Group Problem: B Field Generation

Sheet (blue) has uniform charge density \( \sigma \)
Starting time \( T \) ago pulled down at velocity \( v \)

1) What is B field?
(HINT: Change drawing perspective)

2) If sheet position is \( y(t) = y_0 \sin(\omega t) \)
What is \( B(x,t) \)?
What is \( E(x,t) \)? What Direction?