

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:

4.

Slab ID:

지상5층 #3

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:

1,089 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 #:		13	14	15	16	17	18	19	20										All Runs:
Run Length (m):		27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90										223.20
FM1	Property F (95%)	NO	NO	NO	NO	NO	YES	YES	YES										NO
	% Defective	14.29%	8.79%	5.49%	5.49%	5.49%	4.40%	2.20%	1.10%										5.91%
	Property E (95%)	NO	NO	NO	NO	NO	NO	NO	NO										NO
FM2	% Defective	46.99%	46.99%	31.33%	45.78%	19.28%	22.89%	30.12%	37.35%										35.09%
	Property F (95%)	NO	NO	YES	YES	YES	YES	YES	YES										YES
	% Defective	12.09%	6.59%	2.20%	4.40%	4.40%	4.40%	2.20%	0.00%										4.53%
FM3	Property E (95%)	NO	NO	NO	NO	NO	YES	NO	NO										NO
	% Defective	22.89%	24.10%	6.02%	22.89%	9.64%	2.41%	20.48%	20.48%										16.11%
	Property F (95%)	NO	YES	YES	YES	YES	YES	YES	YES										YES
FM4	% Defective	9.89%	4.40%	1.10%	4.40%	2.20%	4.40%	2.20%	0.00%										3.57%
	Property E (95%)	NO	NO	YES	NO	NO	YES	NO	NO										NO
	% Defective	13.25%	15.66%	0.00%	14.46%	7.23%	1.20%	13.25%	10.84%										9.49%
FM4	Property F (95%)	NO	YES	YES	YES	YES	YES	YES	YES										YES
	% Defective	5.49%	2.20%	0.00%	4.40%	1.10%	4.40%	2.20%	0.00%										2.47%
	Property E (95%)	YES	YES	YES	NO	YES	YES	YES	YES										YES
	% Defective	2.41%	4.82%	0.00%	8.43%	2.41%	0.00%	0.00%	2.41%										2.56%

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

최동현 (ALLEN FACE KOREA)

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Project Location:

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-
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2. Concrete Floor Installer:

ALLEN FACE KOREA
3. Testing Organization:

ALLEN FACE KOREA
5. Floor Tolerance Requirements:

TR34 FREE MOVEMENT FLOOR TOLERANCES		
Floor Classification	Property F (mm) 100% limit	Property E (mm) 100% limit
FM1	4.0	15.0
FM2	4.5	15.0
FM3	5.5	15.0
FM4	7.5	15.0
4. Slab ID:
Date of Pouring:
Date of Testing:
Test Apparatus:
Testing Technician:
Test Area:

지상5층 #3
#REF!
2024-03-12
D-Meter® Manufactured by Allen Face&Company, Serial Number: 448
최동현 (ALLEN FACE KOREA)
1,089 m² (for test area organization see attached drawing)

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

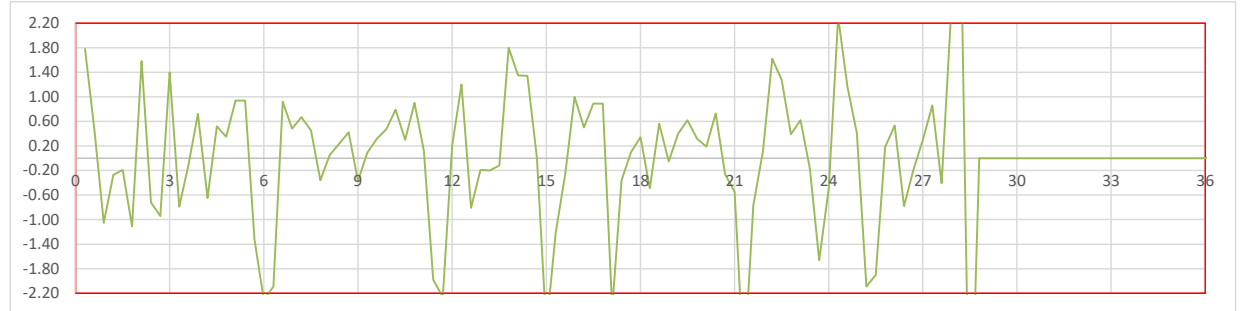
6. Analysis:

TR34 FREE MOVEMENT RESULTS																			
Run #:		13	14	15	16	17	18	19	20										All Runs:
Run Length (m):		27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90										223.20
FM1	Property F (100%)	NO	YES	YES	YES	YES	YES	NO	YES										NO
	% Defective	1.10%	0.00%	0.00%	0.00%	0.00%	0.00%	2.20%	0.00%										0.41%
	Property E (100%)	YES	YES	YES	YES	YES	YES	YES	YES										YES
FM2	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%										0.00%
	Property F (100%)	NO	YES	YES	YES	YES	YES	NO	YES										NO
	% Defective	1.10%	0.00%	0.00%	0.00%	0.00%	0.00%	2.20%	0.00%										0.41%
FM3	Property E (100%)	YES	YES	YES	YES	YES	YES	YES	YES										YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%										0.00%
	Property F (100%)	YES	YES	YES	YES	YES	YES	NO	YES										NO
FM4	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.10%	0.00%										0.14%
	Property E (100%)	YES	YES	YES	YES	YES	YES	YES	YES										YES
	% Defective	0.00%	0.00%	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	YES										YES
	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%										0.00%
	Property E (100%)	YES	YES	YES	YES	YES	YES	YES	YES										YES
FM4	% Defective	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%										0.00%

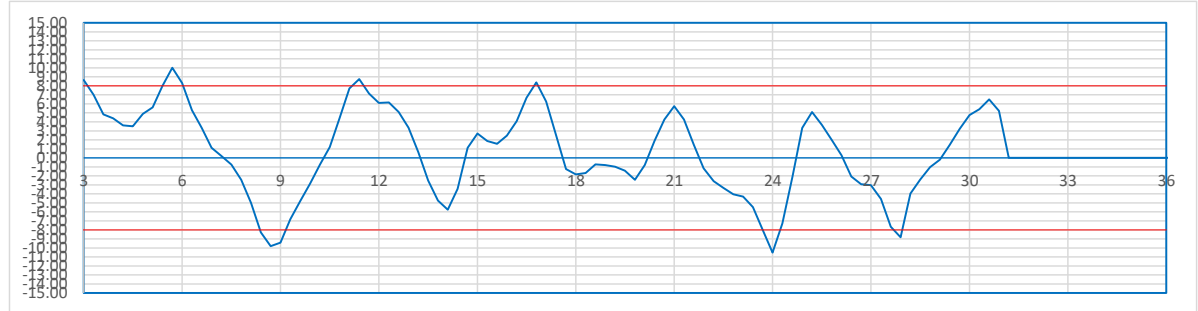
7. Summary:
- The analysed D-Meter® Runs satisfy the FM4 floor tolerance requirements.

최동현 (ALLEN FACE KOREA)

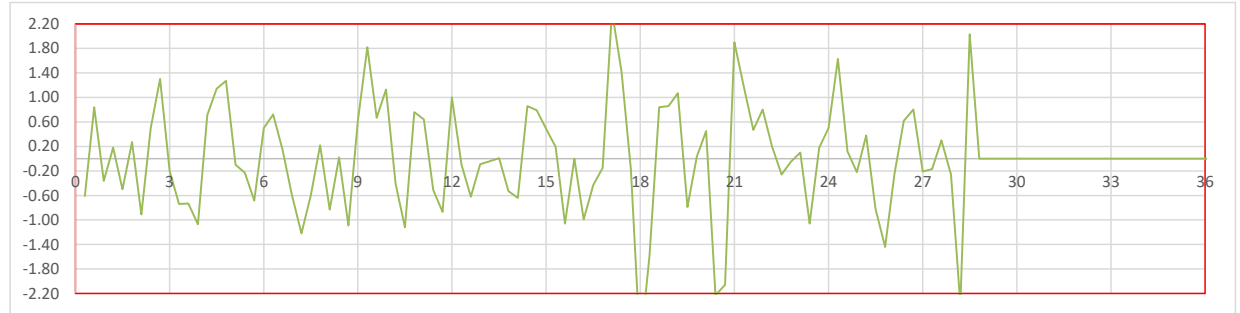
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Property F



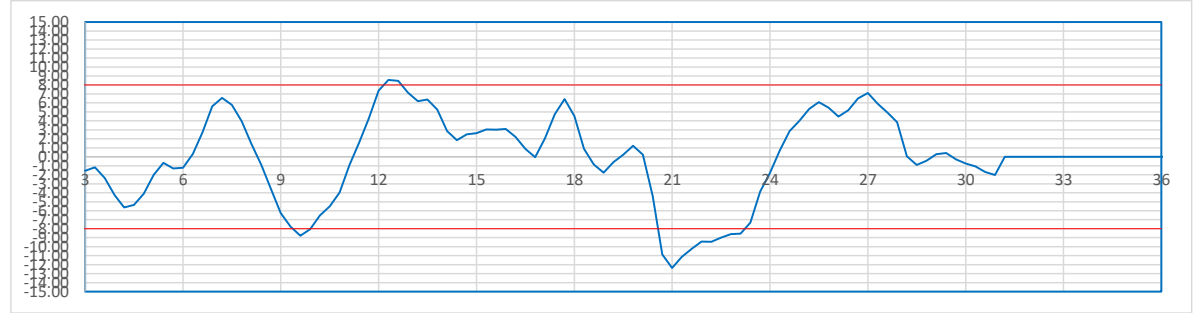
Property E



Run #: 14
Property F



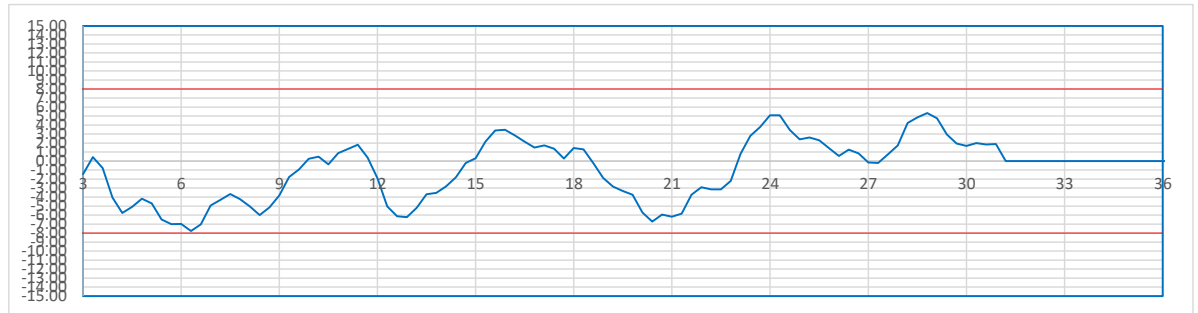
Property E



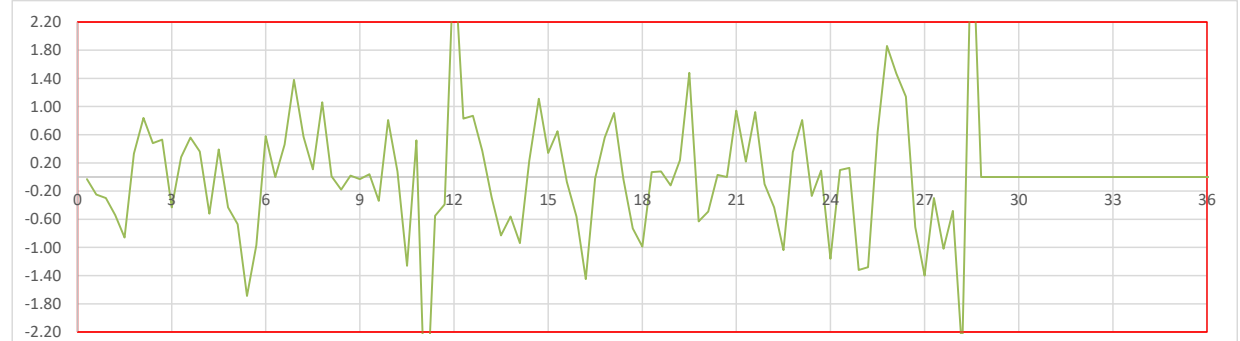
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Property F



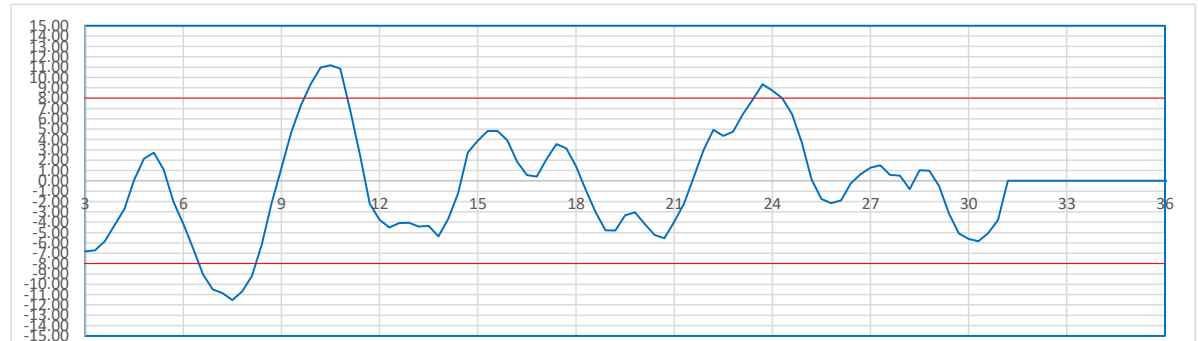
Property E



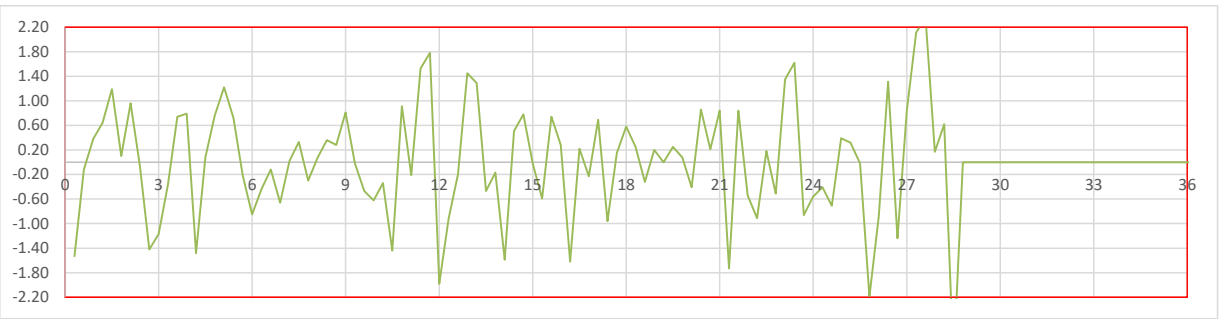
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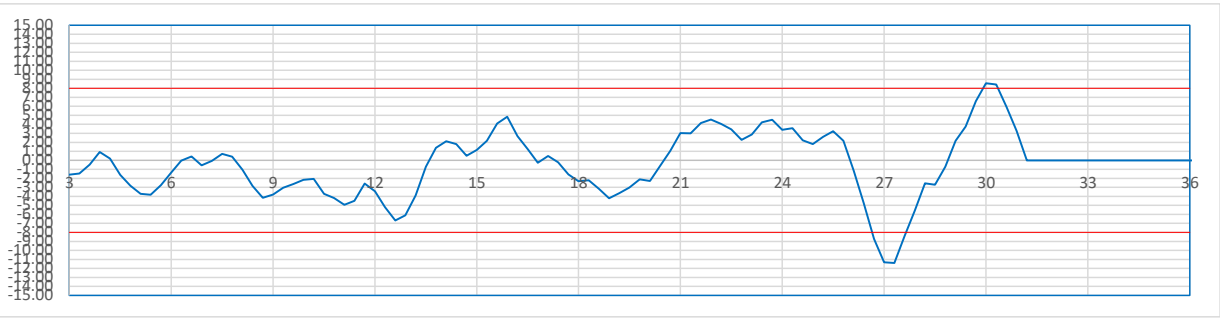
Property E



Run #: 17
Property F

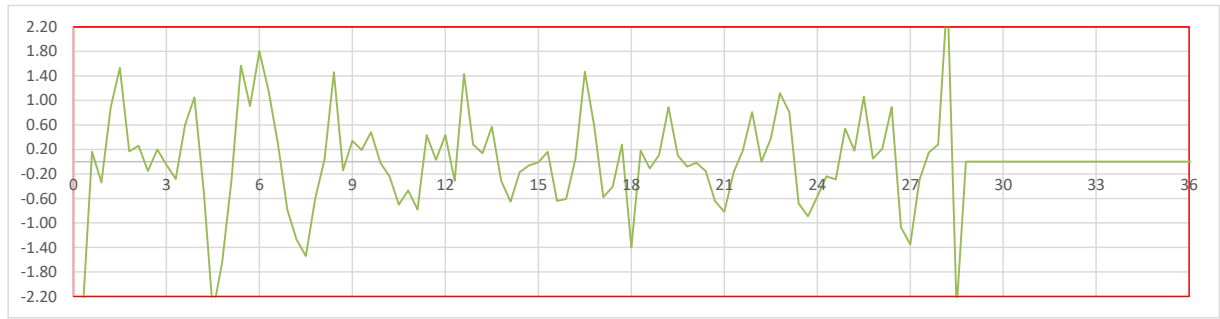


Property E

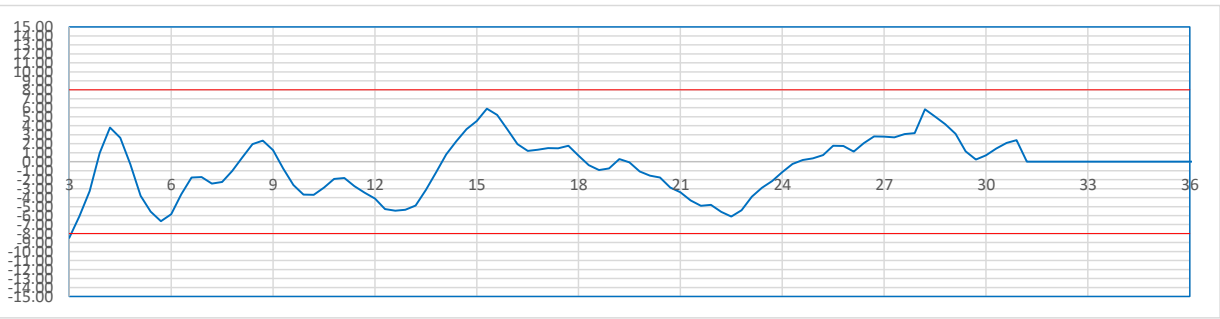


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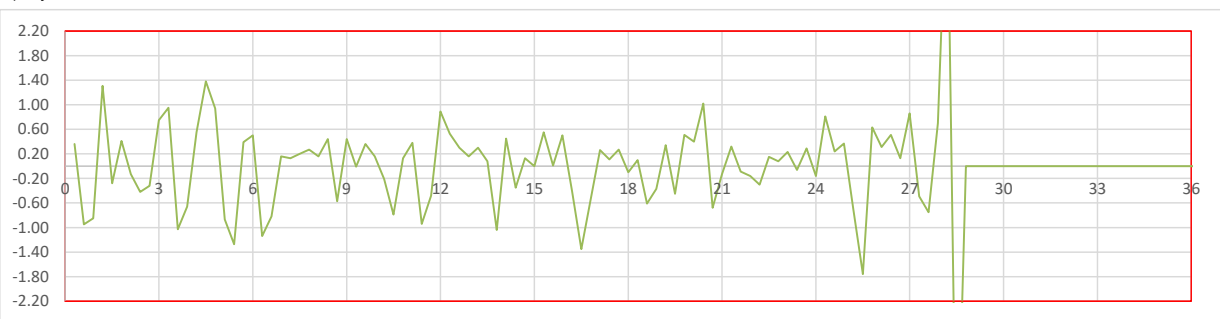
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Property F



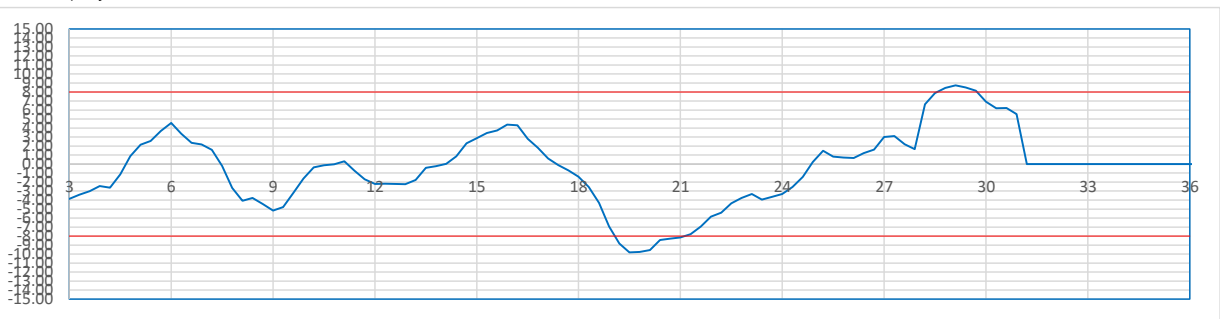
Property E



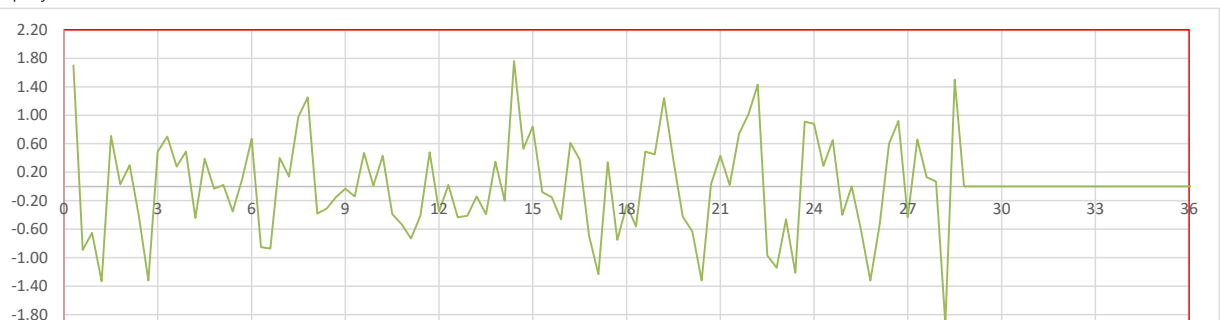
Run #: 19
Property F



Property E



Run #: 20
Property F



Property E

