$$\frac{}{\Vdash \emptyset}\ (\mathsf{empty}) \qquad \frac{\Vdash \Gamma \qquad \Gamma \text{ is affine}}{\Gamma \vdash \mathbb{U}_i : \mathbb{U}_{i+1}}\ (\mathsf{univ}) \qquad \frac{\Gamma \vdash A : \mathbb{U}_i}{\Gamma \vdash A : \mathbb{U}_{i+1}}\ (\mathsf{hier})$$

$$\frac{\Gamma \vdash A : \mathbb{U}_i}{\Vdash \Gamma, x : A}\ (\mathsf{ext}) \qquad \frac{\Vdash \Gamma, x : A \qquad \Gamma \text{ is affine}}{\Gamma, x : A \vdash x : A}\ (\mathsf{var})$$

$$\frac{\Gamma \vdash A : \mathbb{U}_i \qquad \Delta\,[, x : A] \vdash B : \mathbb{U}_i}{\Gamma, \Delta \vdash \Pi(x : A).\, B : \mathbb{U}_i}\ (\Pi)$$

$$\frac{\Gamma, x : A \vdash e : B}{\Gamma \vdash \lambda x.\, e : \Pi(x : A).\, B}\ (\Pi_{\mathsf{i}})$$

$$\frac{\Gamma \vdash e_1 : \Pi(x : A).\, B \qquad \Delta \vdash e_2 : A}{\Gamma, \Delta \vdash e_1 \mathbin{@} e_2 : B\{x := e_1\}}\ (\Pi_{\mathsf{e}})$$

$$\frac{\Gamma \vdash A : \mathbb{U}_i \qquad \Delta\,[, x : A] \vdash B : \mathbb{U}_i}{\Gamma, \Delta \vdash \Sigma(x : A).\, B : \mathbb{U}_i}\ (\Sigma)$$

$$\frac{\Gamma \vdash e_1 : A \qquad \Delta \vdash e_2 : B\{x := e_1\}}{\Gamma, \Delta \vdash (e_1, e_2) : \Sigma(x : A).\, B}\ (\Sigma_{\mathsf{i}})$$

$$\frac{\Gamma \vdash e_1 : \Sigma(x : A).\, B \qquad \Delta, x : A, y : B \vdash e_2 : C\{z := (x, y)\}}{\Gamma, \Delta \vdash \mathsf{let}\ (x, y) = e_1\ \mathsf{in}\ e_2 : C\{z := e_1\}}\ (\Sigma_{\mathsf{e}})$$

$$\frac{\Vdash \Gamma}{\Gamma \vdash \top : \mathbb{U}_i}\ (\top) \qquad \frac{}{\vdash \mathsf{unit} : \top}\ (\top_{\mathsf{i}})$$

$$\frac{\Gamma, x : A \vdash e : A \qquad \Gamma \text{ is relevant}}{\Gamma \vdash \mathsf{rec}\, x.\, e : A}\ (\mathsf{rec})$$

$$\frac{\Gamma \vdash e : A \qquad B \text{ is affine}}{\Gamma, x : B \vdash e : A}\ (\mathsf{wkg}) \qquad \frac{\Gamma, x : B, y : B \vdash e : A \qquad B \text{ is relevant}}{\Gamma, x : B \vdash e\{y := x\} : A}\ (\mathsf{ctr})$$