The Mirenda Center for Sport Spirituality and Character Development

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Zachary Heilman Mechanical Option | 2011

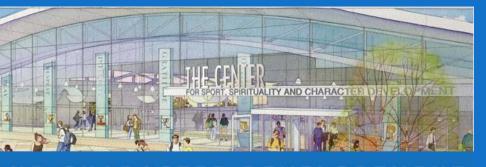
Introduction **Building Function Existing Mechanical System Ground Coupled Heat Pump** Life Cycle Cost Mezzanine Proposal Conclusion



zachary heilman architectural engineering mechanical Presents THE MIRENDA CENTER

ASHRAE Applications

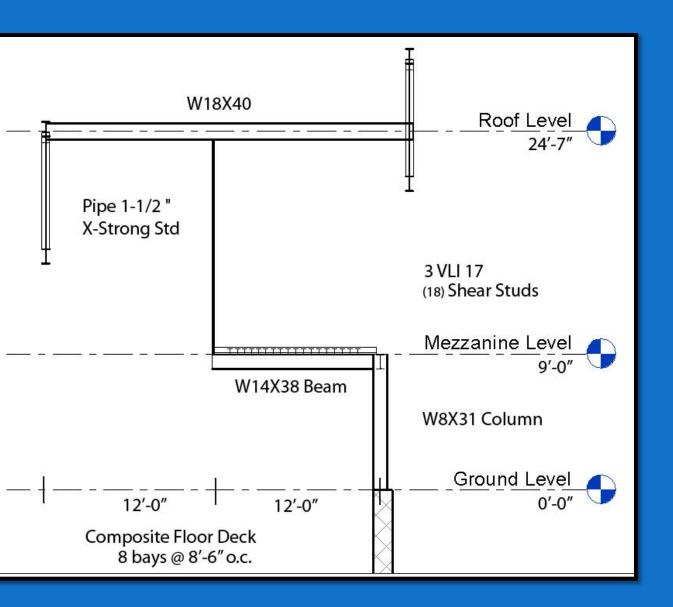
Rg(a,m,d) =		Therm
Wc	=	Input
Wh	=	Input
Tf	=	Fuild
Lc	=	76,43
Lh	=	66,21
Wells Cooling		= 95
Wells Heating		= 82



For Sport, Spirituality, and Character Developement

mal Soil Properties power of Pump for Cooling power of Pump for Cooling Temperatures for Senario 5 ft

Introduction **Building Function Existing Mechanical System** Ground Coupled Heat Pump Life Cycle Cost **Mezzanine** Proposal Conclusion



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Structural Breadth

- Composite Deck with Shear Studs
- Suspended Support Tensile Strength
- Steel Column Bearing Masonry Wall



ties in to Purlin b/n Truss that span 138'