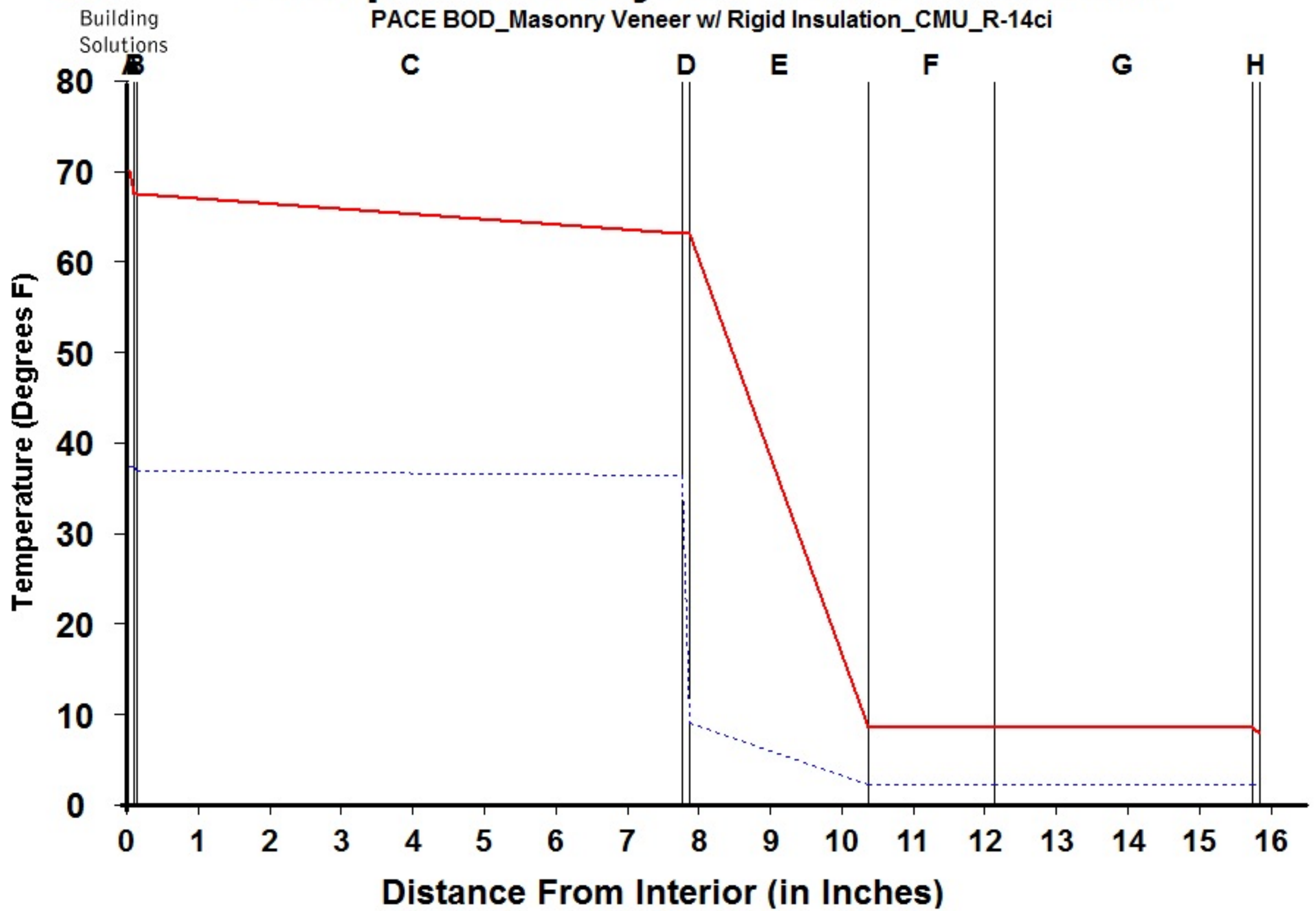




Dewpoint Analysis - Dow Chemical

PACE BOD_Masonry Veneer w/ Rigid Insulation_CMU_R-14ci



Legend	
—	Actual Temperature
- - -	Dewpoint Temperature

Dewpoint Theory predicts condensation in a system at any point where the actual and dewpoint temperature lines cross.

Conditions:		
	Interior	Exterior
Temperature	70.0	7.7
Humidity	30.0	75.0

Component Name					Interface	Temperature Actual	Dewpnt	Accum (oz/day-sqft)
A	Interior Air Film	0.100	0.68	0.001	-A	70.00	37.17	0.000
B	Latex Paint 2 Coat	0.050	0.01	0.500	AB	67.35	37.17	0.000
C	CMU	7.625	1.10	0.400	BC	67.31	36.71	0.000
D	CCW Barritech NP	0.100	0.01	20.000	CD	63.02	36.35	0.000
E	DuPont Cavtymate Ultra	2.500	14.00	2.250	DE	62.98	8.89	0.000
F	Wall Air Space NonRefl	1.750	0.00	0.000	EF	8.36	2.08	0.000
G	Masonry Veneer (vented)	3.625	0.00	0.000	FG	8.36	2.08	0.000
H	Out Air Film Winter	0.100	0.17	0.001	GH	8.36	2.08	0.000
I					HI	7.70	2.08	0.000
J					IJ			
K					JK			
L					KL			
TOTAL					L-			

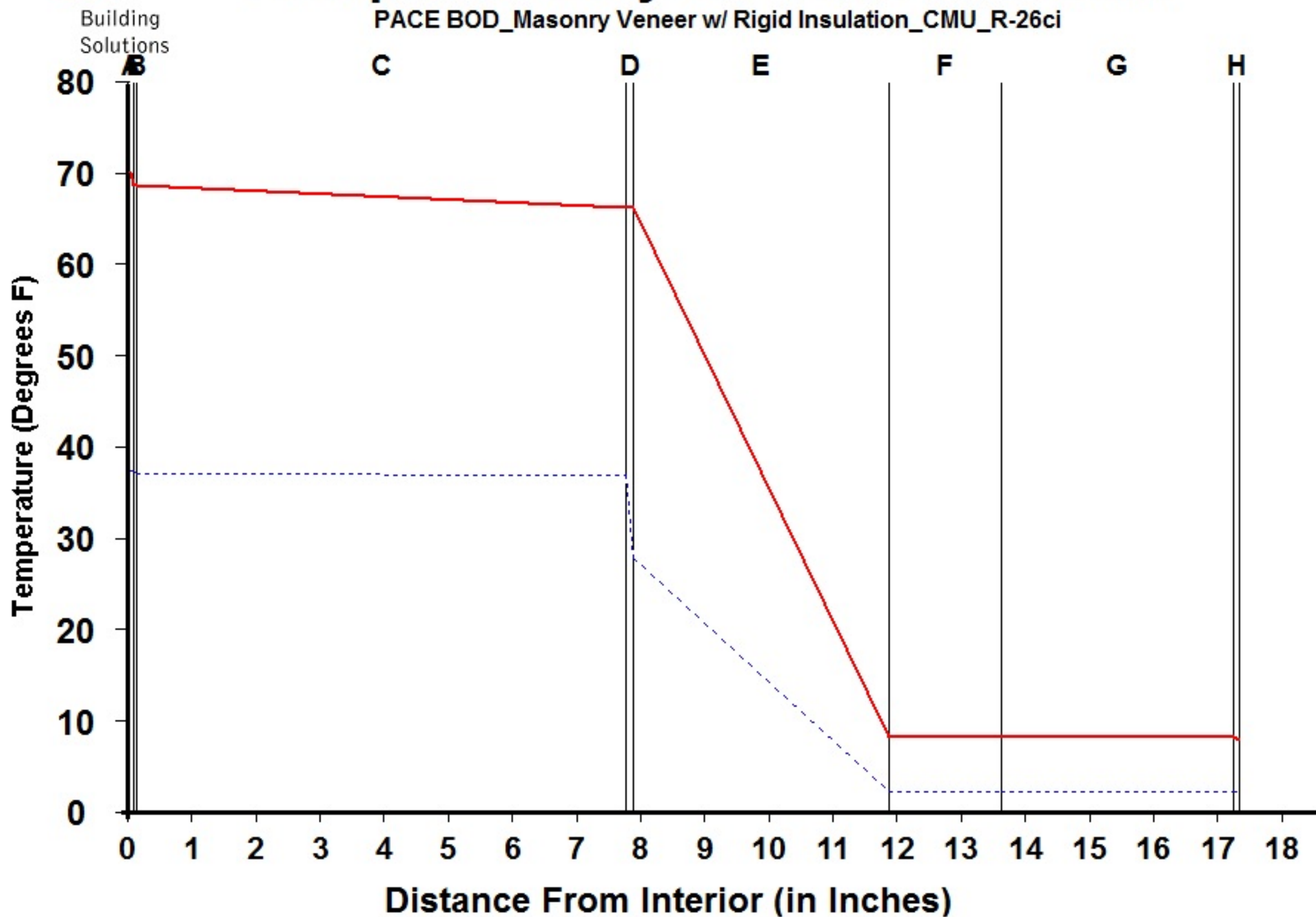
NOTICE: This calculation is based on the theory of Water Vapor Migration presented in the ASHRAE 1993 Fundamentals Handbook. Actual performance may vary depending upon air infiltration, workmanship, and building materials. Since the information is provided without charge, The Dow Chemical Company assumes **no obligation or liability** for its use.

October 24 2023 11:31:30 AM



Dewpoint Analysis - Dow Chemical

PACE BOD_Masonry Veneer w/ Rigid Insulation_CMU_R-26ci



Legend	
—	Actual Temperature
- - -	Dewpoint Temperature

Dewpoint Theory predicts condensation in a system at any point where the actual and dewpoint temperature lines cross.

Conditions:		
	Interior	Exterior
Temperature	70.0	7.7
Humidity	30.0	75.0

						Interface	Temperature		Accum
							Actual	Dewpnt	(oz/day-sqft)
Component Name									
	Thickness	R-Value	Rep						
A	Interior Air Film	0.100	0.68	0.001	→	-A	70.00	37.17	0.000
B	Latex Paint 2 Coat	0.050	0.01	0.500	→	AB	68.49	37.17	0.000
C	CMU	7.625	1.10	0.400	→	BC	68.46	36.96	0.000
D	CCW Barritech NP	0.100	0.01	20.000	→	CD	66.01	36.79	0.000
E	DuPont Thermax Sheathing	4.000	26.00	30.000	→	DE	65.99	27.71	0.000
F	Wall Air Space NonRefl	1.750	0.00	0.000	→	EF	8.08	2.08	0.000
G	Masonry Veneer (vented)	3.625	0.00	0.000	→	FG	8.08	2.08	0.000
H	Out Air Film Winter	0.100	0.17	0.001	→	GH	8.08	2.08	0.000
I					→	HI	7.70	2.08	0.000
J					→	IJ			
K					→	JK			
L					→	KL			
					→	L-			
TOTAL		17.350	27.97	50.902					