NO.

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$A \sim 16 \cdot \sigma_{4,2} + 16\, \sigma_{3,3}$.

⌈ $A \sim a_1 \sigma_6 + a_2 \sigma_{5.1} + a_3 \sigma_{4.2} + a_4 \sigma_{4,1,1} + a_5 \sigma_{3,3}$
$+ a_6 \sigma_{3,2,1} + a_7 \sigma_{3,1,1,1} + a_8 \sigma_{2,2,2,} + \cdots$

$\sigma_{6,0} = \phi$

$\sigma_{5,1} = \phi$.

$\sigma_{4,1,1} = \{ \Lambda : \dim(\Lambda \cap V_{4+i-a_i}) \geq i \}$
$= \{ \Lambda : \dim(\Lambda \cap V_1) \geq 1,\ \dim(\Lambda \cap V_4) \geq 2$
$\dim(\Lambda \cap V_6) \geq 3 \} = \phi$, since $\Lambda = \mathbb{C}^2$.

$\sigma_{3,2,1} = \{ \Lambda : \dim(\Lambda \cap V_2) \geq 1,\ \dim(\Lambda \cap V_4) \geq 2$
$\dim(\Lambda \cap V_6) \geq 3 \} = \phi$

$\sigma_{3,1,1,1} = \{ \Lambda : \dim(\Lambda \cap V_6) \geq 3 \cdots \} = \phi$

$\cdots$ Similarly, we get $\sigma_{2,2,2} = \{ \Lambda : \dim(\Lambda \cap V_5) \geq 3 \cdots \} = \phi \cdots$

$\Rightarrow A \sim a_3 \sigma_{4,2} + a_5 \sigma_{3,3}$.

$\Rightarrow a_3 = (A \cdot \sigma_2) = a_3 (\sigma_{4,2} \cdot \sigma_2)$ and $a_5 = (\sigma_{3,3} \cdot \sigma_{1,1})$

⌋

Now, for any point $a \in A$, we can find a hyperplane $V_4 \subset \mathbb{P}^5$ containing the corresponding line $L_a \subset X$ and intersecting X transversely (by Bertini, the generic V_4 containing L_a meets $X - L_a$ transversely, and by direct examination we see that $V_4 \cap X$ is smooth along L_a for a generic such 4-plane).

⌈ Consider a linear system $\{ H \cap X \mid H \supset L_a \}$. $\Rightarrow$