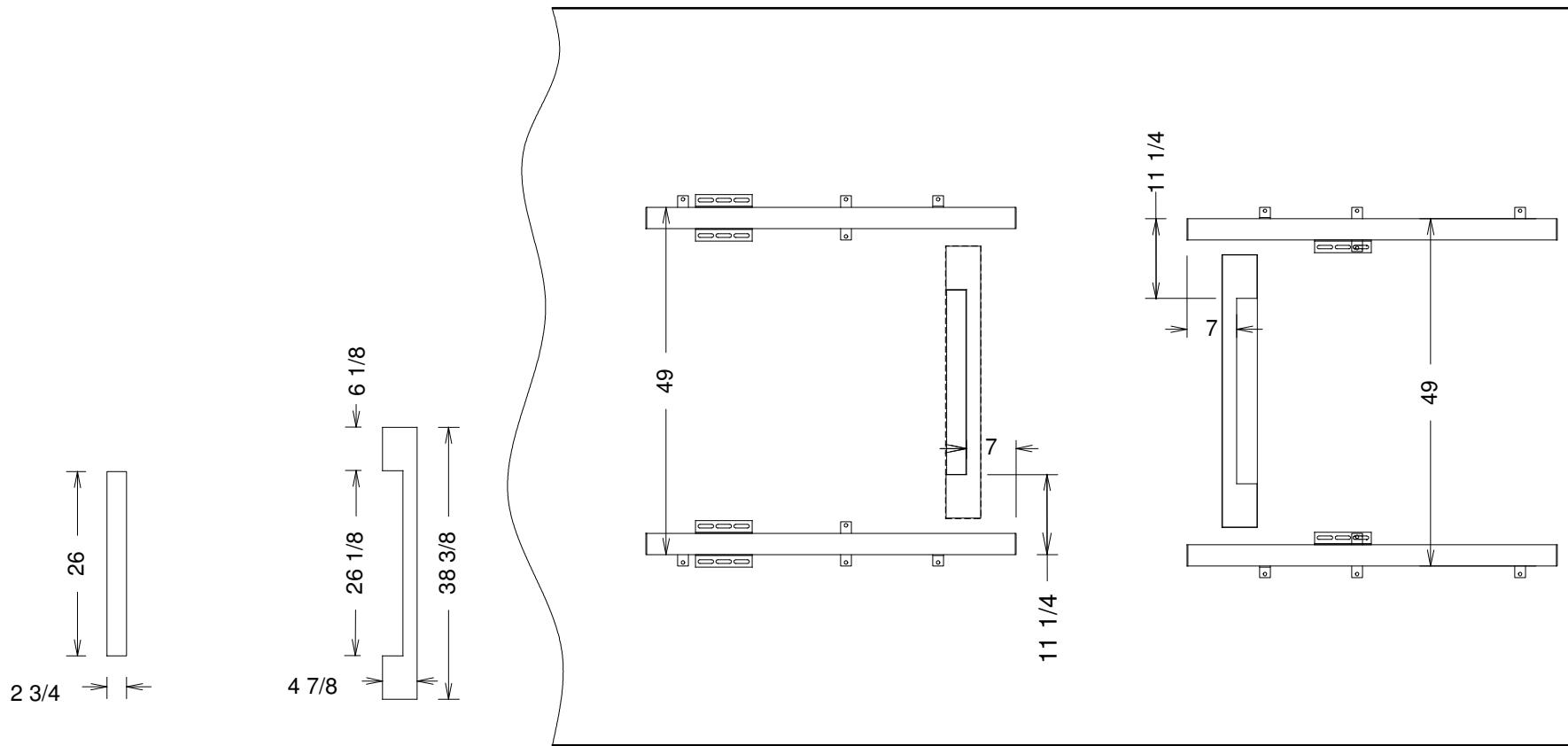


Instructions for Installing Secondary Ice Maker

1. Remove cap and plug from ice chute hole on top of house
2. Remove covers from evaporator on ice maker
3. Install ice chute on ice maker
 - a. Remove three nuts (black) from chute
 - b. Lift ice maker
 - c. Install chute
4. Install ice maker on house
 - a. Lift ice maker to top of house
 - b. Align ice chute with ice chute hole
 - c. Carefully lower ice maker to top of house (paying close attention not to damage ice chute)
5. Attach ice maker to house with supplied clips
6. Install secondary ice bin switch
 - a. Connect red white and red black wires of secondary ice bin switch cable to purple and yellow wires in leveler motor safety switch box
 - b. Route cable to secondary ice maker flap (on cross bar at front of leveler)
 - c. Mount proximity switch in switch mounting hole
 - d. Secure cable to cross bar (make sure it will not get caught in leveler)
7. Seal chute hole
 - a. Use non-expanding foam to seal gap between ice chute and ice chute hole
 - b. Use 100% silicone caulk to seal foam once foam dries
8. Install conduit and power lines from main panel box to secondary (front) ice maker disconnect box
 - NOTE: It is recommended that a qualified electrician be used for this step
9. Connect secondary (front) ice maker control wires
 - a. Locate yellow and purple 14 AWG wires in main panel box (on right side, tie wrapped together, with black, blue, red and brown wires)
 - b. Connect two 14 AWG wires in conduit (installed in previous step) to yellow and purple wires
 - NOTE: These are control wires for ice maker shut off switch and IMS relay that are already installed
10. Install leveler control relay
 - a. Turn off main power
 - b. Mount leveler control relay in main electrical panel
 - c. Connect red and brown wires from secondary ice maker to terminal 3 and terminal 4 on leveler control relay
 - d. In the primary (back) ice maker disconnect box, separate the two brown wires and two red wires
 - e. Connect red and brown wires from primary ice maker to terminal 1 and terminal 2 on leveler control relay
 - f. Connect red and brown wires from inside house to terminal 5 and terminal 6 on leveler control relay
 - g. Verify jumpers are installed from terminal 3 to terminal 7 on leveler control relay, and from terminal 4 to terminal 8 on leveler control relay

- h. Turn on main power
- 11. Open all valves on ice maker
- 12. Turn on power to ice maker
 - a. Place ICE/OFF/PUMP switch in the OFF position
 - b. Turn on ice maker breaker in main panel box
 - c. Turn on ice maker disconnect on the ice maker
 - NOTE: IT IS VERY IMPORTANT TO HAVE ICE MAKER POWER TURNED ON FOR AT LEAST 2 HOURS BEFORE STARTING ICE MAKER (FOR THE CRANKCASE HEATERS)
- 13. Connect drain line
 - a. Connect overflow into drain line after cutoff valve (to prevent over flow from draining onto roof)
 - b. Pipe drain line off of roof
- 14. Connect water line
 - a. Flush water line of any debris
 - b. Connect water line to ice maker
 - c. Turn on water
- 15. Check water in ice maker
 - a. Check and set water level in water trough
 - b. Place ICE/OFF/PUMP switch in the PUMP position
 - c. Make sure water is flowing over all tubes
- 16. Start ice maker
 - NOTE: IT IS VERY IMPORTANT TO HAVE ICE MAKER POWER TURNED ON FOR AT LEAST 2 HOURS BEFORE STARTING ICE MAKER (FOR THE CRANKCASE HEATERS)
 - a. Place ICE/OFF/PUMP switch in the ICE position



Reducer and Plug for Cutout
when using 1 Ice Maker
or Small Ice Maker
Cut from 4" Insulated Panel
and trimmed to above dimensions

DRAWN BY
JLT Engineering Services, Inc.
Moultrie, GA 31768
229-985-5079 Cell 229-402-2356

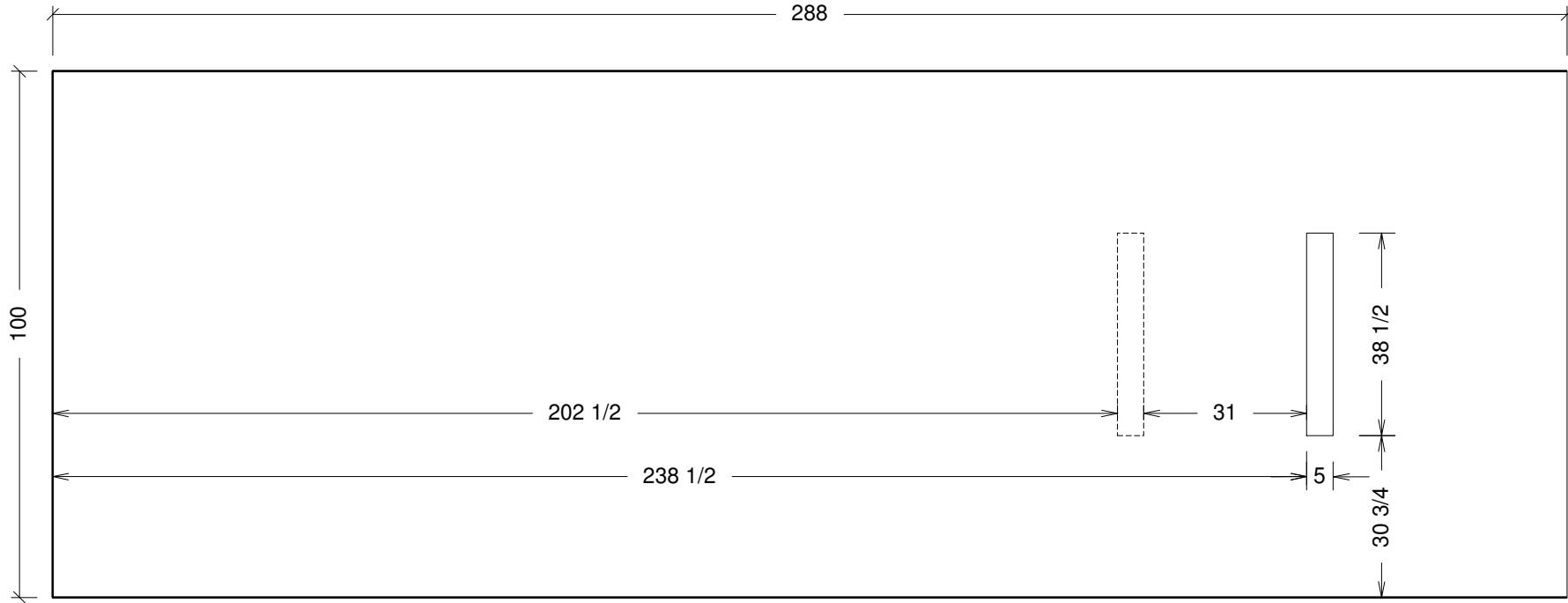
PLAN VIEW
Rear Half of House

Ice Maker on layer 3

ICE HOUSE AMERICA
MOULTRIE, GA

Mounting Rail Placement
Small Ice Maker

DATE:	SCALE:	DRAWING NUMBER:
1/02/07	1" = 24" (2')	BA 29



PLAN VIEW

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229-985-5079 Cell 229-402-2356

ICE HOUSE AMERICA
MOULTRIE, GA

ICE MAKER CUTOUTS

DATE:	SCALE:	DRAWING NUMBER:
1/02/07	1/32" = 1"	BA 27

BILL OF MATERIALS

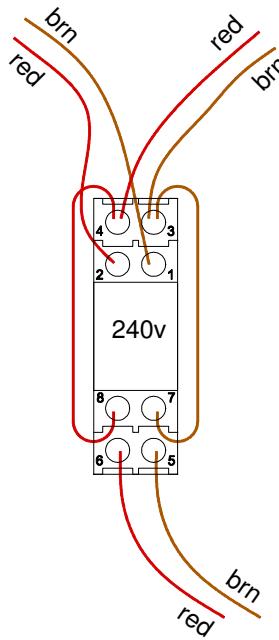
1 - 240 vac Relay w/ Base
1 - Wire as needed

FABRICATION INSTRUCTIONS:

1. Relay is mounted in main electrical panel, when second ice maker is installed.
2. Connect wires as indicated below.

#14 red and brown wire 16" long.

Label "To #1 Crusher Motor"



#14 red and brown wire 96" long.

(Coil into 4" diameter coil and secure with wire tie.)

Label "To #2 Crusher Motor"

#14 red and brown wire 12" long.

Label "Connects to Leveler Relay in house"

ICE HOUSE AMERICA
MOULTRIE, GA

LEVELER CONTROL RELAY
Used w/ 2nd Ice Maker

DATE:	SCALE:	DRAWING NUMBER:
8/13/08	1/2" = 1"	IE 45a

Installing IMS Relay

ITEMS NEEDED

- IMS Relay (110V coil)
- IMS Relay Socket
- DIN Rail – approx. 2”
- 20 AWG Wire – approx. 3 1/2’

OVERVIEW

The IMS relay is used to cut off the ice maker(s) if the leveler motor overload trips. The relay has two sets of contacts, one set used for cutting off each ice maker. While all ice vending machines now come with an IMS relay installed, there were some machines built without one. This procedure can be used to install an IMS relay in the event that the second ice maker is being installed on one of these machines.

Please note that this procedure only needs to be followed if a second ice maker is to be installed and the machine does not have an IMS relay already.

PROCEDURE

1. Use proper precautions when changing wiring in control panel (i.e. turn off individual breakers or main power as necessary, etc.).
2. Install IMS relay socket on right side of Y17 relay, moving existing relays as necessary. Use supplied DIN rail extension if necessary.
3. Move wire from terminal 97 on leveler motor contactor to terminal 4 on IMS relay socket.
4. Move wire from terminal 98 on leveler motor contactor to terminal 6 on IMS relay socket.
5. Run new 20 AWG wire from 20 A breaker to terminal 97 on leveler contactor.
6. Run new 20 AWG wire from terminal 98 on leveler contactor to terminal 8 on the IMS relay.
7. Run new 20 AWG wire (jumper) from terminal 7 on Y17 relay to terminal 7 on IMS relay.
8. Connect yellow wire from secondary ice maker to terminal 3 on IMS relay.
9. Connect purple wire from secondary ice maker to terminal 5 on IMS relay.
10. Insert IMS relay into relay socket.