WORKSHEET G: DUCT RUN			S IN UNCONDITIONED SPACE					
	Duct Load Table		Heating	Cooling	Table 1	99% db	1% db	Grains
		Floor Area (SqFt) >			Values			
Note: If a 7D-AE system serves a main floor area (Fam) and a basement floor area (Fab), the reference floor area equals 0.75 x (FAm + FAb) or Fam (use the largest value)								
Bas	e-case load factors and I	atent heat value from Table 7 (eyebal	ptable)					
	Existing Construction			Improved Construction			onstruction	
	R-Value	Base-C	ase Factors from Table	1	R-Value		Base-C	ase Factors from Table
1		Heat-Loss Factor =					Heat-Loss Factor =	
2	Leakage	Sensible Gain Factor =		-	Leakage		Sensible Gain Factor =	
3		Latent Gain (Btuh) =		J			Latent Gain (Btuh) =	
R-Value Correction (WIF)								
5		For Heat-Loss =					For Heat-Loss =	
6	For Sensible Gain = Adjusted Heat-Loss Factor =				For Sensible Gain = < Line 1 Factor x Line 4 Adjustment >			
7		Adjusted Sensible Gain Factor =			< Line 2 Factor x Line 5 Adjustment >			
Leakage Rate Correction (LCF)								
8		For Heat-Loss =					For Heat-Loss =	
9 10		For Sensible Gain =					For Sensible Gain =	
11		For Latent Gain = Adjusted Heat-Loss Factor =			< Line 6 Factor x Li	ne 8 Adjustment >	For Latent Gain =	
12		Adjusted Sensible Gain Factor =		1	< Line 7 Factor x Li	ne 9 Adjustment >		
13		Adjusted Latent Gain (Btuh) =]	< Line 3 Factor x Li			
Surface Area Adjustment (Default for New Construction = No Adjustment = 1.0)								
14		Installed Supply Area (SqFt) =				Installe	ed Supply Area (SqFt) =	
16		Default Supply Area (SqFt) =				Detai Re = Install	JIT Supply Area (SqFt) =	
17		Installed Return Area (SqFt) =				Install	ed Return Area (SqFt) =	
18		Default Return Area (SqFt) =				Defa	ult Return Area (SqFt) =	
19	R	r = Installed Area / Default Area (SqFt) =				Rr = Installed Area	/ Default Area (SqFt) =	
20	Ks =	Kr =			Ks =		Kr =	
21		SAA (Heating and Sensible Cooling) =			< Ks (L20) x Rs (L16) +	Kr (L20) x Rr (L19) >		
LGA Latent Cooling = < Latent LGA = Rr (L19) >								
	T- 1445	Net Heat Lease Frances	[ו	a Line and Frankrau Li			
23		Net Gereible Osia Factor -		< Line 17 Factor x Line 21 SAA Value >				
24	Io J1AE> Net Sensible Gain Factor =			< Line 12 Factor X Line 21 SAA value >				
25	10 J1AE>	Net Latent Gam =	L	< Line 13 Gain X Line 22 LGA Adjustment >				
WORKSHEET H: ENGINEERED VENTILATION								
Inpu	ıt Data		Heating	Cooling	HTD	СТD	T1 Grains	T10 ACF
		Above Grade Volume (CuFt) >						
Code Value for Outdoor Cfm								
1 Air Changes per hour Specified by the Local Code = or Cfm Required by Local Code =								
2	Largest Above Grade (He	eated or Cooled) Volume =		< See Input Data, Abov	e		•	
3	Outdoor Air Cfm Equivale	ent of Code ACH Value =		< ACH (Line 1) x Volum	e (Line 2) / 60			
4	Code Value for Minimum Amount of Outdoor Air Cfm = <a> < Largest C			< Largest Cfm Value fro	Value from Line 1 or 3			
5	Code Cfm may be provided by any combination of Infiltration Cfm and Engineered Ventilatio			ation Cfm(Yes/No)	_			
6	Code Cfm Shall be Provid	ded by Engineered Ventilation(Yes/No)					
7	Estimated infiltration Cfm	value (Enter Smallest Cfm Value from L	ines 8 & 9 Worksheet I	Ξ)				
8	Code Cfm Requirement		< If Line 5 = Yes; Cfm	= Line 4 - Line 7or	If Line 6 = Yes (Cfm = Lin	e 4 Value)		
Design Value for Engineered Ventilation Cfm								
9	Suggested Ventilation Cfm (Line 14 Worksheet E) =							
10	Practioner-Specified Value for Ventilation (Cfm) = <pre>< To J1AE</pre> See Section 3-13, Manual MJ8AE							
	Note 1: Code Cfm Value is a Mandatory Minimum. The System designer may choose to Use a Larger Value							
Note 2. Use the Unabridged Version of Manual J if the Design Crm Value Exceeds 50 Crm								
INOTE 3: Use the Unabridged Version of Manual J if the Design Features Heat Recovery Equipment								
Eng	ineered Ventilation Load	S	r	1				
11	Heat Loss (Btuh)	To J1AE >		< 1.1 x ACF x Line 10 C	JITT X HID			
12	Sensible Gain (Btuh) Latent Gain (Btuh)	۲٥ J1AE > ۲۵ J1۵F >		< 1.1 x ACF x Line 10 C < 0.68 x ACF x Line 10	Cfm x Grains			