

TR34 (4th edition) Free Movement Floor Tolerance Report

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

1. Project Name:
Project Location:

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

ALLEN FACE KOREA
3. Testing Organization:
5. Floor Tolerance Requirements:

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
4.

Slab ID:

지상4층 #14

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:

605 m² (for test area organization see attached drawing)

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 #:		13	14	15	16	17	18												All Runs:
Run Length (m):		20.70	20.70	20.70	20.70	20.70	20.70												124.20
FM1	Property F (95%)	NO	YES	NO	NO	NO	YES												NO
	% Defective	10.45%	2.99%	11.94%	11.94%	11.94%	0.00%												8.21%
	Property E (95%)	NO	NO	NO	NO	NO	NO												NO
FM2	% Defective	33.90%	18.64%	11.86%	20.34%	50.85%	11.86%												24.58%
	Property F (95%)	NO	YES	NO	NO	NO	YES												NO
	% Defective	5.97%	2.99%	8.96%	8.96%	10.45%	0.00%												6.22%
FM3	Property E (95%)	NO	NO	NO	YES	NO	YES												NO
	% Defective	16.95%	8.47%	6.78%	3.39%	35.59%	0.00%												11.86%
	Property F (95%)	YES	YES	NO	NO	NO	YES												NO
FM4	% Defective	2.99%	2.99%	7.46%	8.96%	8.96%	0.00%												5.22%
	Property E (95%)	NO	YES	YES	YES	NO	YES												YES
	% Defective	8.47%	0.00%	1.69%	0.00%	15.25%	0.00%												4.24%
FM4	Property F (95%)	YES	YES	NO	NO	NO	YES												YES
	% Defective	1.49%	1.49%	5.97%	7.46%	5.97%	0.00%												3.73%
	Property E (95%)	YES	YES	YES	YES	YES	YES												YES
FM4	% Defective	0.00%	0.00%	0.00%	0.00%	3.39%	0.00%												0.56%

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

최동현 (ALLEN FACE KOREA)

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Test Apparatus:
Testing Technician:
Test Area:

지상4층 #14
#REF!
2024-03-12
D-Meter® Manufactured by Allen Face&Company, Serial Number: 448
최동현 (ALLEN FACE KOREA)
605 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:

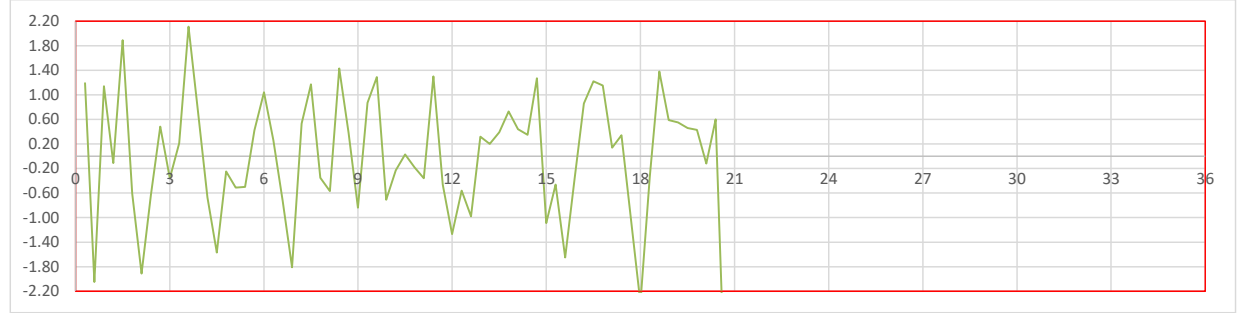
TR34 FREE MOVEMENT RESULTS																			
Run #:		13	14	15	16	17	18												All Runs:
Run Length (m):		20.70	20.70	20.70	20.70	20.70	20.70												124.20
FM1	Property F (100%)	YES	YES	YES	YES	YES	YES												YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0.00%
	Property E (100%)	YES	YES	YES	YES	YES	YES												YES
FM2	% 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
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
- FM1
- floor tolerance requirements.

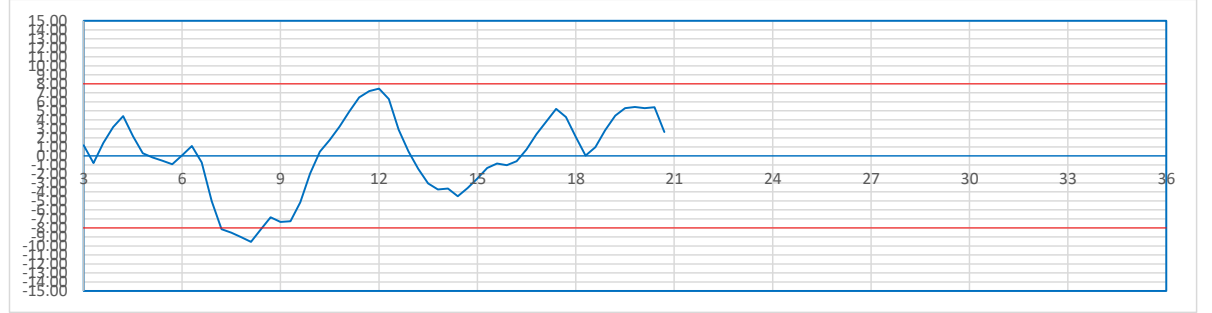
최동현 (ALLEN FACE KOREA)

Run #: 13

Property F

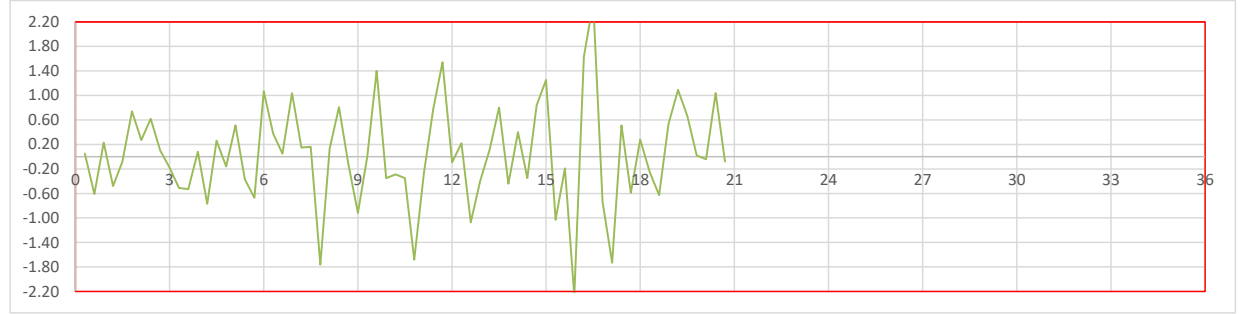


Property E

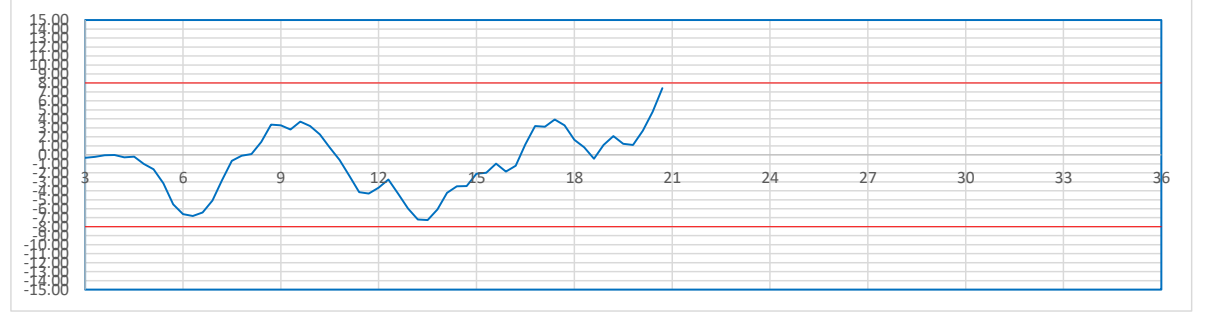


Run #: 14

Property F

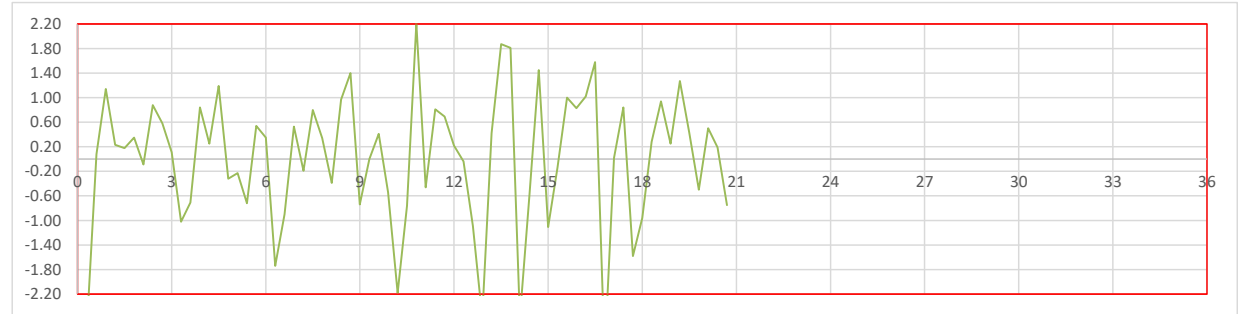


Property E

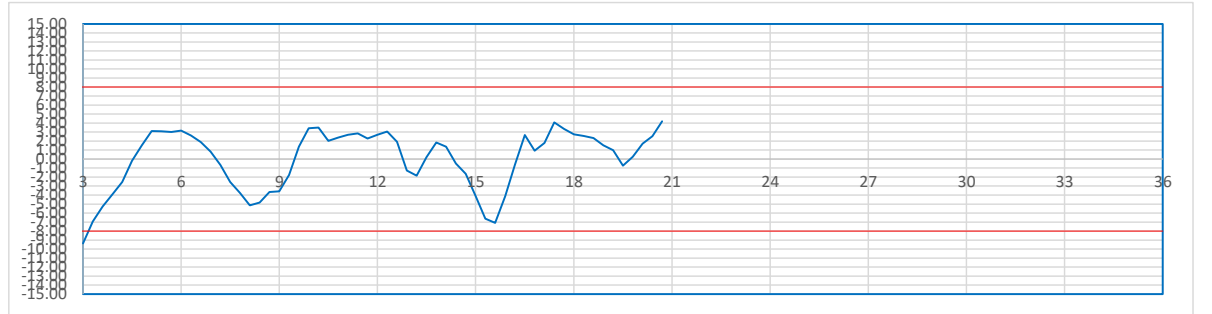


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Property F

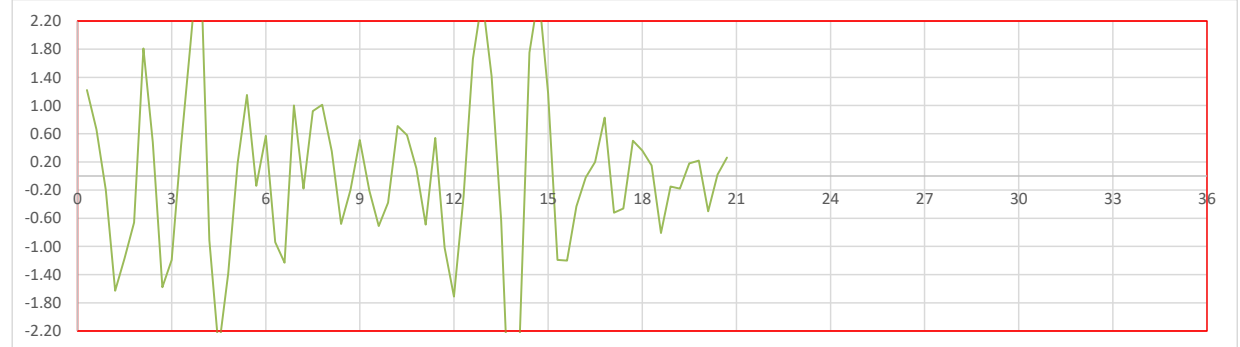


Property E

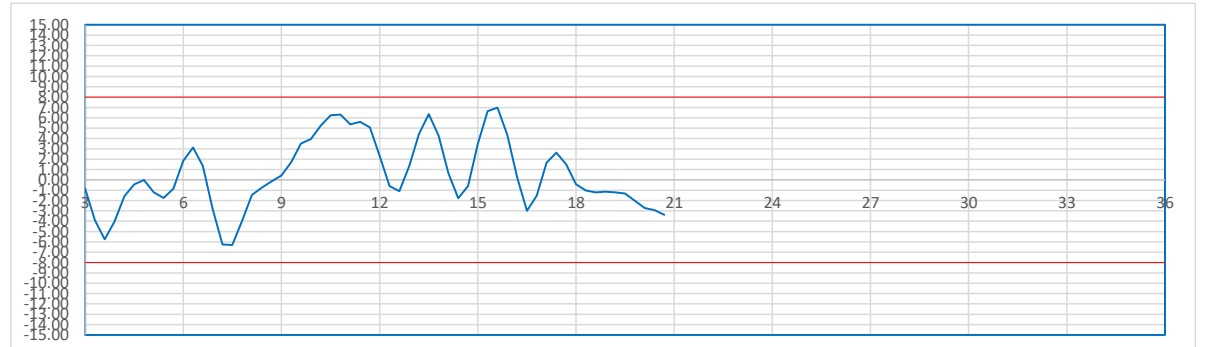


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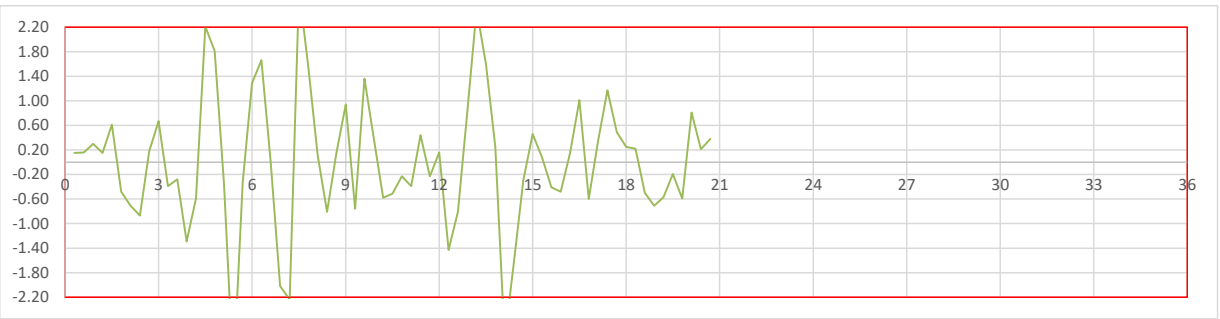
Property F



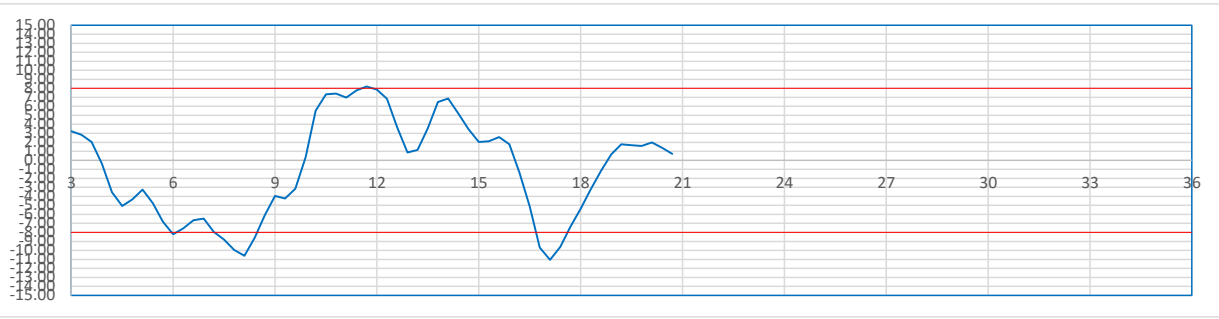
Property E



Run #: 17
Property F

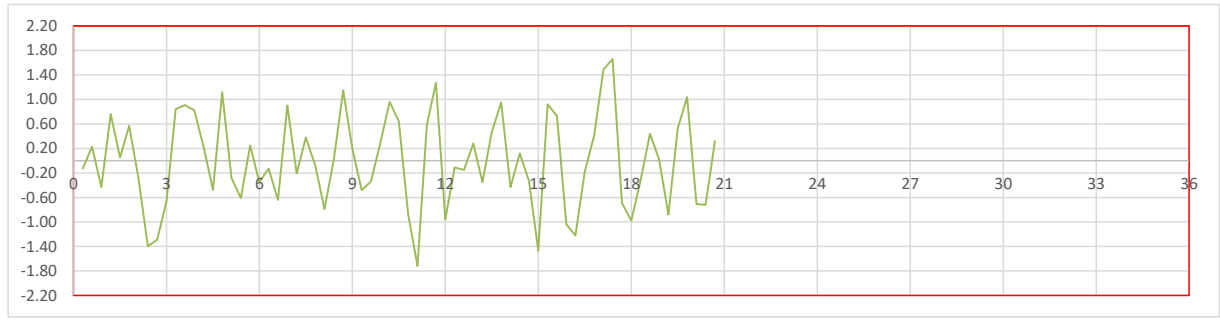


Property E

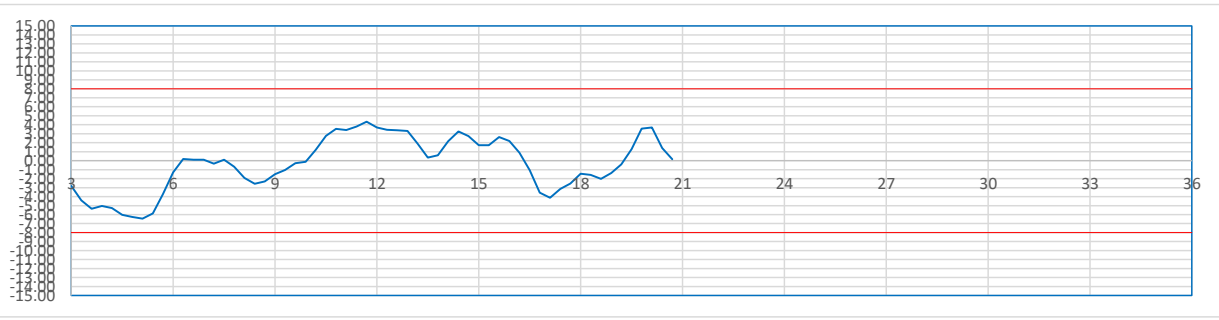


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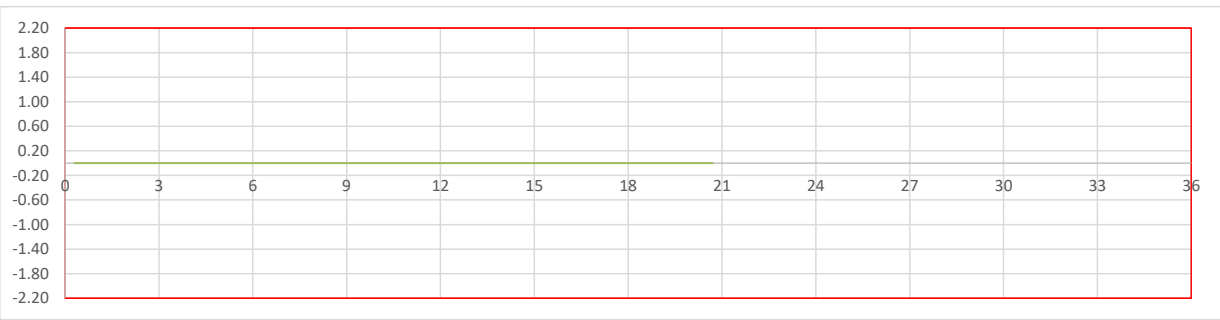
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Property F



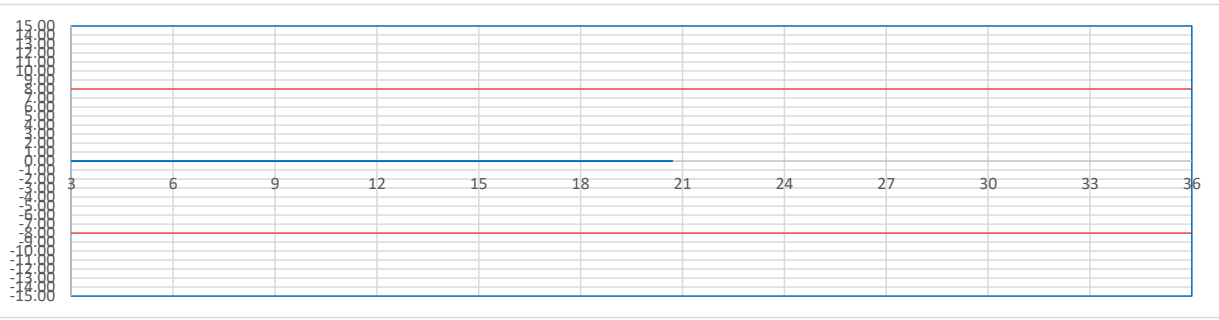
Property E



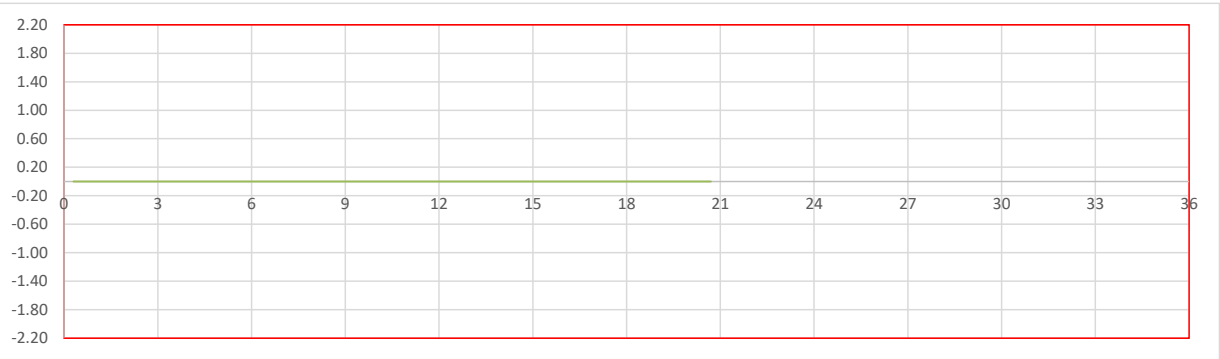
Run #: 0
Property F



Property E



Run #: 0
Property F



Property E

