

FIX-N-FAX #129a

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

Number 129a

Equipment Standard

Mandatory Compliance

Date: October 2005

Alternative CCV/ECT Window Screens Fabrication and Installation Guidelines

This Fix-N-Fax contains specifications and fabrication information for the approved installation of hinged swing away CCV/ECT crew compartment window screens. These screens will allow window cleaning with the removal of two fasteners.

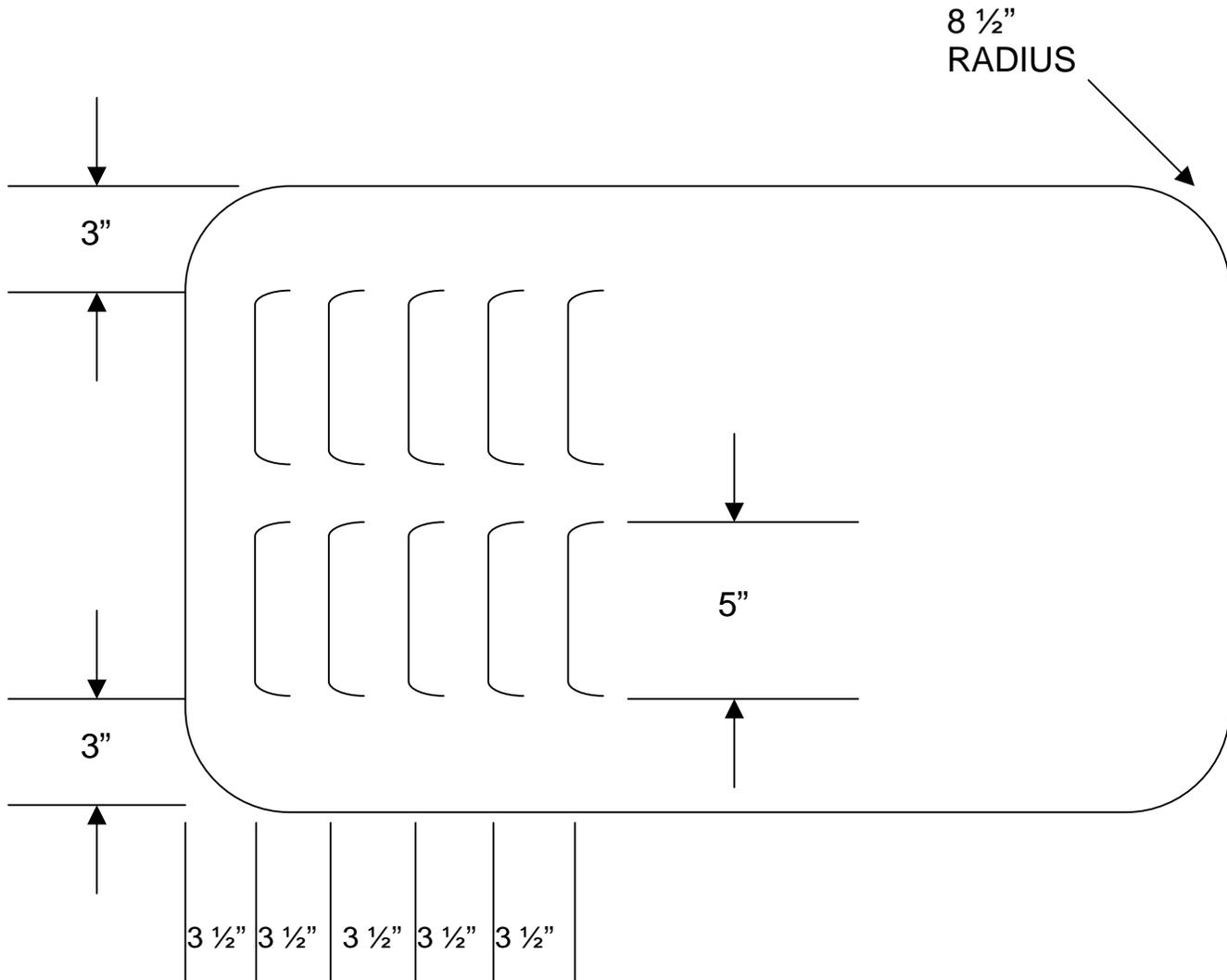
The intent of this screen modification is an effort to mitigate citizen complaints involving inmate lewd gestures and provide contraband control.

Note: The specifications and fabrication instruction guidelines must be strictly followed to maintain compliance with regulated emergency exits and allow for adequate ventilation and light transmittance. **The swing arc travel (exit clearance) of the emergency exit window shall not be compromised by the screen installation.**

Modification Requirements:

- Screen assemblies must be fastened to the outside of the window frame.
- Screens must be louvered per the guidelines to allow adequate ventilation. The air flow must meet or exceed 1000 FPM when measured with a Velometer.
- Crew compartment windows shall remain operational in all aspects as originally delivered from Davis Equipment facility, including opening, closing, latching, and swing arc travel of the emergency exit mode of the window.
- All screen installations must be approved, supervised and inspected by the Unit Fleet Manager. The Unit Fleet Manager shall also personally inspect and test every window to insure the screen modification has been completed correctly and that the modified window functions as the manufacture intended.

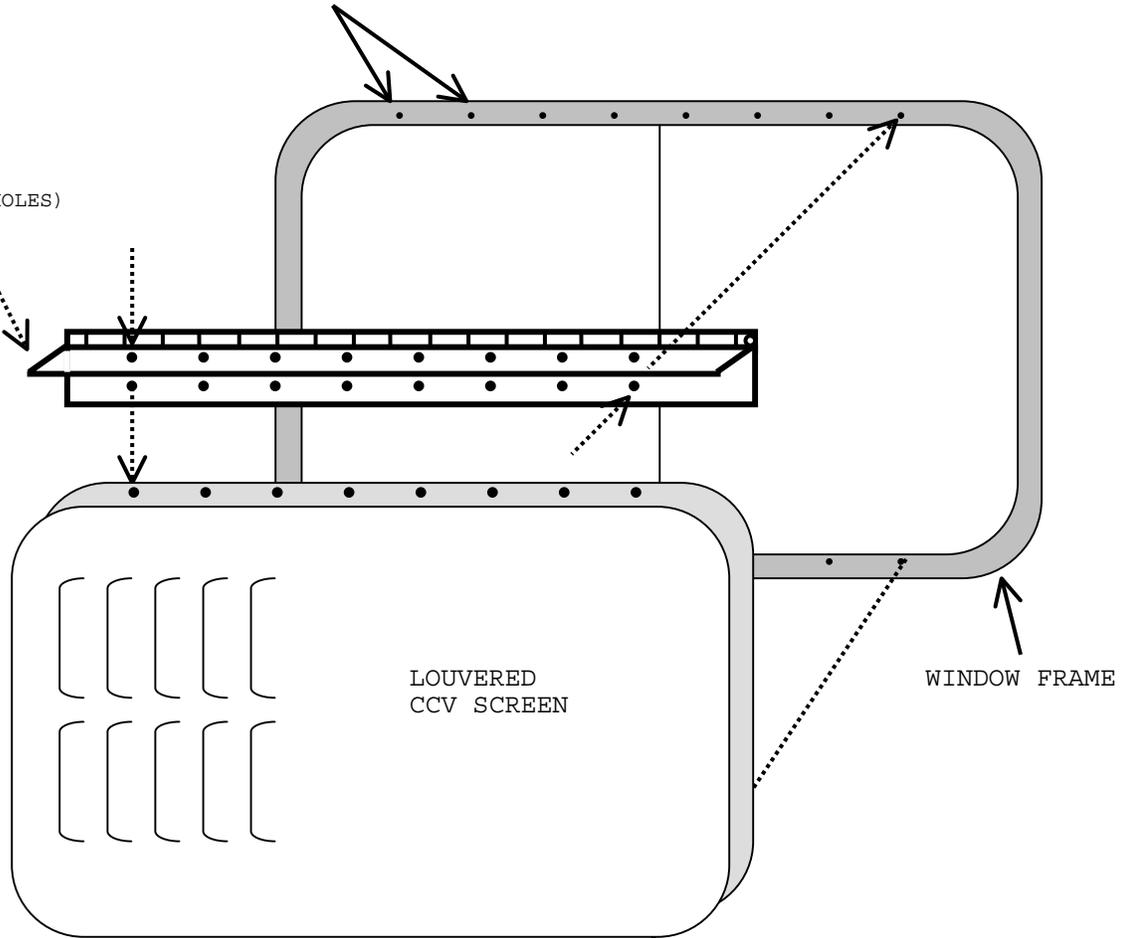
MEASUREMENT DIAGRAM CCV LOUVERED SCREENS



INSTALLATION DIAGRAM CCV LOUVERED SCREENS

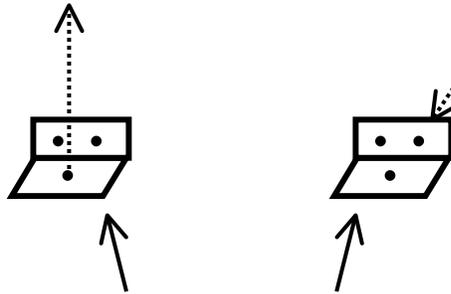
3/16 STEEL SHANK RIVETS (1/4 to 1/2)

PIANO HINGE
(WITH 3/16" HOLES)



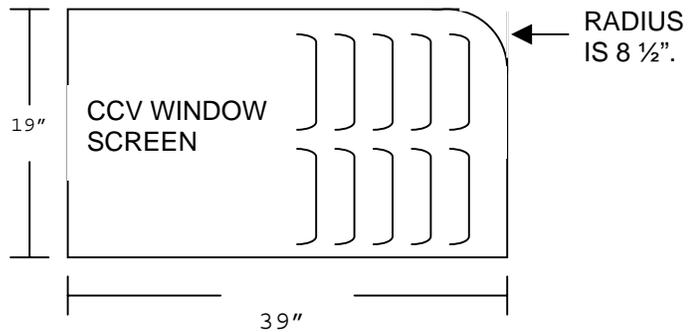
LOUVERED
CCV SCREEN

WINDOW FRAME



ANGLE BRACKETS
(3/4" x 3/4" x 1/8" ANGLE IRON)

PRADO CCV WINDOW SCREENS



OUTSIDE FRAME IS 1" FLAT BAR WITH BLACK PERFORATED METAL WITH 1/8" HOLES. SCREEN IS 1" PIANO HINGED AND SWINGS SEPARATE OR TOGETHER WITH EXISTING WINDOW WITHOUT INTERFERING WITH WINDOW OR EMERGENCY EXIT OPERATIONS. MEETS CHP REQUIRED EXIT AREA OF 72 SQ. FEET (ACTUAL EXIT AREA IS 88 SQ. FEET)

NOTE: WE HAVE THE DIE TO FORM THE RADIUS OF THE SCREEN EDGE.



MATERIAL LIST (PER CCV)

2' – 3/4" x 3/4" x 1/8" ANGLE IRON

1 – 4' x 10' 14 GAUGE PERFORATED SHEET STEEL OC STAGGERED

3 – 21' x 1" x 1/8" FLAT BAR

3 – 6' x 1" x 1" PIANO HINGE (WITH 3/16" HOLES)

125 – 3/16" RIVETS 1/8" TO 1/4"

