

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:

지상4층 #15
- 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:

398 m² (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 #:		19	20	21	22	23	24												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	NO	NO	NO	NO												NO
	% Defective	16.13%	3.23%	19.35%	6.45%	16.13%	6.45%												11.29%
	Property E (95%)	NO	NO	NO	NO	NO	NO												NO
FM2	% Defective	21.74%	8.70%	60.87%	52.17%	43.48%	56.52%												40.58%
	Property F (95%)	NO	YES	NO	NO	YES	NO												NO
	% Defective	12.90%	0.00%	19.35%	6.45%	3.23%	6.45%												8.06%
FM3	Property E (95%)	YES	YES	NO	NO	NO	NO												NO
	% Defective	4.35%	0.00%	34.78%	39.13%	26.09%	34.78%												23.19%
	Property F (95%)	NO	YES	NO	YES	YES	NO												YES
FM4	% Defective	9.68%	0.00%	6.45%	3.23%	0.00%	6.45%												4.30%
	Property E (95%)	YES	YES	NO	NO	NO	NO												NO
	% Defective	0.00%	0.00%	34.78%	21.74%	21.74%	8.70%												14.49%
FM4	Property F (95%)	NO	YES	YES	YES	YES	NO												YES
	% Defective	6.45%	0.00%	3.23%	3.23%	0.00%	6.45%												3.23%
	Property E (95%)	YES	YES	NO	YES	NO	YES												YES
	% Defective	0.00%	0.00%	8.70%	4.35%	13.04%	0.00%												4.35%

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
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3. Testing Organization:

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Date of Pouring:
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Test Apparatus:
Testing Technician:
Test Area:

지상4층 #15
#REF!
2024-03-12
D-Meter® Manufactured by Allen Face&Company, Serial Number: 448
최동현 (ALLEN FACE KOREA)
398 m² (for test area organization see attached drawing)

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:

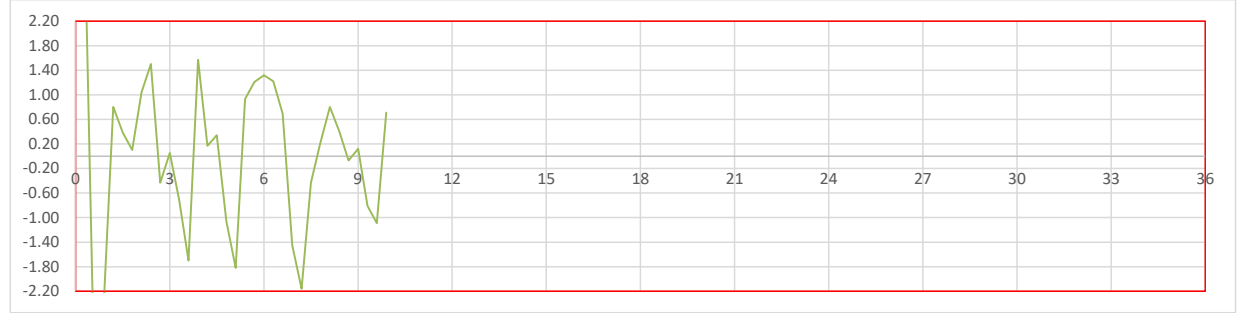
TR34 FREE MOVEMENT RESULTS																			
Run #:		19	20	21	22	23	24												All Runs:
Run Length (m):		9.90	9.90	9.90	9.90	9.90	9.90												59.40
FM1	Property F (100%)	YES	YES	YES	YES	YES	NO												NO
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	6.45%												1.08%
	Property E (100%)	YES	YES	YES	YES	YES	YES												YES
FM2	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
	Property F (100%)	YES	YES	YES	YES	YES	NO												NO
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	6.45%												1.08%
FM3	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%
	Property F (100%)	YES	YES	YES	YES	YES	YES												YES
FM4	% 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
- FM3
- floor tolerance requirements.

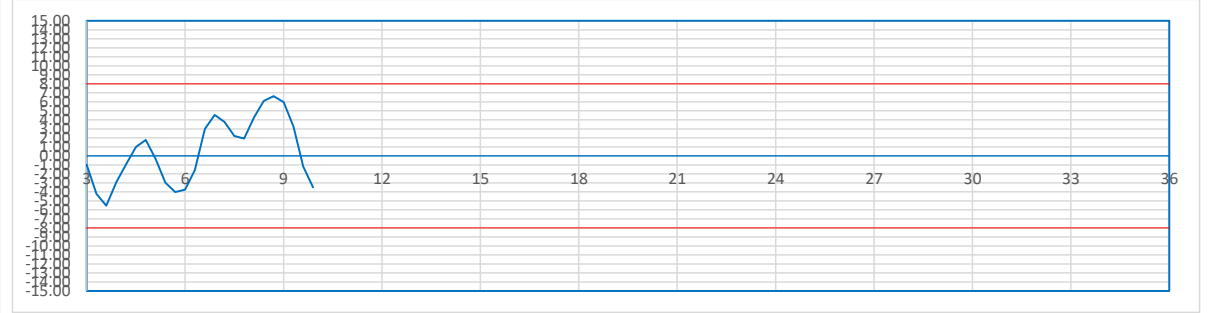
최동현 (ALLEN FACE KOREA)

Run #: 19

Property F

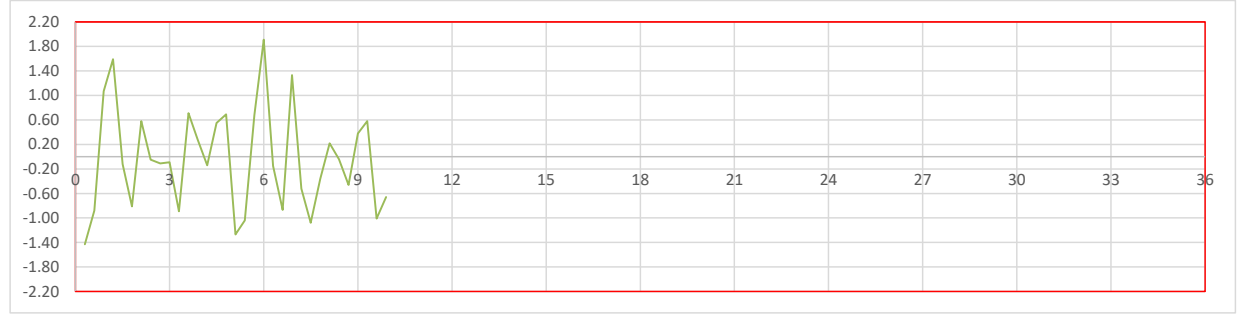


Property E

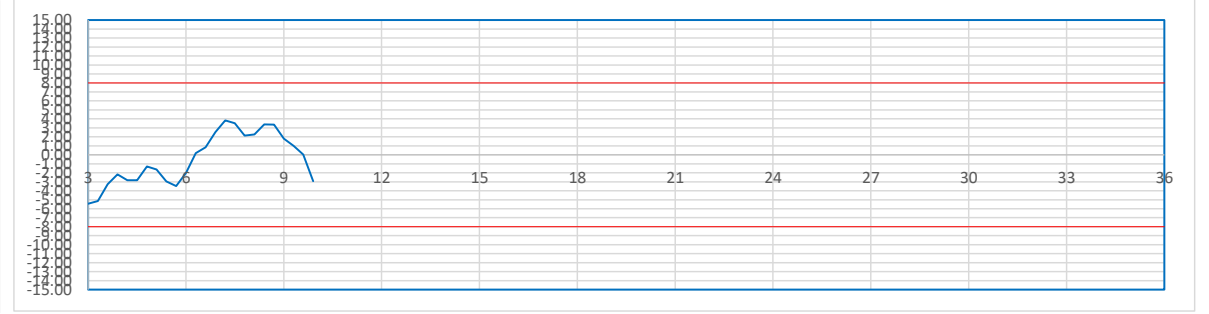


Run #: 20

Property F

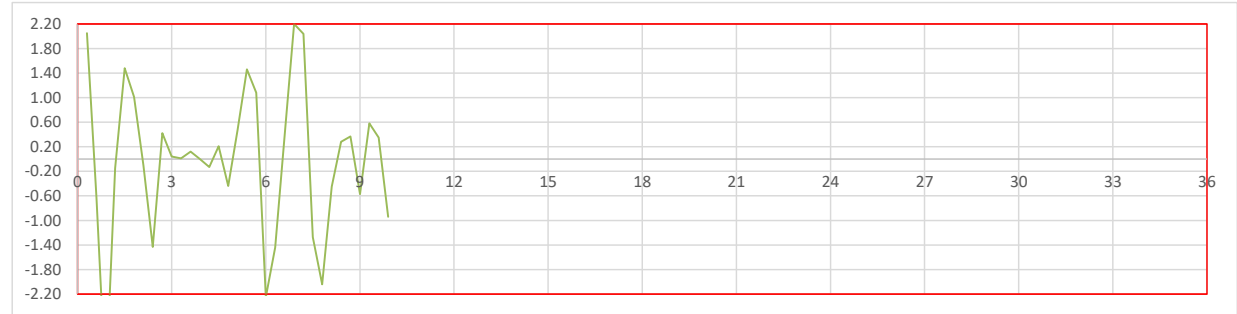


Property E

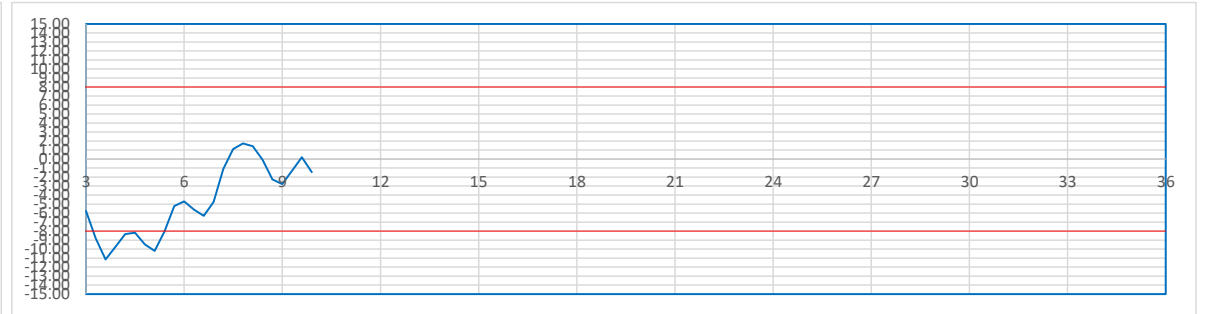


Run #: 21

Property F

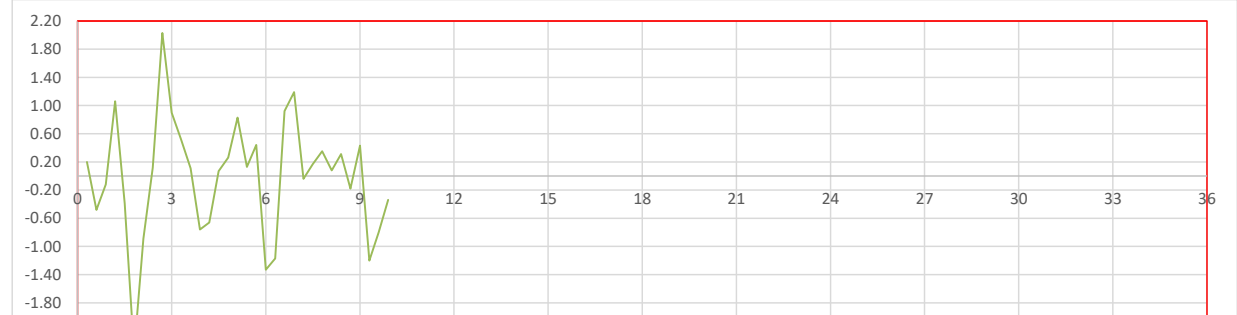


Property E

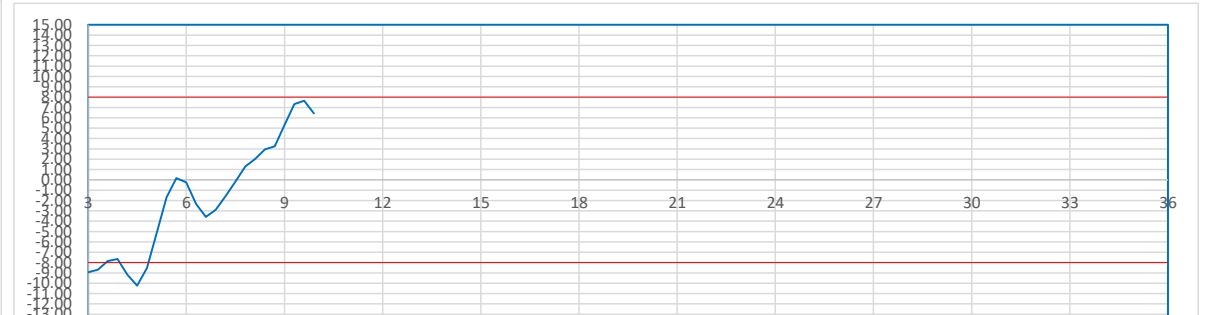


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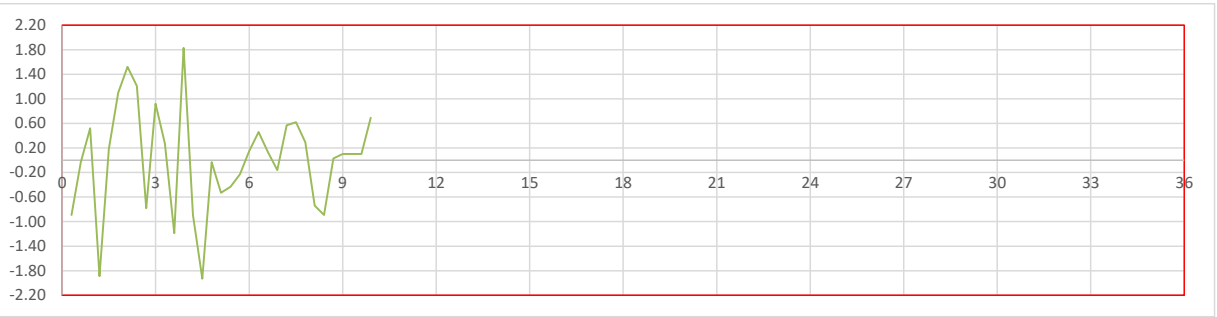
Property F



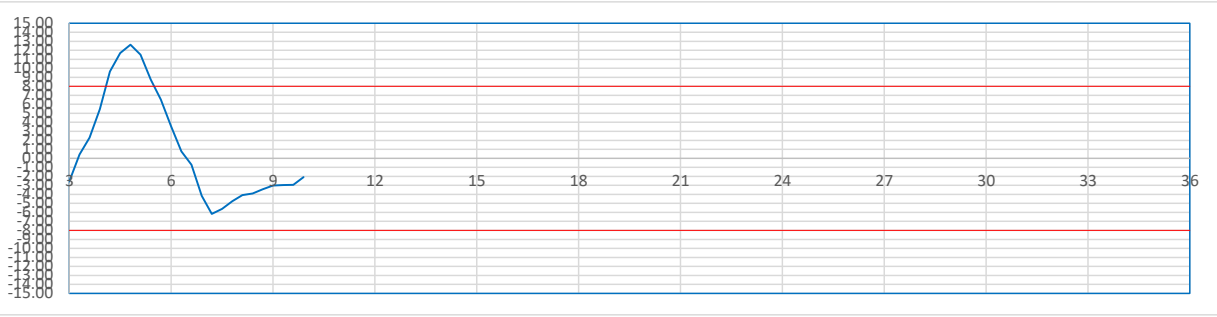
Property E



Run #: 23
Property F

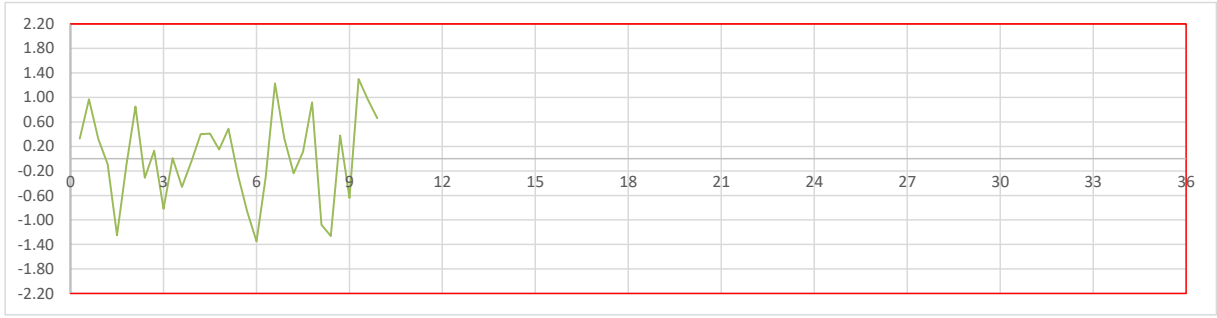


Property E

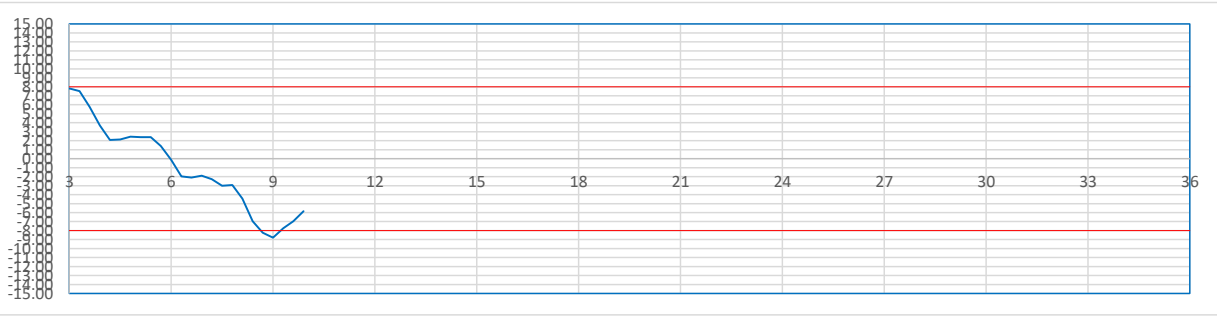


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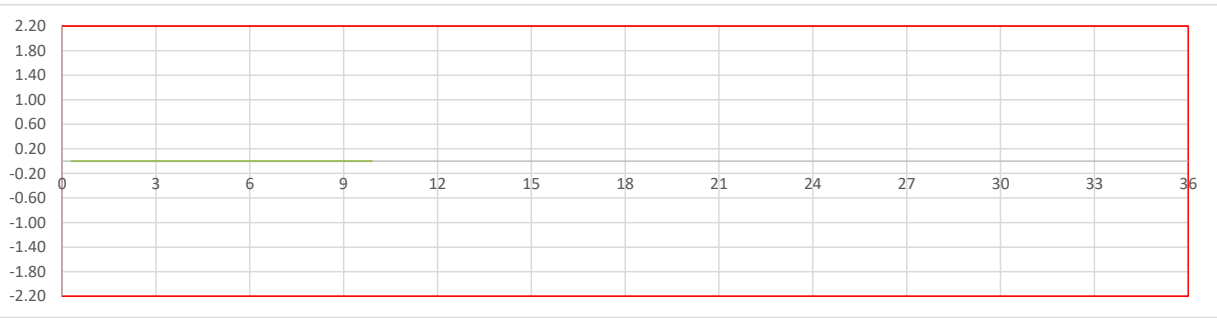
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Property F



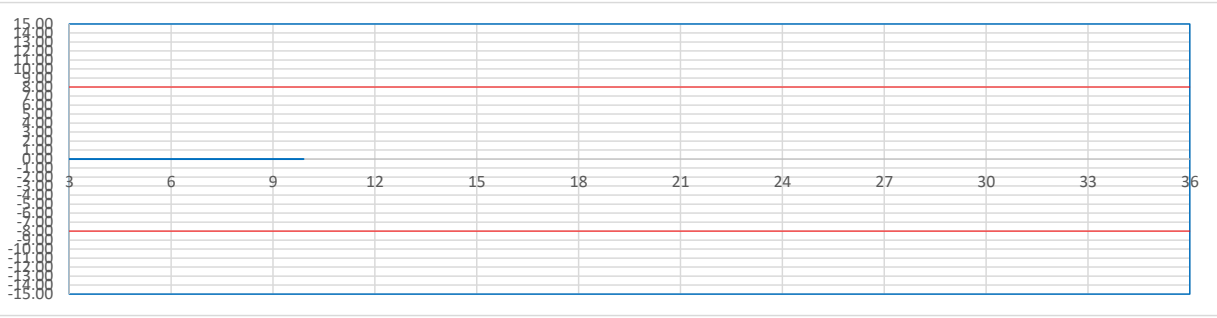
Property E



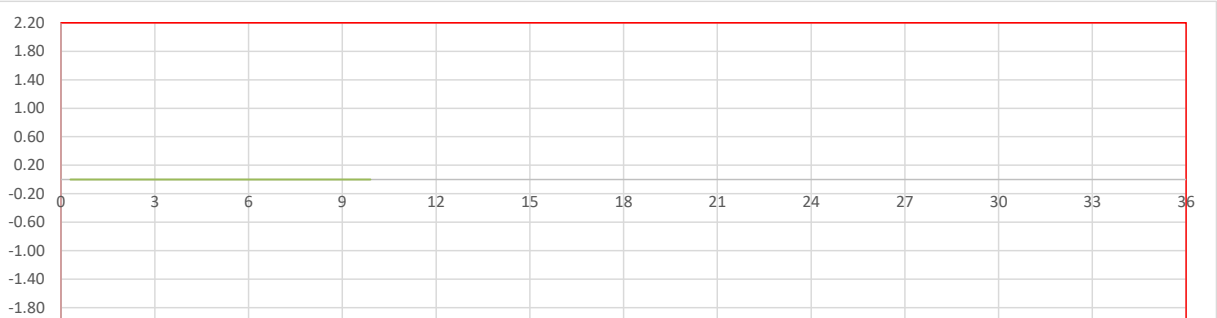
Run #: 0
Property F



Property E



Run #: 0
Property F



Property E

