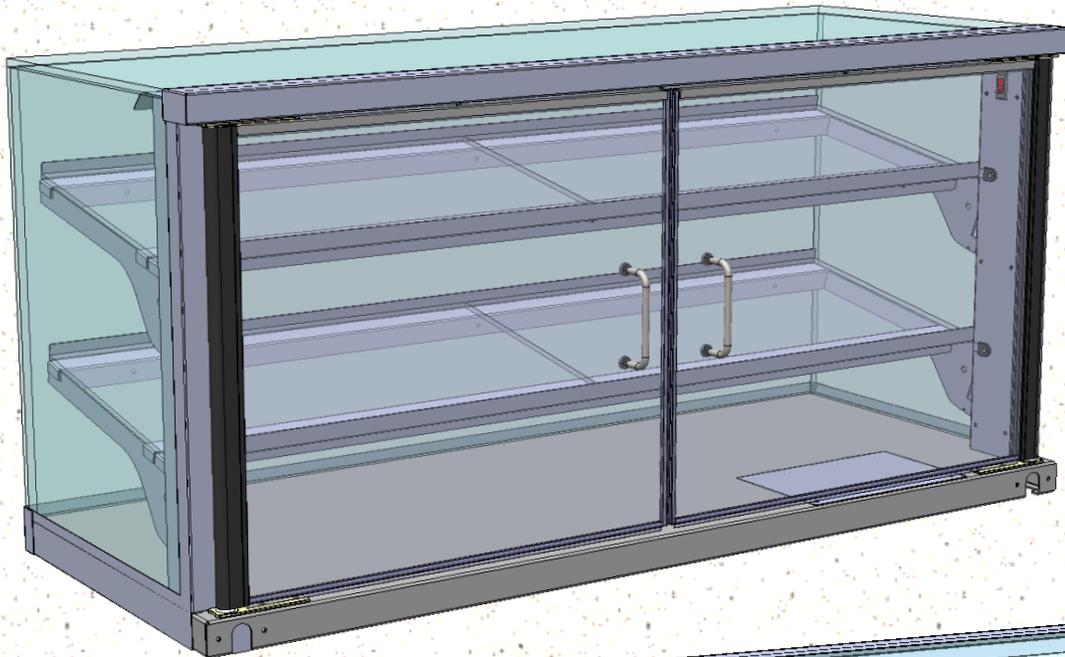


IMPULSE USER MANUAL

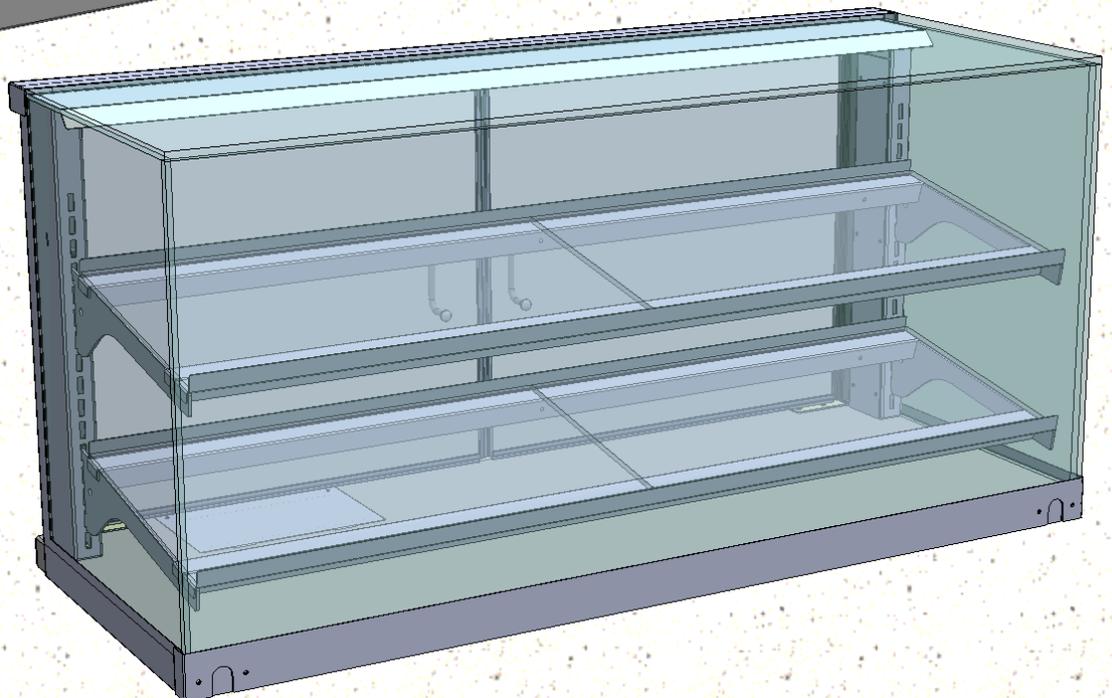
SCC P/N
21-05852

SELF-SERVICE / SERVICE COUNTERTOP AMBIENT DISPLAY UNITS

- > UV-BONDED GLASS > HINGED DOORS WITH HANDLES
- > PRODUCT IS ACCESSED VIA HINGED DOORS > LED DRIVER BOX IS AT CASE UNDERSIDE
- > APPLICABLE TO THE FOLLOWING MODELS: CGSV3622, CGSV4522, CGSV4530, CGSV6022, AND CGSV7222. MAY ALSO BE APPLICABLE TO MODELS NOT LISTED HEREIN.



←
Model CGSV4522
As Self-Service Unit



→
Model CGSV4522
As Service Unit

TABLE OF CONTENTS

OVERVIEW / TYPE / COMPLIANCE / WARNINGS / PRECAUTIONS / WIRING / PLUGS 3

**CASE AT SHIPMENT / BLOCK REMOVAL / SEPARATELY SHIPPED SHELVING COMPONENTS
AND THEIR PLACEMENT 4**

SELF-SERVICE MODE VS. SERVICE MODE VS. RANDOM SHELVING POSITIONING 5

**CASE STARTUP / LED LIGHT FIXTURE REPOSITIONING (SERVICE VS. SELF-SERVICE / LED
DRIVER) 6**

LED STYLE LIGHT FIXTURES 7

HINGED DOORS / LED DRIVER BOX ACCESS 8

SERIAL LABEL LOCATION & INFORMATION LISTED / TECH INFO & SERVICE 9

CLEANING SCHEDULE 10

TROUBLESHOOTING 11

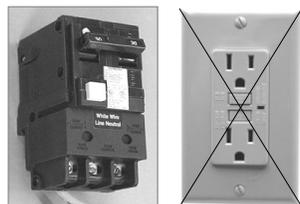
SCC TECHNICAL SERVICE CONTACT INFORMATION / WARRANTY INFORMATION 12

OVERVIEW

- These Structural Concepts cases should be installed and operated according to these instructions to ensure proper performance. Improper use will void warranty.
- This unit is designed to display of products in ambient store conditions with a max. temperature of 80 °F (27 °C) .

COMPLIANCE

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



PRECAUTIONS

- Following are important precautions to prevent damage to unit or merchandise. Read carefully!

WIRING DIAGRAM

- Each case has its own wiring diagram folded and in its own packet. It may be placed near ballast box, field wiring box, raceway cover, or other related location.

COMPLIANCE

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

CAUTION! LAMP REPLACEMENT GUIDELINES

If LED lamps are used, they must be size, shape and overall design. Any replacements must meet factory specifications.

WARNING

Risk of electric shock.
Disconnect ALL ELECTRICAL SOURCES before servicing.

CAUTION! GFCI BREAKER USE REQUIREMENT

If N.E.C. (National Electric Code) or your local code requires GFCI (Ground Fault Circuit Interrupter) protection, you **MUST** use a GFCI breaker in lieu of a GFCI receptacle.

CAUTION! POWER CORD AND PLUG MAINTENANCE

Risk of electric shock. If cord or plug becomes damaged, replace only with cord and plug of same type.

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.

CAUTION!

- To prevent sagging or breakage, do not exceed 5 LBS (2.3 KG) weight load per top glass section (between vertical supports).
- To prevent scratching or marring, do not place ANY items on glass.

CASE AT SHIPMENT / BLOCK REMOVAL / SEPARATELY SHIPPED SHELVES & THEIR PLACEMENT

Follow These Instructions For Proper Case Removal From Skid / Shipping Block Removal / Shelving Component Access & Placement, Etc.

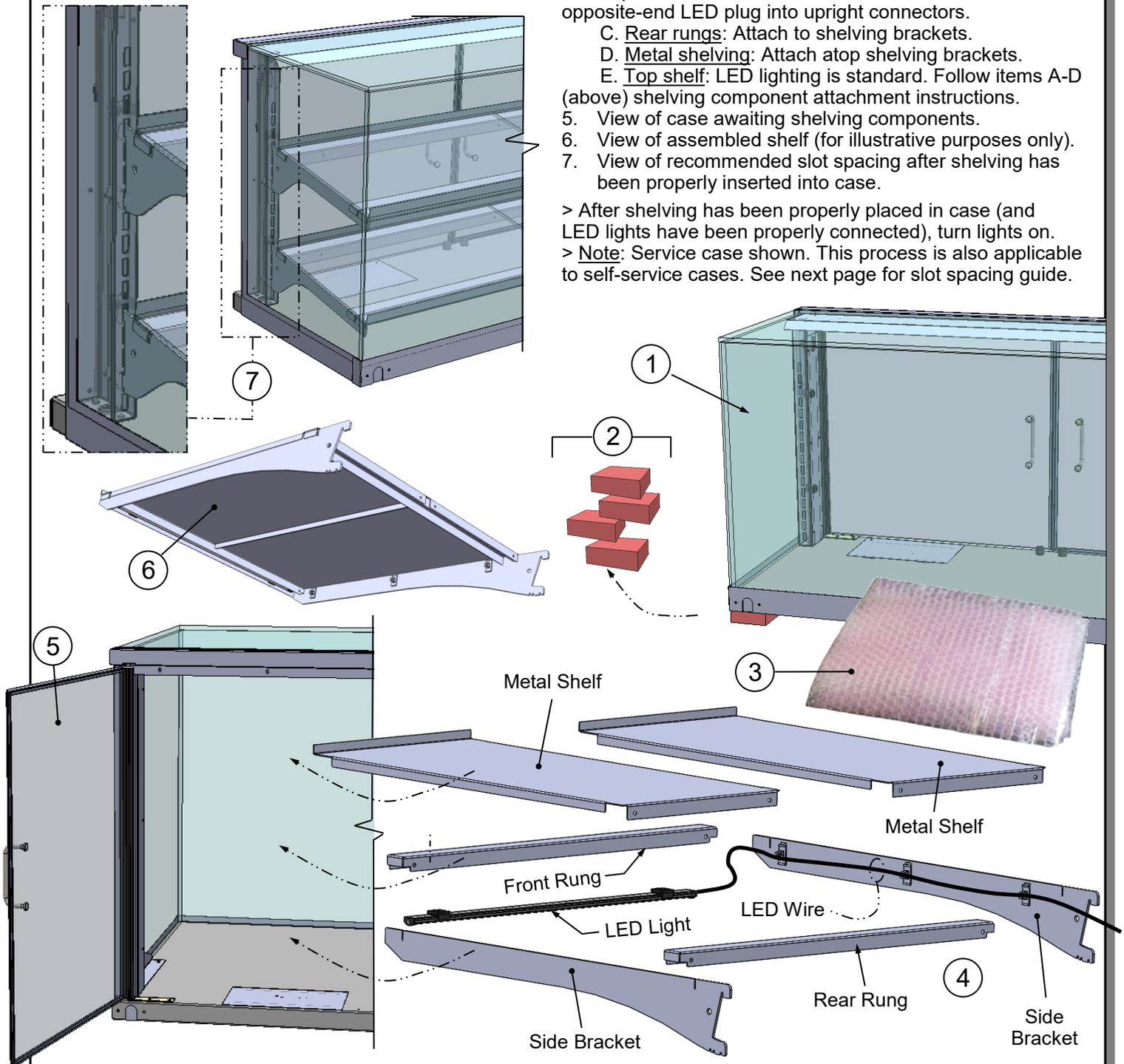
1. View of case at shipment (no shelves installed / skid not shown).
2. Remove shipping blocks from case underside (attached to skid with screws). Set case on counter.
3. Carefully remove separately shipped shelving from its protective bubble wrap.

4. Open case's hinged door. Follow steps A through E to place shelving components into case **ONE AT A TIME**.

Note: Insert lowest shelf components first, followed by top shelf components.

 - A. Side brackets: Insert into upright slots (following bracket/slot pattern shown in view #7).
 - B. Bottom shelf: LED lighting is optional. If LED light is in kit, attach under front rung. Attach front rung between shelving brackets. Insert LED plug into light. Route wires into wire clips that are attached to side bracket. Connect the opposite-end LED plug into upright connectors.
 - C. Rear rungs: Attach to shelving brackets.
 - D. Metal shelving: Attach atop shelving brackets.
 - E. Top shelf: LED lighting is standard. Follow items A-D (above) shelving component attachment instructions.
5. View of case awaiting shelving components.
6. View of assembled shelf (for illustrative purposes only).
7. View of recommended slot spacing after shelving has been properly inserted into case.

> After shelving has been properly placed in case (and LED lights have been properly connected), turn lights on.
 > **Note:** Service case shown. This process is also applicable to self-service cases. See next page for slot spacing guide.



SELF-SERVICE MODE VS. SERVICE MODE VS. RANDOM SHELVING POSITIONING

1. Self-Service Mode Shelving Position

- Shelves may be positioned in the “up” position to merchandise as a self-service case.
- Number of open slots above, between and below shelving remains the same as unit in service mode.
- See illustration #1 below.

2. Service Mode Shelving Position

- Shelves may be positioned in the “down”

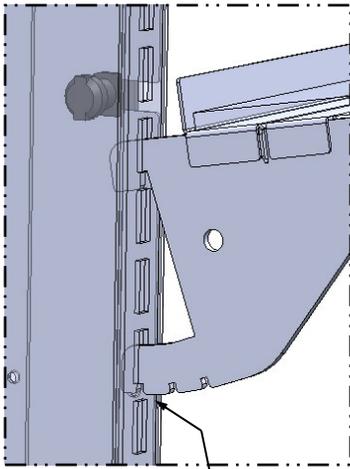
position to merchandise as a service case.

- Number of open slots above, between and below shelving remains the same as unit in self-service mode.
- See illustration #2 below.

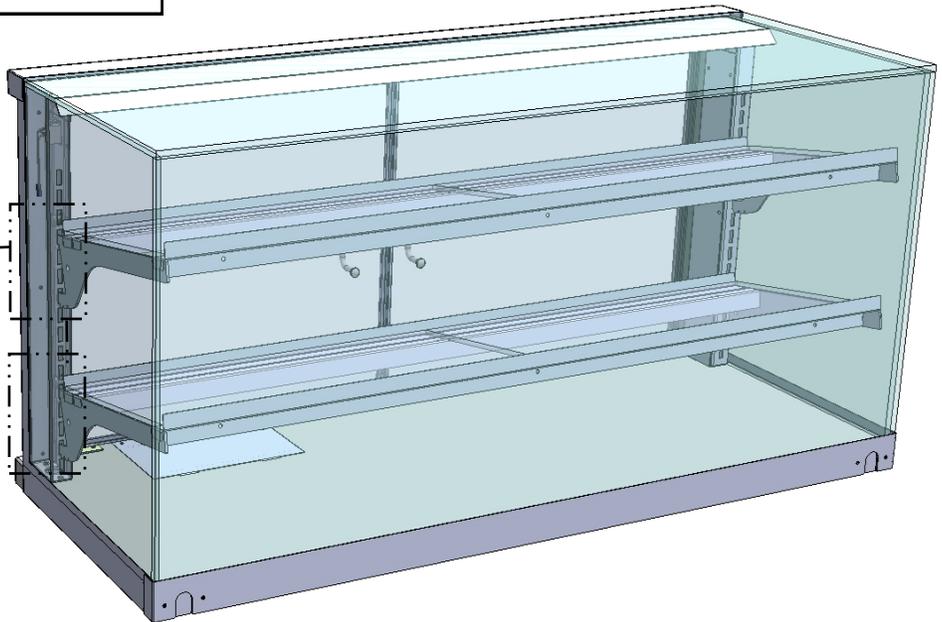
3. Random Mode Shelving Position

- Shelves may be adjusted to second notch at will.
- Shelves may also be raised or lowered to desired slot along uprights.

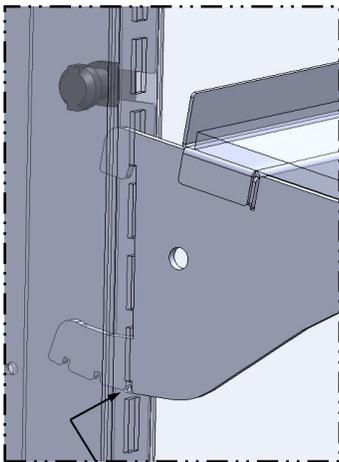
1. Merchandiser In Self-Service Mode



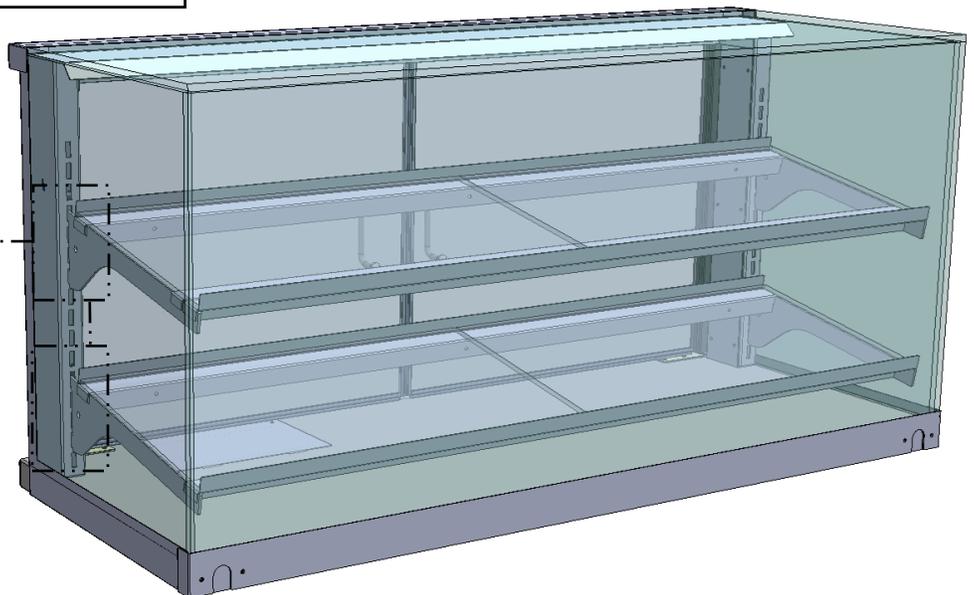
Shelving Brackets
Set At First Notch



2. Merchandiser In Service Mode



Shelving Brackets
Set At Third Notch



CASE STARTUP / LED LIGHT FIXTURE REPOSITIONING (SERVICE VS. SELF-SERVICE / LED DRIVER)

1. Case Startup

- Case will be energized when plugged into outlet.
- Lights will turn on when rocker switch (located at case upright) is turned on.

2. LED Light Fixtures

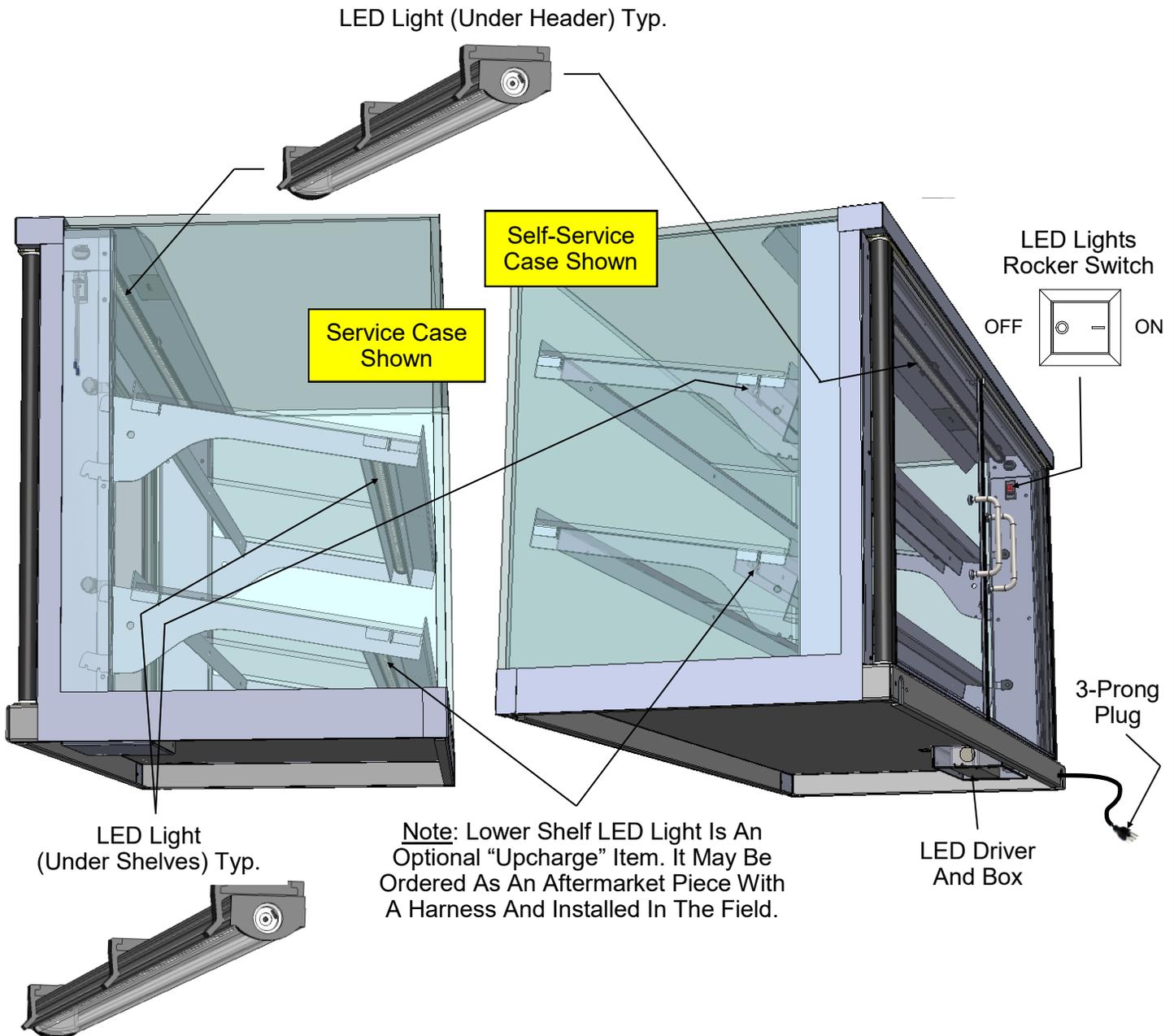
- LED lights are located at both header and shelving of case (as shown below).
- Check that ALL of the light plugs are properly connected to the LED light.
- Plug must be inserted ALL THE WAY into the LED light orifice (with no gap) to work properly.

3. LED Light Fixture Repositioning

- Service cases have LED lights opposite uprights.
- Self-Service cases have LED lights positioned near uprights.
- **Important! You must reposition LED lights if changing case from service to self service (or vice versa). See below for illustrations.**

4. LED Driver

- LED driver box is located at rear-underside of unit.
- See next page for access instructions.



LED STYLE LIGHT FIXTURES

LED Style Light Fixtures

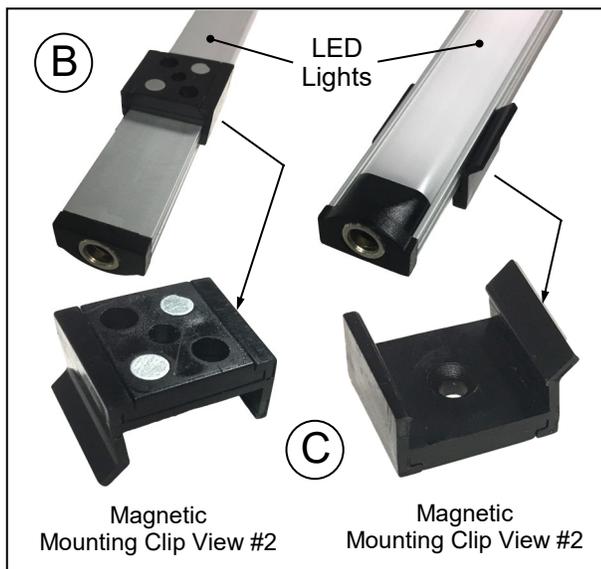
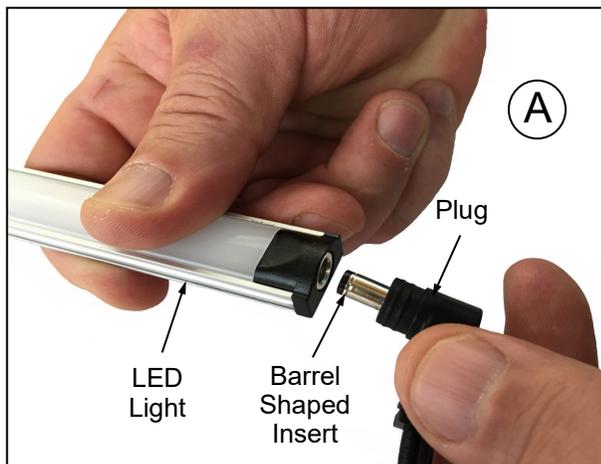
Removal of Faulty LED Lights:

- 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 onto 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.



HINGED DOORS / LED DRIVER BOX ACCESS

1. Hinged Doors

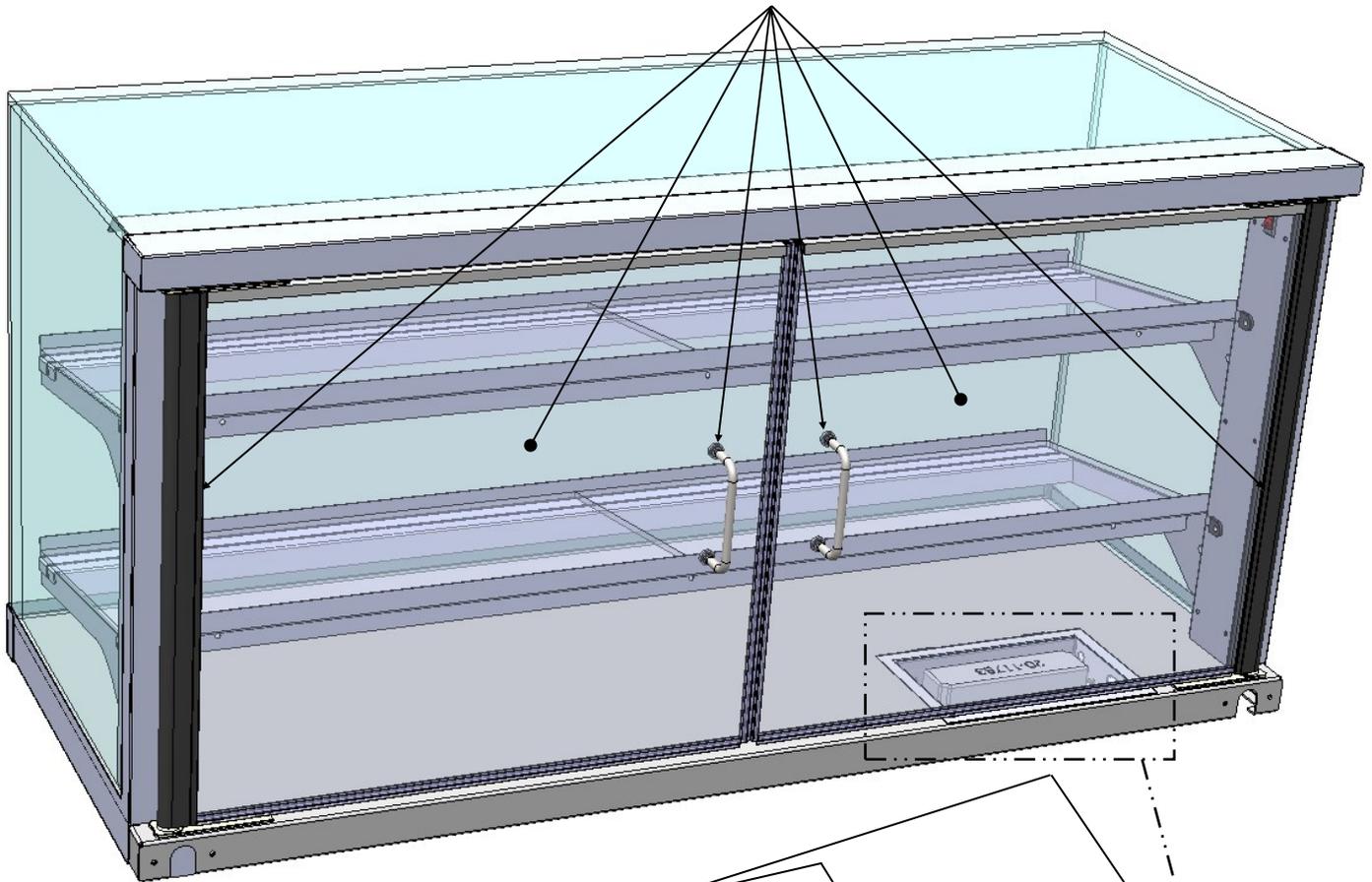
- Hinged doors are illustrated below.
- Simply grasp handles and open doors to access product.

2. LED Driver Access Box

- Caution! Only certified electricians should access LED driver box!

- Access LED driver by opening hinged door.
- Remove LED driver box cover (via removal of two screws).
- Remove cover tabs by lifting up and out of the slots (that are in deck pan).

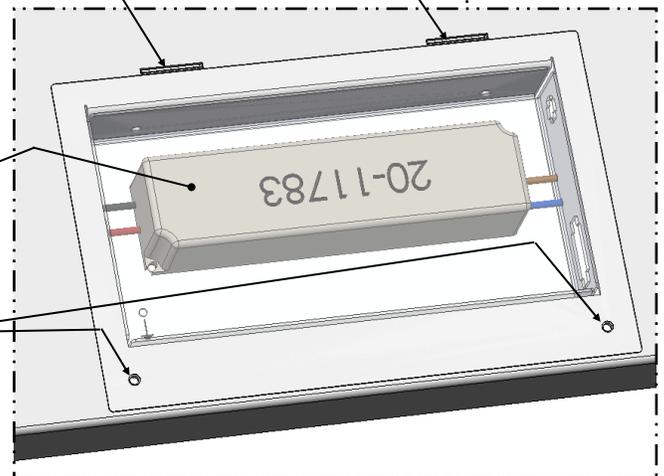
Hinged Doors, Hinges and Handles (Typ.)



Led Driver Tabs (That Slide In Deck Pan Slots)

Led Driver

LED Driver Box Cover Retaining Screws



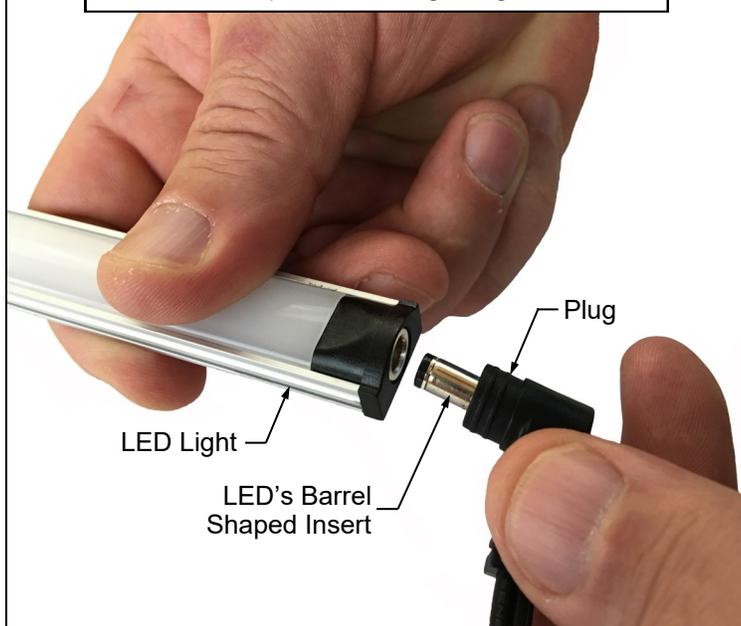
CLEANING SCHEDULE

Cleaning	Daily	Weekly	Task
Interior/Exterior	X		Clean all glass surfaces with a household or commercial glass cleaner and a soft cloth.
	X		Clean the deck pan and shelving with damp cloth. For stubborn stains or hardened residue, use hot, soapy water and soft-bristled brush. Caution! Do not use brushes or pads with metal bristles or coils to clean this unit as they will scratch and mar surfaces.
		X	<p>Stainless Steel Surfaces:</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.

TROUBLESHOOTING

System is not Operating	Confirm the utility power is on (authorized personnel only).
	Check the circuit breaker box for tripped circuits (authorized personnel only).
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 STARTUP / LED LIGHT REMOVAL & REPLACEMENT / LED DRIVER BOX section in manual for switch location (regardless of case design).
	If case is not hard-wired, check that power cord is properly connected to wall outlet.
	<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 illustrations below.
	<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.
	<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.

--- "Barrel-Shaped" LED Plug & Light Fixture ---



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 MODEL NRS3648RXV-SAMPLE
SERIAL NO. 12345X30DZ098765

Blend **Addenda** *SAMPLE ONLY*

Harmony **Grocerant** *SAMPLE ONLY*

Impulse *SAMPLE ONLY*

Oasis **Fusion** *SAMPLE ONLY*

SAMPLE ONLY *SAMPLE ONLY*

SAMPLE ONLY

SAMPLE ONLY

SINGLE PHASE 1.84 AMPS

SCAN FOR PRODUCT LITERATURE



Sample QR Code

--- 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.

