2021		SIDENTIAL ENERGY CONSERV	
	PASSIVE SO	LAR HEATING WORKS	HEET
Project ID		Building Floor Area	Date
Builder Name			
Builder Address			
Submitted by			Phone
Building Address			
Town			Climate Zone (3-7)
radeoff Worksheet under Doors solar features. Solar feature glazi	ertily compliance. The s and Windows. The nas are not required	re area in square feet of such feat U-Factor column may be left blar to meet the specified SHGC rear	lar features. All boxes by the system type ures should be entered here and on the nk on the Tradeoff Worksheet for these uirements stated on the Tradeoffing is acceptable in CZ 3-6 (see Direct
All Solar Features			
	Orie	ntation within 25° east and 15° w	est degrees of true South
No significant obstructions to sun above 25° elevation, from bottom of feature			
No significant obstructions to sun within 45° horizontal from the east and west edges of the solar feature.			
Solar features of all kinds no greater than 20% of heated floor area.			
N + E + W windows meet all requirements of the Tradeoff Worksheet and the 2021 NMECC. For CZ 3, overhangs or other external attached fixtures that prevent sun on south-facing glazing on April 21st.			
For CZ 4, overhangs or other	external attached fi	xtures that prevent sun on south-fa	cing glazing on April 21st.
For CZ 5, overhangs or other e	external attached fixt	tures that prevent sun on south-fa	oing glazing on May 15t.
For CZ 6, overhangs or other	external attached fixt	tures that prevent sun on south-fa	cing glazing on May 31st.
Direct Gain			
Double glazed (min	imum) with a U-Fac	tor \leq 0.40 for CZ 3 or 4, or a U-Fa	actor < 0.32 for CZ 5 or 6.
For wood frame or non	-mass built homes, i	if South windows greater than 8%	of heated floor area, add
TOTAL AREA DIRECT GAIN	thern GLAZING	nal mass (at least 5x area of South	n glazing, at least 3" thick)
Solar Mass Walls			
TOTAL ABEL		Soli	d masonry wall, no vents.
TOTAL AREA MASS WALL G	LAZING		ft ²
Attached Sunspace			
Double glazed (minimum) with a U-Factor ≤ 0.40 for CZ 3 or 4, or a U-Factor ≤ 0.32 for CZ 5 or 6. Mass area at least 3x glazing area (a 4" concrete slab floor may count toward this requirement).			
One	arable windows or de	oors to living space, at least 15%	toward this requirement).
TOTAL AREA SUN SPACE G	LAZING	bors to living space, at least 15% t	or sunspace grazing area.
Note: This applications manual	is not a solar heatin	g design guide. The inclusion of s	solar features meeting the above

definitions does not guarantee correct solar heating performance for a building design. For example, solar features totaling 20% of heated floor area, while allowed by this manual, may be excessive in many applications. Passive solar heating features should be designed using appropriate design tools.