

Lesson 5 – Wind Resistance



Load

Resistance

Wind

~~Hail Event~~

Happens

Function

(Is it working?)

Form

(Aesthetic
Appearance)

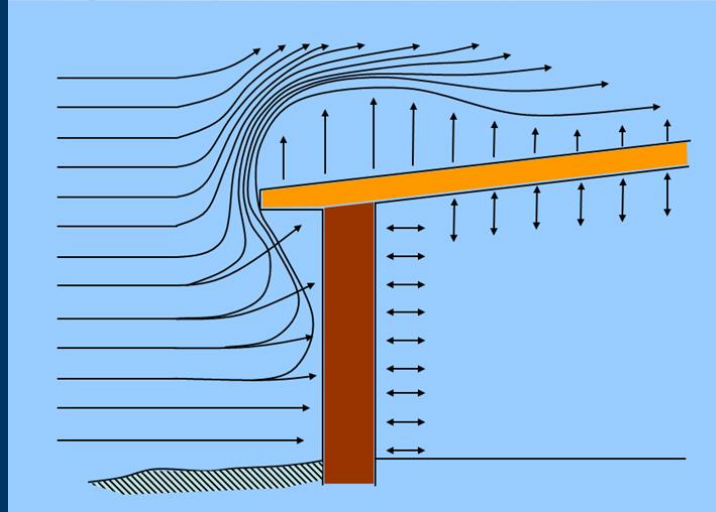
What was the Effect?

Was it damage?



Variables for Wind

Part 7 Load

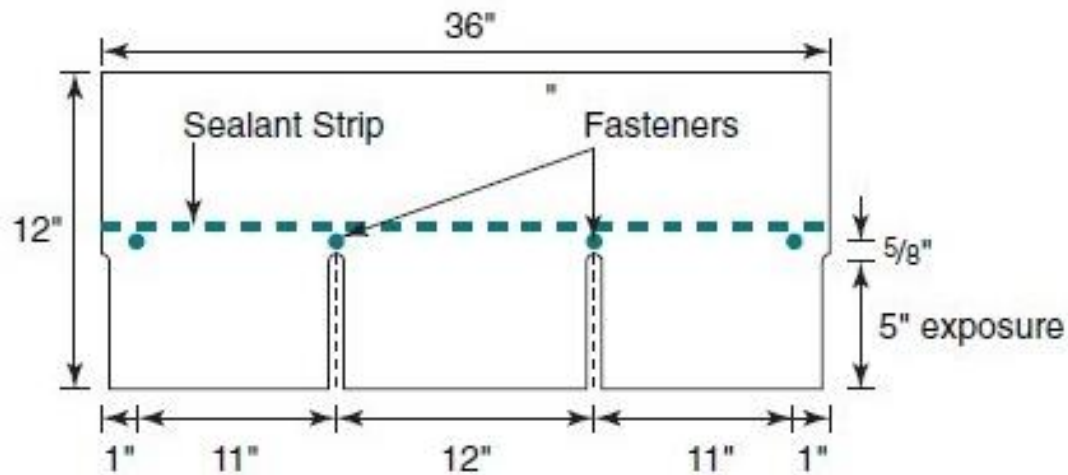


Part 8 Effect

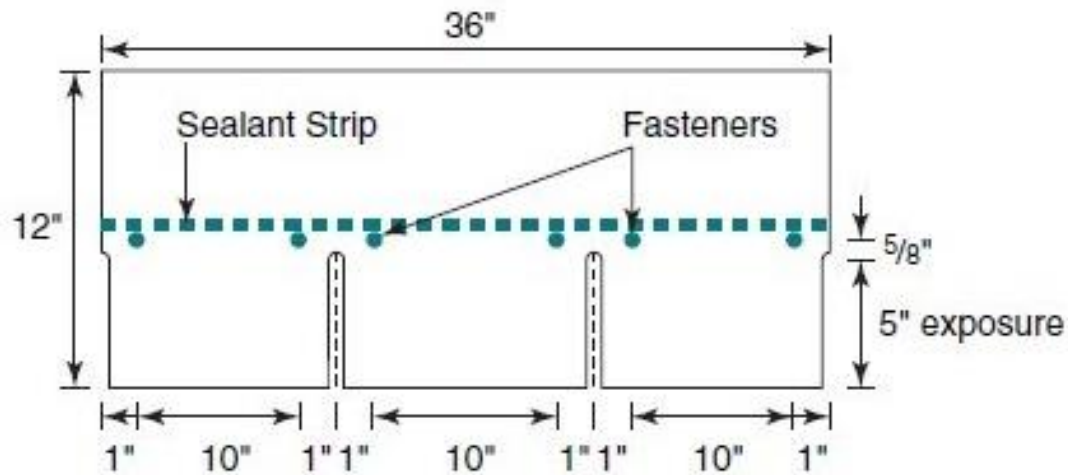
Part 6 Resistance

- Condition of Roof
- Type of Roof
- Age of Roof
- Structure Behind
- Are there 2 layers?
- Installation issues
- Nailed or staples
- Sealed or not

Was it installed adequately



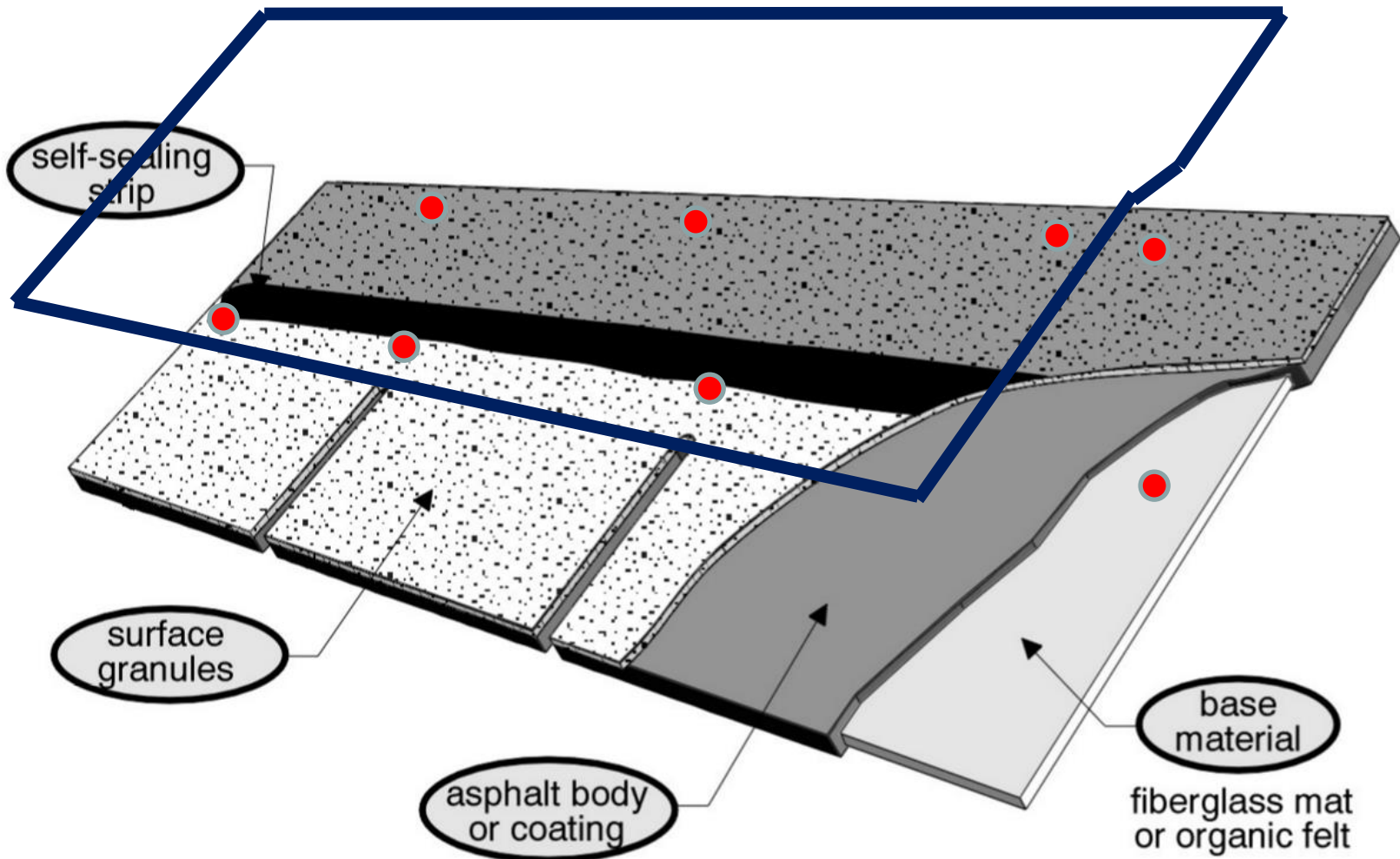
Standard Nailing



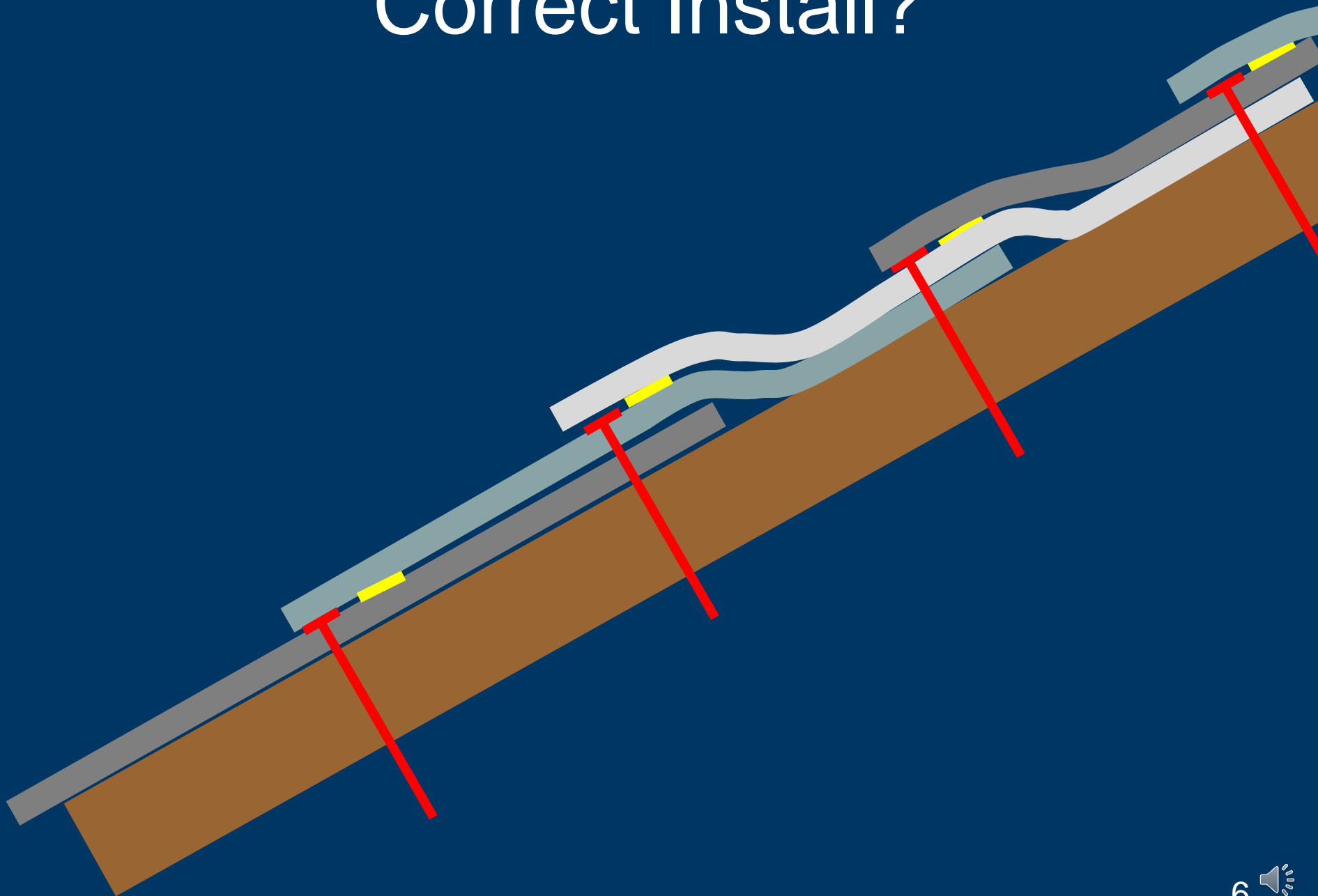
Six-Fastener Method
(For high winds or steep slopes)

What makes up a shingle?

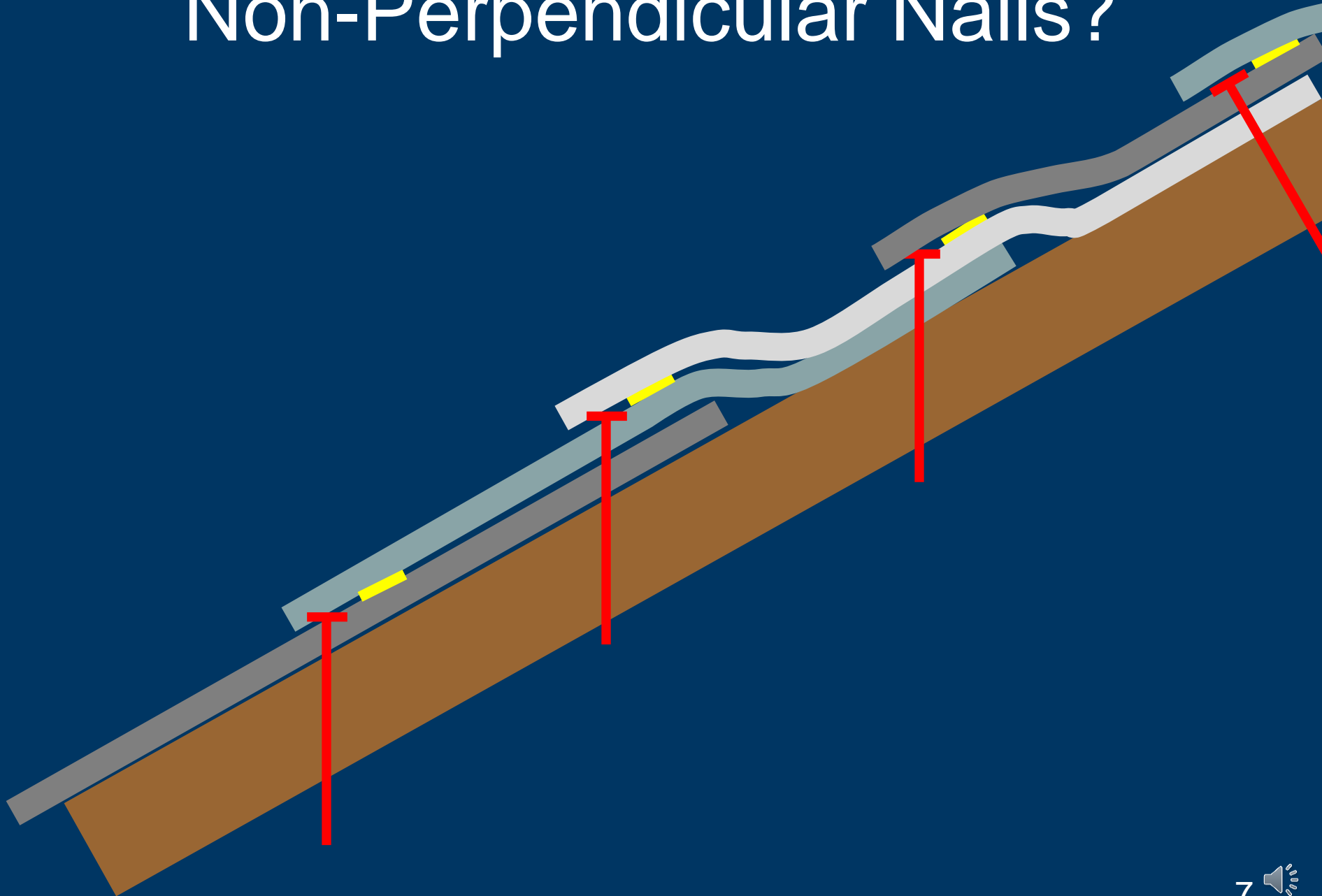
Asphalt shingle composition



Correct Install?



Non-Perpendicular Nails?



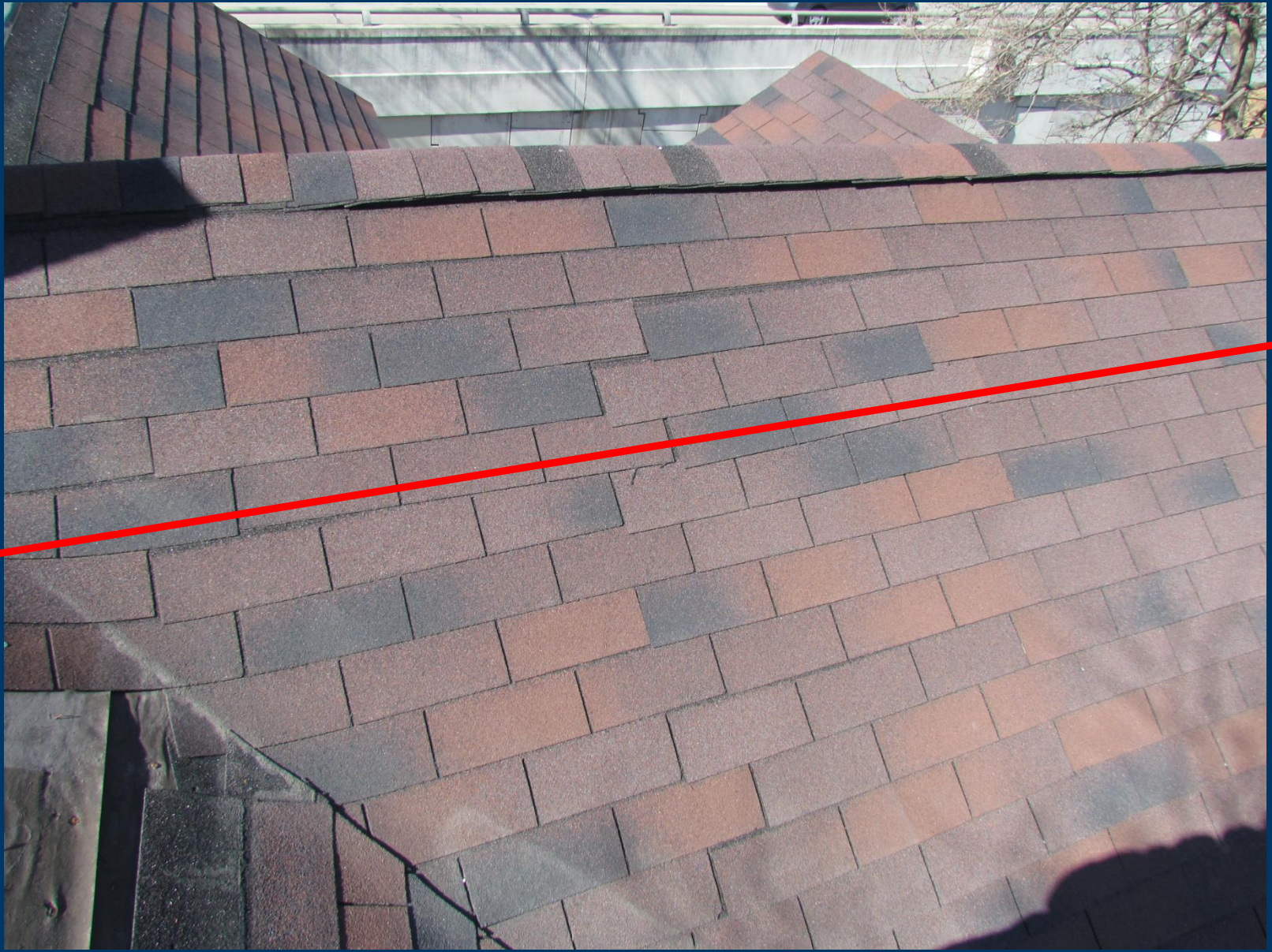
Over Driven Nails?



High Nailing

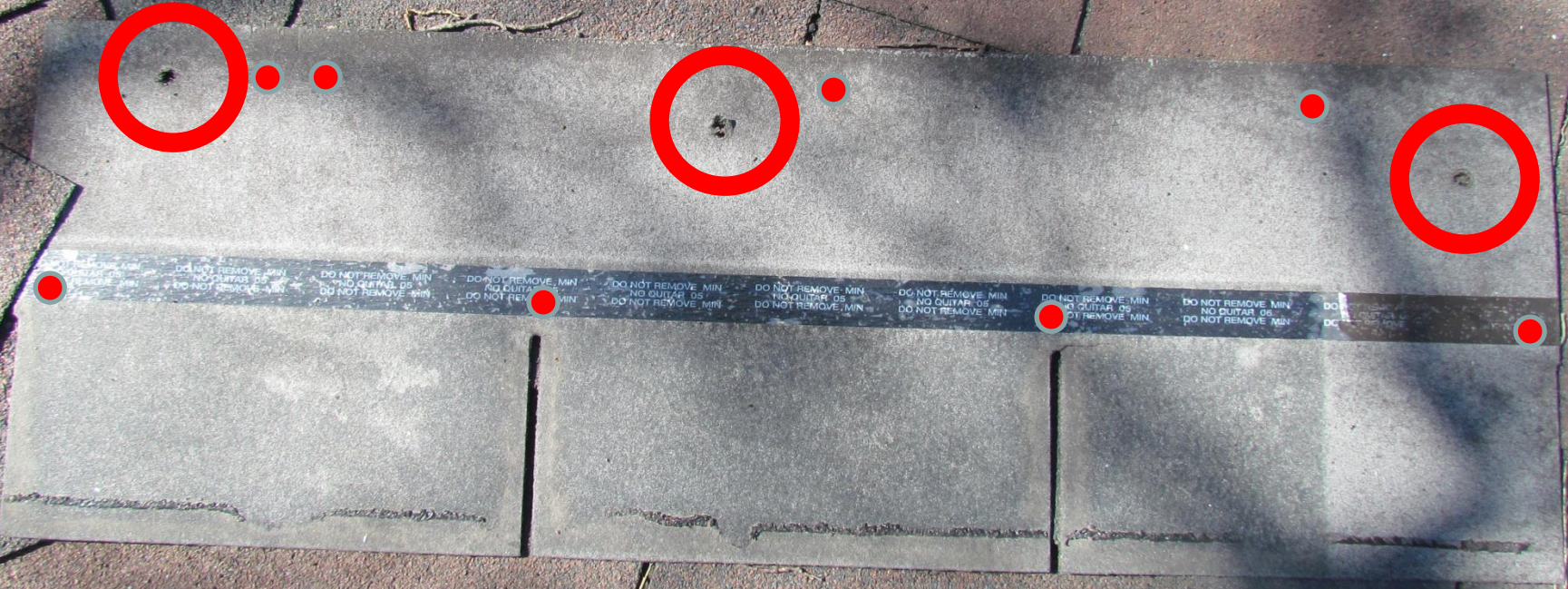


Example 6: Sliding Shingles

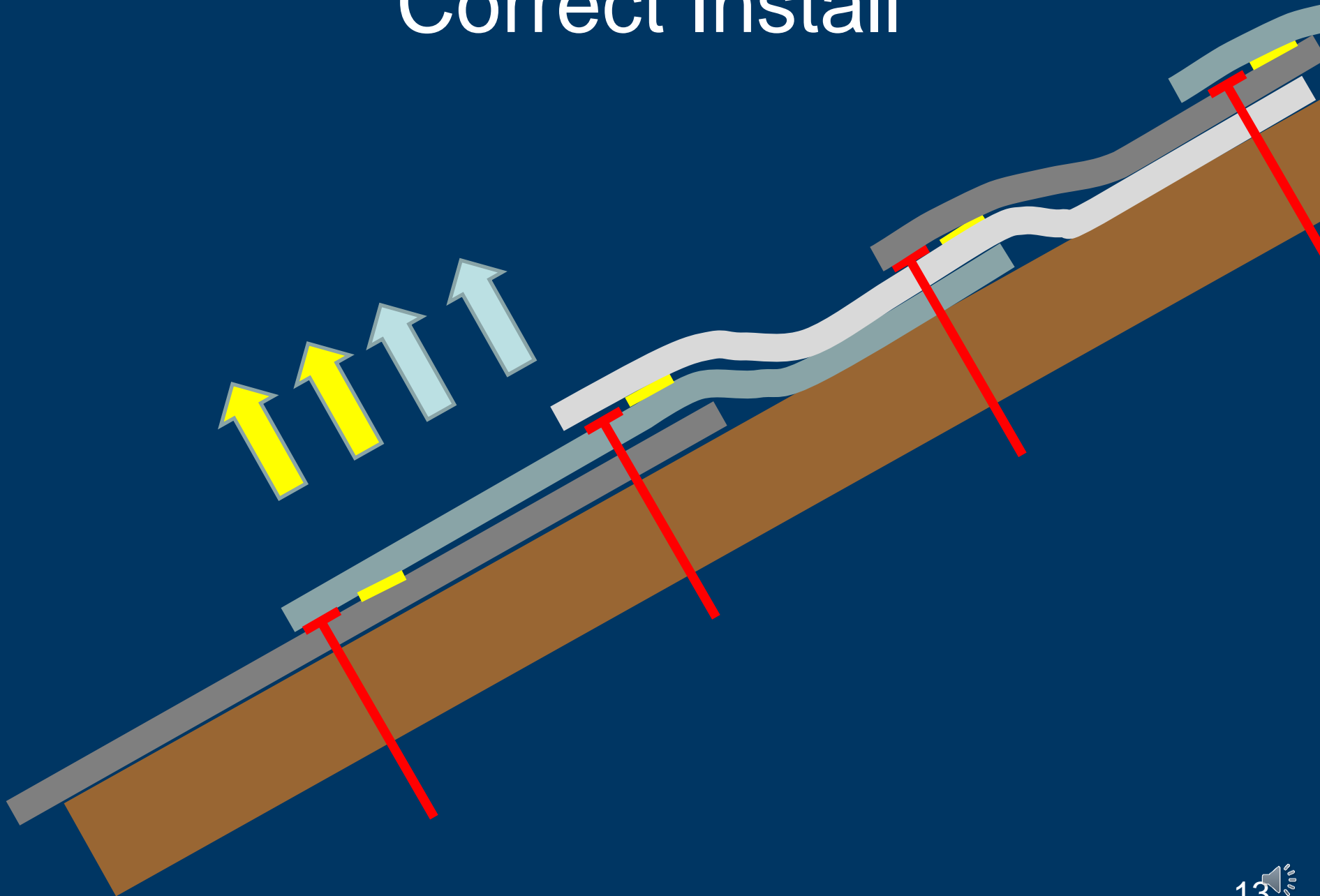


Example 6: Was it installed adequately

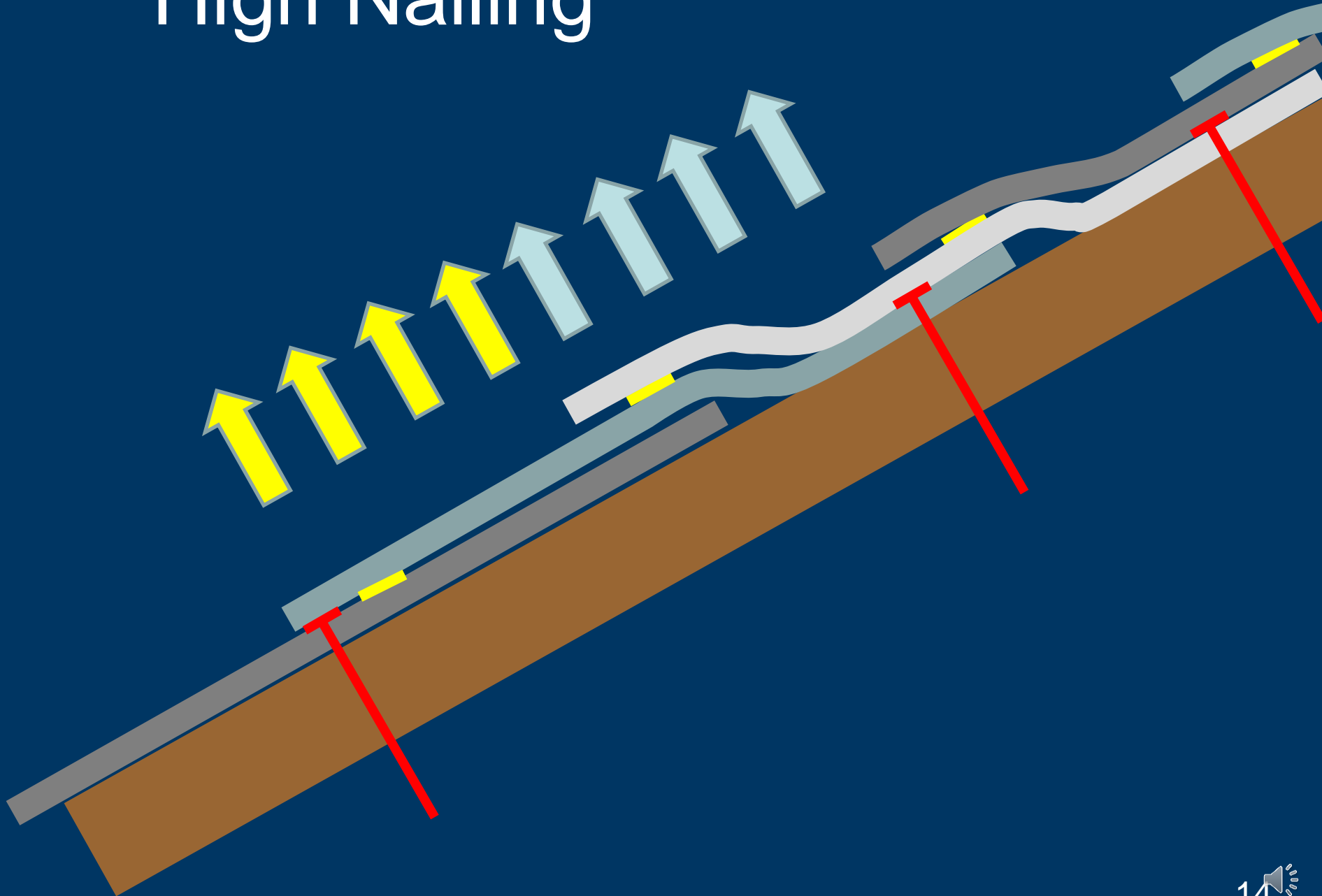




Correct Install



High Nailing



Not Wind