Heat Loss - With Frost Proof Sha	allow Four	ndation - C	rawl Space	w/ Uninsulat	ed First Flor	r Joists					\neg
			Degree	Delta T low temp to 65	DD adj for soil temp		R Value Conc Foundation Wall, rim joist sidings, plantings, air			Equiv. G	Gal
	SF				vs air temp			BTU per yr	·	Oil	
First Floor Plate uninsul	900'	Air temp	7000	70	100%	7000	1 1'	151,200,000	<u></u>	1,37/	74.55
Energy generated from earth	900	/ <u> </u>	7000	40	57%	4000	<u>، آ1'</u>	43,200,000	í	39′	32.73
in crawlspace	ſ <u></u>	<u> </u>	1	1		·			(
Net heat loss base case uninsulated crawl space							Net loss uninsul	108,000,000		981	31.82
First Floor Plate with FPSF	900	50	7000	40	57%	4000	,1	86,400,000		78′	35.45
3 feet above ground inc rim joist	360	Air temp	7000	40	57%	4000	35	987,429	(8.98
·	<u> </u>	to crawlspa	ace at 50	1		,			(
Heat Loss FPSF				ſ'		·		20,612,571	-	18	37.39
Energy Savings from Frost Proof Shallow Foundation				1		,			87,387,429	79	94.43
Cost Savings from Frost Proof Shallow Foundation			<u> </u>	1	<u> </u>	·				\$ 2	2,939
Payback would be shorter due to savir	ngs from rec'	Juced infiltrat	ion, reduced	water / moistur/	e, insect, and	vermin in baseme	nt and building				