

Summary to Normal Moment Yield Conditions, hs, 05.12.2024  
Novuel Rowert Yield Conditions, hs, 05.12.2024  

$$m_{xw} \cos^{2} \varphi_{w} + m_{yw} \sin^{2} \varphi_{w} = m_{yw} \sin^{2} \varphi_{w} + m_{y} \sin^{2} \varphi_{w} + 2m_{xy} \sin \varphi_{w} \cos \varphi_{w}$$
(1) Vesistance  

$$m_{w} (q)$$

Sandwich Model





Similarities between formulation of decoupled yield condition for slabs (Normal Moment Yield Condition) and membranes (Regime 1), hs, 05.12.2024 Sichs Tembranes in slobs corresponds to a in membranes  $\frac{1}{V\cot^2 y^n} \cot^2 \frac{x}{x} = \frac{n_{xc}}{n_{zc}} = \frac{a_{sx}f_{sd} - n_x}{a_{sz}f_{sd} - n_z}$  $\left|\tan \varphi_{u}\right| = \sqrt{\frac{\left(m_{x,u} - m_{x}\right)}{\left(m_{y,u} - m_{y}\right)}}$  $m_x + m_{xy} \cdot \tan \varphi_u$  $Y_{1} = n_{xz}^{2} - (a_{sx}f_{sx} - n_{x})(a_{sz}f_{sz} - n_{z}) = 0$  $= m_{\chi} + m_{\chi v} \cdot \cot \varphi_u$  $a_{sx}f_{sx} \ge n_x + k |n_{xz}|$   $a_{sz}f_{sz} \ge n_z + k^{-1}|n_{xz}|$  $k = \cot \alpha$ actions resistance Vécistance load

