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Valuation

Residential HVAC Worksheet

Manual J / S Summary

NOTE: The load calculation must be calculated on a room basis. Room loads are a mandatory requirement for making Manual D duct sizing calculations. This sheet has been developed for homes built in Utah's dry climates- do not use for other climate conditions.

Design Information

Project	Location
---------	----------

Design Conditions

Htg	Cig	Altitude	ft	
Outside db	°f	°f	Entering wb	°f
Inside db	°f	°f	Assume no higher than 63 °f unless there is ventilation air or significant duct leakage or heat gain	
Design TD	°f	°f	If design conditions used are not those listed in Table 1 / 1A Manual J, please justify.	

Infiltration

Method	Construction quality	# of fireplaces
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Summary

Manual J heat loss	btuh	Heating fan	CFM	Htg design TD	°f
Temp rise range	°f	Latent gain	btuh	Total gain	btuh
Manual J sensible gain	btuh	Cooling fan	CFM		
Calculated SHR		Use SHR to determine cooling CFM / ton			

Heating Equipment

Furnace manufacturer	Model #	AFUE	
Sea level input	btuh	Output	Altitude adjusted output
☐ Multistage	If yes, provide Altitude adjusted lowest output		

If "adjusted output" is greater than 1.4 times the "total heating load", please justify

Cooling Equipment

AC manufacturer	Model #	SEER			
Total capacity	btuh	Sensible capacity	btuh	Latent capacity	btuh
Evaporator coil manufacturer	Model #				

Metering ☐ Multistage ☐ TXV Actual SEER rating w/ selection coil, furnace, & metering

Attach manufacturer's data showing actual cooling capacity and actual SEER using these components

If "cooling capacity" is greater than 1.15 times the "total heating load", please justify

Manual J Checklist

Didier Musso



Manual J Checklist:

PTSD in Children and Adolescents Spencer Eth, 2008-08-13 PTSD is a recently named psychiatric condition that unknown before the publication of DSM III in 1980 The creation of this diagnosis was intensely controversial and there continued to be considerable reluctance to apply the term to children The 1985 landmark volume Posttraumatic Stress Disorder in Children edited by Spencer Eth and Robert Pynoos helped establish the validity of this condition during childhood Now Spencer Eth has edited PTSD in Children and Adolescents a work that brings the field of childhood trauma in to the new century by offering fresh insights on five major topic areas in child and adolescent PTSD Techniques for comprehensive evaluation details recently developed diagnostic instruments and rating scales that measure the variety and severity of traumatic symptoms in children and adolescents Forensic aspects of traumatized children surveys legally pertinent issues including abuse reliability of traumatic memories and credibility of child victims Juvenile offenders and incarcerated youth examines the role of trauma in the lives of juvenile offenders noting that the victimization of delinquents must be specifically addressed in order for an integrated approach to treatment to achieve effective rehabilitation Biological treatment strategies systematically reviews the important role of medications for PTSD in clinical practice including such topics as biological dysregulation target symptoms and the inclusion of drugs into the biopsychosocial treatment plan The relationship between exposure to trauma in childhood and the development of psychiatric disorders in adulthood presents current research on the long term prognosis of traumatized children and adolescents by analyzing the association between early traumatic exposure biological substrates and subsequent symptomatic morbidity Mental health practitioners and trainees as well as attorneys pediatricians and school personnel will find this thoroughly annotated volume an invaluable roadmap in their journey toward understanding PTSD and discovering more effective treatments for traumatized children and adolescents With its eclectic perspective and interdisciplinary format this exceptional reference will also enhance courses in developmental psychology social work and education

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highlighted with incidents such as Flixborough Bhopal Chernobyl Three Mile Island the Phillips 66 incident and Piper Alpha to name but a few The field of Loss Prevention is and continues to be of supreme importance to countless companies municipalities and governments around the world because of the trend for processing plants to become larger and often be situated in or close to densely populated areas thus increasing the hazard of loss of life or property This book is a detailed guidebook to defending against these and many other hazards It could without exaggeration be referred to as the bible for the process industries This is THE standard reference work for chemical and process engineering safety professionals For years it has been the most complete collection of information on the theory practice design elements equipment regulations and laws covering the field of process safety An entire library of alternative books and cross referencing systems would be needed to replace or improve upon it but everything of importance to safety professionals engineers and managers can be found in this all encompassing reference instead Frank Lees world renowned work has been fully revised and expanded by a team of leading chemical and process engineers working under the guidance of one of the world s chief experts in this field Sam Mannan is professor of chemical engineering at Texas A principles practice codes standards data and references needed by those practicing in the field **Monthly Catalog of United States Government Publications** ,2000

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