## Checklist for Design Engineers and Architects - Residen al Construc on

DRAFT DSCHUTT

Co sideri g si g ite s o this he klist to pre e t thro gh desig a o o safet a d health ha ardsd ri g the o str o a d ai te a e of reside al ildi gs Pee o hogh De ig PD e og i e ha de ig e gi ee a d a hi e ha e he a ili o oa el de ig o o e al ha a d o eli i a e o i i i e he i k a di o e o ke afe a d heal h He e hi he kli ed d i g he la i g a d de ig ha e a d e o d a a i de ig e gi ee a d a hi e o ki g lo el i h o o ea o ide f a deli i a e o e of he o e al ha a d o o l e e d i g e ide al o o a d ai e a e Toi ea e PDa li a o a d de ea e e ai i he o e of o k a PD o ol hold e i l ded fo i id a d o a a o ia ed i h he o o a d ai e a e a d lea l alledo i la a d d a i g

Desig E gi eer Codes CE Ci il EE Ele tri al ME Me ha i al SE Str t ral PE Proje t

Component	Design Risk	PtD Conြեթեւify locations and types	Architector of	Enginee <u>re</u>	syste	ems	on
Framing, Painting, and Trim	Working from ladders presents a risk of injury from falls. By minimizing ladder use, fall risks	Design interiors that minimize ladder use for finish work such as lower ceilings or eliminating trim around high windows		SE			
		Design roofs with easy access or access from upper interior levels (no ladder required)		SE			
	can be decreased.	Locate exterior flatwork adjacent areas that may require work at height to provide - workers below.			N N	1	ä

		SE
y movement while on the roof		
Design a flat area on the roof for safely loading roofing and solar components during installation and future roof maintenance		SE
Plan for roof work during dry seasons	1	PE

		Perform roof inspections with a drone or other remote visualization device to eliminate the need for a person on the roof	-	ME, SE
Electrical	Working with electrical wiring and equipment can present a risk of electrocution.	Design centrally-accessible temporary power during construction that is grounded and GFCI protected		