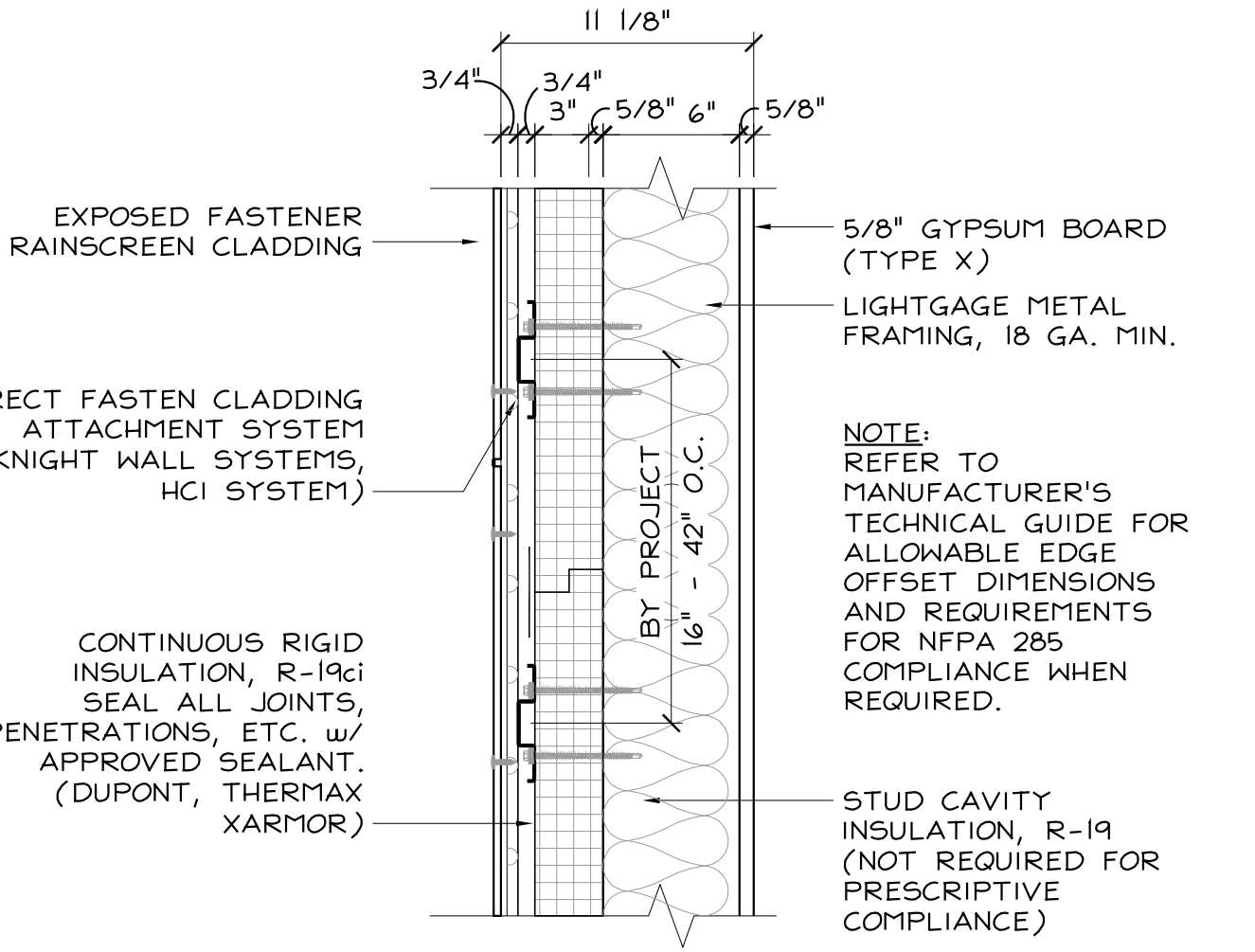
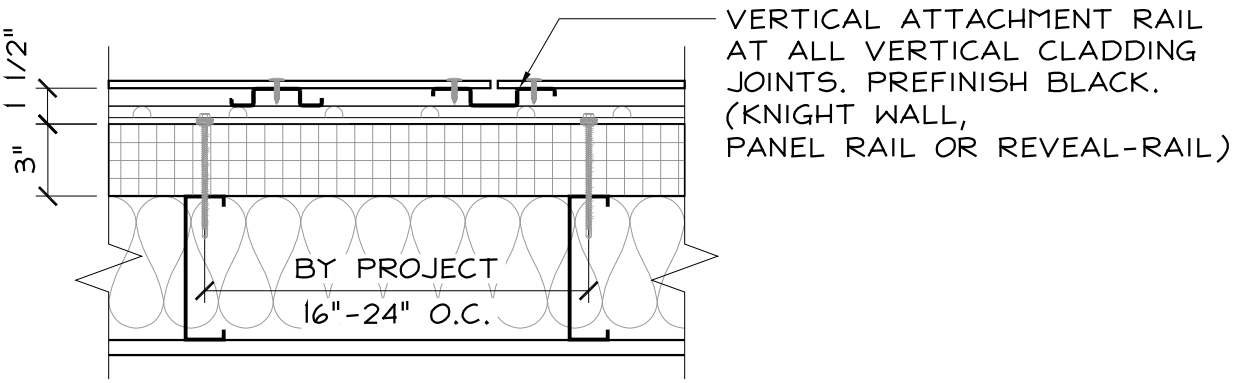
CODE = R-13 + R-10ci | U-0.055	BASE = R-19ci | U-0.051*	OPTIMIZED = R-19ci + R-19 | U-0.037*





FIBER CEMENT 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

EXPOSED FASTENER CLADDING SYSTEM w/ THERMALLY BROKEN RAINSCREEN ATTCHMENT SYSTEM, THERMAX WALL SYSTEM & METAL STUD BACK-UP
(IECC 2021 + MA STRETCH ENERGY CODE)

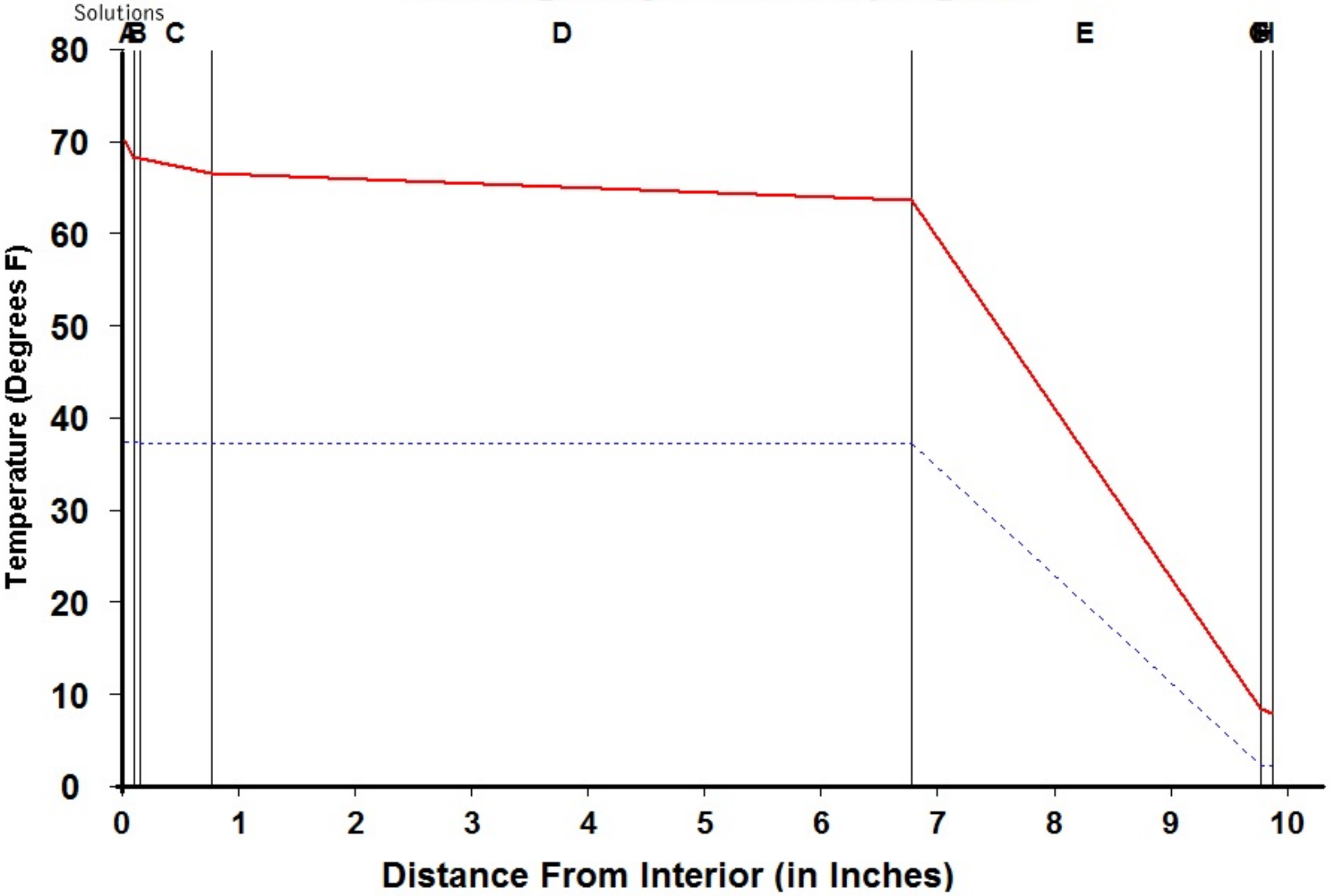
Sketch #:
SK-01
Sheet: 1 of 1

Reference detail. Registered professional in responsible charge to review prior to use | Revised: September 2023
** Assembly U-Factor thermal derating based on manufacturer's 3D thermal modeling for cladding attachment system and 24" o.c. girt spacing and 16" o.c. fastener spacing*

Dewpoint Analysis - Dow Chemical

Building Solutions

PACE BOD_Cladding w/ Thermax Wall System_R-19ci



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	DuPont Thermax XArmor	3.000	19.00	500.000
F	Wall Air Space NonRefl	0.000	0.00	0.000
G	Ventilated Cladding	0.000	0.00	0.000
H	Out Air Film Winter	0.100	0.17	0.001
I				
J				
K				
L				
	TOTAL	9.875	21.43	500.531

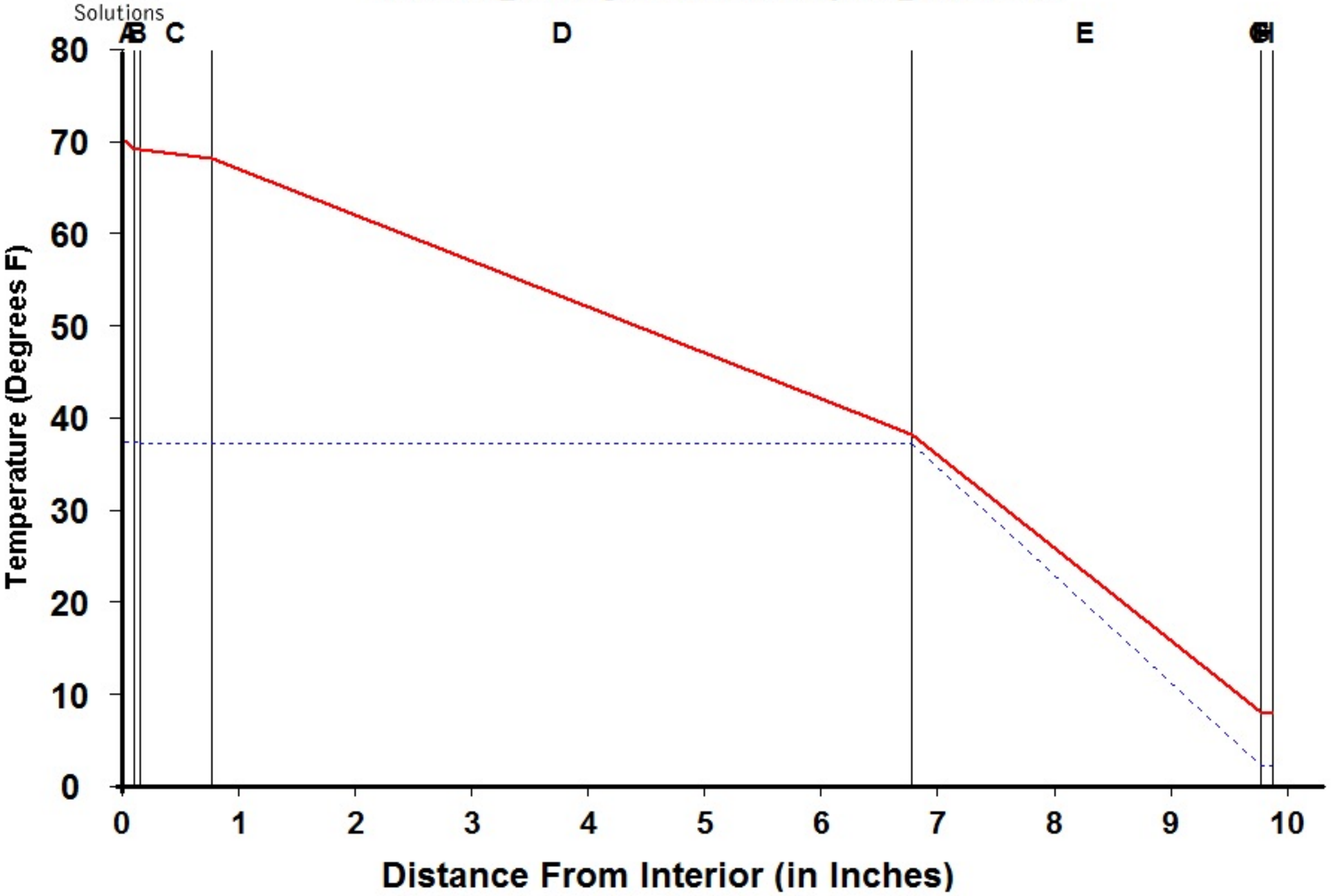
Interface	Temperature Actual	Temperature Dewpnt	Accum (oz/day-sqft)
-A	70.00	37.17	0.000
AB	68.02	37.17	0.000
BC	67.99	37.15	0.000
CD	66.37	37.14	0.000
DE	63.43	37.14	0.000
EF	8.19	2.08	0.000
FG	8.19	2.08	0.000
GH	8.19	2.08	0.000
HI	7.70	2.08	0.000
IJ			
JK			
KL			
L-			

September 18 2023 6:04:17 PM

Dewpoint Analysis - Dow Chemical

Building Solutions

PACE BOD_Cladding w/ Thermax Wall System_R-19ci + R-19



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	Batt Insulation	6.000	19.00	0.010
E	DuPont Thermax XArmor	3.000	19.00	500.000
F	Wall Air Space NonRefl	0.000	0.00	0.000
G	Ventilated Cladding	0.000	0.00	0.000
H	Out Air Film Winter	0.100	0.17	0.001
I				
J				
K				
L				
	TOTAL	9.875	39.42	500.535

Interface	Temperature Actual	Temperature Dewpnt	Accum (oz/day-sqft)
-A	70.00	37.17	0.000
AB	68.93	37.17	0.000
BC	68.91	37.15	0.000
CD	68.02	37.14	0.000
DE	38.00	37.14	0.000
EF	7.97	2.08	0.000
FG	7.97	2.08	0.000
GH	7.97	2.08	0.000
HI	7.70	2.08	0.000
IJ			
JK			
KL			
L-			

September 18 2023 6:03:27 PM