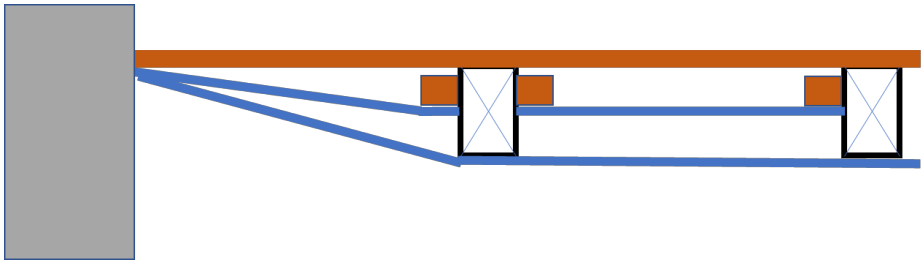
Name	13. FLOOR: Crawl Space (Two Layers)
Date	04-20-2021
Section Schematic	

Layers/R-values

Layer Name	*R-value of Assembly*	*R-value of Quattro Application*	*Notes*
QUATTRO Ultra-Thin Reflective Insulation	1.63	1.63	
4.75” Air Gap	9.318	9.318	(2) 3.5 Air Space @ 50/30 Horiz. Down + 5.5 Air Space @ 50/30 Horiz. Down / 2 ((9.60+8.17)/2+(10.61+8.89)/2)/2
QUATTRO Ultra-Thin Reflective Insulation	1.63	1.63	
4.75” Air Gap	9.318	9.318	(2) 3.5 Air Space @ 50/30 Horiz. Down + 5.5 Air Space @ 50/30 Horiz. Down / 2 ((9.60+8.17)/2+(10.61+8.89)/2)/2
Total	**21.63**	**21.63**	

R-Value of Quattro Application	21.63 [h.ft².F /Btu]
Notes/ Reference	• Inspect crawl space for any needed repairs and to determine whether the floor joists are 16” or 24” o.c. Existing insulation in the joist cavities must be dry prior to installation. • Any water pipes and heating ducts that hang below floor joists will need their own insulation. • Start on one end of the house and staple QUATTRO to the bottom of the floor joists. Run QUATTRO parallel to the floor joists. Seal the overlaps with the aluminum adhesive tape supplied by Aluthermo/Smartech to create a vapor barrier. On all ends of the house, staple up to the sub-floor or band board.