

Appendix A

Advanced Design Suite™ (ADS) Worksheet

Project Information

Project Name _____ Date Received _____
 Project Location _____ Date Design Due _____
 Contact Person _____ Contact Number _____

Design Information

Outdoor design temperature _____

Suspended Floors	
Under-floor insulation R-value	_____

Default Settings/Components***	
Wall R-value	_____
Ceiling R-value	_____
Window R-value	_____
Skylight R-value	_____
Door R-value	_____
Air change/hour	_____

Slab-on-grade Floors	
Water table present	_____
Under-slab R-value	_____
Water table temperature	_____
Edge R-value	_____
Slab depth	_____
Perimeter R-value	_____

Notes

Plan Information

Floor Level _____

Room name	_____	_____	_____	_____	_____	_____	_____	_____
Room temp.	_____	_____	_____	_____	_____	_____	_____	_____
Zone number	_____	_____	_____	_____	_____	_____	_____	_____

Gross floor area	_____	_____	_____	_____	_____	_____	_____	_____
Unheated floor area	_____	_____	_____	_____	_____	_____	_____	_____
Net ceiling area	_____	_____	_____	_____	_____	_____	_____	_____
Average wall height	_____	_____	_____	_____	_____	_____	_____	_____

Floor construction*	_____	_____	_____	_____	_____	_____	_____	_____
Floor type**	_____	_____	_____	_____	_____	_____	_____	_____
Floor covering***	_____	_____	_____	_____	_____	_____	_____	_____
Distance to manifold	_____	_____	_____	_____	_____	_____	_____	_____
Assigned to manifold number	_____	_____	_____	_____	_____	_____	_____	_____

Wall 1 (L x H)	X	X	X	X	X	X	X	X
Wall 2 (L x H)	X	X	X	X	X	X	X	X
Wall 3 (L x H)	X	X	X	X	X	X	X	X
Door 1 (L x W)	X	X	X	X	X	X	X	X
Door 2 (L x W)	X	X	X	X	X	X	X	X
Window 1 (L x W)	X	X	X	X	X	X	X	X
Window 2 (L x W)	X	X	X	X	X	X	X	X
Skylight (L x W)	X	X	X	X	X	X	X	X

***Floor Construction**
 Slab on grade = SO
 Slab below grade = SB
 Suspended over heated = SH
 Suspended over unheated = SU

****Floor Type**
 Concrete slab = C
 Poured underlayment = U
 Single plates = S
 Double plates = D
 Joist (tubing alone) = J
 Joist Trak™ = JT
 Quik Trak® = QT

*****R-values are in Appendix D.**

