

TR34 (4th edition) Free Movement Floor Tolerance Report

Allen Face Europe TR34 Analysis, ©Allen Face Europe, www.allenface-europe.com

1. Project Name:

인천 도화 물류센터

Project Location:

-

2. Concrete Floor Installer:

인천시  
HEB

3. Testing Organization:

ALLEN FACE KOREA

5. Floor Tolerance Requirements:

4.

Slab ID:

지상5층 #2

Date of Pouring:

#REF!

Date of Testing:

2024-03-12

Test Apparatus:

D-Meter® Manufactured by Allen Face&Company, Serial Number: 448

Testing Technician:

최동현 (ALLEN FACE KOREA)

Test Area:

303 m<sup>2</sup> (for test area organization see attached drawing)

TR34 FREE MOVEMENT FLOOR TOLERANCES		
Floor Classification	Property F (mm)	Property E (mm)
	95% limit	95% limit
FM1	1.8	4.5
FM2	2.0	6.5
FM3	2.2	8.0
FM4	2.4	10.0

TR34 4th Edition Convert into FF/FL number 값				
4th Edition	95%		F number	
등급	Property F mm(±)	Property E mm(±)	FF	FL
FM1	1.8	4.5	42.9	46.6
FM2	2.0	6.5	38.6	32.3
FM3	2.2	8.0	35.1	26.2
FM4	2.4	10.0	32.2	21.0
Any point on the Property E survey grid is outside the ±15mm of datum				

6. Analysis:

TR34 FREE MOVEMENT RESULTS																		
Run #:		7	8	9	10	11	12											All Runs:
Run Length (m):		9.90	9.90	9.90	9.90	9.90	9.90											59.40
FM1	Property F (95%)	NO	YES	YES	NO	NO	YES											NO
	% Defective	16.13%	0.00%	3.23%	12.90%	19.35%	0.00%											8.60%
	Property E (95%)	NO	NO	NO	NO	NO	NO											NO
FM2	% Defective	43.48%	21.74%	21.74%	13.04%	56.52%	30.43%											31.16%
	Property F (95%)	NO	YES	YES	NO	NO	YES											NO
	% Defective	6.45%	0.00%	3.23%	6.45%	16.13%	0.00%											5.38%
FM3	Property E (95%)	NO	NO	NO	YES	NO	YES											NO
	% Defective	34.78%	8.70%	8.70%	0.00%	39.13%	0.00%											15.22%
	Property F (95%)	YES	YES	YES	NO	NO	YES											YES
FM4	% Defective	0.00%	0.00%	3.23%	6.45%	6.45%	0.00%											3.76%
	Property E (95%)	NO	YES	YES	YES	NO	YES											NO
	% Defective	21.74%	0.00%	4.35%	0.00%	21.74%	0.00%											7.97%
FM4	Property F (95%)	YES	YES	YES	NO	NO	YES											YES
	% Defective	0.00%	0.00%	3.23%	6.45%	6.45%	0.00%											2.69%
	Property E (95%)	YES	YES	YES	YES	YES	YES											YES
FM4	% Defective	0.00%	0.00%	0.00%	0.00%	4.35%	0.00%											0.72%

7. Summary: The analysed D-Meter® Runs satisfy the FM4 floor tolerance requirements.

최동현 (ALLEN FACE KOREA)

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Project Location:

인천 도화 물류센터  
-  
인천시  
HEB
2. Concrete Floor Installer:

ALLEN FACE KOREA
3. Testing Organization:

ALLEN FACE KOREA
4. Slab ID:  
Date of Pouring:  
Date of Testing:  
Test Apparatus:  
Testing Technician:  
Test Area:

지상5층 #2  
#REF!  
2024-03-12  
D-Meter® Manufactured by Allen Face&Company, Serial Number: 448  
최동현 (ALLEN FACE KOREA)  
303 m<sup>2</sup> (for test area organization see attached drawing)
5. Floor Tolerance Requirements:

TR34 FREE MOVEMENT FLOOR TOLERANCES		
Floor Classification	Property F (mm)	Property E (mm)
	100% limit	100% limit
FM1	4.0	15.0
FM2	4.5	15.0
FM3	5.5	15.0
FM4	7.5	15.0

Any point on the Property E survey grid is outside the ±15mm of datum

6. Analysis:

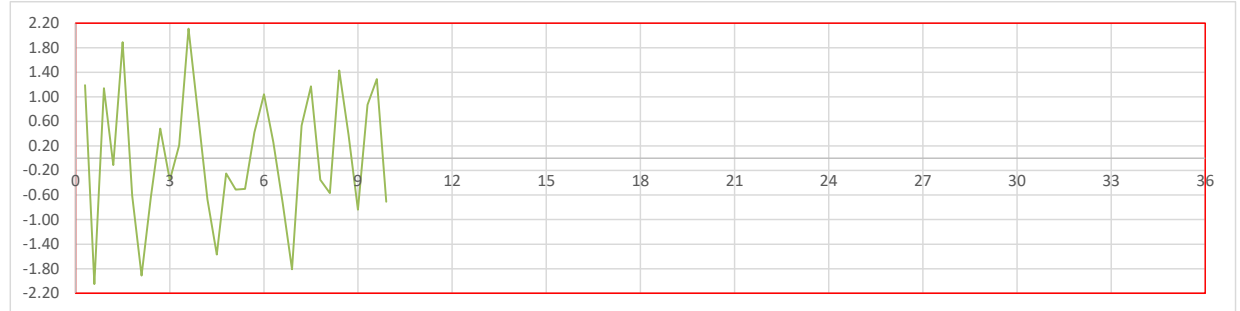
TR34 FREE MOVEMENT RESULTS																			
Run #:		7	8	9	10	11	12												All Runs:
Run Length (m):		9.90	9.90	9.90	9.90	9.90	9.90												59.40
FM1	Property F (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
	Property E (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
FM2	Property F (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
	Property E (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
FM3	Property F (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
	Property E (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
FM4	Property F (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
	Property E (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%

7. Summary:
- The analysed D-Meter® Runs satisfy the
- FM1
- floor tolerance requirements.

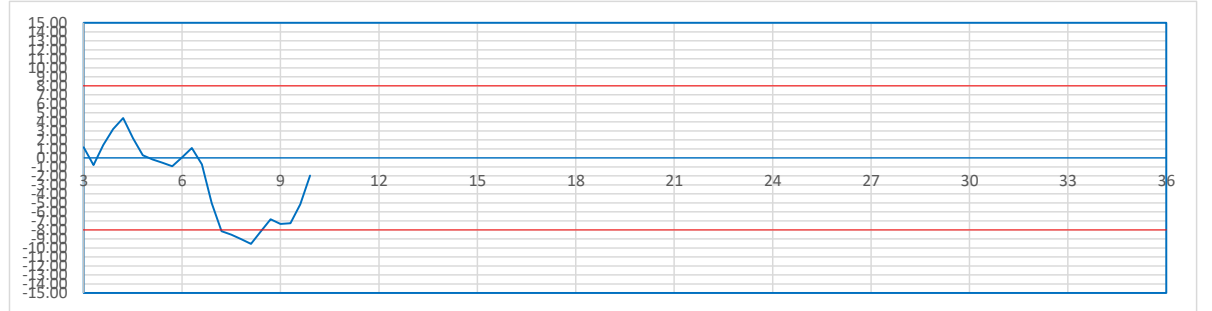
최동현 (ALLEN FACE KOREA)

Run #: 7

Property F

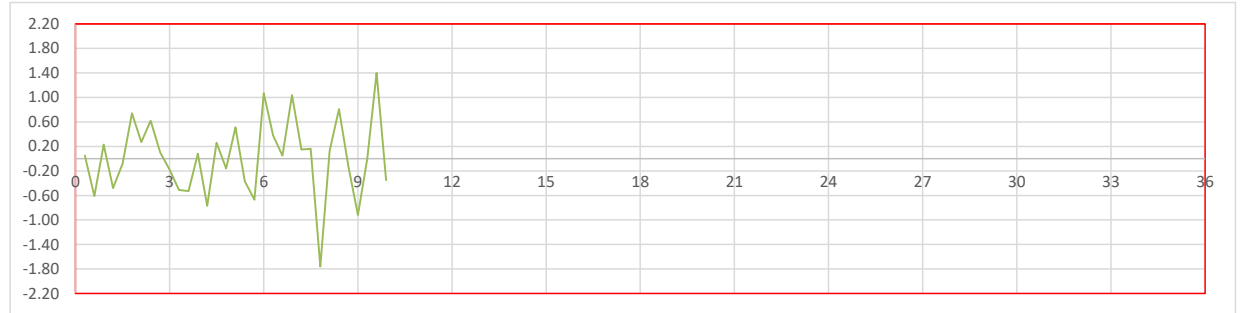


Property E

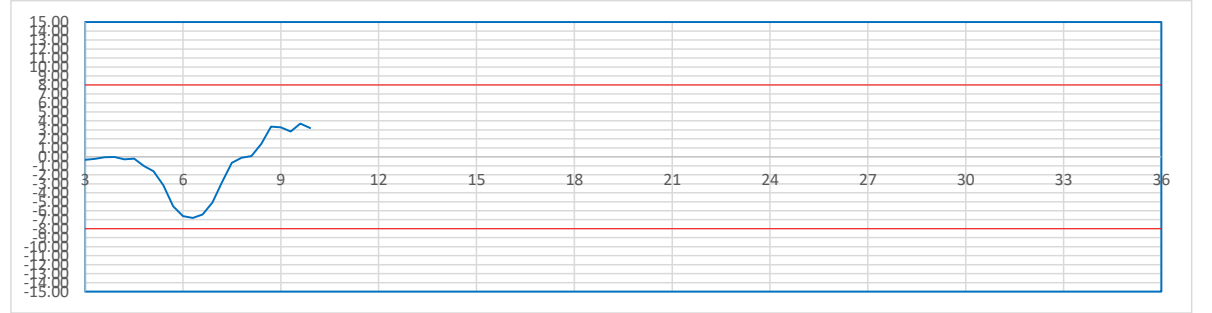


Run #: 8

Property F

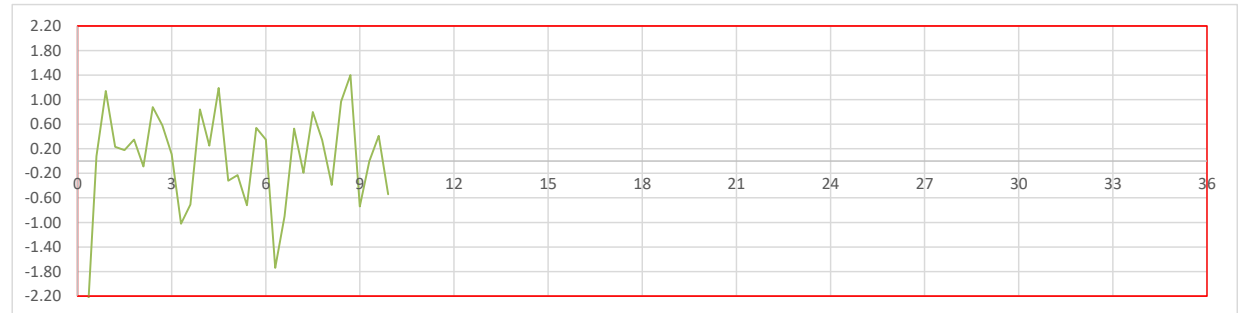


Property E

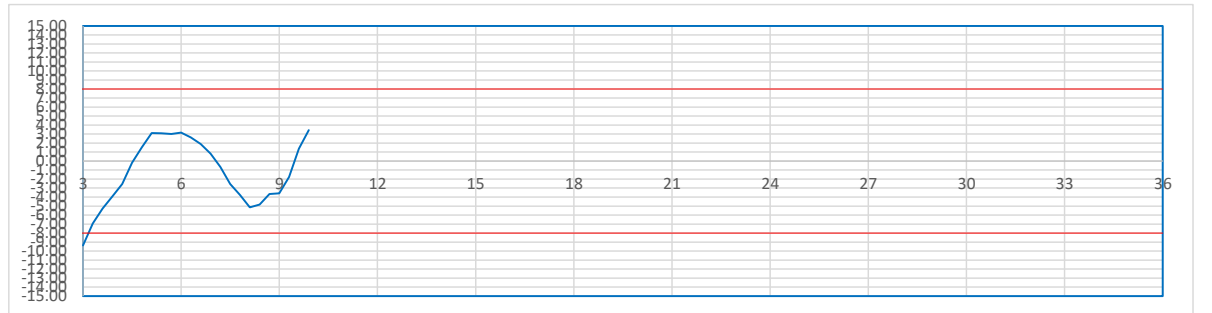


Run #: 9

Property F

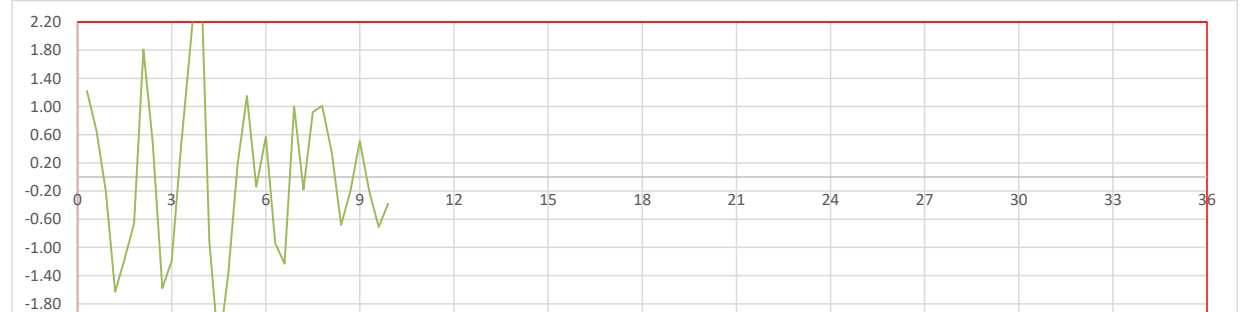


Property E

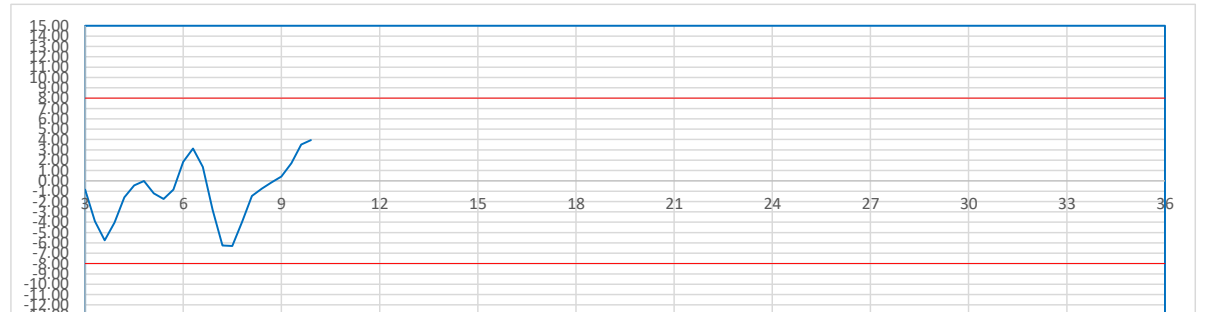


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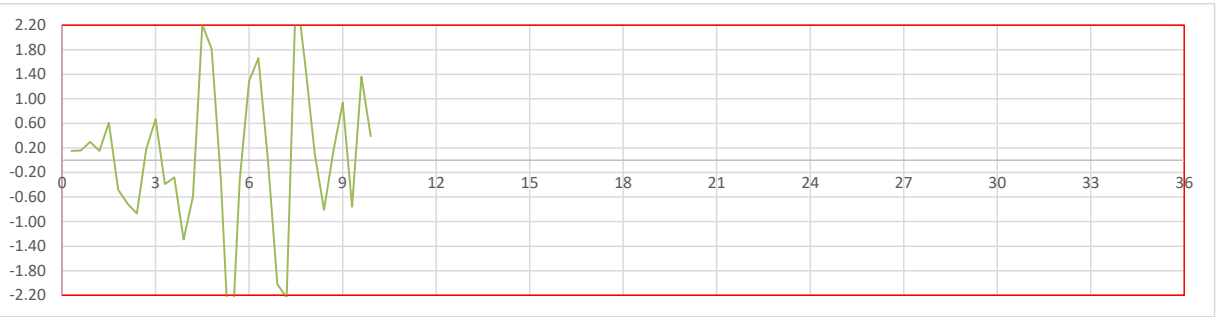
Property F



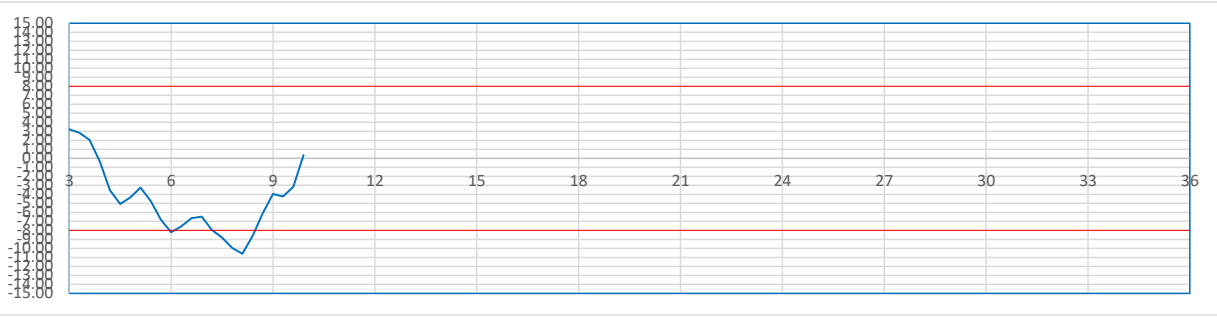
Property E



Run #: 11  
Property F

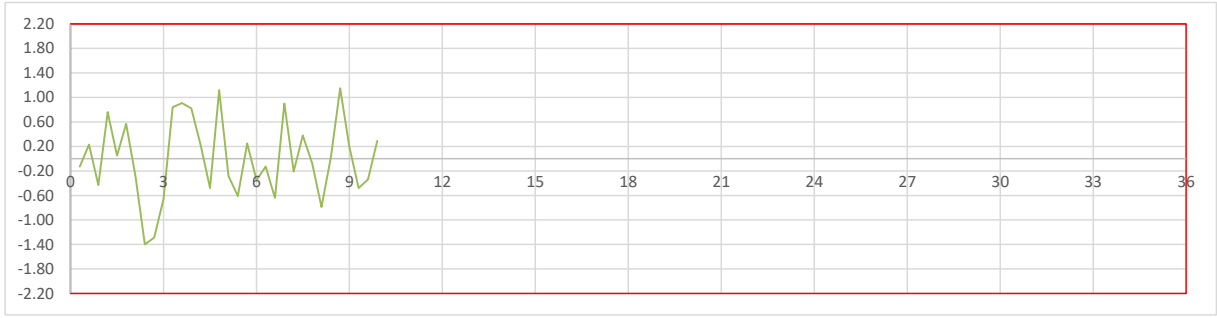


Property E

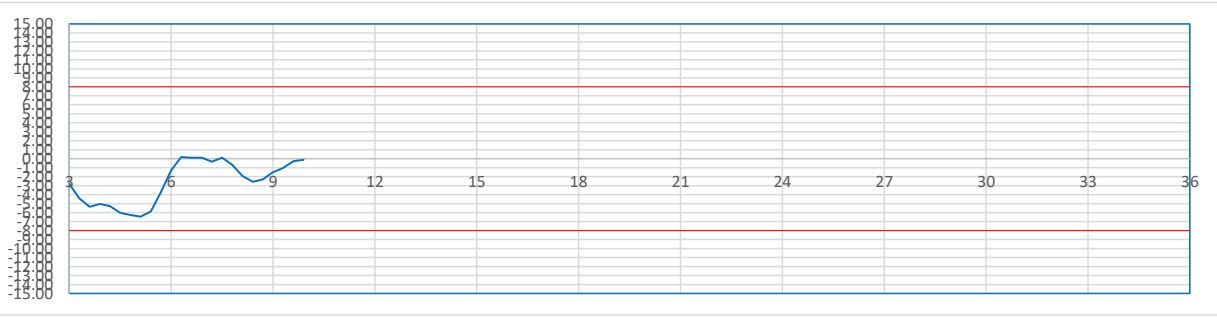


11

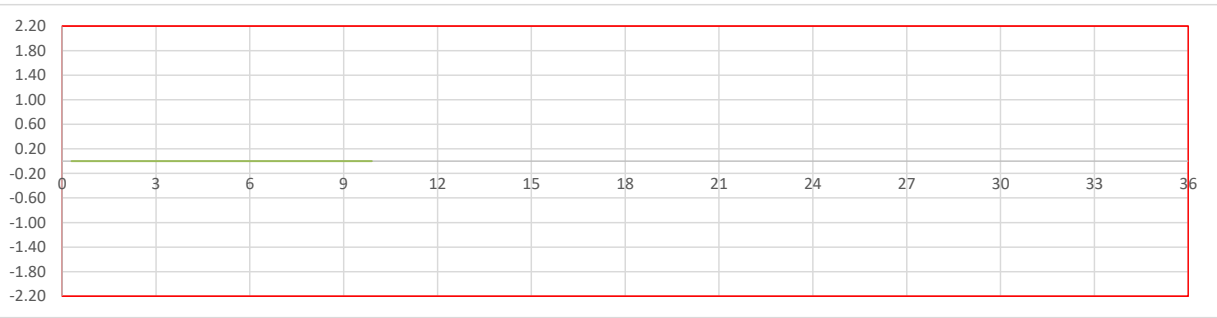
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Property F



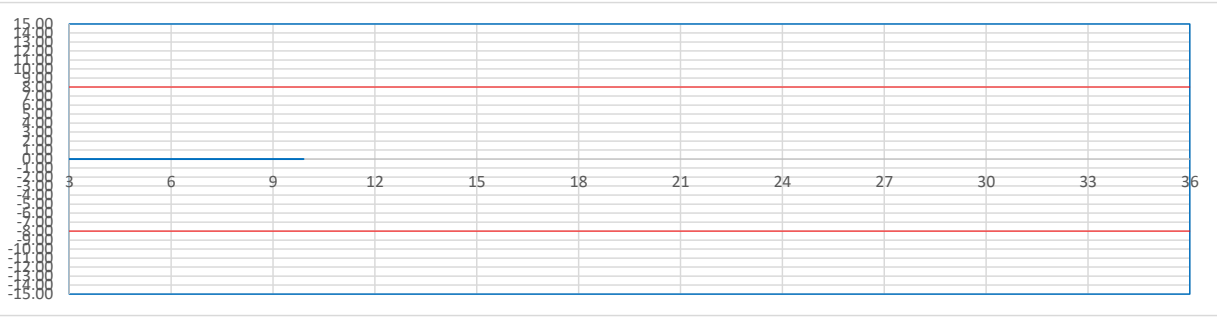
Property E



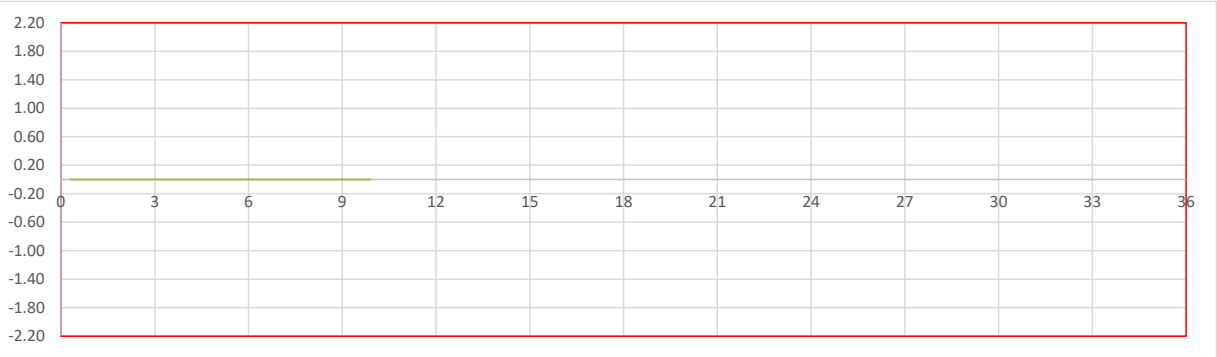
Run #: 0  
Property F



Property E



Run #: 0  
Property F



Property E

