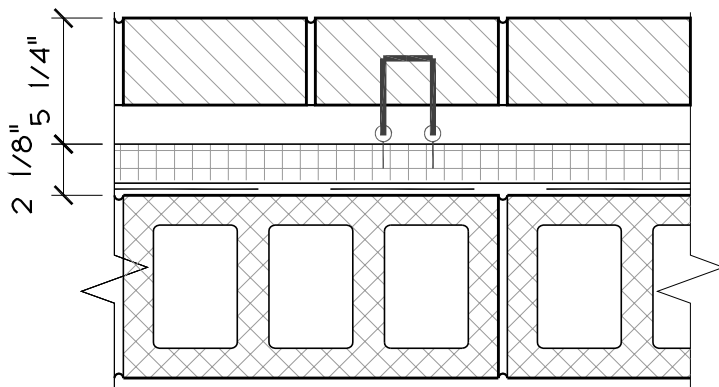
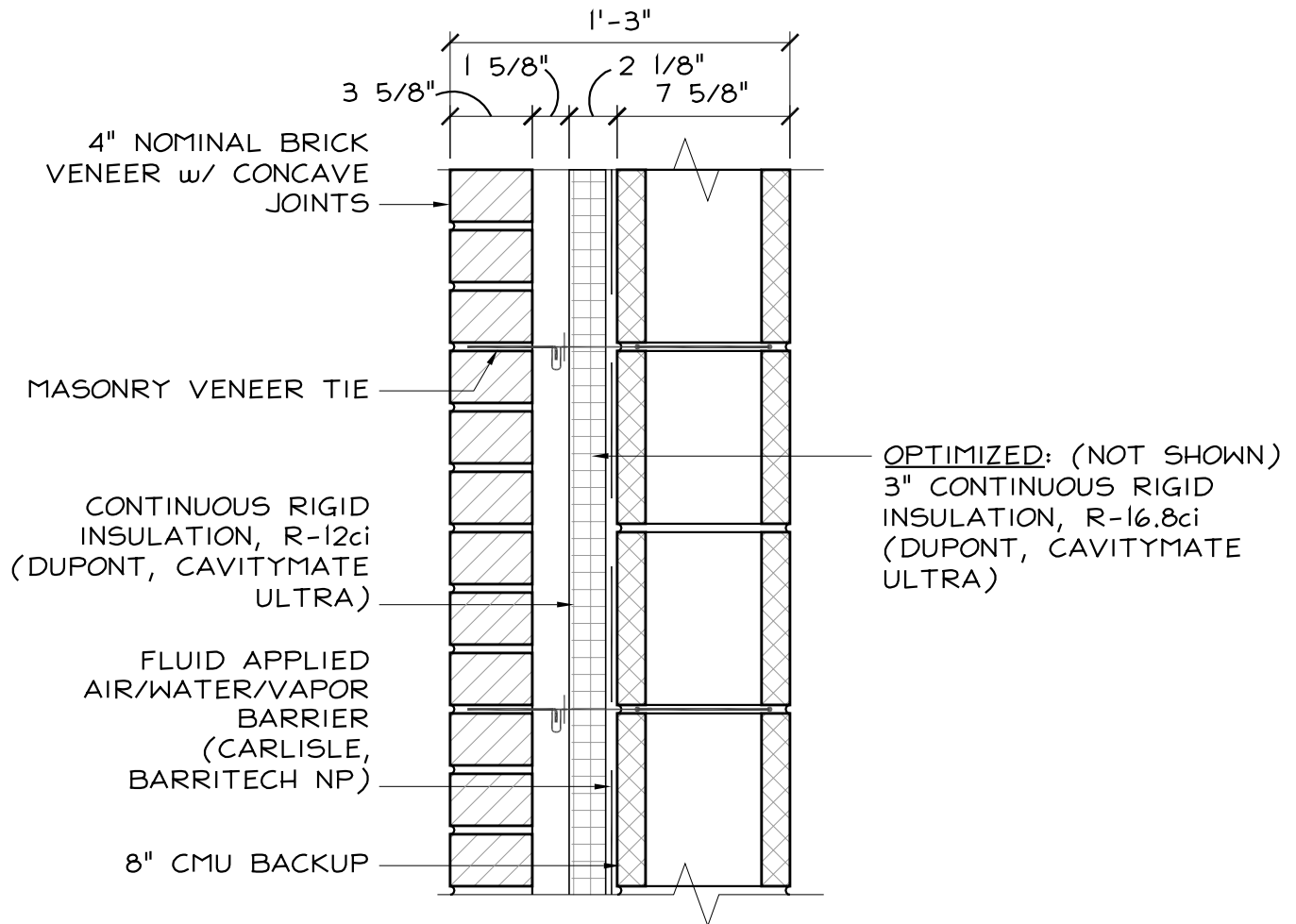




CODE = R-11.4ci | U-0.090

BASE = R-12ci | U-0.071*

OPTIMIZED = R-16.8ci | U-0.053*



NFPA 285 NOTES:

- MAXIMUM 3" STYROFOAM INSULATION THICKNESS
- USE HEADER CONDITIONS AS SHOWN IN MANUFACTURER'S EXTENSION REPORT

MASONRY VENEER w/ CMU

SCALE: 1 1/2" = 1'-0"



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MASONRY VENEER w/ RIGID INSULATION
& CMU BACK-UP
(IECC 2021 - CLIMATE ZONE 5)

Sketch #:

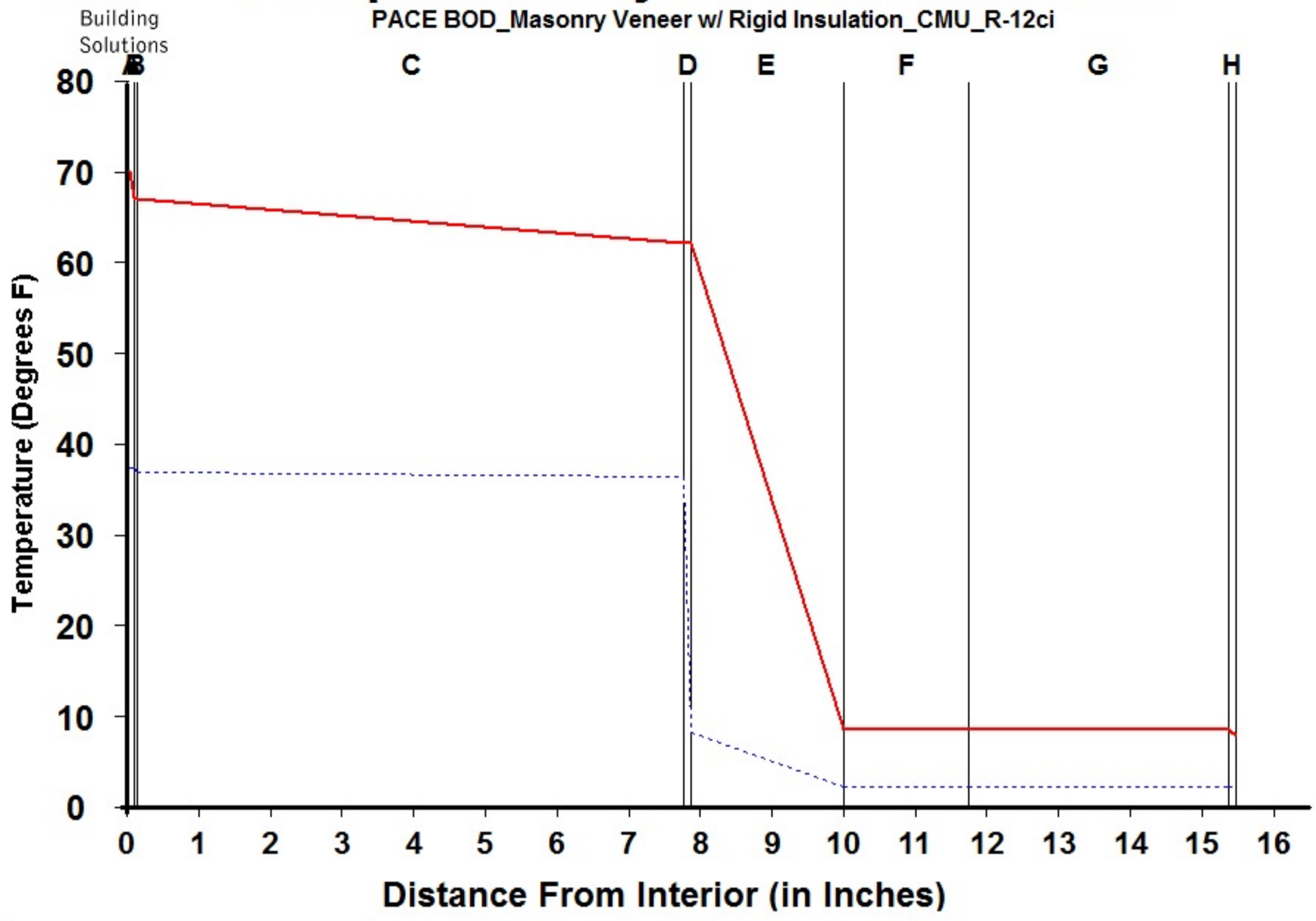
SK-01

Sheet: 1 of 1



Dewpoint Analysis - Dow Chemical

PACE BOD_Masonry Veneer w/ Rigid Insulation_CMU_R-12ci



Legend	
—	Actual Temperature
- - - -	Dewpoint Temperature

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

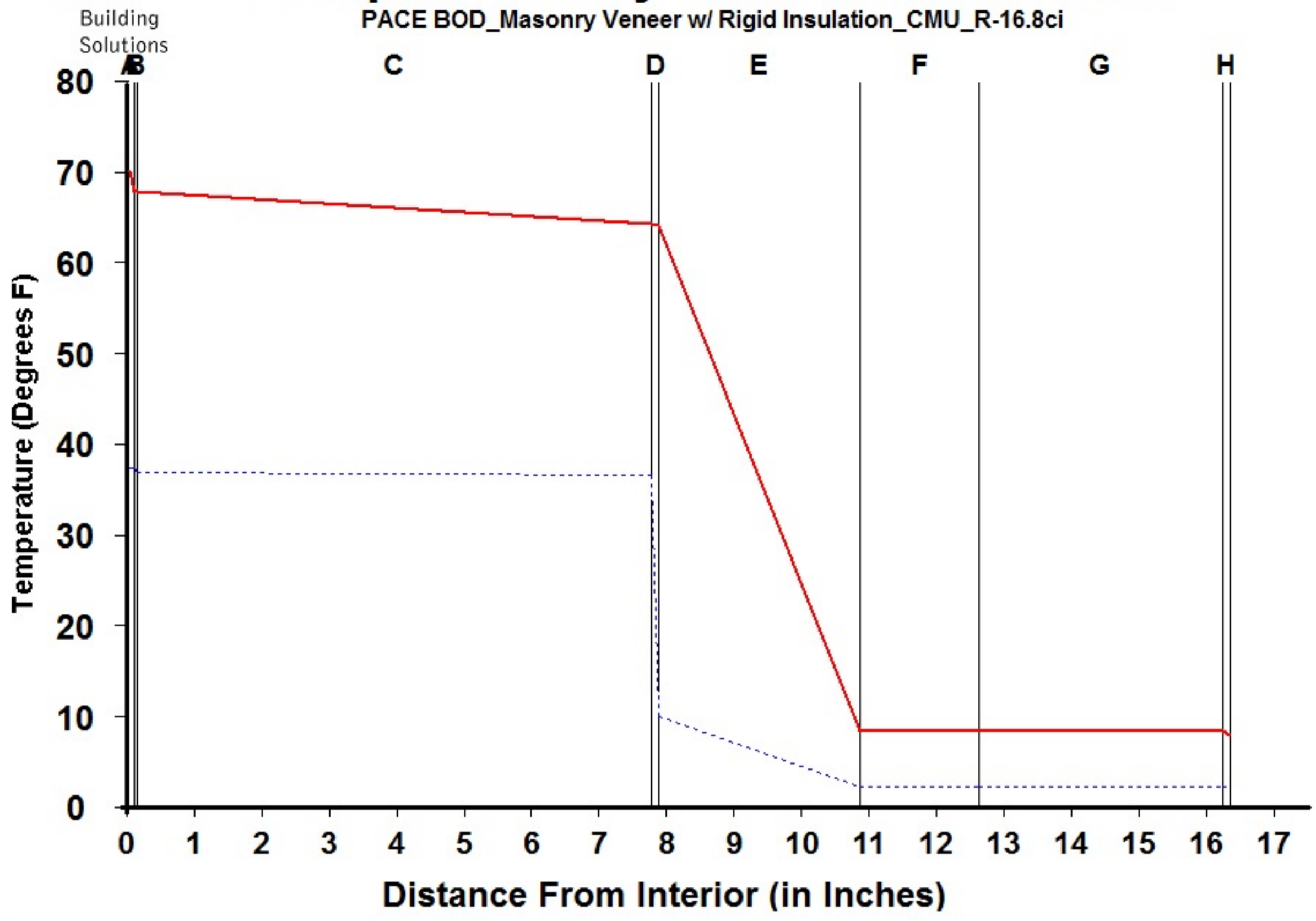
Conditions:		
	Interior	Exterior
Temperature	70.0	7.7
Humidity	30.0	75.0

Component Name	Thickness	R-Value	Rep	Interface	Temperature Actual	Temperature 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	66.97	37.17	0.000
C CMU	7.625	1.10	0.400	BC	66.92	36.70	0.000
D CCW Barritech NP	0.100	0.01	20.000	CD	62.02	36.34	0.000
E DuPont Cavtymate Ultra	2.125	12.00	1.913	DE	61.97	8.07	0.000
F Wall Air Space NonRefl	1.750	0.00	0.000	EF	8.46	2.08	0.000
G Masonry Veneer (vented)	3.625	0.00	0.000	FG	8.46	2.08	0.000
H Out Air Film Winter	0.100	0.17	0.001	GH	8.46	2.08	0.000
				HI	7.70	2.08	0.000
				IJ			
				JK			
				KL			
				L-			
TOTAL	15.475	13.97	22.815				



Dewpoint Analysis - Dow Chemical

PACE BOD_Masonry Vener w/ Rigid Insulation_CMU_R-16.8ci



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	Thickness	R-Value	Rep	Interface	Temperature Actual	Temperature 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	67.74	37.17	0.000
C CMU	7.625	1.10	0.400	BC	67.71	36.72	0.000
D CCW Barritech NP	0.100	0.01	20.000	CD	64.06	36.36	0.000
E DuPont Cavitymate Ultra	3.000	16.80	2.700	DE	64.03	9.89	0.000
F Wall Air Space NonRefl	1.750	0.00	0.000	EF	8.26	2.08	0.000
G Masonry Vener (vented)	3.625	0.00	0.000	FG	8.26	2.08	0.000
H Out Air Film Winter	0.100	0.17	0.001	GH	8.26	2.08	0.000
				HI	7.70	2.08	0.000
				IJ			
				JK			
				KL			
				L-			
TOTAL	16.350	18.77	23.602				