2001 COMPANY SOLVES WHOLE FOODS MARKET MANSARD CONDENSATION PROBLEM

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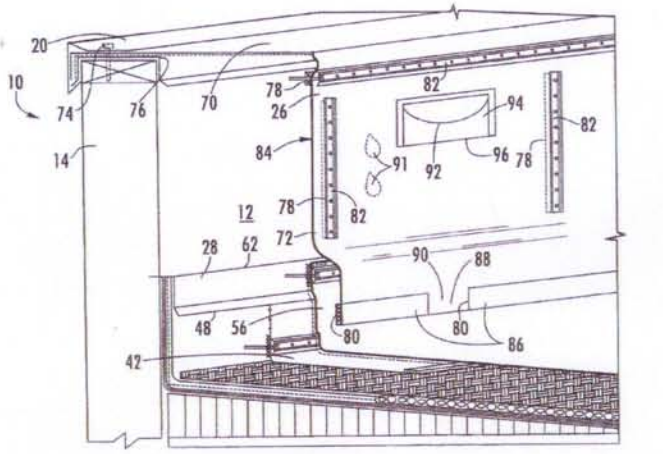
United States Patent

ABSTRACT

Disclosed is a system for waterproofing interior surfaces of parapet walls disposed on a roof, wherein the parapet walls include an interior surface counter flashing and a surface cap. The system includes at least one waterproofing membrane configured to allow moisture to escape from a space between the at least one waterproofing membrane and the interior surfaces of the parapet walls, wherein the at least one waterproofing membrane is disposed to extend at least a portion of a distance along the interior surfaces from the surface cap to the roof from which the parapet walls extend. The system also includes a flap valve defined by the al least one waterproofing membrane, the flap valve being positioned between the surface cap and the roof.



This <u>patented wind vented wall flashing technique</u> weeps condensation out of a vertical wall like traditional brick wall waterproofing and ventilates mansard peak hot air and water vapor build-up in wind uplift vortex intensity areas on vertical walls.

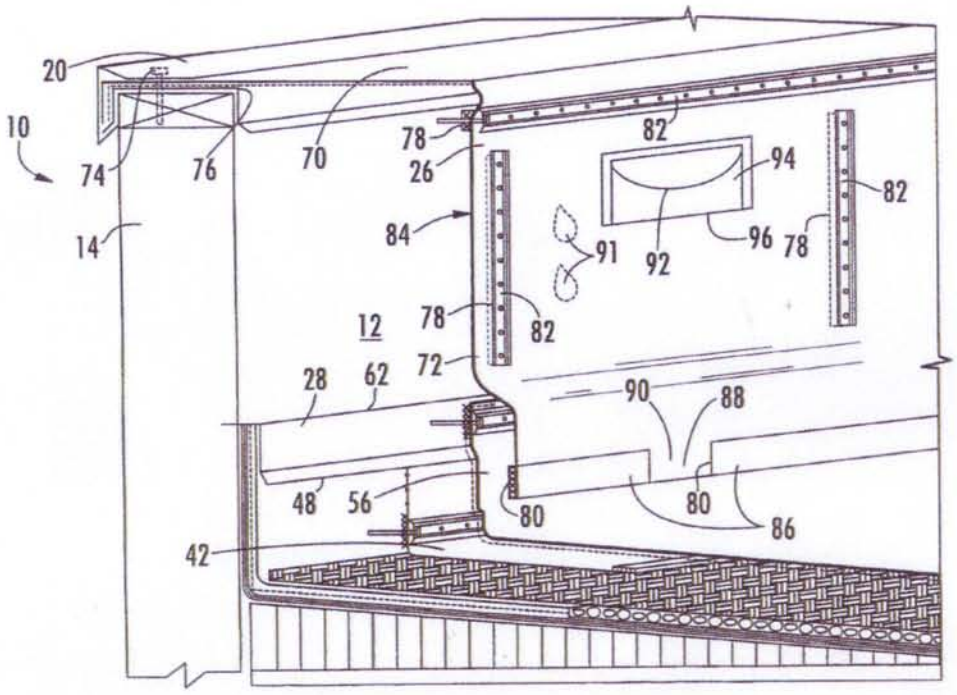
2001 CO. PATENTED WIND VENTED WALL FLASHING SYSTEM

On parapet and interior facing mansard flashing walls that need to release condensation and breath out water vapor,
the patented 2001 Company **Wind Vented Vertical Wall Flashing System** controls flashing membrane backside condensation and moisture build-up.

Water vapor build-up in the decorative mansard cavity wall will condensate on the back side of the wall flashing and constantly wet the wood and rust the nail. The sun-facing mansard front heats up during the day causing hot humid air to move to the cold north face interior wall and condensate causing erratic dripping on the store's inside drop ceiling but never when it rained. The wall flashings were constant maintenance and the plywood wall would buckle and rot. See above pictures.

Explanation of the Kelly Wind Vented Wall Flashing

The roof waterproofing membrane is loose laid on the vertical walls and is vertically terminated with a termination bar through bytul gum strips four foot (4') on center fastening the membrane and plywood wall into the mansard studs. Air can flow freely top and bottom and side to side in the flashing wall. The top of the wall has a cover smile cut ventilator to allow heat and water vapor to exit the wall.



The bottom of the upper wall flashing has weep openings below the through-wall metal flashing to let condensation weep out and let air into the wall flashing for controlled air exchange drying.

Notice the vertical exposed termination bars holding the loose laid membrane on the wall four feet on center.

The 2001 Company owner and patent holder of the ventilating **Vertical Wall Flashing System** personally inspects the workmanship and detailing excellence of the installing licensed contractor for the re-roof project.

The contractor is congratulated for their workmanship and attention to detail.
Whole Foods mysterious dripping along their mansard parapet wall has never been seen again thanks to **Wind Venting Vertical Wall Flashing** designs by 2001 Company.