

Branch 1: Violation or Not?

Structural Regulatory Training

Dublin, CA

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Santa Clara County

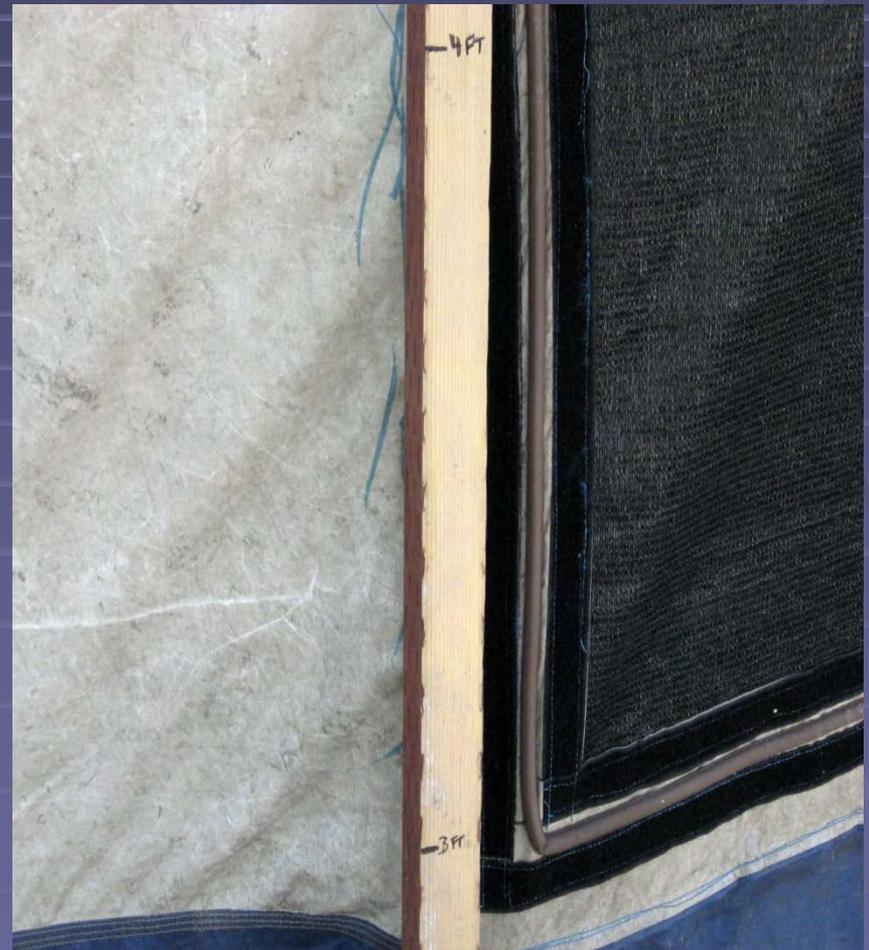
What do you see?

- In the next series of photos look at the setup and see if there appear to be any violations.
- Where would you look for the requirement?
 - Food and Agricultural Code
 - Title 3, California Code of Regulations
 - California Aeration Plan (CAP)
 - Business and Professions Code
 - Title 16, California Code of Regulations

Is This A Violation?



Is This A Violation?



Is This A Violation?



In this scenario the biologist observed the licensee:

- 1) Activating the Ducted Air Fan remotely
- 2) Then donning the SCBA to install the inlet devices...

Is This A Violation?

Day #2 Scenario:
(No crew onsite)

- This is one of your inlet photos, of the “long” side of the inlet.

What do you think?

Is This A Violation?

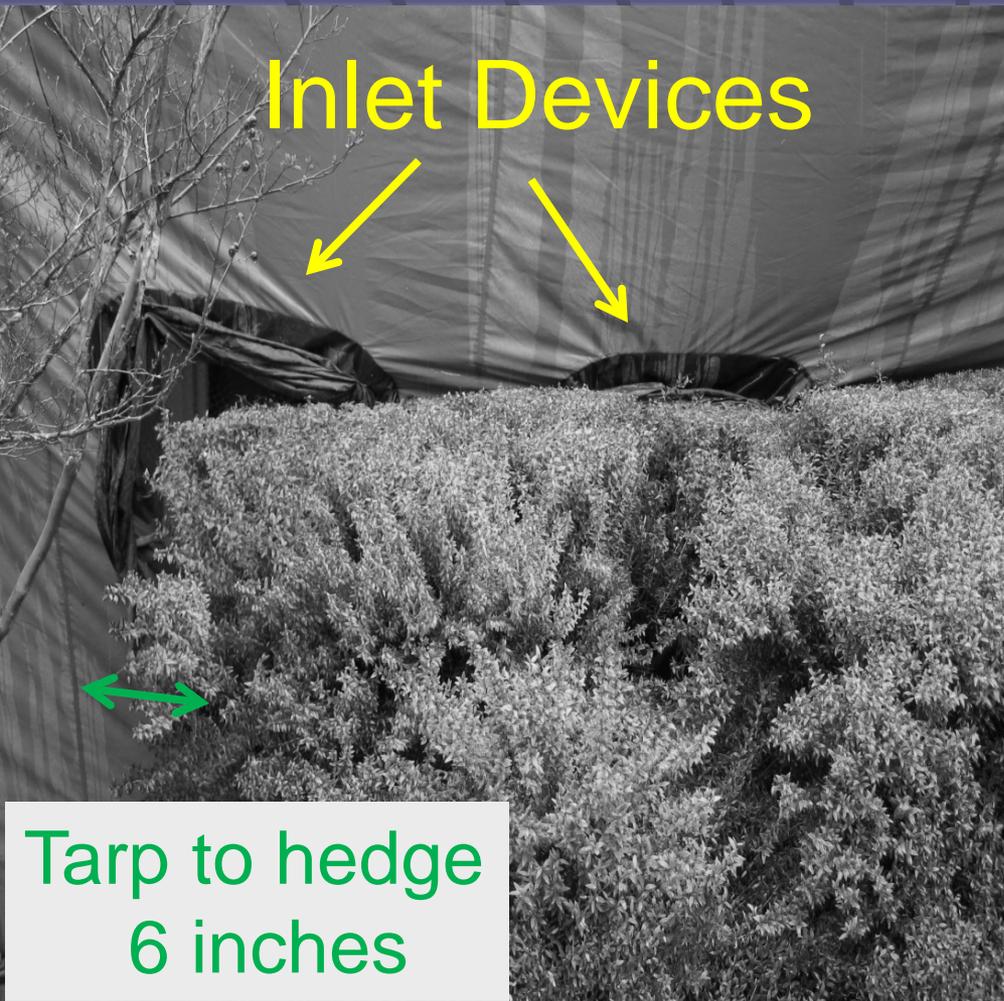
Assume this
structure
needs 2 inlets
and this is
one of them.



Is This A Violation?



Is This A Violation?



- Assume this structure needs 2 inlets.
- The hedge is 6 inches away from the inlets.

Is This A Violation?

- This structure only needs 2 inlets.
- You measure the mesh area and each total is 250 square inches

What do you think?



Is This A Violation?



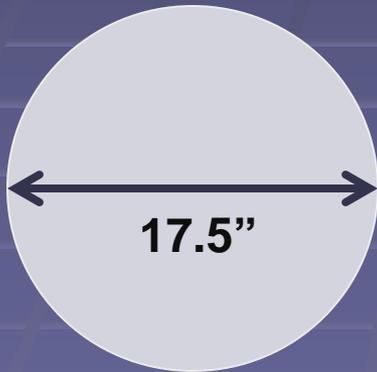
- This structure is 35,000 cubic feet
- This is the only inlet
- The opening measures 600 square inches

Is This A Violation?

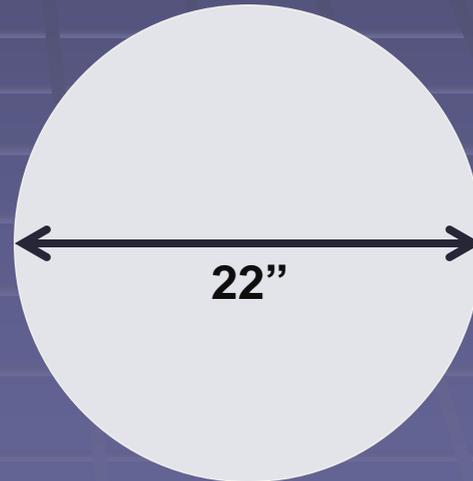


Size Requirements for Circular Inlets

Minimum Diameter:
17.5" = 240.5 sq inches



Maximum Diameter:
22" = 380 sq inches

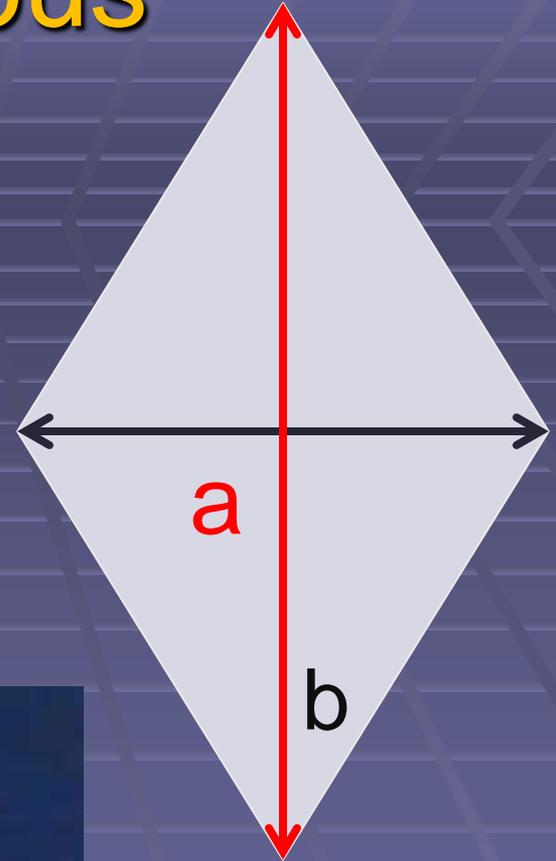


Is This A Violation?



Area of a Rhombus

- The area of a rhombus can be calculated by multiplying the lengths of the diagonals and then divide by 2:
- $\text{Area} = (a \times b) / 2$
- The previous slide would be $(17'' \times 30'') / 2 = 255''$

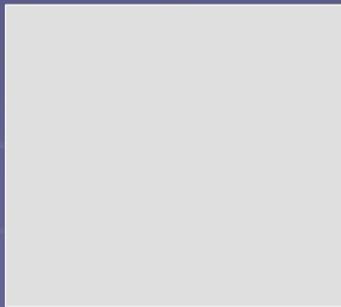


Cheat Sheet for Square Inlets

Minimum

$$15.5'' \times 15.5'' =$$

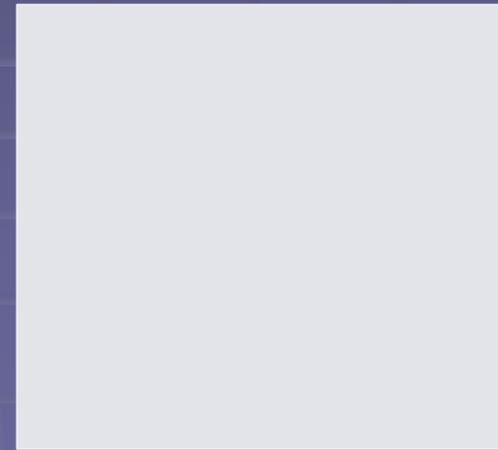
240.25 sq. inches



Maximum

$$19.5'' \times 19.5'' =$$

380.25 sq. inches



Is This A Violation?



Is This A Violation?



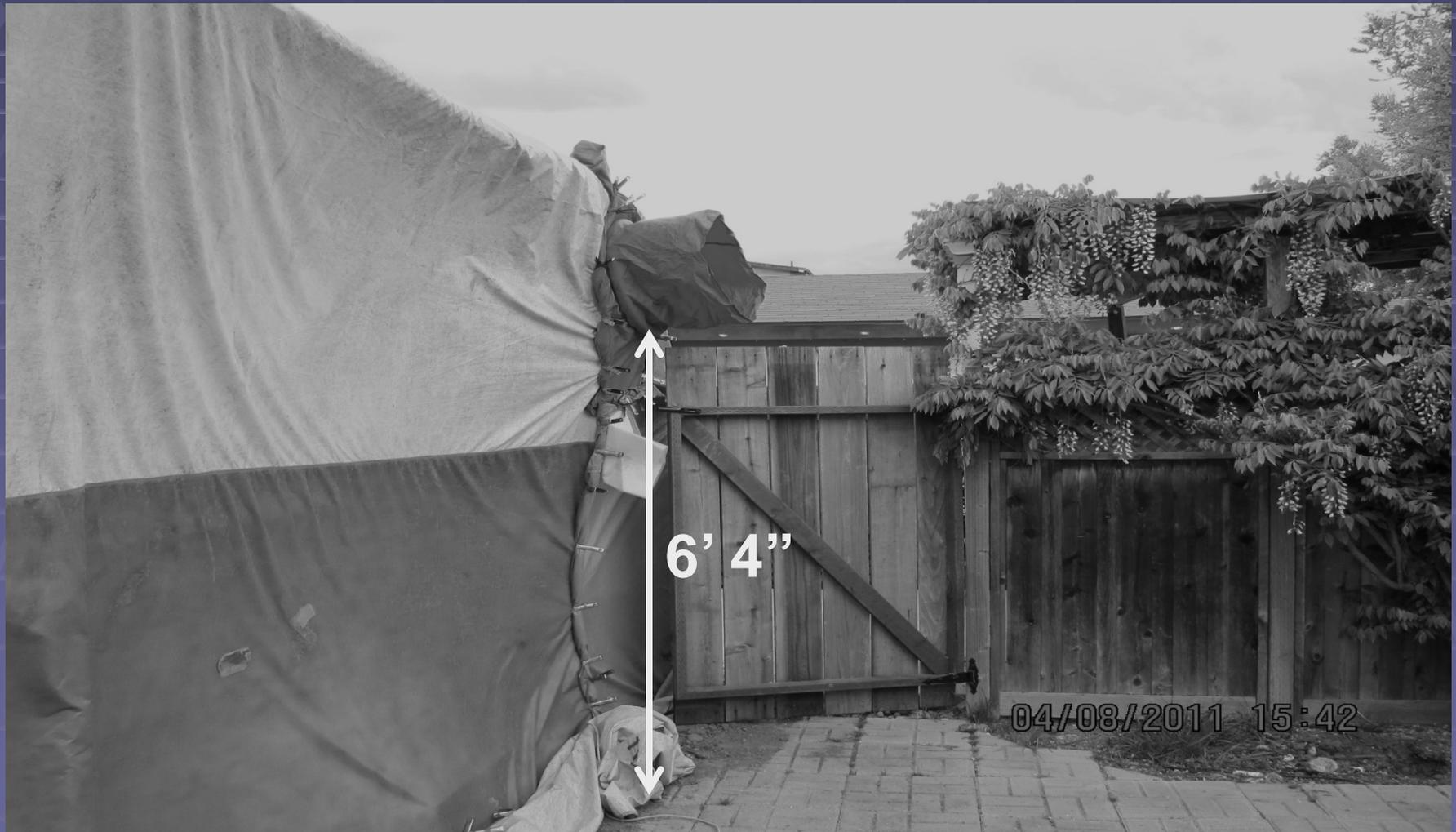
- You arrive on Day #3 and you hear the duct fan running inside (active aeration)
- What do you think?

Is This A Violation?



- You arrive on Day #3 (still during Aeration).
- **What do you think?**

Is This A Violation?



Is This A Violation?



Is This A Violation?



Aeration duct had disconnected from the eave and fan was still running.
The Biologist observed the licensee unplugging the aeration fan.

Is This A Violation?



- The licensee is prepared to introduce the fumigant
- This is a single story dwelling.
- All of the windows are functional.

What do you think?

Is This A Violation?



- This picture was taken during a certification inspection
- This is the only attic access

Is This A Violation?



- Assume this is the final walk through.
- The licensee is prepared to shoot the fumigant.

What do you think?

See Any Violations?



See Any Violation?

You are conducting an aeration / certification inspection and you ask to see the fume log:

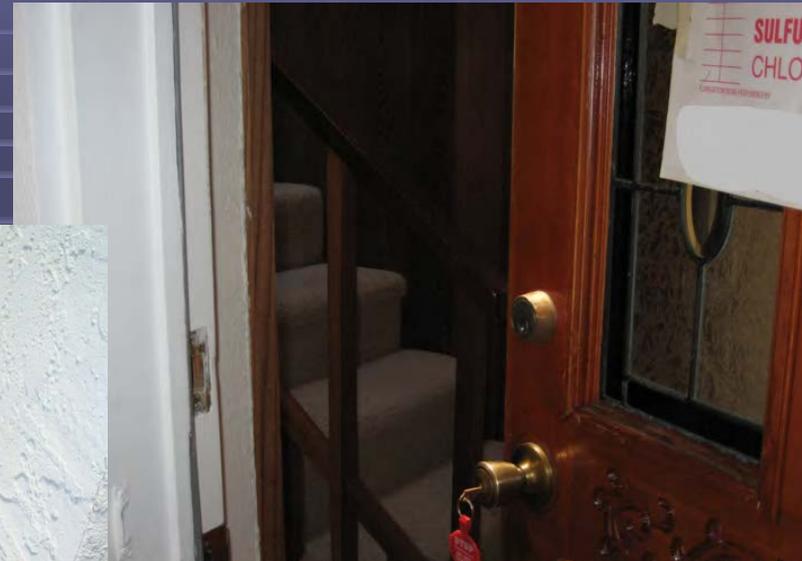
WAS REQUIRED SAFETY EQUIP. PROVIDED?		LICENS
YES () NO ()		SIGNAT
SECTION 2 VENTILATION COMMENCED	AERATION COMMENCED:	TAR
	DATE	TIME
CREW MEMBERS NAMES		
07/24/2013 10:50		
WAS REQUIRED SAFETY EQUIP. PROVIDED?		SIGNAT
YES () NO ()		

See Any Violation?



- This picture was taken during a certification inspection.

See Any Violations?



How Many Violations Can You Count??

