INSTALLATION OPERATION MAINTENANCE

INSTRUCTIONS FOR REFRIGERATORS AND FREEZERS

JADE REFRIGERATION INC.

MANUFACTURERS OF REFRIGERATED BASES

www.jaderange.com

We sincerely THANK YOU for choosing JADE REFRIGERATION. We are sure you will be satisfied with your selection.

To make certain that you are satisfied with your new equipment, please spend a few minutes and read these important instructions.



For future reference, record the following information and refer to it when contacting the factory or an authorized service agent.

_____ Model No.	_____ Serial No.	
_____ Date Purchased	_____ Purchased From	_____ Telephone No.
_____ Installation Date	_____ Installed By	

Jade Part No. 2451300000B
Jan 30, 2017

2650 Orbiter Street, Brea, CA 92821
Phone: (714) 961-2400 Toll: (800) 884-5233

INSTALLING THE CONDENSATE EVAPORATOR

If ordered, the condensate evaporator is in a carton inside the cabinet. Unless other provisions have been made for disposing of the condensate water, all models must have the condensate evaporator positioned under the cabinet after it has been elevated on legs or casters. First mount the condensate evaporator retaining bracket by attaching it to the cabinet base exterior with thumb screws into preset rivnuts. Then, keeping the electrical cord to the front, slide the evaporator into the condensate evaporator retaining brackets. Then insert the electrical plug into the receptacle, which is under the middle back of the exterior cabinet base. (See attached drawing entitled "Mounting instructions for condensate evaporator.)

INSTALLING THE SHELVES

The wire shelves can be spaced just as you want. Simply install four supports in the vertical standards at each desired level- then set the shelf on them. Straddle shelves are supplied to close the gap behind fluorescent light.

Note: Locating one level of shelves slightly above interior floor will assure better air circulation and will facilitate cleaning.

ELECTRICAL REQUIREMENTS

To prevent the possibility of the circuit being overloaded, we recommend that a separate circuit be provided for each cabinet. All cabinets must be grounded and must be operated only on the electrical supply indicated by the rating plate on the right interior wall. Electrical supply cords are furnished where and ampere loads permits; two types of male plugs are supplied — one with parallel blades for 15-ampere circuits, one with perpendicular blades for 20-ampere circuits. When a supply cord cannot be furnished, 6' leads for connection to permanent wiring are provided in the junction box labeled "power supply".

DEFROSTS

Defrosting of all JADE REFRIGERATION models is completely automatic. In freezers, the timer initiates is and the thermostat in the cooling coil terminates it after the coil is free of frost and ice. (IMPORTANT- Do not be alarmed if you find that the cooling coil fans in your Freezer are not operating. They are thermostatically controlled to prevent warm air circulation not only during and immediately after defrost but also whenever the temperature rises because of prolonged door opening. Operation of the fans will resume automatically when the temperature inside the coil housing drops to a safe level.

SETTING THE DEFROST TIMER ON FREEZERS

The defrost timer must be set to the correct time; instructions for this are inside the cover of the timer box. We recommend three defrosts during a 24-hour period, but the number of defrosts actually required may vary as a result of prevailing humidity, ambient temperature or usage.

LOADING THE CABINET

Products should not be put into the cabinet until the temperature has dropped to the normal range (approximately 40 ^{o}F in refrigerators, 0 ^{o}F in frozen storage cabinets). The way in which the cabinet is loaded will affect its efficiency, so allow sufficient space on all sides of the products to permit complete air circulation

IMPORTANT: Do not store products where they will impede the intake of air by the fans or the discharge of air at the back of the cooling coil.

CLEANING

Proper cleaning done on a regular schedule will lower your operating costs, prevent costly repairs, and extend the life of the equipment. Refrigeration equipment works continuously; give it the care it deserves.

The acrylic viewing window for temperature control should be cleaned with care. It is recommended to clean with wet cloth with water only to prevent scratches and chemical damage. Please do not hose water onto the front surface.

CLEANING THE CABINET

The exterior should be cleaned with a solution of warm water and mild soap, applied with a soft cloth. A good vinyl cleaner can be used on vinyl-clad surfaces. Never use a strong alkali solution, solvents, steel-wool, coarse fabrics or abrasives.

The interior should be cleaned with a solution of warm water and baking soda followed by a rinse of clear warm water, then dried with a clean, soft cloth. If juices or food are spilled, they should be wiped up immediately.

Shelves, shelf standards, pan sides and other interior accessories should be washed frequently with hot soapy water, and then rinsed with clear water. Shelf standards can be removed easily by loosening the thumb screws which secure them to the walls. Do not use a wire brush, steel-wool, or other abrasives which could damage the plating.

Door gaskets must be kept clean, particularly in the folds. A mild detergent applied with a soft cloth should be used to prevent any build-up of grease and dirt which could interfere with proper sealing.

CLEANING THE CONDENSOR

The fins of the condenser (the radiator-like portion of the condensing unit) must be cleaned periodically by vacuuming or blowing out all dirt, lint and foreign matter. Any accumulation which obstructs the flow of air through the condenser can seriously affect the performance of the refrigeration system and eventually cause a burn-out of the compressor.

LUBRICATING THE HINGES

The hinges are designed to close the doors automatically. If not operating freely, they should be lubricated with a light grease.

REPLACING LAMPS

Incandescent light bulbs and fluorescent lamps should be replaced only by ones which are of the same type as the factory-installed ones.

SERVICE

In case of operational failure, check the following:

- Has the power been turned off at the source?
- Has the power supply cord been pulled from the wall receptacle?
- Has the fuse for this circuit blown?

If the failure is not due to any of the above, call the dealer from whom you purchased this equipment, or call a qualified commercial refrigeration service firm.

IMPORTANT: UNDER NO CIRCUMSTANCES SHOULD UNTRAINED INDIVIDUALS ATTEMPT TO PERFORM ELECTRICAL OR REFRIGERATION SERVICE ON THIS EQUIPMENT----

Warranties do not cover service performed by unqualified persons, and they become void if alterations are made and / or damage results from such attempts.

FOR QUALIFIED REFRIGERATION SERVICEMEN ONLY

	REFRIGERANT	CUT-IN	CUT-OUT
REFRIGERATOR	R22MT	67# TO 69#	37# TO 39#
FREEZER	R22LT	16# TO 17#	10# TO 11#
FREEZER	404A	35# TO 38#	15# TO 17#

Dual – Temp **Note:** After Adjusting Pressure Control with these valves, the EPR-65 (Evaporator Pressure Regulator) must also be adjusted.	404A	75# TO 76#	15# TO 17#

These settings satisfy normal conditions. If the settings must be changed to meet specific conditions, a compound gage must be used.

REPLACEMENT PARTS

When requesting information or ordering replacement parts, please provide the cabinet model number and serial number which appear on the right interior wall.

CLAIM FOR LOSS OR DAMAGE IN TRANSIT

Since all merchandise is sold FOB our factory, our control and responsibility ended when the carrier signed the bill of lading at our dock. If loss or damage is discovered, notify the delivering carrier at once and request an inspection. We shall gladly provide all possible assistance, but the actual filing and follow-up of the claim mist be done by you, the consignee.

MOVING THE MERCHANDISE

Caution must be exercised when moving cabinets, as upright models are somewhat top-heavy. Also, dollies and lift-bars can damage a drain line underneath the cabinet, so the underside should be checked to determine the location of the drain line. No cabinet should ever be put on its front, back, or side. It is wise to leave the protective adhesive paper on stainless steel surfaces until after the cabinet has been moved.

INSTALLATION

IT IS STRONGLY RECOMMENDED THAT THE EQUIPMENT BE INSTALLED AND PUT INTO OPERATION BY A QUALIFIED COMMERCIAL REFRIGERATION MECHANIC.

Claims under the Extended protection Plan (if purchased) must be accompanied by proof that this was done.

LOCATION

Self-contained cabinets and remote condensing units must be located in a well-ventilated area. This is extremely important for operating efficiency and for warranty protection.

REMOVING THE CABINET DOORS

The door of the cabinet can be removed easily to obtain sufficient clearance through narrow doorways. Solid doors and non-heated glass doors should be partially opened then lifted until off the hinge pins. Heated glass doors cannot be removed until the plug in the cord to each door located in the plug, unplug the cord, then open the door and lift it.

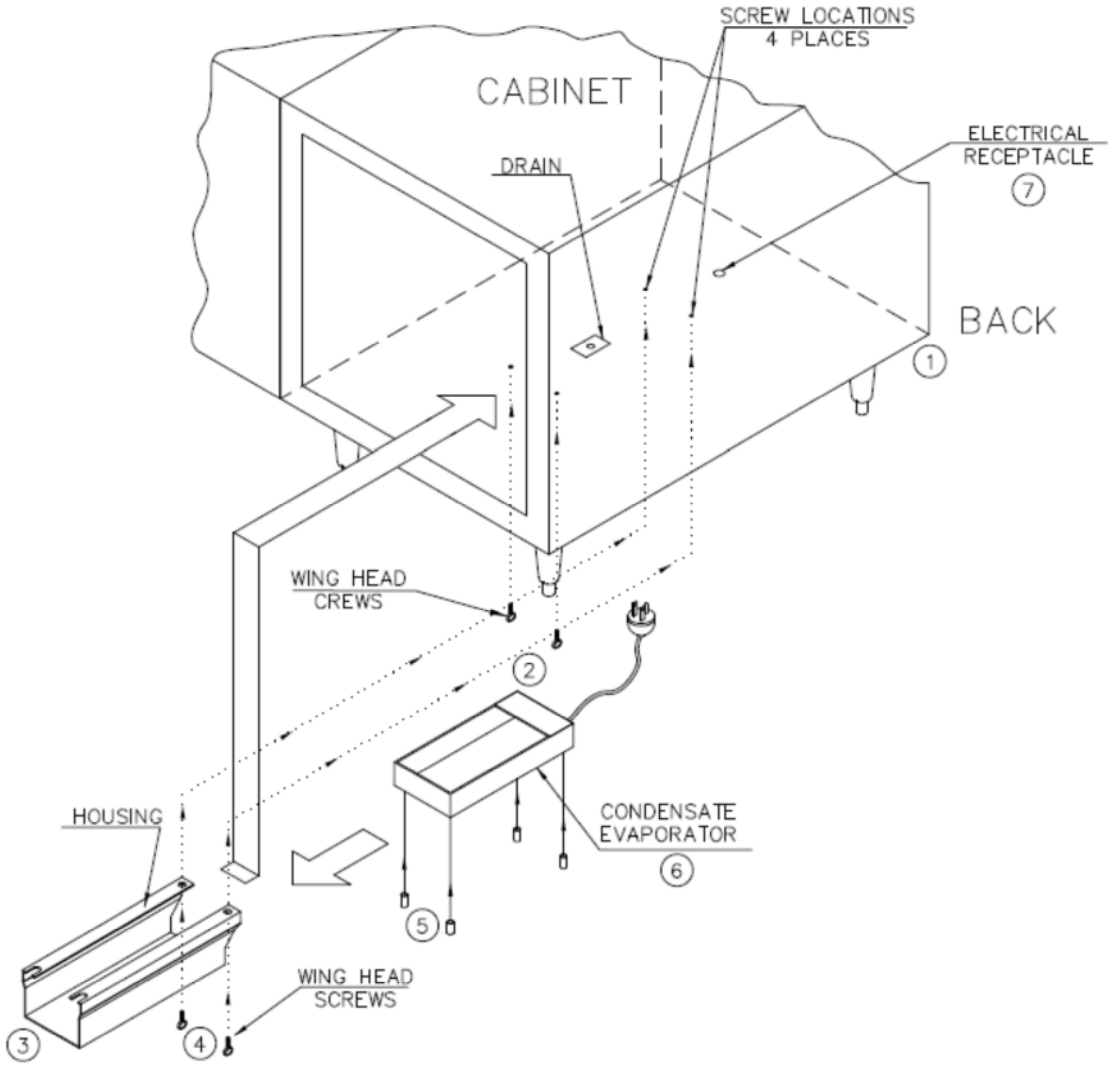
IMPORTANT: Mark the doors so that each one will be replaced on the opening from which it was removed.

INSTALLING THE LEGS AND LEVELING THE CABINET

If ordered, legs are in a carton inside the cabinet. Tip the cabinet, screw the legs into the mounting nuts provided on the underside of the cabinet, and then turn the "feet" of the legs to adjust them until the cabinet is level left-to-right and front-to-back. When the tops of the doors are in a straight horizontal line, the magnetic door gaskets will seal properly on all sides.

IMPORTANT: For proper drainage of the condensate from the forced air cooling coil and for proper operation of the self-closing doors, the cabinet must not be lower in front than in back.

REVISIONS				
REV.	DESCRIPTION	ECN	INITIALS	DATE



CAUTION

MUST BE COMPLETED
BEFORE INITIAL START-UP

1. INSTALL LEGS
2. INSTALL 2 SCREW (WING HEAD) TOWARDS THE FRONT OF THE CABINET (LEAVING THEM LOOSE)
3. INSERT HOUSING IN PLACE
4. INSTALL 2 MORE SCREWS TO THE BACK OF HOUSING; TIGHTEN ALL SCREWS.
5. PLACE RUBBER OR SPRING LEGS ON CONDENSATE EVAPORATOR
6. SLIDE CONDENSATE EVAPORATOR INTO HOUSING, PLACE TWO OF ITS LEGS IN HOLES PROVIDED ON HOUSING
7. PLUG THREE PRONG PLUG INTO RECEPTACLE

NOTES UNLESS OTHERWISE SPECIFIED:

1. DIMENSIONS ARE IN INCHES. DIMENSIONS IN (OVAL) ARE CRITICAL TO QUALITY. DIMENSIONS IN (PARENTHESIS) ARE FOR REFERENCE ONLY.
2. MATERIAL:$PRPSHEET:(MATERIAL).
3. PVC UP.<<<GRAIN>>>
4. REMOVE ALL BURRS AND SHARP EDGES.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF

JADE

JADE RANGE, LLC
2650 ORBITER ST BREA, CA 92821

TOLERANCES:
XXX ± .03 .XX ± .06
ANGLES ± 1°

MATERIAL SIZE
in²

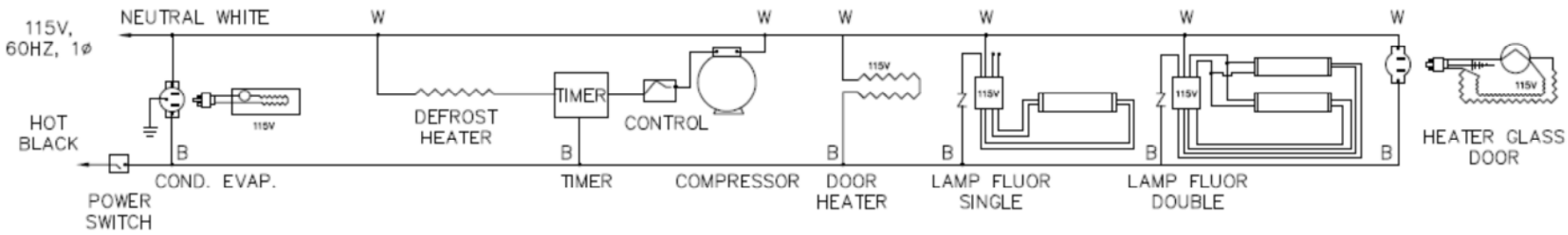
DESC. MOUNTING INSTRUCTION

DWG No. 17317A

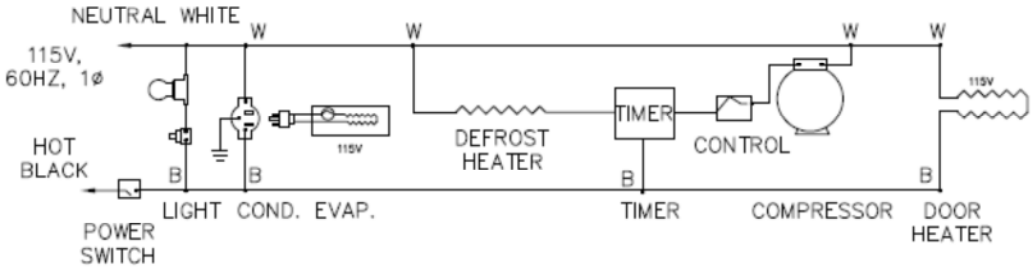
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REVISIONS				
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REMOTE & SELF CONTAINED CABINET-GLASS DOOR BLOCK WIRE DIAGRAM 115V/60Hz/1ø



REMOTE & SELF CONTAINED CABINET-SOLID DOOR BLOCK WIRE DIAGRAM 115V/60Hz/1ø

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TOLERANCES: XXX ± .02 XX ± .05 ANGLES ± 1°

DEBURR

MATERIAL SIZE

in²

DESC. COUNTER HIGH/LOW HIGH FREEZER

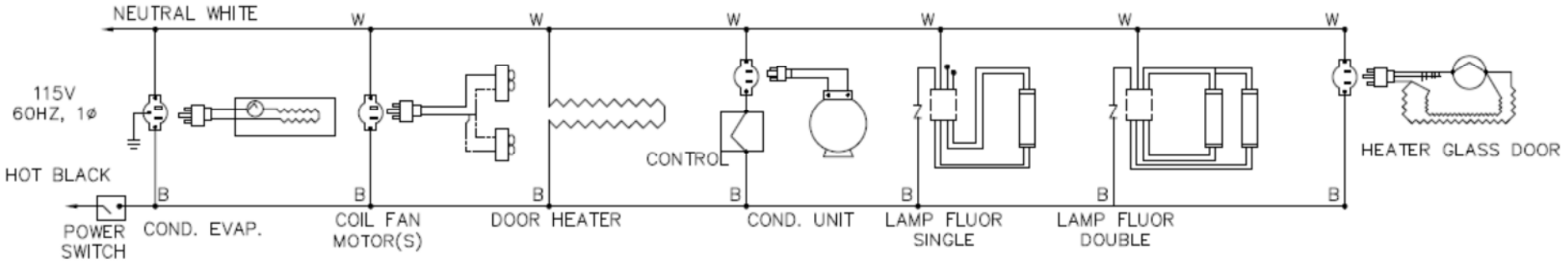
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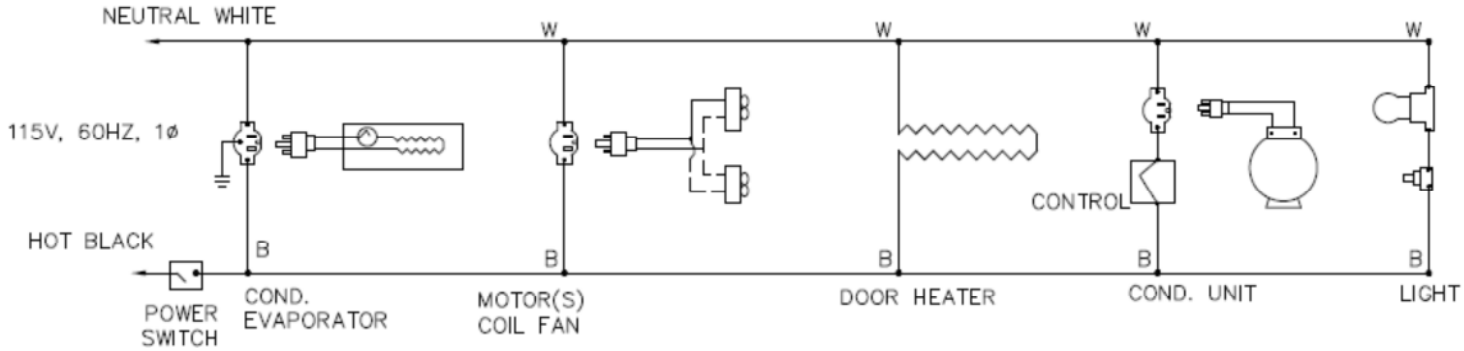
SHEET 8 OF 14

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REVISIONS				
REV.	DESCRIPTION	ECN	INITIALS	DATE



REMOTE & SELF CONTAINED CABINET-GLASS DOOR BLOCK WIRE DIAGRAM



REMOTE & SELF CONTAINED CABINET-SOLID DOOR BLOCK WIRE DIAGRAM

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1. DIMENSIONS ARE IN INCHES. DIMENSIONS IN (DVAL) ARE CRITICAL TO QUALITY. DIMENSIONS IN (PARENTHESIS) ARE FOR REFERENCE ONLY.
2. MATERIAL $PRPSHEET (MATERIAL).
3. PVC UP.(((GRAIN)))
4. REMOVE ALL BURRS AND SHARP EDGES.

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TOLERANCES
.XX ± .03 .XX ± .01
ANGLES ± 1°

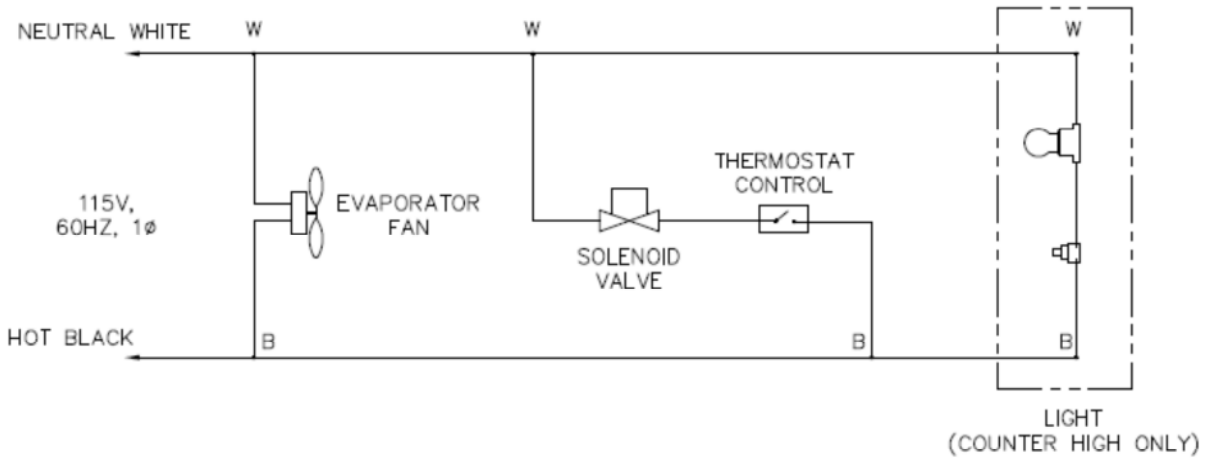
MATERIAL SIZE
in²

DESC. COUNTER HIGH/LOW HIGH REFRIGERATORS

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REMOTE CABINET ONLY WIRE DIAGRAM

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TOLERANCED
.XXX ± .03 .XX ± .06
ANGLES ± 1°

MATERIAL SIZE
in²

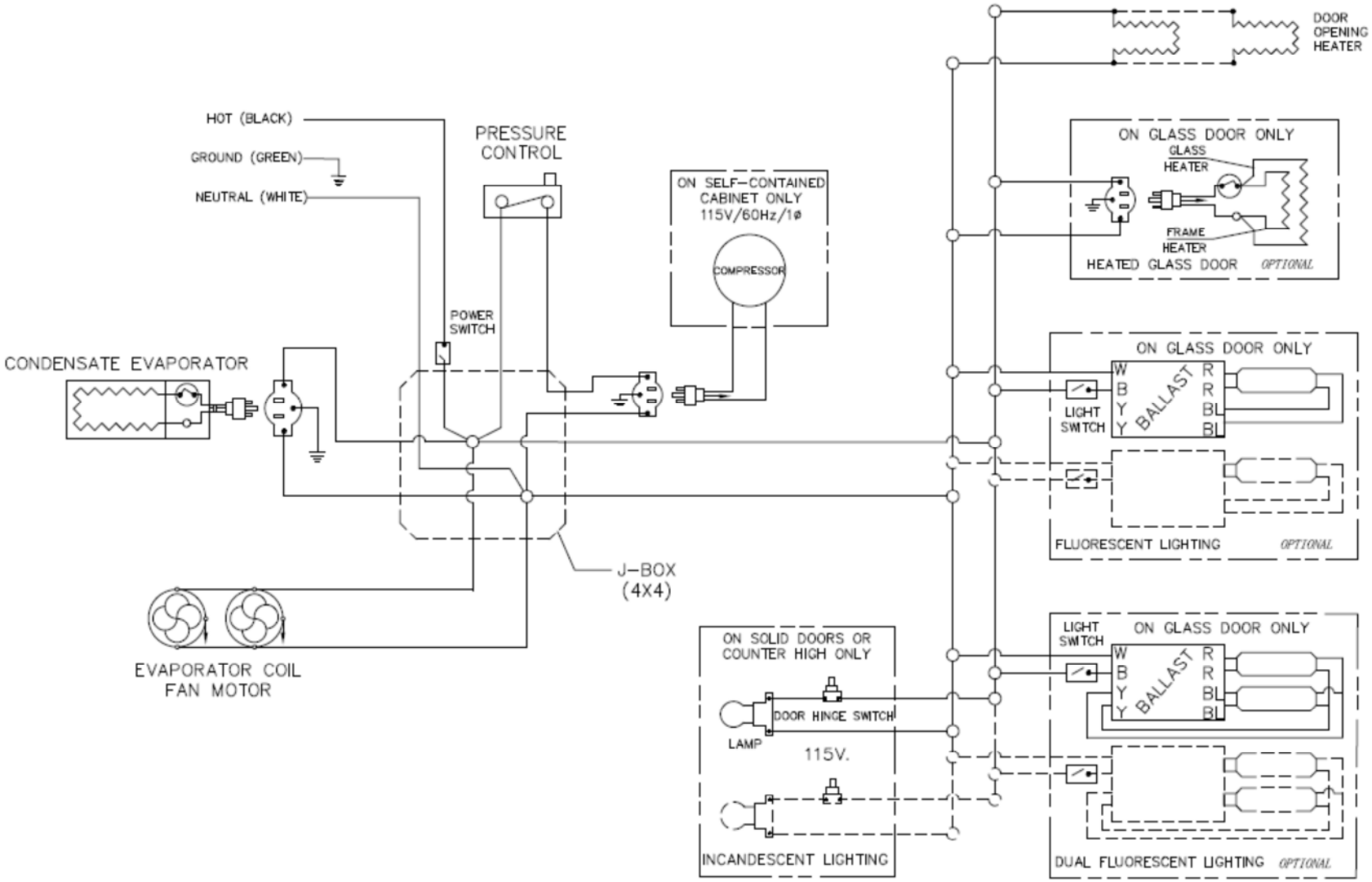
DESC. COUNTER HIGH/LOW HIGH REFRIGERATORS

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REVISIONS				
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TOLERANCES
XXX ± .03 XX ± .06
ANGLES ± 1°

DEBURR ALL

MATERIAL SIZE
in²

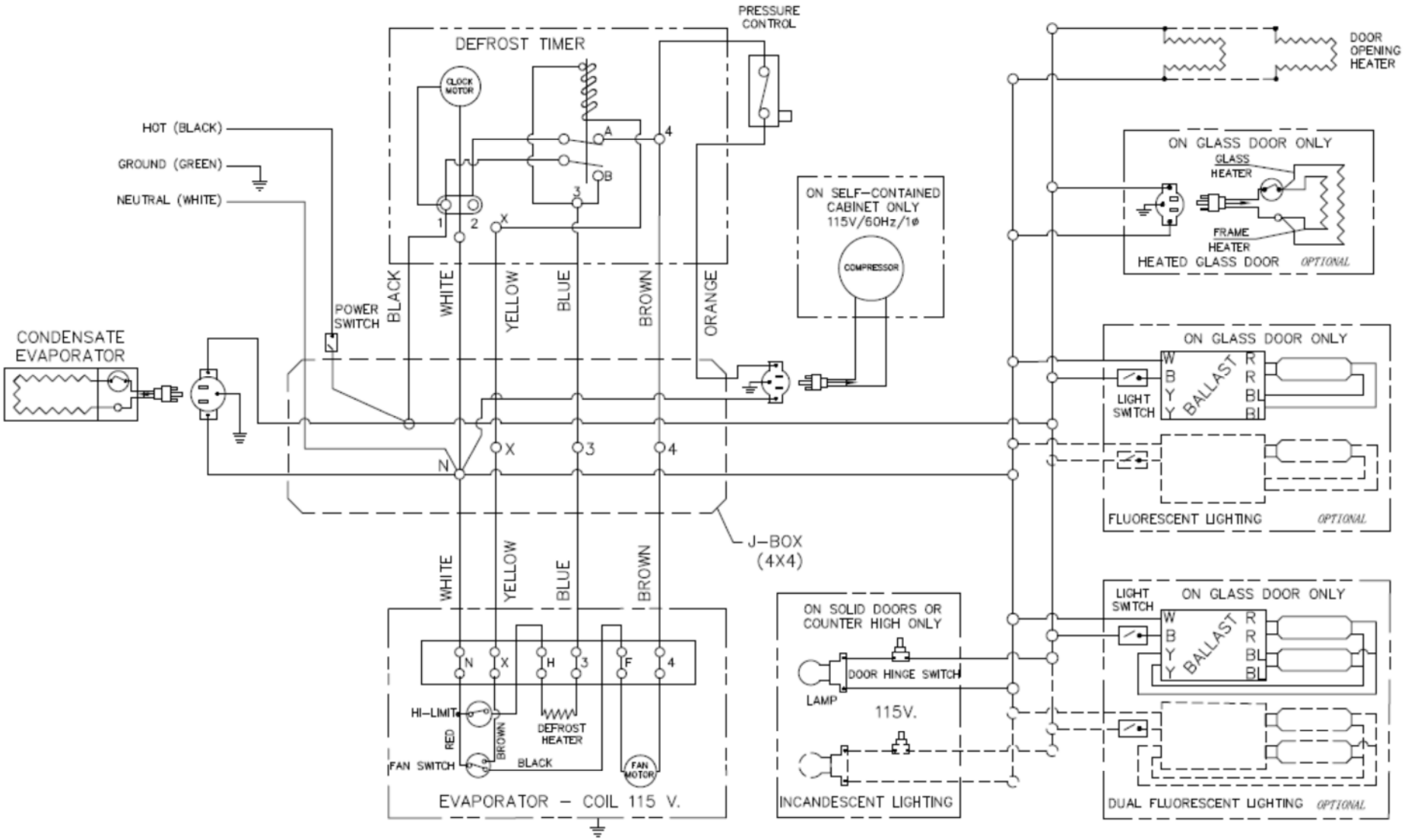
DESC. COUNTER HIGH/LOW HIGH REFRIGERATORS

DWG No. 17317A

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REVISIONS				
REV.	DESCRIPTION	ECN	INITIALS	DATE



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.XXX ± .03 .XX ± .06
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MATERIAL SIZE
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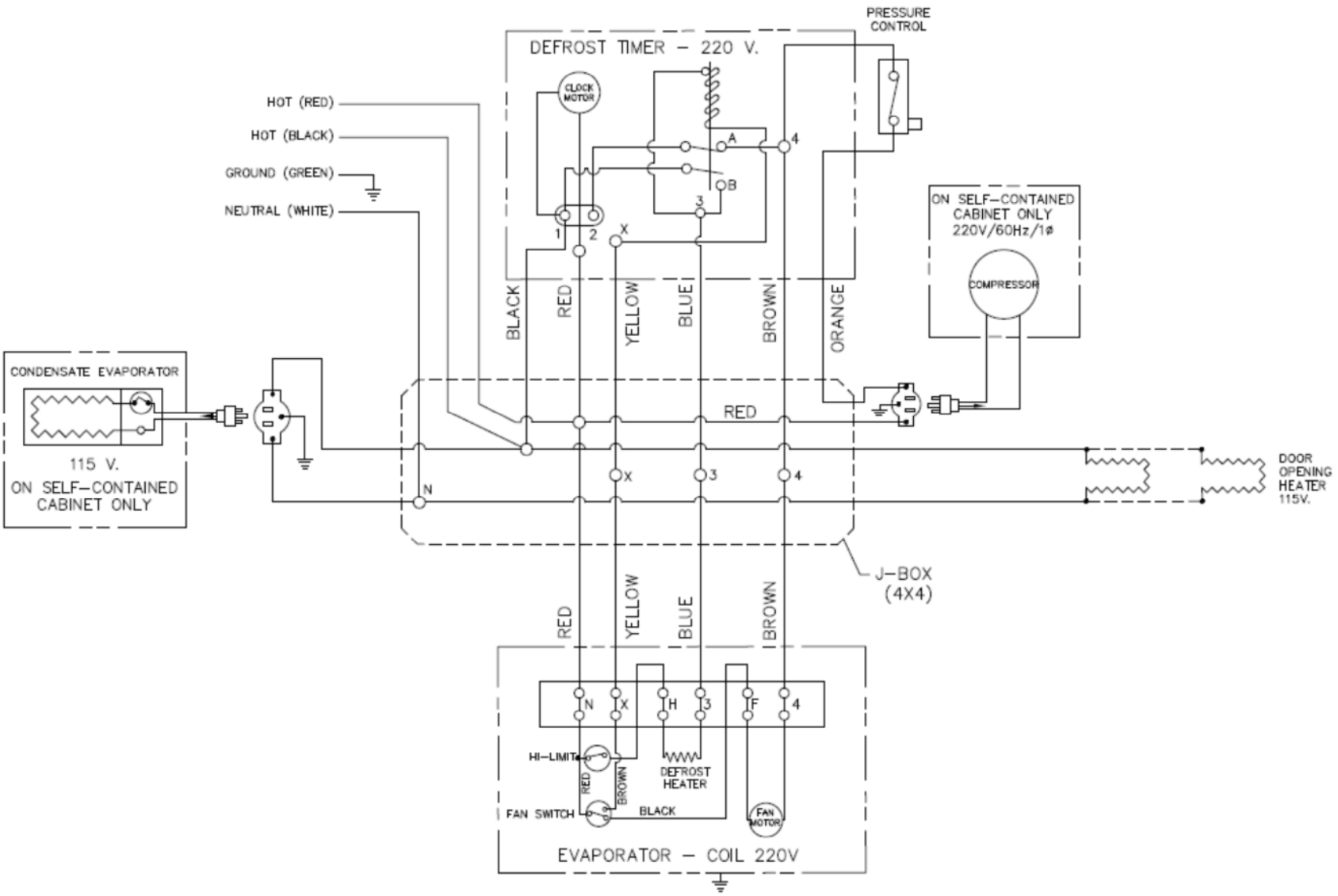
DESC: COUNTER HIGH/LOW HIGH REFRIGERATORS

DWG No. 17317A

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REVISIONS				
REV.	DESCRIPTION	ECN	INITIALS	DATE



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4. REMOVE ALL BURRS AND SHARP EDGES.

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TOLERANCES: .XXX ± .03 .XX ± .06 ANGLES ± 1°

MATERIAL SIZE
in²

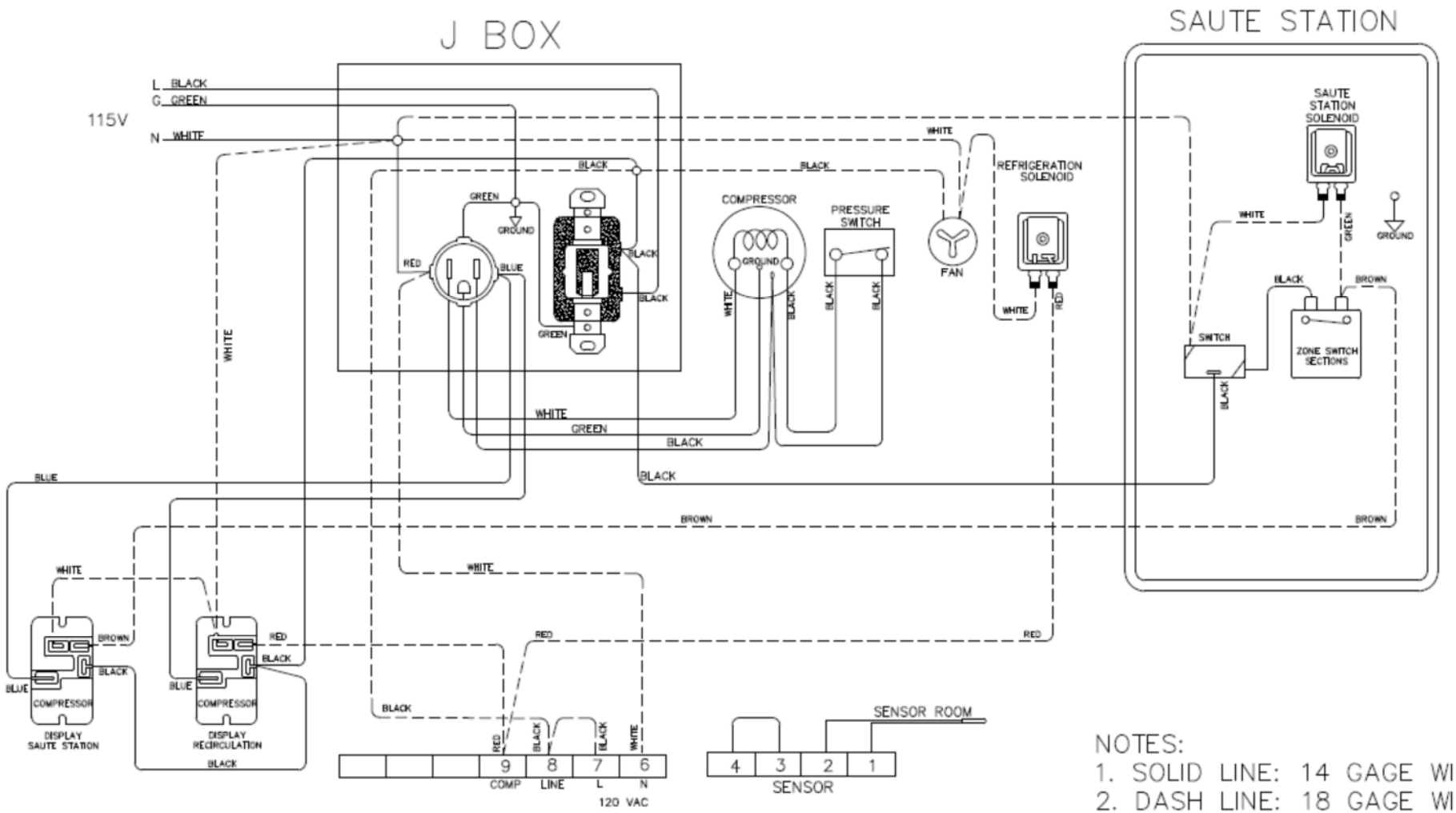
DESC. LOW HIGH FREEZERS (3 WIRES)

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REVISIONS				
REV.	DESCRIPTION	ECN	INITIALS	DATE



NOTES:
1. SOLID LINE: 14 GAGE WIRE
2. DASH LINE: 18 GAGE WIRE

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TOLERANCES
.XXX ± .03 .XX ± .06
ANGLES ± 1°

DELIVERY

MATERIAL SIZE
in²

DESC: WIRING DIAGRAM, SAUTE STATION

DWG No. 17317A

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5 4 3 2 1