

# 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.

