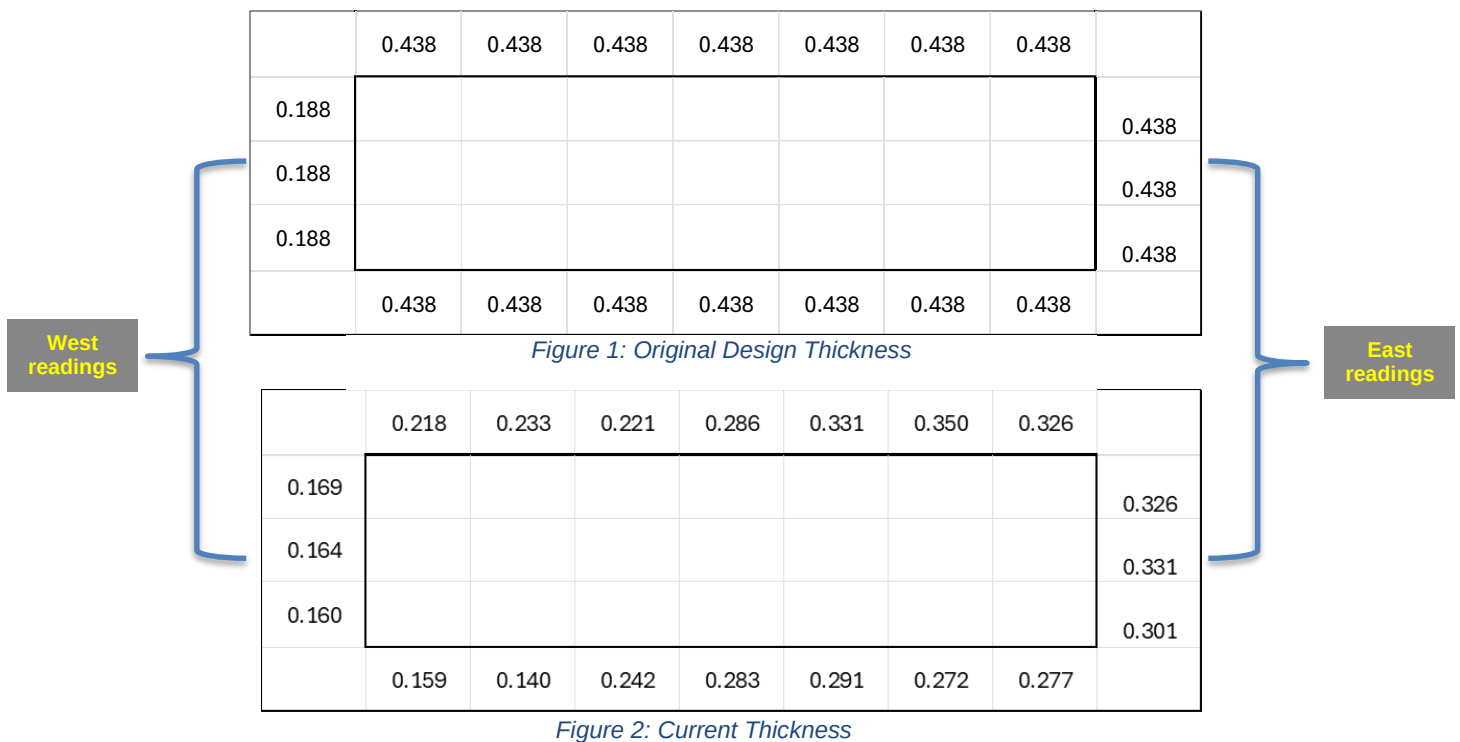


Interior – UT Readings: Damper Baldes to F10 Fan

UT readings were taken inside the duct at 10-foot intervals from the damper blades to the F10 fan. The data below reflects a comparison between the original design thickness of the duct's steel and its current thickness, including details of the side, depth (ft), and corresponding readings. A more comprehensive evaluation of the results are available in the [Findings](#) section of the document.

***Note:** The original thickness of the duct was 0.188 inches. However, in certain areas, the thickness measures 0.438 inches. This increased thickness indicates the presence of reinforcement patch plates that were previously installed to strengthen the steel in those sections. When evaluating the current thickness readings, any measurements below 0.188 inches (in unreinforced areas) or 0.438 inches (in areas with reinforcement) indicate a loss of material. The presence of these patch plates should be considered when assessing the condition and remaining thickness of the duct.

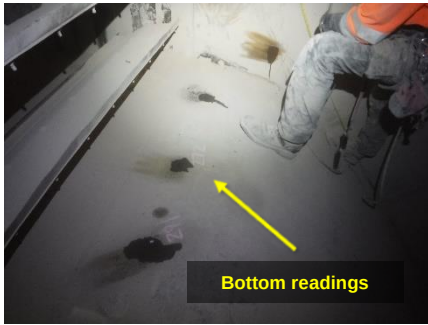
Interior UT Readings: at Damper Blades



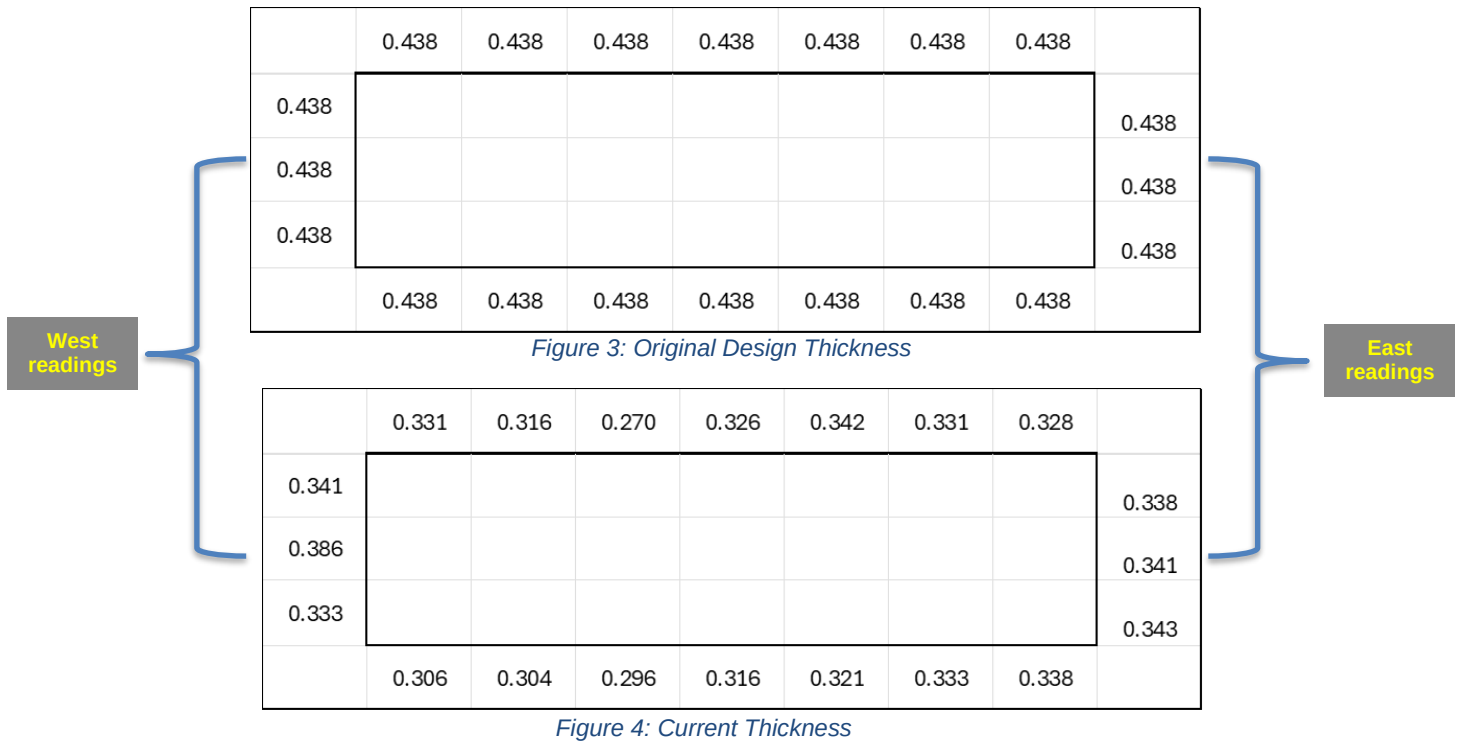
Location	Original Thickness (in)	Current Thickness (in)	Percentage Loss (%)
Top	0.438	0.218 - 0.350	20.09% - 50.73%
West	0.188	0.160 – 0.169	10.11% - 14.89%
Bottom	0.438	0.140 – 0.291	20.09% - 50.73%
East	0.438	0.301 – 0.331	20.09% - 50.73%

Table 1: Percentage Loss

Interior UT Readings: at Damper Blades (Photo Documentation)



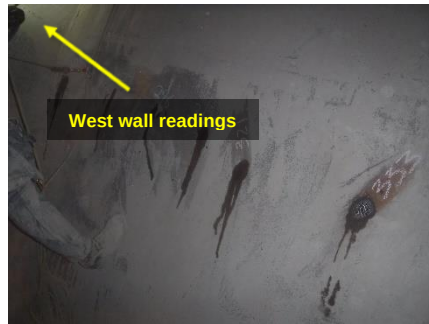
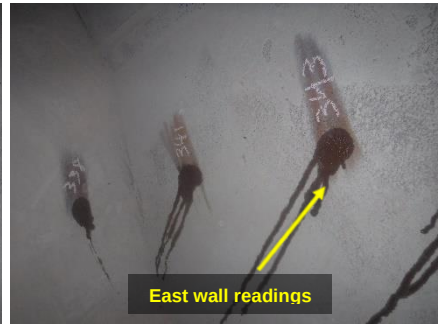
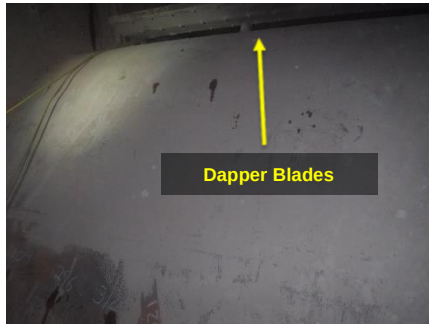
Interior UT Readings: 10ft from Damper Blades



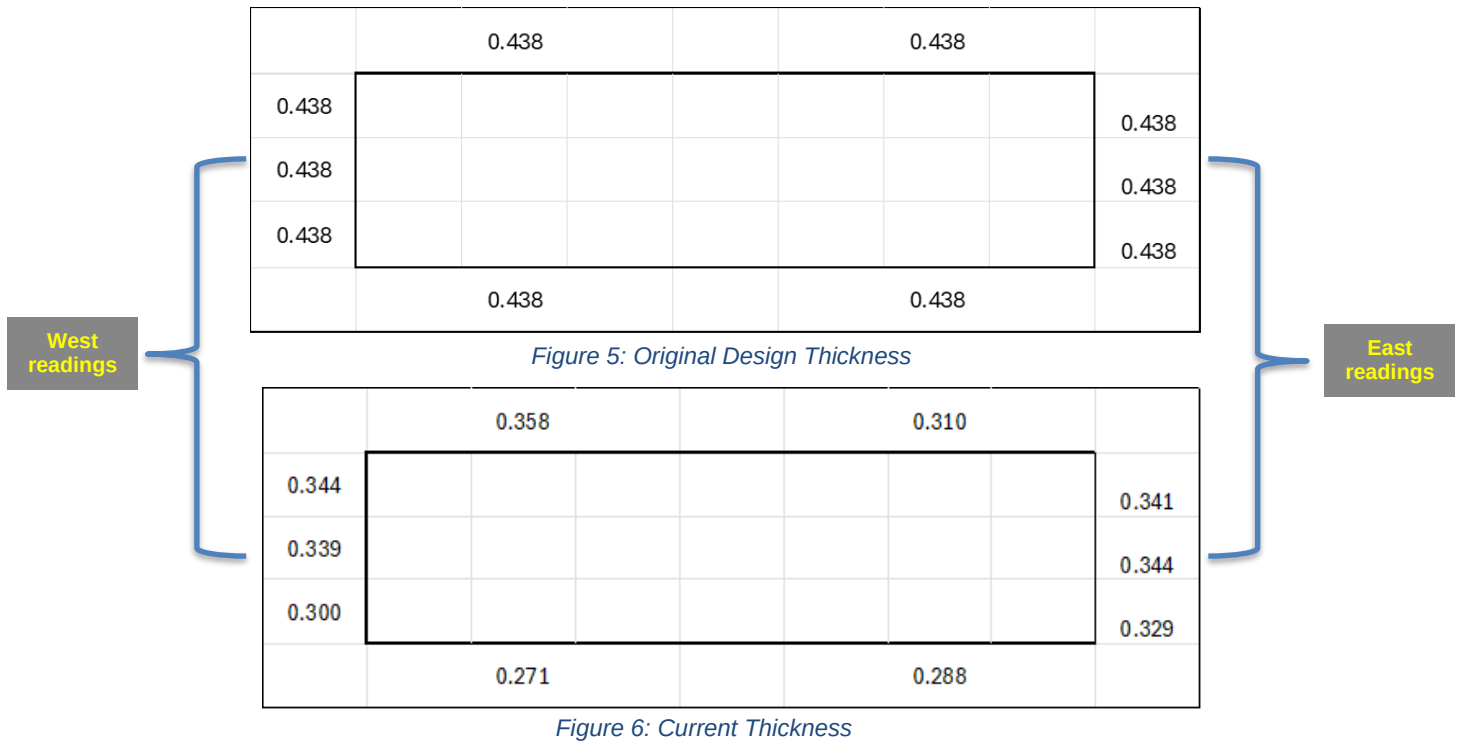
Location	Original Thickness (in)	Current Thickness (in)	Percentage Loss (%)
Top	0.438	0.270 - 0.342	21.92% - 38.36%
West	0.438	0.333 – 0.386	11.87% - 23.97%
Bottom	0.438	0.296 – 0.338	22.83% - 32.42%
East	0.438	0.338 – 0.343	21.69% - 22.83%

Table 2: Percentage Loss

Interior UT Readings: 10ft from Damper Blades (Photo Documentation)



Interior UT Readings: 20ft from Damper Blades



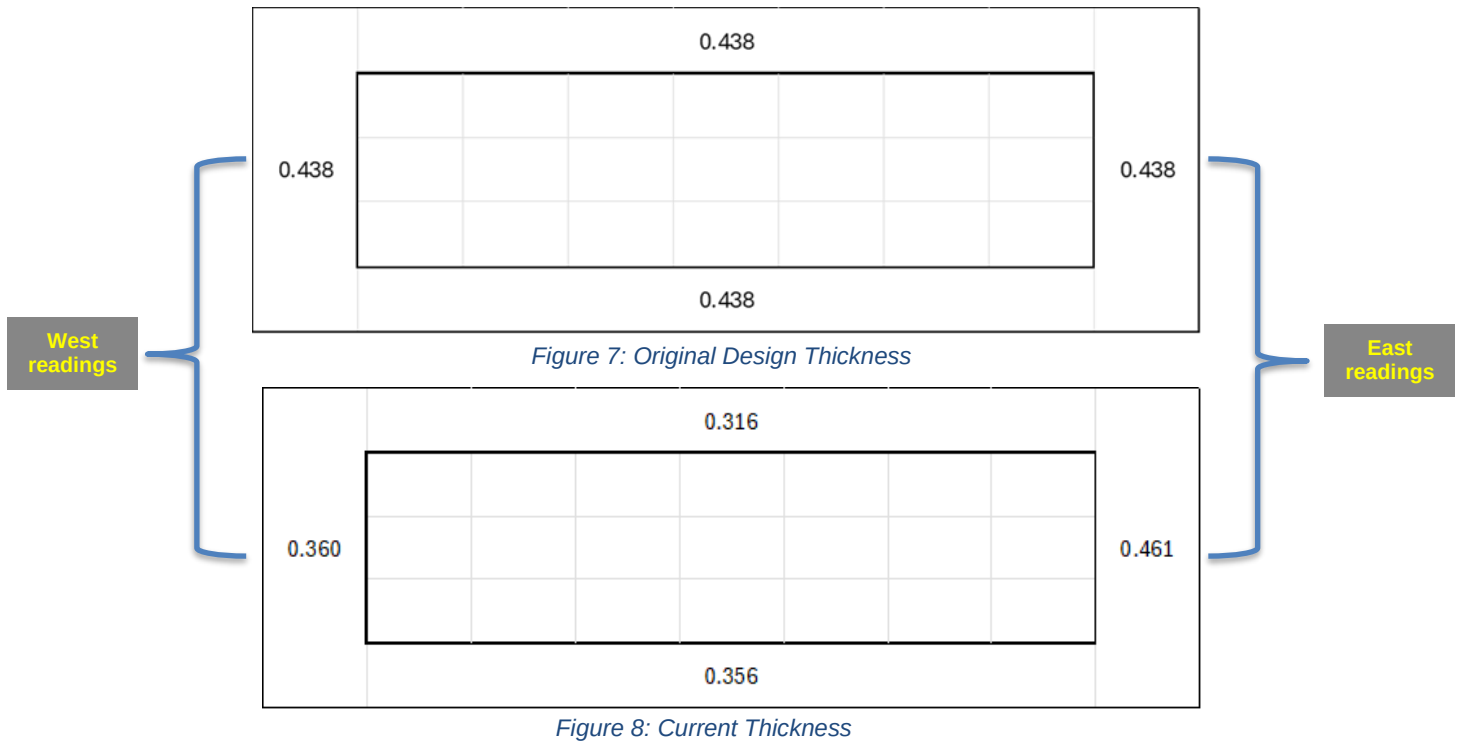
Location	Original Thickness (in)	Current Thickness (in)	Percentage Loss (%)
Top	0.438	0.310 - 0.358	18.26% - 29.22%
West	0.438	0.300 – 0.344	21.46% - 31.51%
Bottom	0.438	0.271 – 0.288	34.25% - 38.13%
East	0.438	0.329 – 0.344	21.46% - 24.89%

Table 3: Percentage Loss

Interior UT Readings: 20ft from Damper Blades (Photo Documentation)



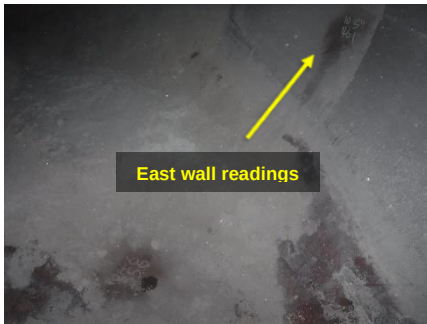
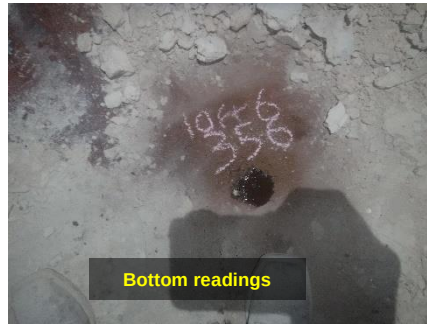
Interior UT Readings: 10ft from Bottom Access Door



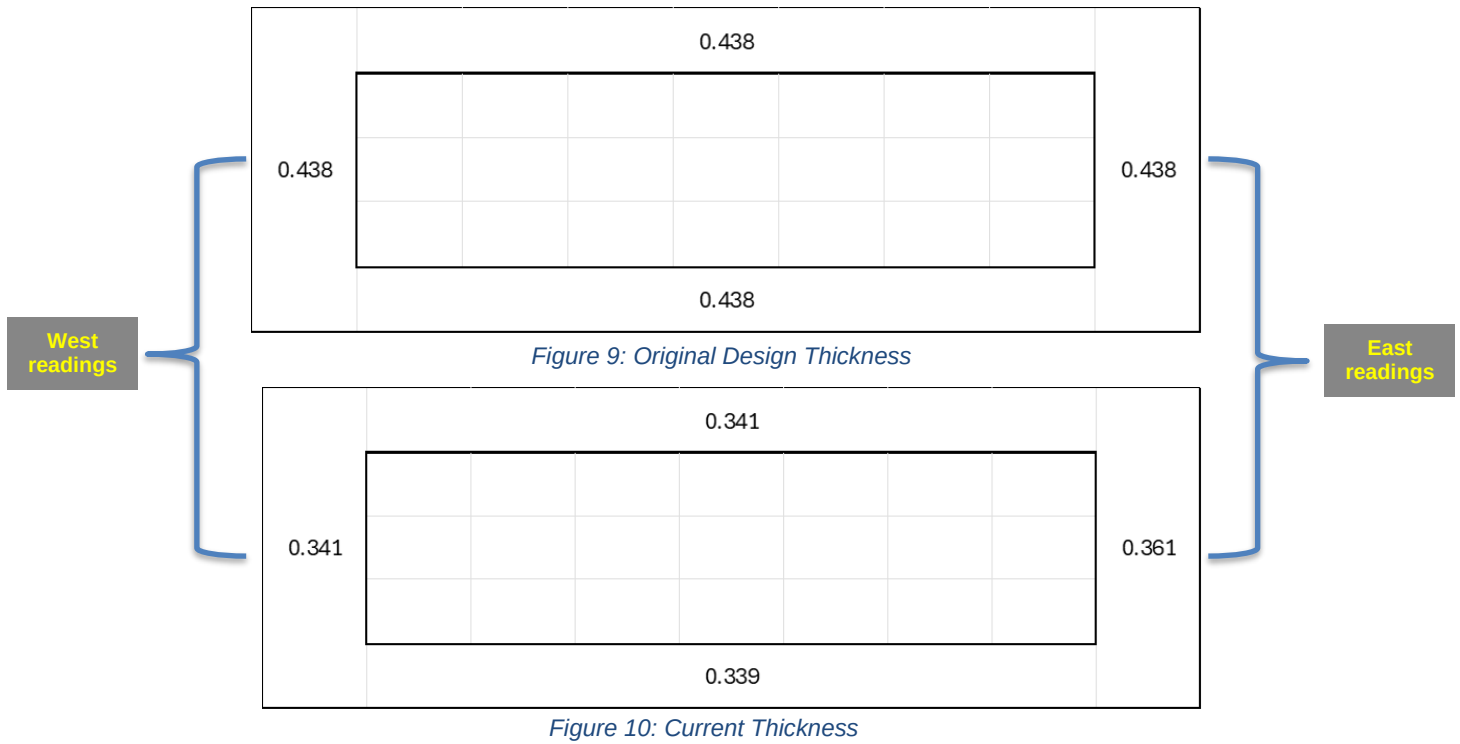
Location	Original Thickness (in)	Current Thickness (in)	Percentage Loss (%)
Top	0.438	0.316	27.85%
West	0.438	0.360	17.81%
Bottom	0.438	0.356	18.72%
East	0.438	0.461	(+) 5.25%

Table 4: Percentage Loss

Interior UT Readings: 10ft from Bottom Access Door (Photo Documentation)



Interior UT Readings: 20ft from Bottom Access Door



Location	Original Thickness (in)	Current Thickness (in)	Percentage Loss (%)
Top	0.438	0.341	22.14%
West	0.438	0.341	22.14%
Bottom	0.438	0.339	22.60%
East	0.438	0.361	17.57%

Table 5: Percentage Loss