883 Addison Rd. Cleveland, Ohio P: 216-391-2400 F:216-391-2492





Report Date: November 30, 2020

Project: County Courthouse

<u>Inspector(s)</u>: Julie Gue, Certified Technician

#### Inspection and Test Date(s):

June 23, 2020 – in progress

Duct Fabricators, Inc. "Fire Safety Division" inspected the one hundred and fifty-four (154) fire dampers for proper installation. The dampers were then tested and photographed in the "open" and "closed" positions to confirm that they were functioning as designed.

We have a few minor repairs to complete. All finale testing and photographs of replaced dampers will be conducted during the next two weeks.

NOTES: NFPA 80, NFPA 101 and NFPA 105 require newly installed dampers to be inspected and tested one year after initial installation. Thereafter, dampers are to be visually inspected every two years and functionally tested every four years.

Additionally, the information contained herein verified whether the dampers were functional at the time of testing. This verification process does not represent any form of a guarantee that the dampers will properly perform in the future.

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### <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

	FD/SD/FSD	<u>I.D.#</u>	<u>Size</u>	Manufacturer	<u>Model</u>	<u>Visual</u>	<u>Functional</u>	<u>Comments</u>
1	FD	AC#1-R1	24×29	M&T Engineering	Unknown	Pass	Pass	None
2	FD	AC#1-S1	16.5×15.5	Ruskin	IBD2	Pass	Pass	None
3	FD	AC#1-52	16.5×15.5	Ruskin	IBD2	Pass	Pass	None
4	FD	AC#1-53	16.5×13.5	Ruskin	IBD2	Pass	Pass	None
5	FD	<i>AC</i> #2-R	32×38	M&T Engineering	Unknown	Pass	Pass	None
6	FD	AC#2-OA	35.5x35.5	Ruskin	IBD2	Pass	Pass	None
7	FD	AC#2-S1	23.5×14.5	Ruskin	IBD2	Pass	Pass	None
8	FD	AC#2-52	23.5x16.5	Ruskin	IBD2	Pass	Pass	None
9	FD	AC#2-53	15.5×12.5	Ruskin	IBD2	Pass	Pass	None
10	FD	AC#2-54	35.5×19.5	Ruskin	IBD2	Pass	Pass	None
11	FD	AC#4-OA	46×24	Ruskin	IBD2	Pass	Pass	None
12	FD	<i>AC</i> #4-R	28×32.5	M&T Engineering	Unknown	Pass	Pass	None
13	FD	AC#4-S1	15.5×10.5	Ruskin	IBD2	Pass	Pass	None
14	FD	AC#4-52	21.5×14.5	Ruskin	IBD2	Pass	Pass	None
15	FD	AC#4-53	29.5×15.5	Ruskin	IBD2	Pass	Pass	None
16	FD	AC#4-S4	25.5×12.5	Ruskin	IBD2	Pass	Pass	None
17	FD	<i>AC</i> #5-R	36x36	Uknown	Unknown	Pass	Pass	Replaced missing bolts securing link
18	FD	AC#5-S1	23.5×14.5	Ruskin	IBD2	Pass	Pass	Multiple access doors added
19	FD	AC#5-S2	25.5×14.5	Ruskin	IBD2	Pass	Pass	24×24 access door installed
20	FD	AC#5-S3	25.5x12.5	Ruskin	IBD2	Pass	Pass	Reworked duct for accessability

<u>Inspector:</u> Julie Gue SA = Supply Air FD = Fire Damper

RA = Return Air SD = Smoke Damper

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## <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

	FD/SD/FSD	<u>I.D.#</u>	<u>Size</u>	Manufacturer	<u>Model</u>	<u>Visual</u>	<u>Functional</u>	<u>Comments</u>
21	FD	AC#5-S4	21.5×12.5	Ruskin	IBD2	Pass	Pass	Added sealer to reduce air loss
22	FD	AC#5-S5	19.5×12.5	Ruskin	IBD2	Pass	Pass	Added sealer to reduce air loss
23	FD	AC#5-S6	21.5×12.5	Ruskin	IBD2	Pass	Pass	Added sealer to reduce air loss
24	FD	AC#5-S7	21.5×12.5	Ruskin	IBD2	Pass	Pass	Added sealer to reduce air loss
25	FD	AC#5-58	23.5×12.5	Ruskin	IBD2	Pass	Pass	Added sealer to reduce air loss
26	FD	<i>AC</i> #6-R	22×26	M&T Engineering	Unkown	Pass	Pass	Damper is rusting. Still functions
27	FD	AC#6-S1	37×15	Ruskin	IBD2	Pass	Pass	Added sealer to reduce air loss
28	FD	AC#6-52	13.5×7.5	Ruskin	IBD2	Pass	Pass	None
29	FD	AC#6-53	12.5×15.5	Ruskin	IBD2	Pass	Pass	None
30	FD	<i>AC</i> #7-R1	33.5×27.5	Ruskin	IBD2	Pass	Pass	Damper has been replaced
31	FD	AC#7-S1	17.5×14.5	Ruskin	IBD2	Pass	Pass	None
32	FD	AC#7-52	17.5×14.5	Ruskin	IBD2	Pass	Pass	None
33	FD	AC#7-53	13.5×14.5	Ruskin	IBD2	Pass	Pass	None
34	FD	AC#7-54	15.5×14.5	Ruskin	IBD2	Pass	Pass	New door installed
35	FD	AC#7-S5	27.5×16.5	Ruskin	IBD2	Pass	Pass	None
36	FD	AC#7-S6	31.5×19.5	Ruskin	IBD2	Pass	Pass	New door installed
37	FD	AC#8-S1	17.5×16.5	Ruskin	IBD2	Pass	Pass	None
38	FD	AC#8-52	19.5×16.5	Ruskin	IBD2	Pass	Pass	None
39	FD	AC#8-53	17.5×16.5	Ruskin	IBD2	Pass	Pass	None
40	FD	<i>AC</i> #9-R	22×24	Ruskin	IBD2	Pass	Pass	None

Inspector:Julie GueSA = Supply AirFD = Fire DamperInspection Dates:June 23, 2020 - October 29, 2020RA = Return AirSD = Smoke Damper

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### <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

	FD/SD/FSD	<u>I.D.#</u>	<u>Size</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Visual</u>	<u>Functional</u>	<u>Comments</u>
41	FD	AC#10-R1	15.5×15.5	Ruskin	IBD2	Pass	Pass	Fix duct/ add sealant
42	FD	AC#10-S	27.5×9.5	Ruskin	IBD2	Pass	Pass	Fill corners/add sealant
43	FD	AC#12-R1	25.5×12.5	Ruskin	IBD2	Pass	Pass	None
44	FD	<i>AC</i> #12-R2	19×10.5	Ruskin	IBD2	Pass	Pass	Removed/reinstalled duct/added door
45	FD	<i>AC</i> #12-R3	29.5×14.5	Ruskin	IBD2	Pass	Pass	Installed new damper
46	FD	<i>AC</i> #12-R4	27.5×11.5	Ruskin	IBD2	Pass	Pass	Installed new damper
47	FD	<i>AC</i> #12-R5	17.5×10.5	Ruskin	IBD2	Pass	Pass	Installed new damper
48	FD	AC#12-S1	31.5×14.5	Ruskin	IBD2	Pass	Pass	Angle/Fire stop added
49	FD	AC#12-52	17.5×8.5	Ruskin	IBD2	Pass	Pass	Angle/Fire stop added
50	FD	AC#12-53	35.5×16.5	Ruskin	IBD2	Pass	Pass	Angle/Fire stop added
51	FD	AC#12-54	20.5×15.5	Ruskin	IBD2	Pass	Pass	New damper. Label miss marked 55
52	FD	AC#13-R1	29.5×23.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
53	FD	AC#13-S1	30.5×16.5	Ruskin	IBD2	Pass	Pass	Angle/Fire stop/sealant added
54	FD	AC#13-52	15.5×12.5	Ruskin	IBD2	Pass	Pass	Replaced leaking duct/door added
55	FD	AC#13-53	29.5×14.5	Ruskin	IBD2	Pass	Pass	Added sealant/screws/fire stop
56	FD	AC#14-R1	17.5×10.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
57	FD	AC#14-R2						
58	FD	AC#14-R3	19.5×10.5	Ruskin	IBD2	Pass	Pass	Angle/fire stop
59	FD	AC#14-R4						
60	FD	AC#14-R5						

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<u>Inspection Dates:</u> SD = Smoke Damper

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## <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

	FD/SD/FSD	<u>I.D.#</u>	<u>Size</u>	Manufacturer	<u>Model</u>	<u>Visual</u>	<u>Functional</u>	<u>Comments</u>
61	FD	<i>AC</i> #14-R6	17.5×10.5	Ruskin	IBD2	Pass	Pass	None
62	FD	AC#14-S1	21.5×10.5	Ruskin	IBD2	Pass	Pass	Added fire stop/ sealant
63	FD	AC#14-52	17.5×8	Ruskin	IBD2	Pass	Pass	Added fire stop/ sealant
64	FD	AC#14-53	21.5×9.5	Ruskin	IBD2	Pass	Pass	Added fire stop/ sealant
65	FD	<i>AC</i> #15-R1	19.5×10.5	Ruskin	IBD2	Pass	Pass	None
66	FD	<i>AC</i> #15-R2	25.5×16.5	Ruskin	IBD2	Pass	Pass	None
67	FD	<i>AC</i> #15-R3	19.5×10.5	Ruskin	IBD2	Pass	Pass	None
68	FD	<i>AC</i> #15-R4	19.5×10.5	Ruskin	IBD2	Pass	Pass	Added larger angle/fire stop/ sealant
69	FD	AC#15-S1	19.5×10.5	Ruskin	IBD2	Pass	Pass	Added fire stop/ sealant
70	FD	AC#15-S2	14.5×10.5	Ruskin	IBD2	Pass	Pass	None
71	FD	AC#15-S3	16.5×10.5	Ruskin	IBD2	Pass	Pass	None
72	FD	AC#15-S4	25.5×14.5	Ruskin	IBD2	Pass	Pass	None
73	FD	AC#16-R1	19.5×13	Ruskin	IBD2	Pass	Pass	Added firestop/larger drives/sealant
74	FD	<i>AC</i> #16-R2	19.5×10.5	Ruskin	IBD2	Pass	Pass	Added fire stop/ sealant
75	FD	<i>AC</i> #16-R3	19.5×10.5	Ruskin	IBD2	Pass	Pass	Added fire stop/ sealant
76	FD	<i>AC</i> #16-R4	9x5	Ruskin	IBD2	Pass	Pass	None
77	FD	AC#16-S1	14×7.5	Ruskin	IBD2	Pass	Pass	None
78	FD	AC#16-52	8.5×6	Ruskin	IBD2	Pass	Pass	Added fire stop/ sealant
79	FD	AC#17-R1	47.5x23.5	Ruskin	IBD2	Pass	Pass	Replaced with new damper
80	FD	AC#17-S1	23×12	Ruskin	IBD2	Pass	Pass	<u>None</u>

Inspector:Julie GueSA = Supply AirFD = Fire DamperInspection Dates:June 23, 2020 - October 29, 2020RA = Return AirSD = Smoke Damper

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## <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

	FD/SD/FSD	<u>I.D.#</u>	<u>Size</u>	Manufacturer	<u>Model</u>	<u>Visual</u>	<u>Functional</u>	<u>Comments</u>
81	FD	AC#17-S2	23×12	Ruskin	IBD2	Pass	Pass	None
82	FD	AC#17-S3	32×21	Ruskin	IBD2	Pass	Pass	None
83	FD	AC#17-S4	15.5×12.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
84	FD	AC#17-S5	23.5×14.5	Ruskin	IBD2	Pass	Pass	Added new door/sealeant
85	FD	AC#18-R1	17.5×13.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
86	FD	AC#18-R2	17.5×13.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
87	FD	AC#18-R3	18.5×12.5	Ruskin	IBD2	Pass	Pass	None
88	FD	AC#18-R4	19.5×12.5	Ruskin	IBD2	Pass	Pass	None
89	FD	AC#18-R5	19.5×12.5	Ruskin	IBD2	Pass	Pass	None
90	FD	AC#18-R6	17.5×12.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
91	FD	AC#18-S1	18.5×14.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
92	FD	AC#18-S2	18.5×14.5	Ruskin	IBD2	Pass	Pass	Added fire stop/sealant
93	FD	AC#18-53	19.5×14.5	Ruskin	IBD2	Pass	Pass	None
94	FD	AC#19-R1	31.5×16.5	Ruskin	IBD2	Pass	Pass	Added new door
95	FD	AC#19-S1	35.5×16.5	Ruskin	IBD2	Pass	Pass	Added new door/sealant
96	FD	AC#19-52	19.5×10.5	Ruskin	IBD2	Pass	Pass	Added new door/sealant
97	FD	AC#19-53	29.5×17.5	Ruskin	IBD2	Pass	Pass	Added new door/sealant
98	FD	AC#20-R1	11.5×11.5	Ruskin	IBD2	Pass	Pass	Turned damper right side up
99	FD	AC#20-R2	19.5×12.5	Ruskin	IBD2	Pass	Pass	Added larger angle/fire stop/ sealant
100	FD	AC#20-R3	19.5×14.5	Ruskin	IBD2	Pass	Pass	Added larger angle/fire stop/ sealant

<u>Inspector:</u> Julie Gue SA = Supply Air FD = Fire Damper

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## <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

	FD/SD/FSD	I.D.#	Size	Manufacturer	Model	Visual	Functional	<u>C</u> omments
101	FD	AC#20-R4	19.5×13.5	Ruskin	IBD2	Pass	Pass	Added new angle/fire stop/sealant
102	FD	AC#20-R5	19.5×13.5	Ruskin	IBD2	Pass	Pass	Added new angle/fire stop/sealant
103	FD	AC#20-R6	11.5×6	Ruskin	IBD2	Pass	Pass	None
104	FD	AC#20-S1	9.5×9.5	Greenheck	Unknown	Pass	Pass	Addedfire stop/angle/anchored
105	FD	AC#20-52	14.5×10.5	Ruskin	IBD2	Pass	Pass	None
106	FD	AC#20-53	14.5×8.5	Ruskin	IBD2	Pass	Pass	None
107								
108	FD	AC#22-S1	22.5x15	Ruskin	IBD2	Pass	Pass	None
109	FD	AC#23-R1	27×14	Ruskin	IBD2	Pass	Pass	None
110	FD	AC#23-S1	29×13	Ruskin	IBD200W	Pass	Pass	Added new angle 2x3
111	FD	AC#23-R2	18×10	Ruskin	IBD2	Pass	Pass	Added support/new duct
112	FD	AC#23-52	28.5×8	Ruskin	IBD2	Pass	Pass	Added new angle 4.5×2
113	FD	<i>AC</i> #24-R	23×14	Ruskin	IBD200W	Pass	Pass	None
114	FD	AC#24-51	29×15	Ruskin	IBD200W	Pass	Pass	None

<u>Inspection Dates:</u> SD = Smoke Damper

883 Addison Rd. Cleveland, Ohio P: 216-391-2400 F:216-391-2492





### <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

FD/SD/FS	<u>I.D.#</u>	Size	Manufacturer	Model	Visual	Functional	Comments
15 FD	SB-R-#1	16×15	M&T Engineering	Unknown	Pass	Pass	Replaced. Metal tab for link broken.
16 FD	SB-R#2	18×15	M&T Engineering	Unknown	Pass	Pass	None
17 FD	SB-R-#3	24X14	Ruskin	IBD2	Pass	Pass	None
18 FD	SB-R-#4	24×15	M&T Engineering	Unknown	Pass	Pass	None
19 FD	SB-R-#5	18×17	M&T Engineering	Unknown	Pass	Pass	Replaced. Metal tab for link broken
20 FD	SB-R-#6	25X15.5	M&T Engineering	Unknown	Pass	Pass	None
21 FD	SB-R-#7	18X15	M&T Engineering	Unknown	Pass	Pass	None
22 FD	SB-R-#8	32X24	M&T Engineering	Unknown	Pass	Pass	None
23 FD	SB-R-#9	32X24	M&T Engineering	Unknown	Pass	Pass	None
24 FD	SB-R-#10	12X15	M&T Engineering	Unknown	Pass	Pass	None
25 FD	SB-R-#11	22X15	M&T Engineering	Unknown	Pass	Pass	None
26 FD	SB-R-#12	22X15	M&T Engineering	Unknown	Pass	Pass	None
27 FD	SB-R-#13	12X11	M&T Engineering	Unknown	Pass	Pass	None
28 FD	SB-R-#14	16X20	M&T Engineering	Unknown	Pass	Pass	None
29 FD	SB-R-#15	24×22	M&T Engineering	Unknown	Pass	Pass	None
30 FD	SB-R-#16	30×29.5	Ruskin	IBD20	Pass	Pass	None
31 FD	SB-R-#17	30×29	M&T Engineering	Unknown	Pass	Pass	None
32 FD	SB-R-#18	16×15	M&T Engineering	Unknown	Pass	Pass	None
33 FD	SB-R-#19	25×20	M&T Engineering	Unknown	Pass	Pass	None
34 FD	SB-R-#20	24×22	M&T Engineering	Unknown	Pass	Pass	None

<u>Inspector:</u> Julie Gue

SA = Supply Air FD = Fire Damper

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# <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

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-	FD/SD/FSD	<u>I.D.#</u>	<u>Size</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Visual</u>	<u>Functional</u>	<u>Comments</u>
135	FD	SB-R-#21	29×20	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
136	FD	SB-R-#22	24×22	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
137	FD	SB-R-#23	24×22	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
138	FD	SB-R-#24	24×22	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
139	FD	SB-R-#25	20×20	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
140	FD	SB-R-#26	24×11	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
141	FD	SB-R-#27	32×29	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
142	FD	SB-R-#28	32×29	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
143	FD	SB-R-#29	15×13	M&T Engineering	Unknown	Pass	Pass	Rusty but functioning
144	FD	SB-R-#30	24×11	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
145	FD	SB-R-#31	24×16	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
146	FD	SB-R-#32	24×22	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
147	FD	SB-R-#33	24×15	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
148	FD	SB-R-#34	16×15	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
149	FD	SB-R-#35	16×15	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
150	FD	SB-R-#36	25×25	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
151	FD	SB-R-#37	22×15	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
152	FD	SB-R-#38	22×14	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
153	FD	SB-R-#39	30×29	M&T Engineering	Unknown	Pass	Pass	Added anchors and fire stop
154	FD	SB-R-#40	30×35	M&T Engineering	Unknown	Pass	Pass	Replaced Damper

<u>Inspector:</u> Julie Gue

<u>Inspection Dates:</u> June 23 - October 29, 2020

Facility: Old County Courthouse

SA = Supply Air FD = Fire Damper

RA = Return Air SD = Smoke Damper

EA = Exhaust Air FSD = Fire Smoke Damper

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## <u>Fire / Smoke / Fire & Smoke Damper</u> <u>Composite Inspection Report</u>

	FD/SD/FSD	<u>I.D.#</u>	<u>Size</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Visual</u>	<u>Functional</u>	<u>Comments</u>
156	FD	SB-R-#41	11.5×24	Ruskin	IBD20	Pass	Pass	Has been achored
157	FD	SB-R-#42	16X14	Ruskin	IBD20	Pass	Pass	None
158	FD	SB-R-#43	12X12	M&T Engineering	Unknown	Pass	Pass	None
159	FD	SB-R-#44	24X14	Ruskin	IBD20	Pass	Pass	None
160	FD	SB-R-#45	30X28.5	M&T Engineering	Unknown	Pass	Pass	None
161	FD	SB-R-#46	20X20	M&T Engineering	Unknown	Pass	Pass	None
162	FD	SB-R-#47	16X15	M&T Engineering	Unknown	Pass	Pass	None
163	FD	SB-R-#48	17.5×13.5	Ruskin	IBD2	Pass	Pass	None
164	FD	SB-R-#49	27.5×21.5	Ruskin	IBD2	Pass	Pass	None
165	FD	ELV#3-S	14×18	Ruskin	IBD2	Pass	Pass	None
166	FD	ELV#3-R	30×14	Ruskin	IBD2	Pass	Pass	None
167	FD	ELV#4-S	18×14	Ruskin	IBD2	Pass	Pass	None
168	FD	ELV#4-R	30×14	Ruskin	IBD2	Pass	Pass	None

 $\underline{\text{Inspector:}} \qquad \qquad \text{Julie Gue} \qquad \qquad \text{SA = Supply Air} \qquad \text{FD = Fire Damper}$ 

<u>Inspection Dates:</u> SD = Smoke Damper