CAUTION! LED LIGHT REPLACEMENT PRECAUTIONS
LED lights reflect specific size, shape and overall design. Any replacements must meet factory specifications.



ELECTRICAL HAZARD WARNING
Risk of electric shock. Disconnect power before servicing unit.
CAUTION! More than one source of electrical supply is employed with units that have separate circuits.
Disconnect ALL ELECTRICAL SOURCES before servicing.



WIRING DIAGRAM FORMAT & LOCATION

- Each case has its own wiring diagram folded & in its own packet.
- Wiring diagram placement may vary; it may be placed near field wiring box, raceway, or other related location.



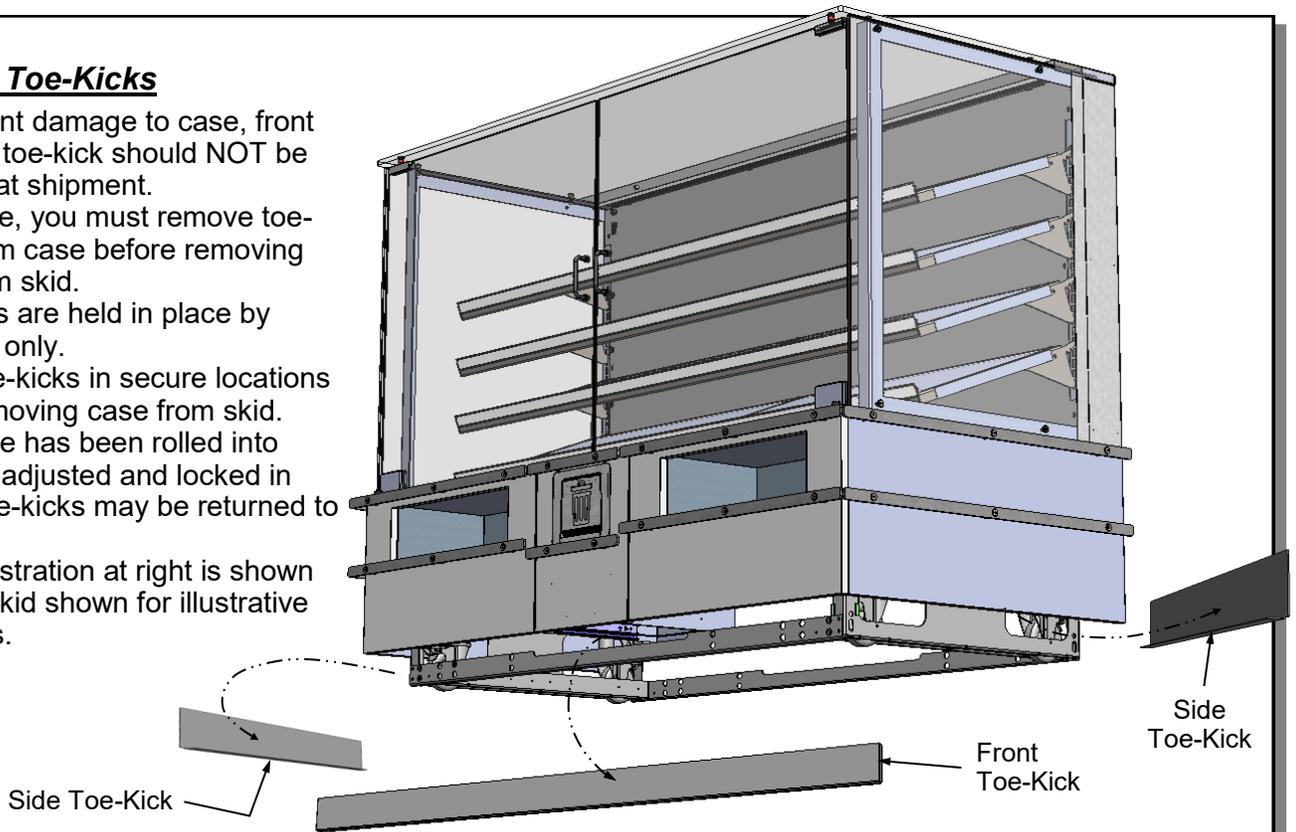
WARNING: This product can expose you to chemicals, including Urethane (Ethyl Carbamate), which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to P65Warnings.ca.gov.

BLEND® FREE STANDING REFRIGERATED SELF-SERVICE MODEL APPLICABILITY & DIMENSIONS

Model	Upper Display Case Height	Overall Case Height	Case Depth x Width
NM4855DSSV	35 1/4"	54 5/8"	33"D x 71 3/4"W
NM7255DSSV	35 1/4"	54 5/8"	33"D x 71 3/4"W

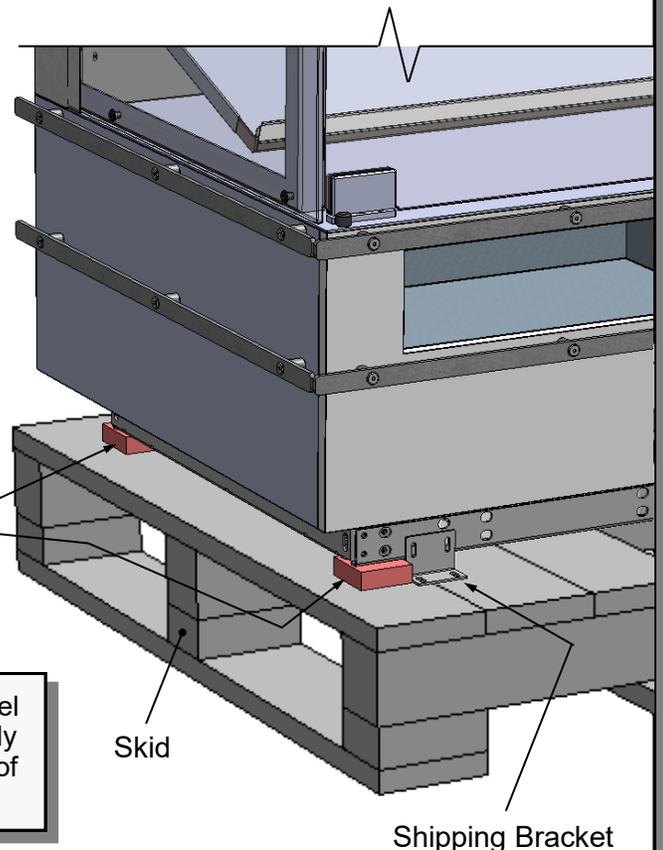
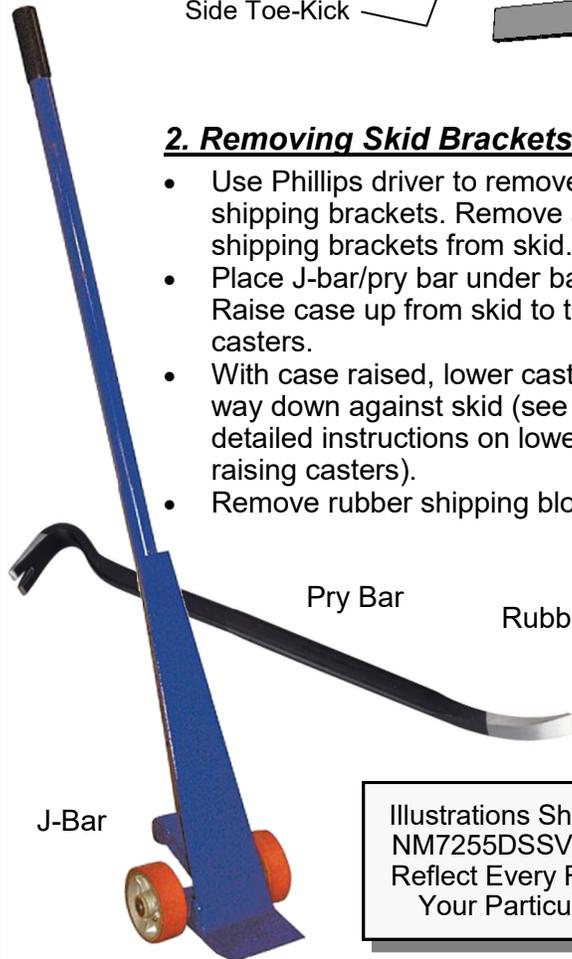
1. Remove Toe-Kicks

- To prevent damage to case, front and side toe-kick should NOT be on case at shipment.
- If they are, you must remove toe-kicks from case before removing case from skid.
- Toe-kicks are held in place by magnets only.
- Place toe-kicks in secure locations while removing case from skid.
- After case has been rolled into location, adjusted and locked in place, toe-kicks may be returned to case.
- Note: Illustration at right is shown without skid shown for illustrative purposes.



2. Removing Skid Brackets and Blocks

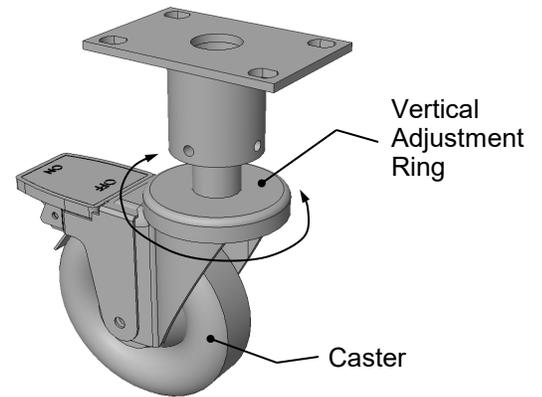
- Use Phillips driver to remove screws from shipping brackets. Remove and discard shipping brackets from skid.
- Place J-bar/pry bar under base frame. Raise case up from skid to take weight off casters.
- With case raised, lower casters all the way down against skid (see next step for detailed instructions on lowering or raising casters).
- Remove rubber shipping blocks.



Illustrations Shown Reflects Model NM7255DSSV. It May Not Exactly Reflect Every Feature or Option of Your Particular Merchandiser.

3. Caster Height: Raising and Lowering

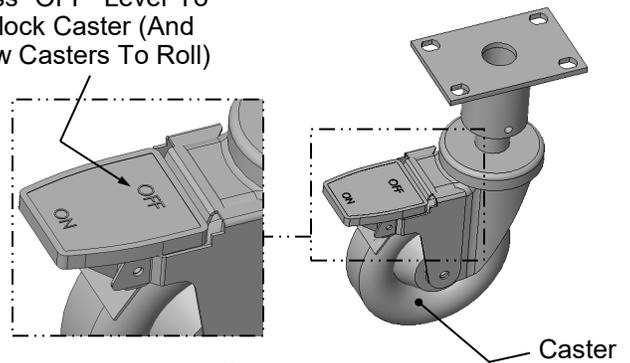
- Raise or lower casters (to adjust case height) by rotating casters' vertical adjustment rings.
 - Rotate vertical adjustment ring clockwise to lower caster (and increase height of case).
 - Rotate vertical adjustment ring counter-clockwise to raise caster (and decrease height of case).



4. Caster Rolling Capability: Unlocking

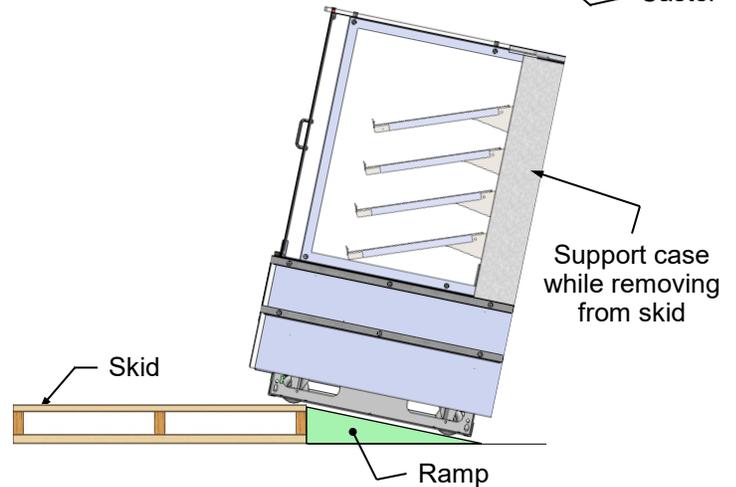
- Important! Case is shipped with caster mechanisms factory set at **ON** (locked) to prevent case from rolling.
- Unlock casters by pressing **OFF** on the caster mechanism.
- See illustration at right.

Press "OFF" Lever To Unlock Caster (And Allow Casters To Roll)



5. Carefully Remove Case From Skid

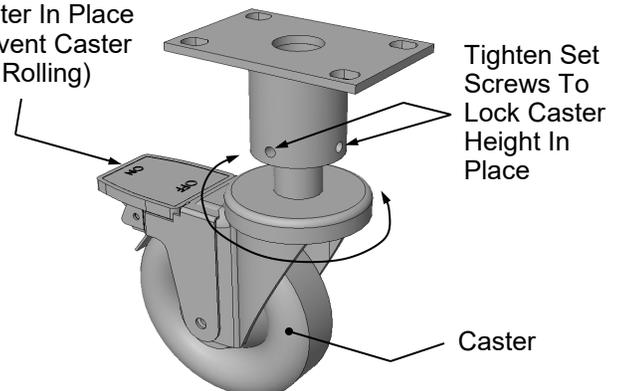
- Check that casters are lowered as far down as they will go (as instructed in step #4).
- Use handles to carefully slide case to edge of skid (see illustration at right).
- **Caution! 4 people are required for this task!**
- Carefully lower to floor (using ramp if available).
- Slide skid from under case as required.
- Support case at all times or case may fall.
- See illustration at right.



6. Castors: Locking

- After case is at desired position (and height), use level to check that case is level and plumb.
- Readjust height as needed (as instructed in step #4 above).
- Locking Height: After proper height (and positioning) of case is attained, tighten the two (2) set screws to lock each caster's height in place.
- Locking Movement: Then, to prevent casters' rolling capability, lock casters by pressing ON atop the "ON" and "OFF" lever mechanism (shown at right). Case will now be secured at its new location.

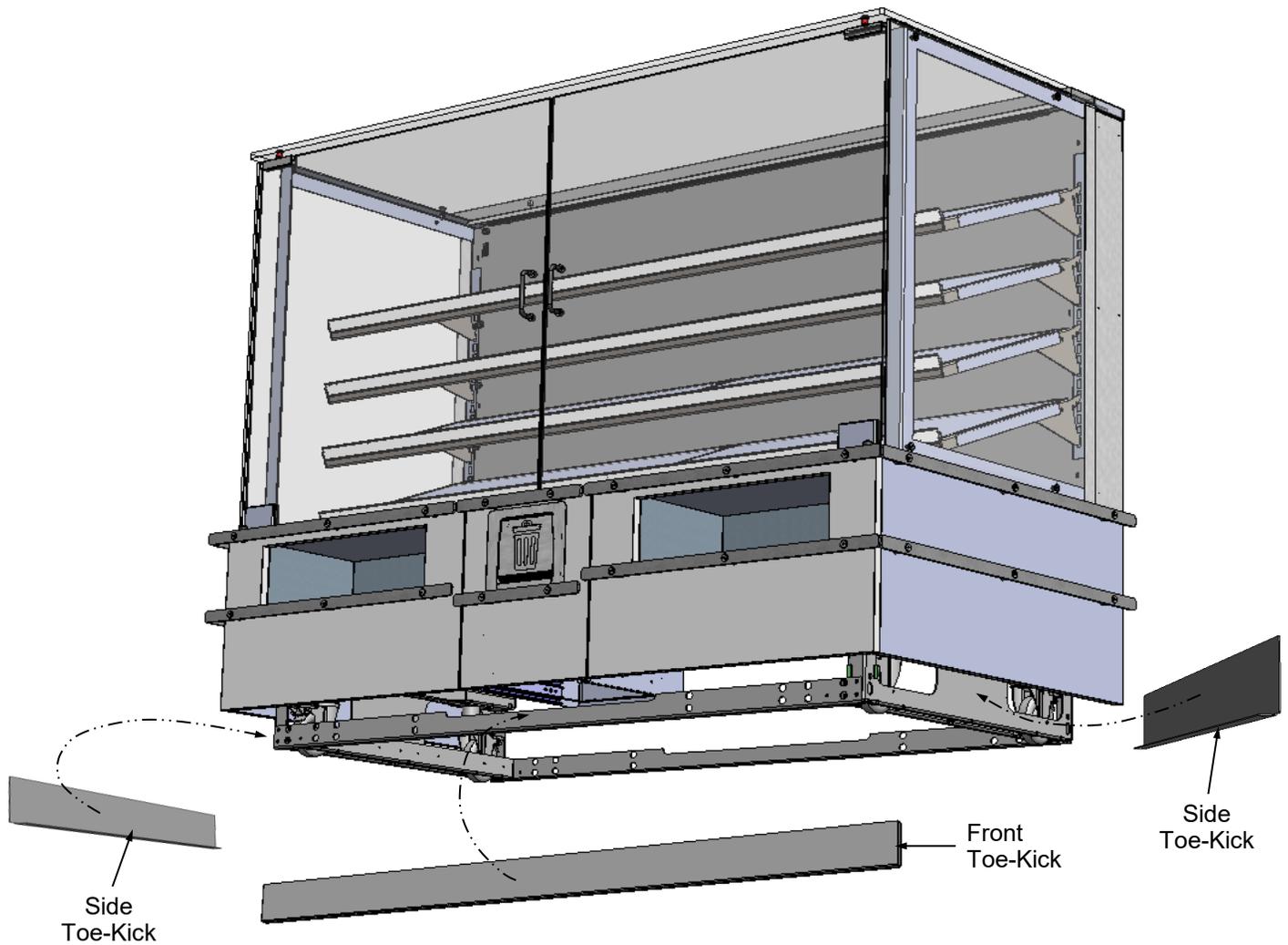
Press "ON" Lever To Lock Caster In Place (And Prevent Caster From Rolling)



7. Return Toe-Kicks To Case

- After case has been rolled into position and casters height adjusted and locked, return toe-kicks to case.
- Toe-kicks are held in place by magnets only.
- See illustration below.

Illustrations Shown Reflects Model NM7255DSSV. It May Not Exactly Reflect Every Feature or Option of Your Particular Merchandiser.



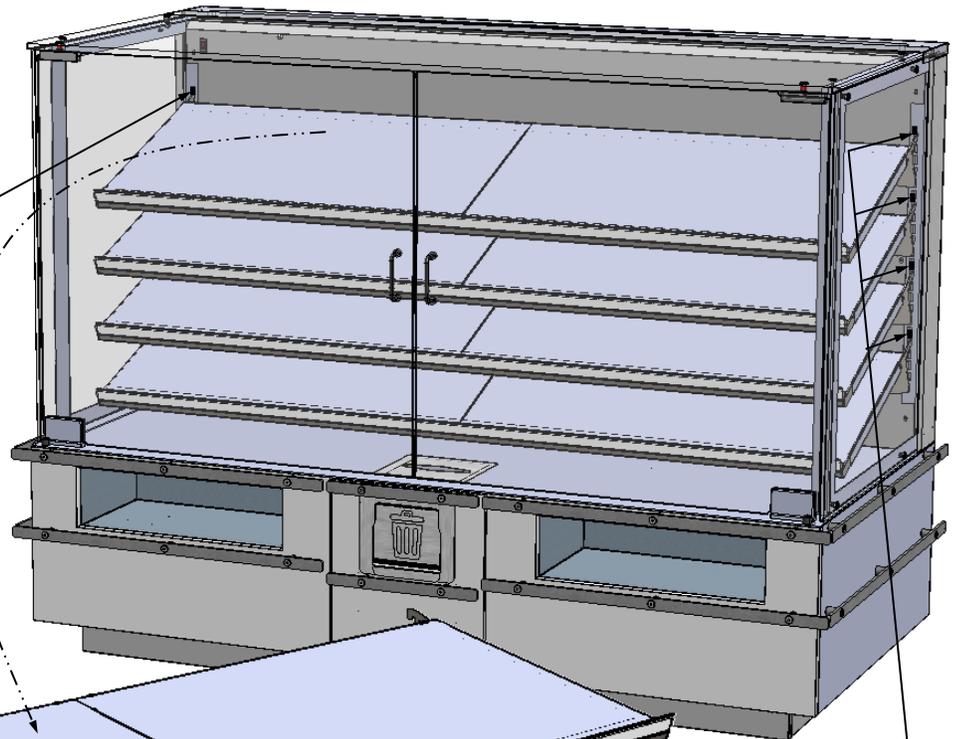
8. Shelving Assembly Components

- Check that shelving is in proper position before placing product in case
- Shelves may be adjusted vertically, horizontally or entirely removed from merchandiser.

- See illustrations below for components comprising each shelf assembly.
- Nylon retainer clips (2 per shelf) secure brackets during shipment. Note: To adjust or remove shelves, you must remove retainers; pliers may be required to accomplish this task.

Illustrations Shown Reflects Model NM7255DSSV. It May Not Exactly Reflect Every Feature or Option of Your Particular Merchandiser.

Nylon Retainer Clip (Typ.)



Shelf Top - For Placing Product (Typ.)

Nylon Retainer Clip (Typ.)



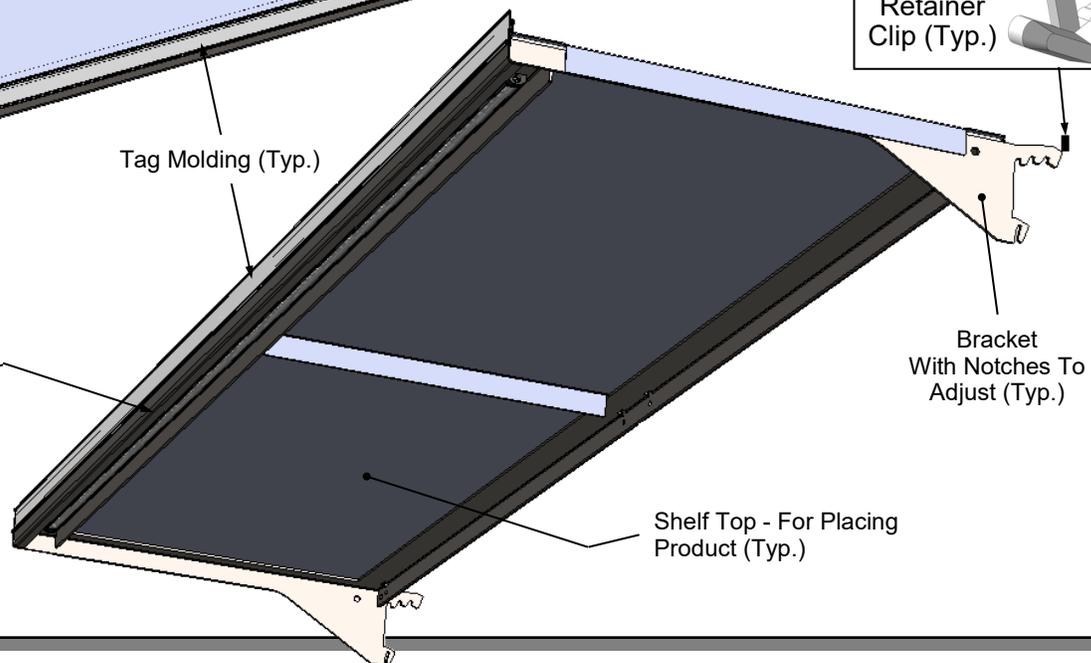
Bracket With Notches To Adjust (Typ.)

Tag Molding (Typ.)

Bracket With Notches To Adjust (Typ.)

LED Light (Typ.)

Shelf Top - For Placing Product (Typ.)

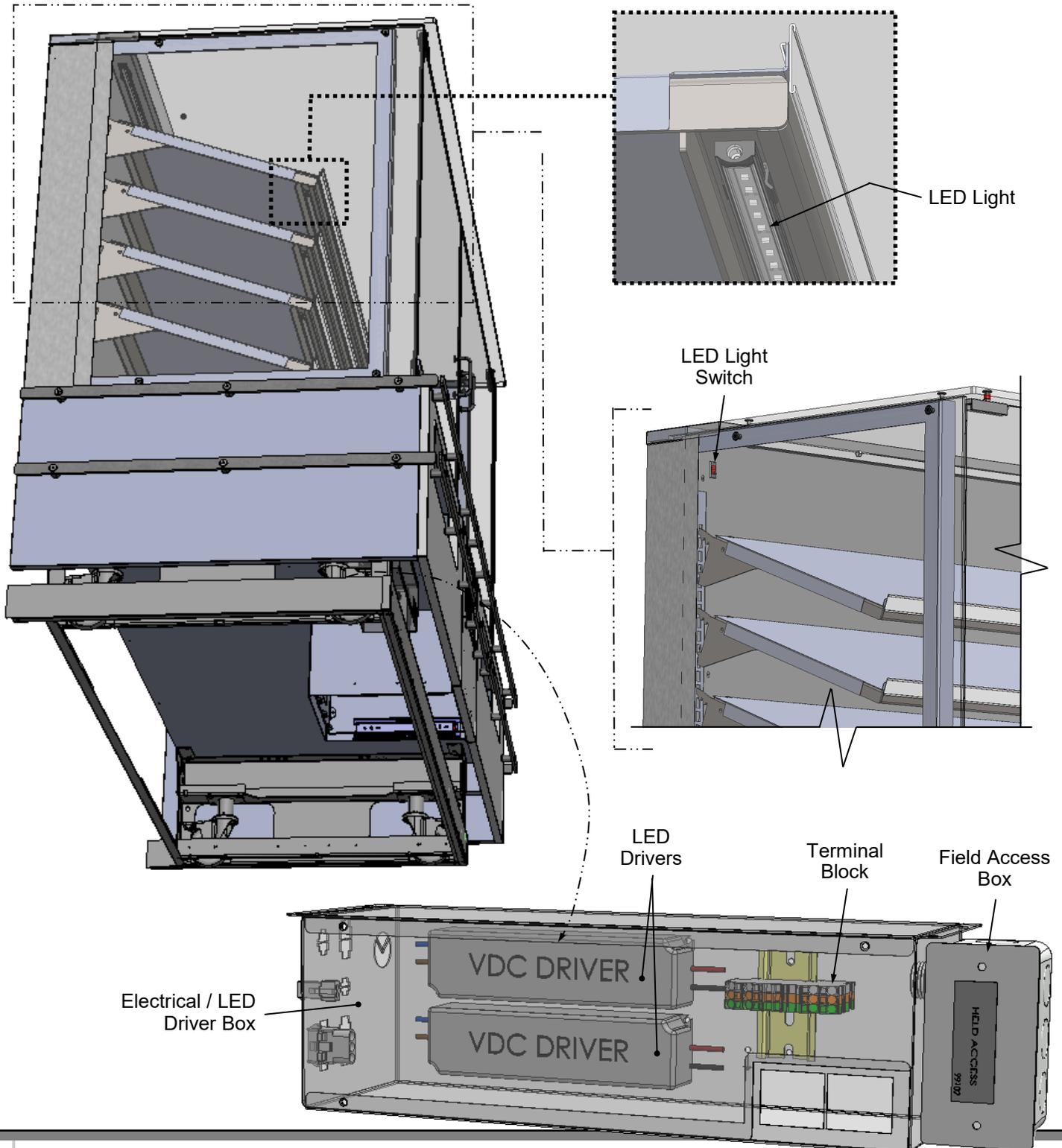


INSTALLATION, CONT'D: FIELD WIRE (OR PLUG IN) CASE / TURN ON LED LIGHTS

9. Field Wire (Or Plug In) Case / Turn on LED Lights

- Field-wired case or plug unit into outlet (if plug is present).
- Case will energize when properly field-wired (or plugged into outlet).
- Turn on LED light switch at rear-left plenum.

Illustrations Shown Reflects Model NM7255DSSV. It May Not Exactly Reflect Every Feature or Option of Your Particular Merchandiser.

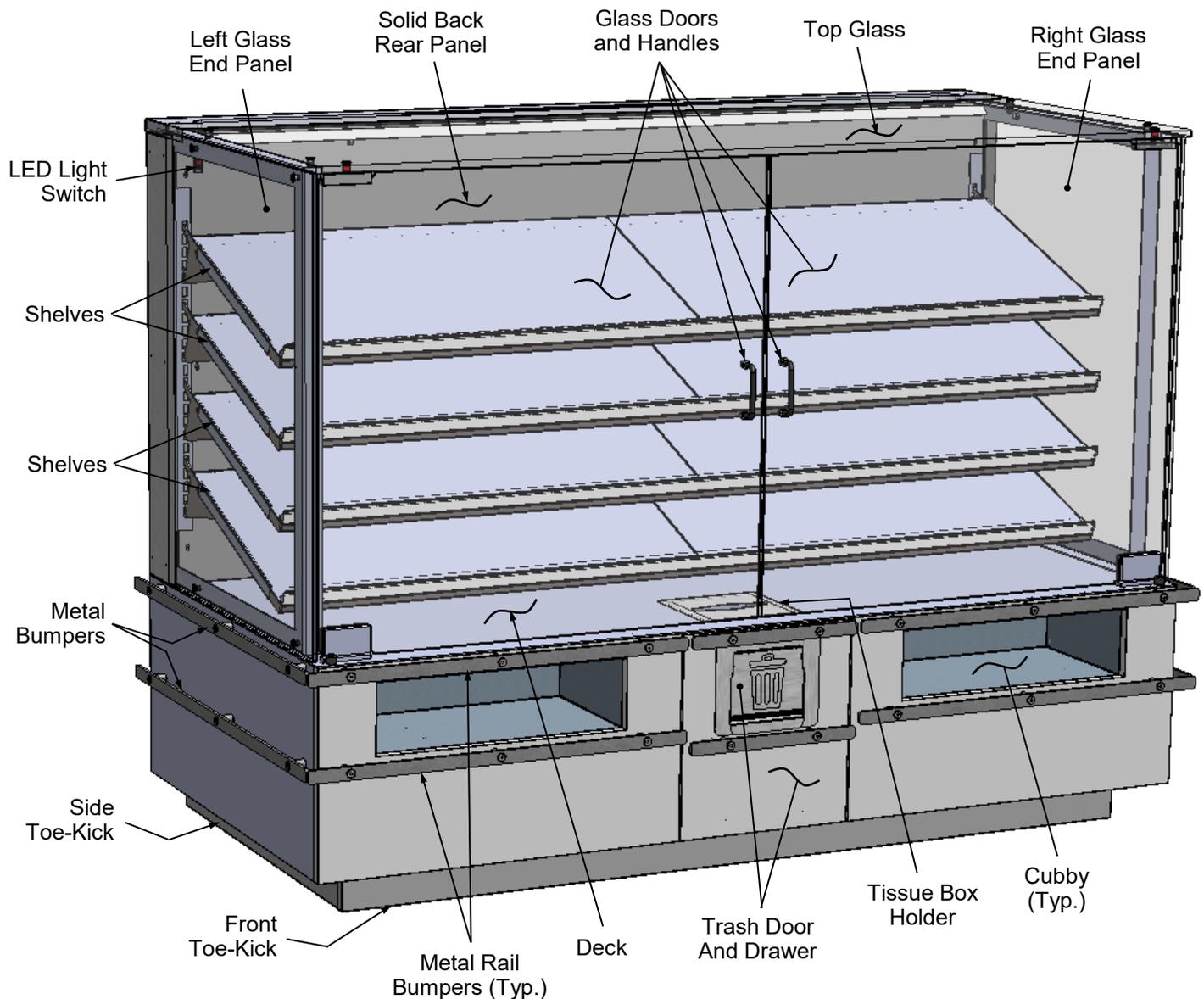


CASE DESIGN: TOP SIDE VIEW OF AMBIENT, SELF-SERVICE MERCHANDISERS

1. Front View of Ambient, Self-Service Merchandisers

- Solid back panel is shown. Your unit may have rear sliding doors.
- Field access box and electrical box (with LED drivers) are accessible after front panel has been removed.
- Note: Only certified electricians are to access electrical components in case.
- See next page for rear view of merchandiser.

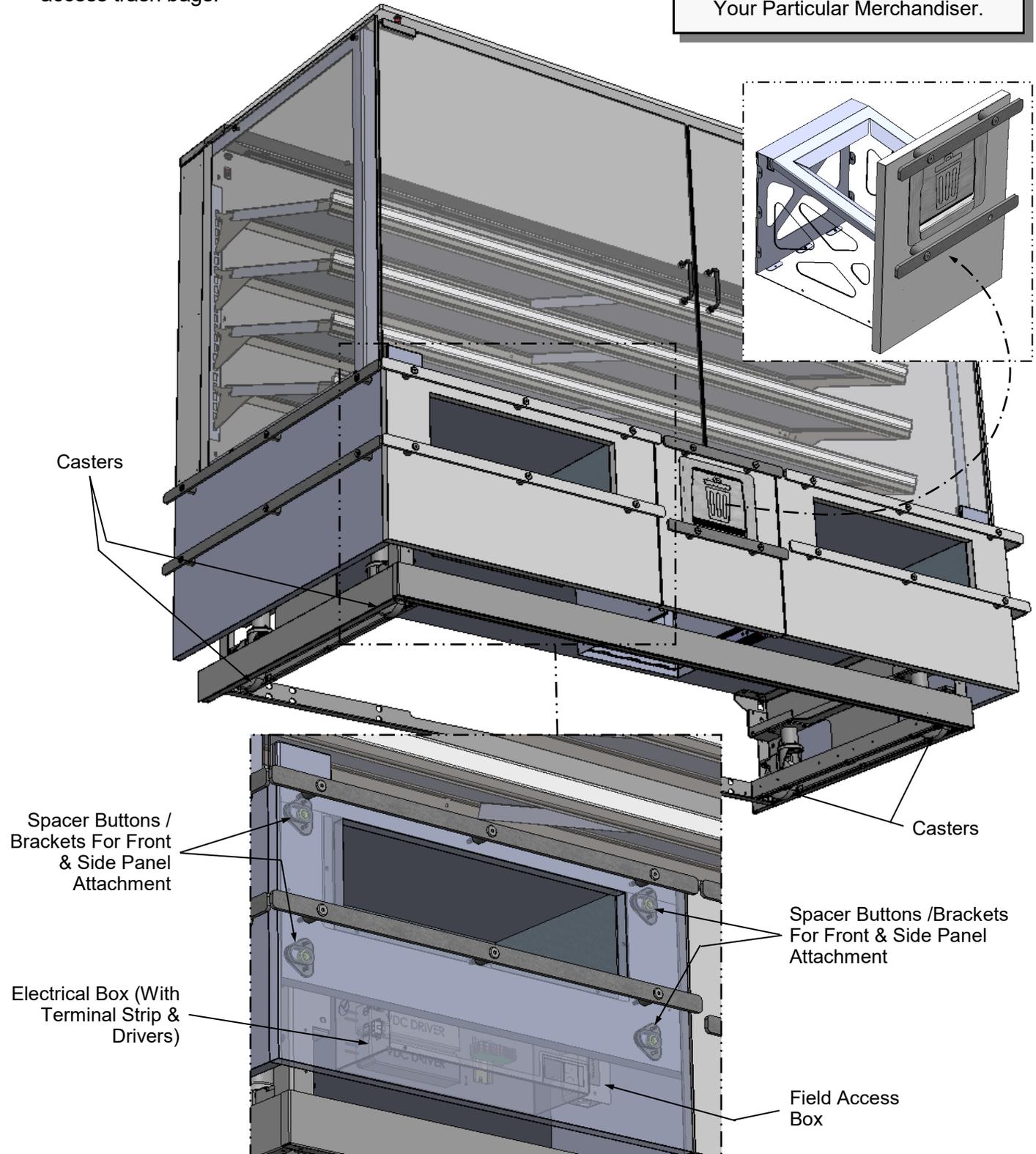
Illustrations Shown Reflects Model NM7255DSSV. It May Not Exactly Reflect Every Feature or Option of Your Particular Merchandiser.



2. Underside View Of Ambient Self-Service Merchandisers

- Power cord route may differ depending upon customer request.
- Slide-out drawer (shown below-right) may be pulled out to access trash bags.

Illustrations Shown Reflects Model NM7255DSSV. It May Not Exactly Reflect Every Feature or Option of Your Particular Merchandiser.



3. LED Style Light Fixtures

Removal of Faulty LED Lights:

- LED lights rarely require change-out.
- Contact Structural Concepts' Technical Service Department for replacement LED lights.
- Turn off LED light switch.
- To remove faulty LED light, follow these steps:
 - A. Disconnect plug from LED light.
 - B. Using both hands, grasp LED light assembly (with its magnetic mounting clips). Pull downward and off its shelf (or header).
 - C. Remove magnetic mounting clips from LED light by pressing against flange part of clip with thumb.

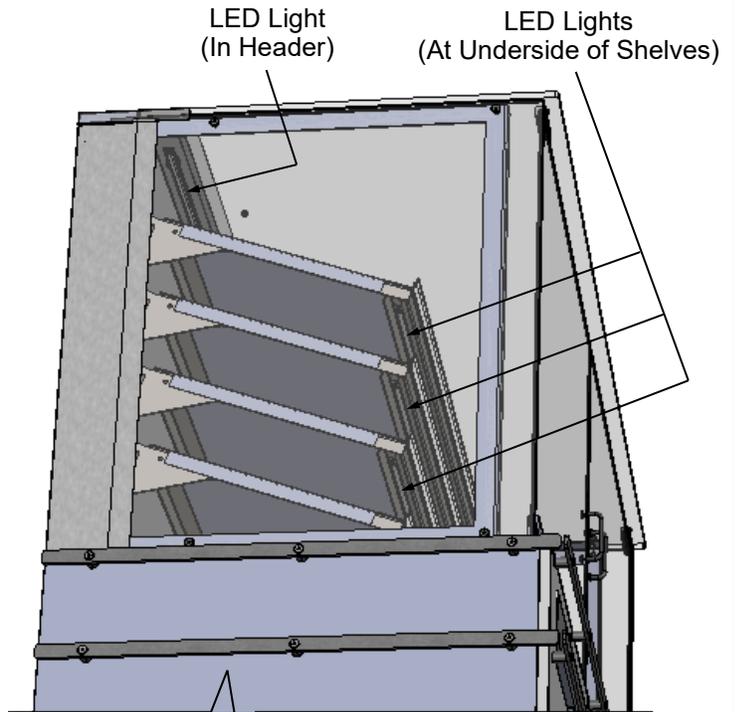
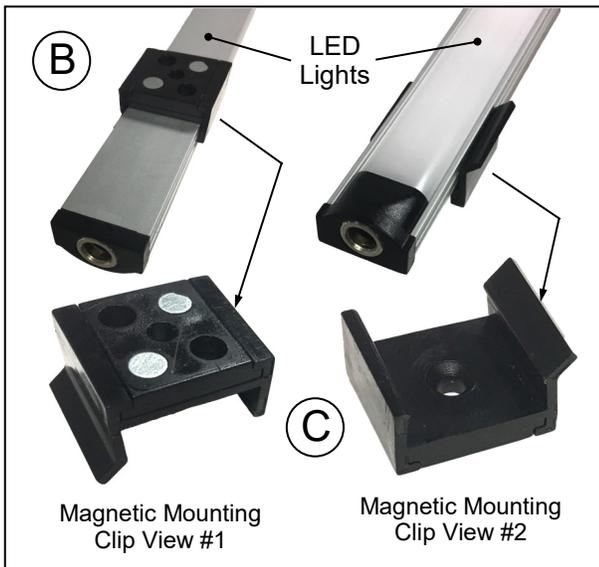
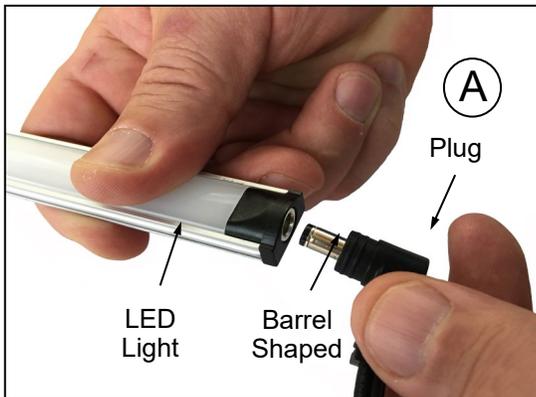
>> **Note:** Mounting clips MAY be riveted to shelf or header. In such instances, simply remove LED light from mounting clips by pressing against flange part of clips with thumb.

Replacement of LED lights:

- Attach magnetic mounting clips to LED light.
- Adjust magnetic mounting clips so they are equally spaced on LED light.
- Reattach LED light assembly to its shelf/header.
- Position properly in shelf/header.

>> **Note:** If mounting clips are riveted to shelf (or header), attach by placing LED in base of clip and then snapping into clip at FLANGE SIDE.

- Press plug's barrel-shaped insert all the way into LED light.
- **Important:** If plug is not inserted ALL THE WAY IN the LED light's orifice, the light may not energize. See "BAD" vs. "GOOD" insertion illustrations below-right.
- Turn LED light switch back on.



--- Angled View of Header and Underside of Shelves ---

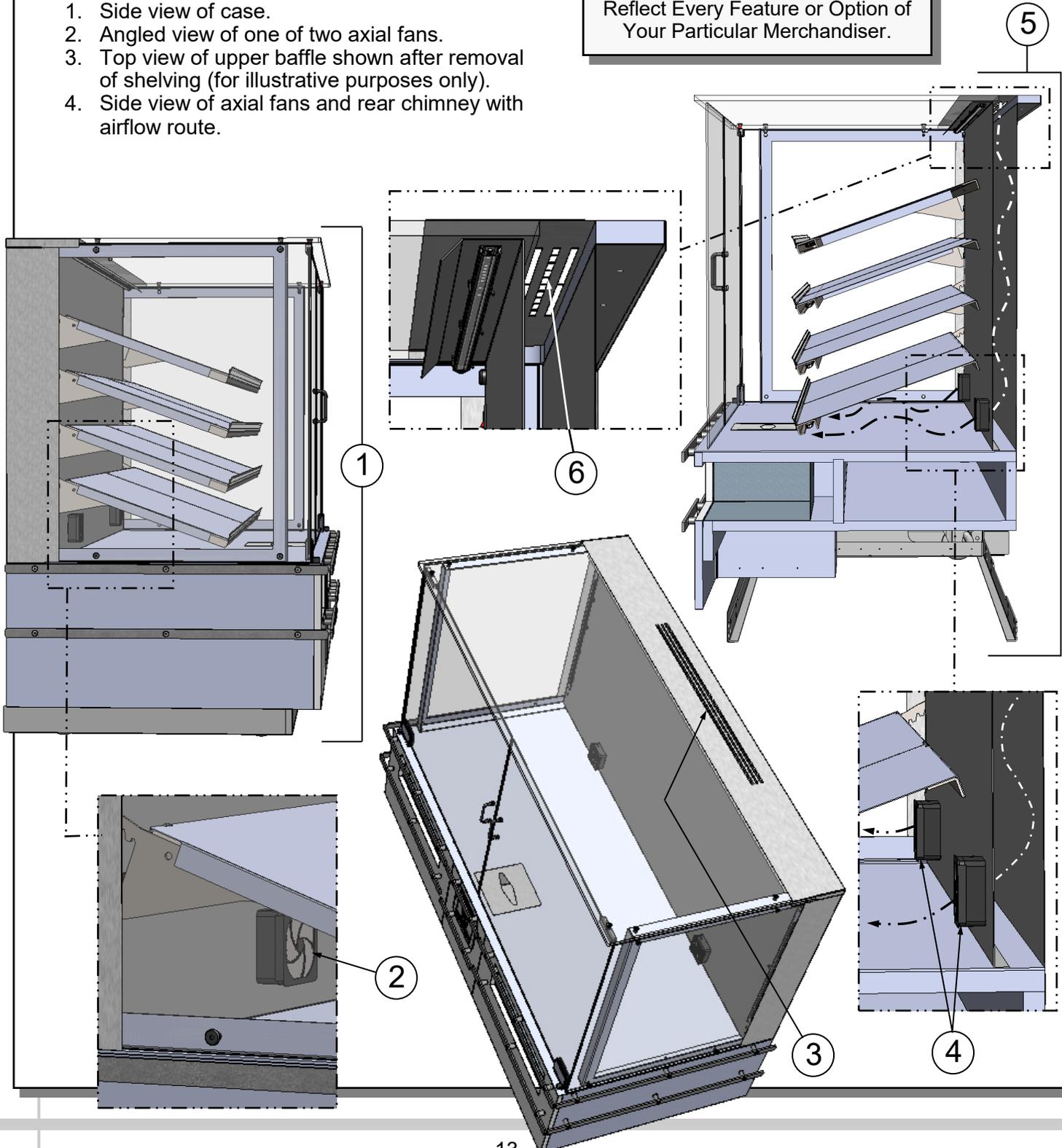


4. Pressurized Fan System

- Case is pressurized from inside to out using axial fans at rear plenum.
- Case is designed to prevent insect infiltration with airflow pressure along rear chimney through upper baffle.
- Illustrations below show how system works.
 1. Side view of case.
 2. Angled view of one of two axial fans.
 3. Top view of upper baffle shown after removal of shelving (for illustrative purposes only).
 4. Side view of axial fans and rear chimney with airflow route.

5. Sectioned view of case showing airflow from axial fans, along rear chimney and through upper baffle.
6. Sectioned view of case showing upper baffle.

Illustrations Shown Reflects Model NM7255DSSV. It May Not Exactly Reflect Every Feature or Option of Your Particular Merchandiser.



CLEANING SCHEDULE (TO BE PERFORMED BY STORE PERSONNEL)

FREQUENCY	INSTRUCTIONS
Daily	<u>Glass Surfaces:</u> Clean side glass and shelves with household or commercial glass cleaner.
Daily	<u>Exterior Glass:</u> Clean with household or commercial glass cleaner.
Daily	<u>Acrylic Tray/Shelf (on NM4855DSSV Only):</u> Use non-abrasive cloth with warm water and mild soap solution to wipe off all surfaces. Dry with non-abrasive cloth.
Daily	<u>End Panels, Front Panel, Toe-Kick, Tray/Shelving, etc.:</u> Wipe off all surfaces with warm water and mild soap solution and non-abrasive cloth.
Daily	<u>Decks:</u> Wipe off decks with moist cloth dipped in mild soap and water solution.
Daily	<p><u>Stainless Steel Surfaces:</u></p> <ul style="list-style-type: none"> • Wash with a solution of hand dishwashing liquid detergent and water, or a solution of baking soda and water. Rinse and polish dry with paper towel or soft cloth. • Never use scouring powders or steel wool as they will scratch stainless steel. • Brighten by polishing with a cloth dipped in vinegar or in ammonia; sprinkle baking soda on sponge and rub gently; rinse. Polish dry with paper towel. • Remove streaks or heat stains from stainless steel by rubbing with club soda.
Quarterly	<p><u>Under Case Cleaning:</u></p> <p><u>A. Rolling Case To New Location:</u></p> <ul style="list-style-type: none"> • If case is NOT hard wired, it may be rolled forward or backward to allow access to case underside (depending upon its store placement). • Use vacuum with brush extension or broom and dust pan to remove all dust, dirt, food particles or residue. • Roll case back into its previous location after cleaning is complete. <p><u>B. Case Component Removal/Replacement:</u></p> <ul style="list-style-type: none"> • Whether case is hard wired or not, case components may be removed to allow cleaning under case. • Front and side toe-kicks are held in place with magnets and are removable <u>without tools</u>. • Replace components when cleaning process is complete.

TROUBLESHOOTING (TO BE PERFORMED BY STORE PERSONNEL)

CONDITION	TROUBLESHOOTING
Case Lights Not Working	<p>Check that light switch is in the <i>ON</i> position.</p> <ul style="list-style-type: none"> • See CASE DESIGN: TOP SIDE VIEW OF AMBIENT, SELF-SERVICE MERCHANDISERS section in manual for switch locations.
	<p>If case is NOT hard-wired, check that power cord is properly connected to wall outlet.</p>
	<p>Check that ALL of the light plugs are properly connected to the LED light.</p> <ul style="list-style-type: none"> • Plug must be inserted ALL THE WAY into the LED light orifice (with no gap). • See CASE DESIGN, CONT'D: LED STYLE LIGHT FIXTURES section in manual.
	<p>Power may not be reaching the case.</p> <ul style="list-style-type: none"> • Contact store management to have trained service provider perform troubleshooting. • Troubleshooting to be performed by trained service providers only is on next page.
	<p>If case light still do not come on, it may need to be replaced.</p> <ul style="list-style-type: none"> • Contact Structural Concepts' Technical Service Department for replacement light (see TECHNICAL SERVICE section of this manual for contact information). • To replace, disconnect plug from existing LED light. Disconnect LED light from its brackets. Replace with new LED light. Insert plug ALL THE WAY into LED light orifice.
Pressurized Fan System's Axial Fan(s) Not Working	<p>Check that power is being provided to case.</p> <ul style="list-style-type: none"> • If case is NOT hard-wired, check that power cord is properly connected to wall outlet. • If LED light switch is on but LED lights are not energized, axial fan(s) may need to be replaced.
	<p>Power may not be reaching the case.</p> <ul style="list-style-type: none"> • Contact store management to have trained service provider perform troubleshooting. • Troubleshooting to be performed by trained service providers only is on next page.

TROUBLESHOOTING (TO BE PERFORMED BY TRAINED SERVICE PROVIDERS ONLY)

CONDITION	TROUBLESHOOTING
Case Lights Are Not Working	See previous page for most common LED light troubleshooting solutions.
	Check power. <ul style="list-style-type: none">• If power is not supplied to the case, facility may have faulty power distribution.• If power is supplied to the case but lights are not energized, case's power supply may be faulty.
Pressurized Fan System's Axial Fan(s) Not Working	Check power. <ul style="list-style-type: none">• If power is not supplied to the case, facility may have faulty power distribution.• If power is supplied to the case but axial fans are not operational, case's power supply may be faulty.• Axial fan(s) may be faulty and need to be replaced. Contact Structural Concepts for replacement fan(s).

Serial Label Location & Information Listed / Technical Information & Service

- Serial labels are affixed at a wide range of places (on the header, at case rear, behind panels or toe-kicks, on electrical boxes, etc.).
- Serial labels contain electrical information as well as regulatory standards to which the case conforms.

- Sample serial label shown below.
- For additional technical information and service, see the *TECHNICAL SERVICE* page in this manual for instructions on contacting Structural Concepts' Technical Service Department.

Structural Concepts®
888 E. Porter Rd - Muskegon, MI 49441



3048256
Conforms to UL Std. 65
CERTIFIED TO CAN/CSA
STD C22.2 NO 120

120 VOLTS 60HZ
FOR PARTS OR SERVICE CALL
STRUCTURAL CONCEPTS
AT 1-800-433-9489

Reveal

Blend Addenda

Harmony Grocerant

Impulse

Oasis Fusion

MODEL NRS3648RXV-SAMPLE
SERIAL NO. 12345X30DZ098765

SAMPLE ONLY

SAMPLE ONLY

SINGLE PHASE 1.84 AMPS

SCAN FOR PRODUCT LITERATURE



Sample QR Code

SAMPLE ONLY

SAMPLE ONLY

SAMPLE ONLY

SAMPLE ONLY

--- Sample Serial Label For Ambient/Heated Cases ---

STRUCTURAL CONCEPTS TECHNICAL SERVICE CONTACT INFORMATION & LIMITED WARRANTY

TECH SERVICE/WARRANTY CONTACT INFO:
1 (800) 433-9490 / EXTENSION 1
DAYS/HOURS AVAILABLE:
MONDAY - FRIDAY (CLOSED HOLIDAYS)
8:00 a.m. TO 5:00 p.m. EST

**YOU MUST HAVE THE FOLLOWING INFO AVAILABLE
BEFORE CONTACTING STRUCTURAL CONCEPTS:**
SERIAL NO. / MODEL NO. / STORE NO. / STORE
ADDRESS / DETAILS (PHOTOS, LEAK LOCATIONS,
DAMAGE, STORE'S AMBIENT CONDITIONS, ETC.)

**To Access The Limited Warranty To Your
Case, Follow These Instructions:**

- > If Viewing This Document on Smart Phone, Tablet or Computer, Select/Click On The QR Code at Right.
- > If Viewing This Document In Print (Hard Copy), Scan The QR Code at Right With Your Smart Phone or Tablet.

