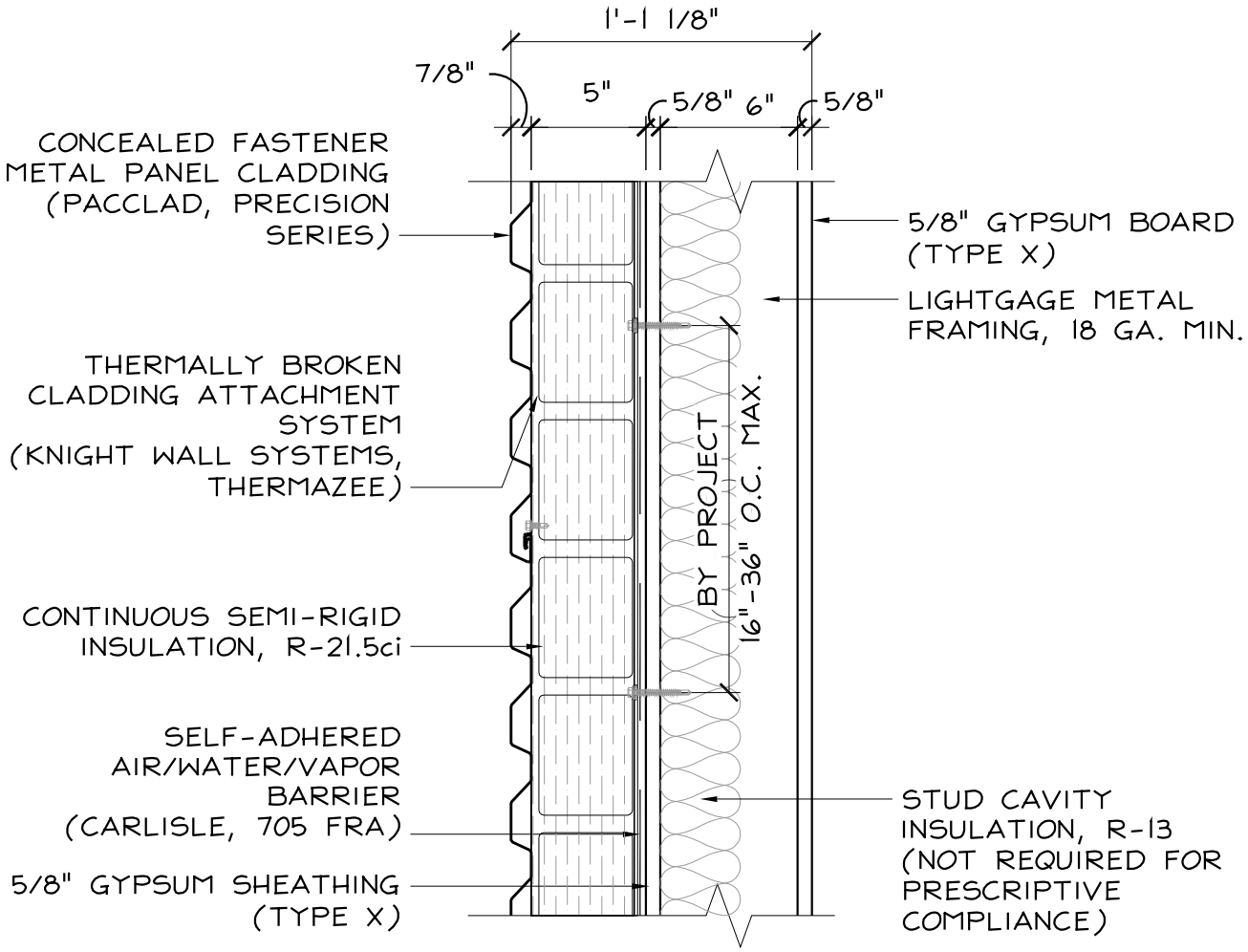
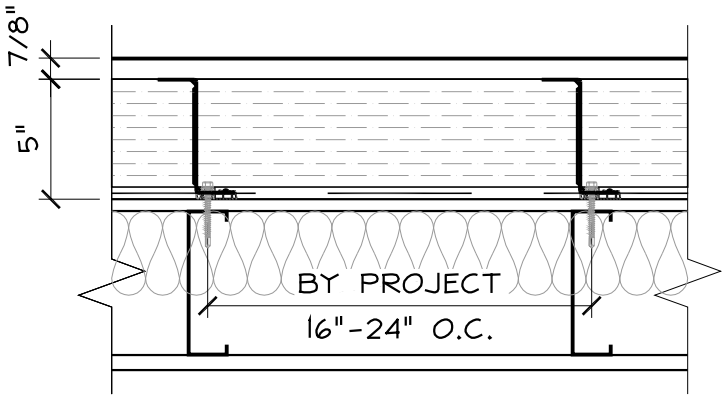
CODE = R-13 + R-10ci | U-0.055	BASE = R-21.5ci | U-0.053*	OPTIMIZED = R-21.5ci + R-13 | U-0.040*





NOTE:
METAL PANEL DEPTH MAY VARY DEPENDING ON PRECISION SERIES PANEL SPECIFIED

METAL PANEL CLADDING w/ METAL STUD

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

PACE
BUILDING ENVELOPE REPRESENTATIVES
One Rockdale Street | Braintree, MA 02184
781-541-5060 | www.pacerepresentatives.com

METAL PANEL CLADDING SYSTEM w/ THERMALLY BROKEN RAINSCREEN ATTCHMENT SYSTEM, SEMI-RIGID CONTINUOUS INSULATION & METAL STUD BACK-UP
(IECC 2021 - CLIMATE ZONE 5)

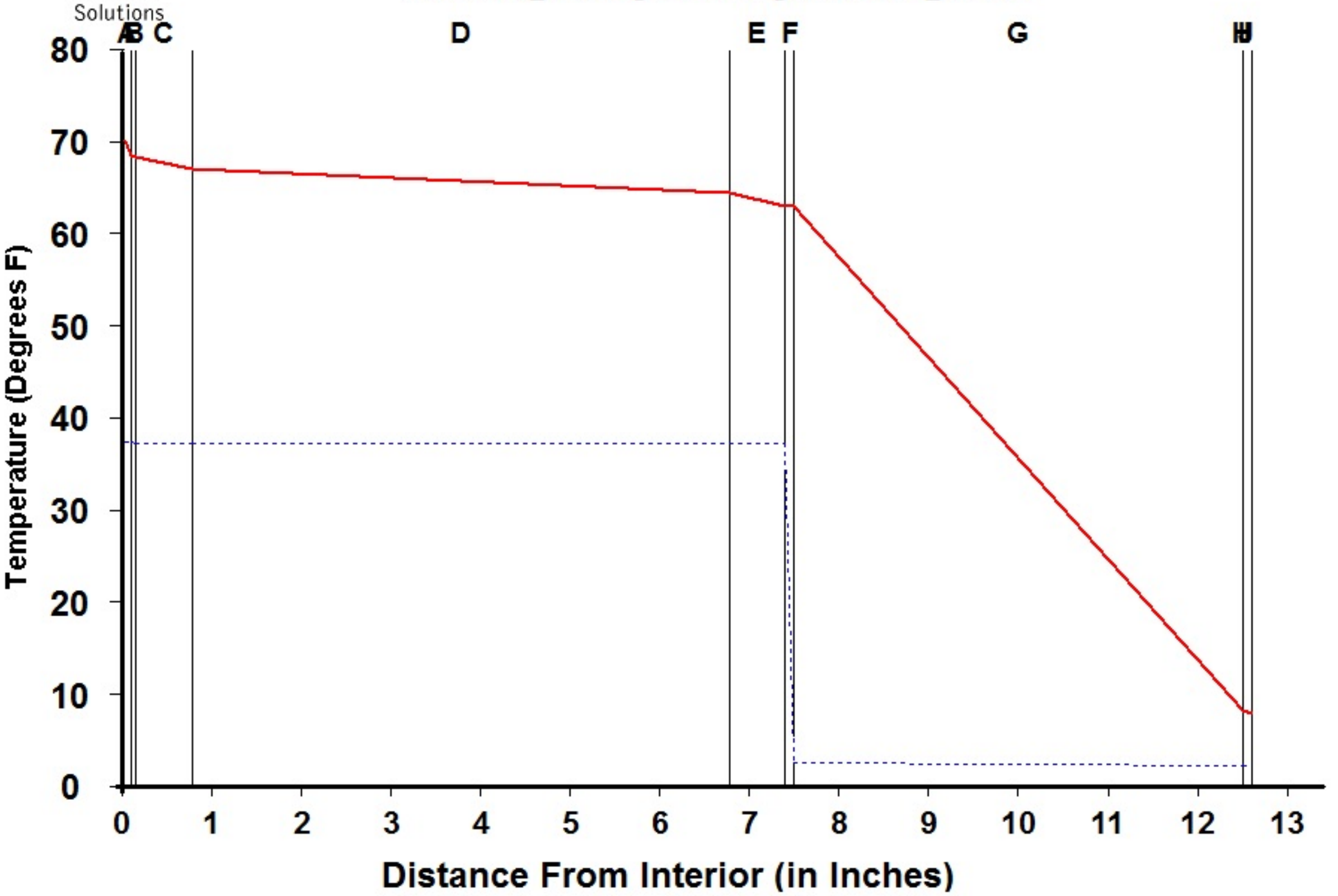
Sketch #:
SK-01
Sheet: 1 of 1

Reference detail. Registered professional in responsible charge to review prior to use | Revised: September 2023
** Assembly U-Factor based on manufacturer's 3D thermal modeling for cladding attachment system and 16" o.c. spacing*

Dewpoint Analysis - Dow Chemical

Building Solutions

PACE BOD_Cladding w/ Semi-Rigid Insulation_R-21.5ci



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
A	Interior Air Film	0.100	0.68	0.001
B	Latex Paint 2 Coat	0.050	0.01	0.500
C	Gypsum Board	0.625	0.56	0.023
D	Wall Air Space NonRefl	6.000	1.01	0.006
E	Gypsum Sheathing	0.625	0.56	0.027
F	CCW 705FRA	0.100	0.01	100.000
G	Mineral Wool (semi-rigid)	5.000	21.50	0.450
H	Wall Air Space NonRefl	0.000	0.00	0.000
I	Ventilated Cladding	0.000	0.00	0.000
J	Out Air Film Winter	0.100	0.17	0.001
K				
L				
	TOTAL	12.600	24.50	101.008

Interface	Temperature Actual	Temperature Dewpnt	Accum (oz/day-sqft)
-A	70.00	37.17	0.000
AB	68.27	37.17	0.000
BC	68.25	37.06	0.000
CD	66.82	37.06	0.000
DE	64.25	37.06	0.000
EF	62.83	37.05	0.000
FG	62.80	2.44	0.000
GH	8.13	2.08	0.000
HI	8.13	2.08	0.000
IJ	8.13	2.08	0.000
JK	7.70	2.08	0.000
KL			
L-			

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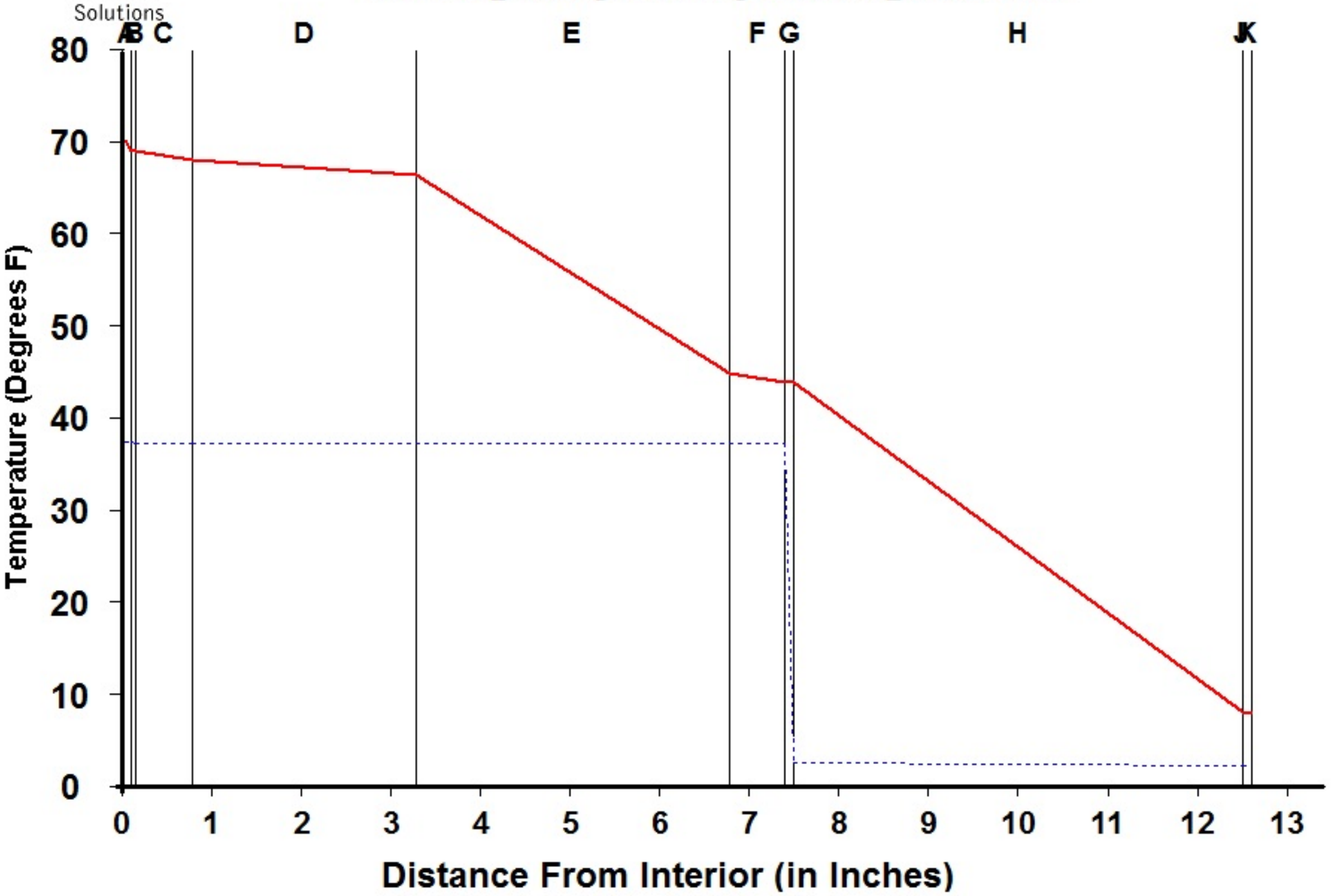
Dewpoint Analysis - Dow Chemical

Building Solutions

PACE BOD_Cladding w/ Semi-Rigid Insulation_R-21.5ci + R-13



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
A	Interior Air Film	0.100	0.68	0.001
B	Latex Paint 2 Coat	0.050	0.01	0.500
C	Gypsum Board	0.625	0.56	0.023
D	Wall Air Space NonRefl	2.500	1.01	0.006
E	Batt Insulation	3.500	13.00	0.010
F	Gypsum Sheathing	0.625	0.56	0.027
G	CCW 705FRA	0.100	0.01	100.000
H	Mineral Wool (semi-rigid)	5.000	21.50	0.450
I	Wall Air Space NonRefl	0.000	0.00	0.000
J	Ventilated Cladding	0.000	0.00	0.000
K	Out Air Film Winter	0.100	0.17	0.001
L				
	TOTAL	12.600	37.50	101.018

Interface	Temperature Actual	Temperature Dewpnt	Accum (oz/day-sqft)
-A	70.00	37.17	0.000
AB	68.87	37.17	0.000
BC	68.85	37.06	0.000
CD	67.92	37.06	0.000
DE	66.25	37.06	0.000
EF	44.65	37.05	0.000
FG	43.72	37.05	0.000
GH	43.70	2.44	0.000
HI	7.98	2.08	0.000
IJ	7.98	2.08	0.000
JK	7.98	2.08	0.000
KL	7.70	2.08	0.000
L-			

September 6 2023 4:17:02 PM