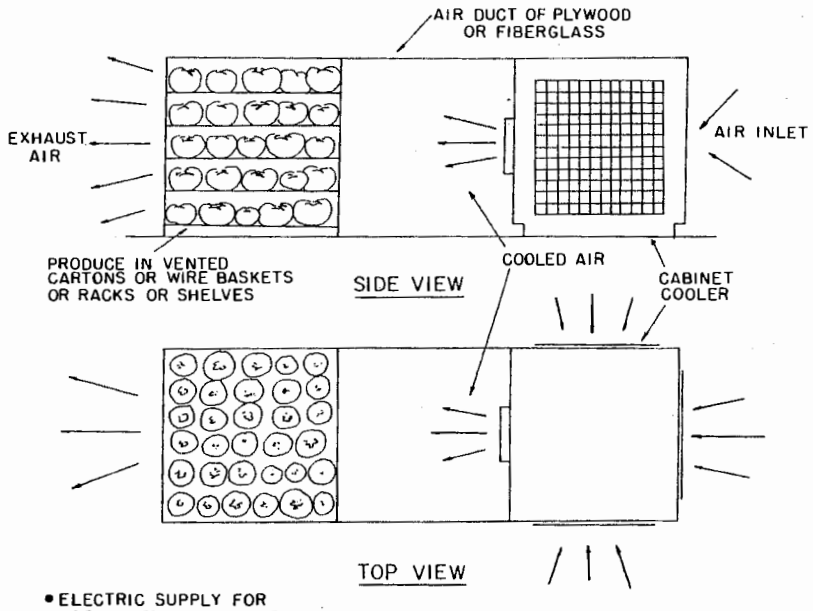
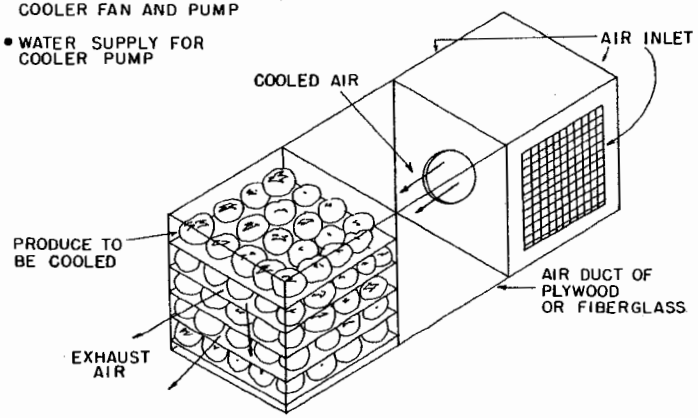
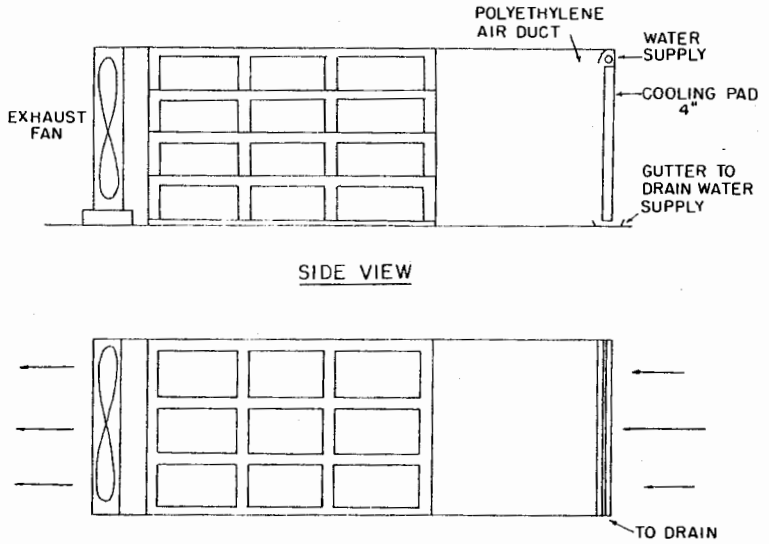
CABINET COOLER



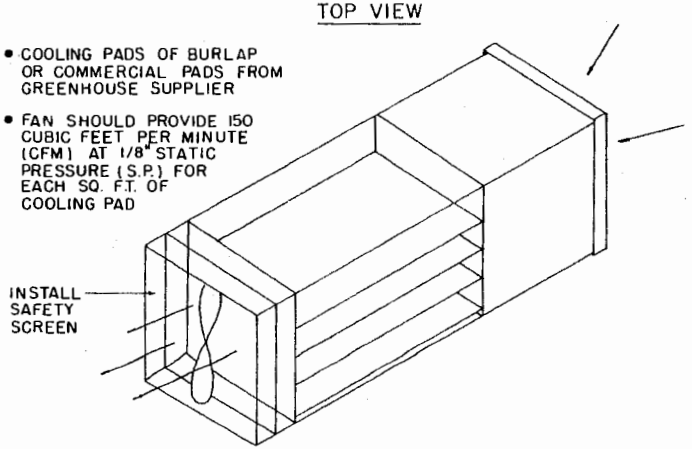
- ELECTRIC SUPPLY FOR COOLER FAN AND PUMP
- WATER SUPPLY FOR COOLER PUMP



CUSTOM COOLER



- COOLING PADS OF BURLAP OR COMMERCIAL PADS FROM GREENHOUSE SUPPLIER
- FAN SHOULD PROVIDE 150 CUBIC FEET PER MINUTE (CFM) AT 1/8" STATIC PRESSURE (S.P.) FOR EACH SQ. FT. OF COOLING PAD



- EVAPORATIVE COOLING CAN LOWER TEMPERATURE OF OUTSIDE AIR BY 10-12° F BETWEEN 10 A.M. AND 7 P.M. DURING SUMMER THIS WILL REMOVE SOME FIELD HEAT FROM PRODUCE AND INCREASE ITS SHELF LIFE
- CABINET COOLERS USUALLY INCLUDE SUMP PUMP AND FLOAT VALVE TO KEEP WATER IN SUMP. IF FLOAT IS INOPERATIVE REGULATE WATER INTO SUMP BY VALVE TO INSURE ADEQUATE WATER SUPPLY AND LET EXCESS WATER DRAIN.
- AIR MUST BE FORCED THROUGH PAD AND AROUND PRODUCE TO REMOVE HEAT. DO NOT ALLOW AIR LEAKS BETWEEN PAD AND EXHAUST END

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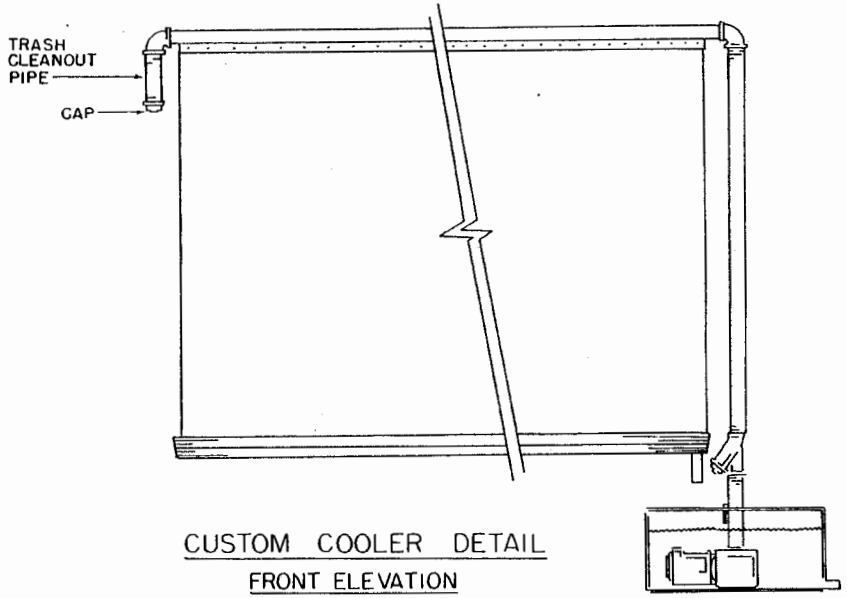
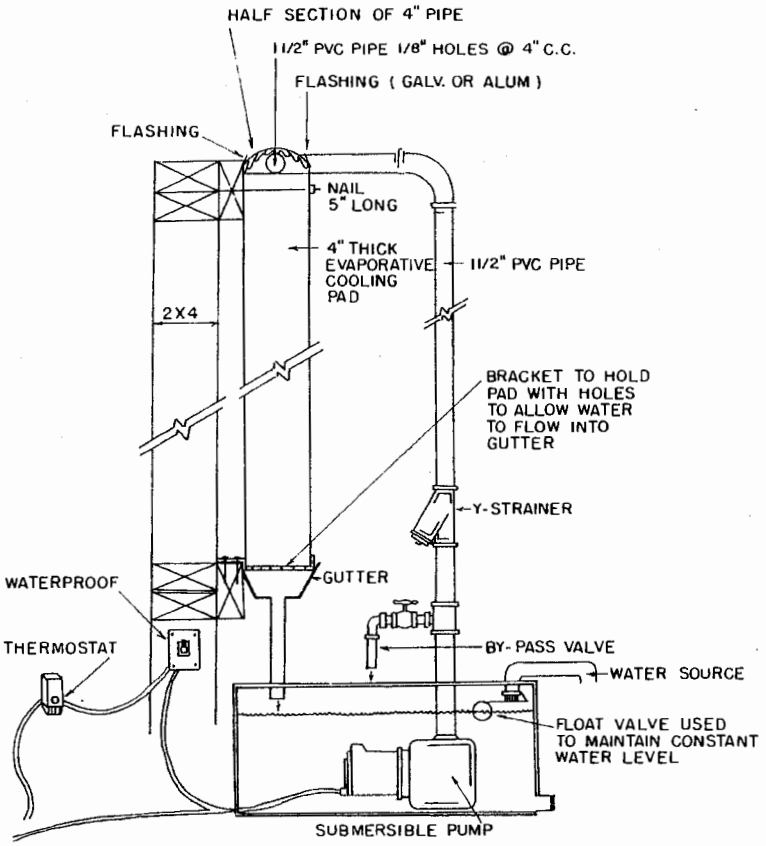
EVAPORATIVE COOLING FOR FRESH PRODUCE

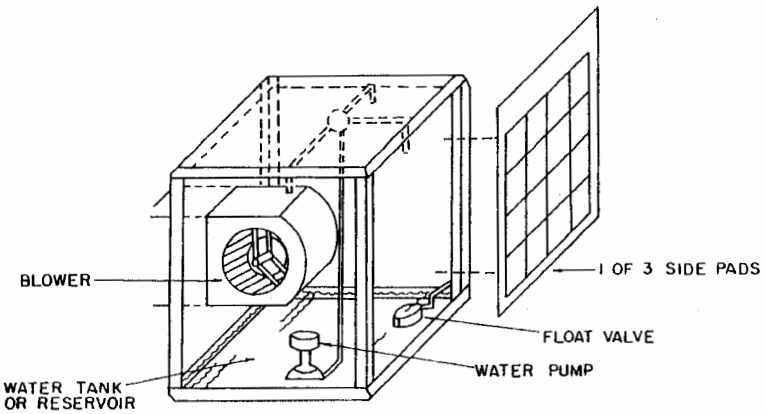
ENGINEER	BRANCH	SCALE	
DRAWN BY	NICHOLS	SHEET	1 OF 2
TRACED BY	NICHOLS	DATE	5-'86
		NO.	84-06



CUSTOM COOLER DETAIL
FRONT ELEVATION



CUSTOM COOLER DETAIL
SIDE ELEVATION



CABINET COOLER DETAIL

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EVAPORATIVE COOLING
FOR FRESH PRODUCE

ENGINEER	BRANCH	SCALE	
DRAWN BY	NICHOLS	SHEET	2 OF 2
TRACED BY	NICHOLS	DATE	5-'86 NO. 84-06

Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.