

CARTER ARCHITECTURAL PANELS INC. TEST REPORT

SCOPE OF WORK

NFPA 285-2019, TESTING ON EXTERIOR NON-LOAD-BEARING WALL ASSEMBLY CONTAINING CARTER ARCHITECTURAL PANELS INC. EVO "RIVETLESS" PERIMETER ATTACHMENT SYSTEM AND 2MM EVOPLATE, COIL COATED SOLID ALUMINUM PLATE BY ARCHITECTURAL SYSTEMS GROUP LLC.

REPORT NUMBER

104488273SAT-005A R0

TEST DATE(S)

01/27/21

ISSUE DATE [REVISED DATE]

05/24/21 N/A

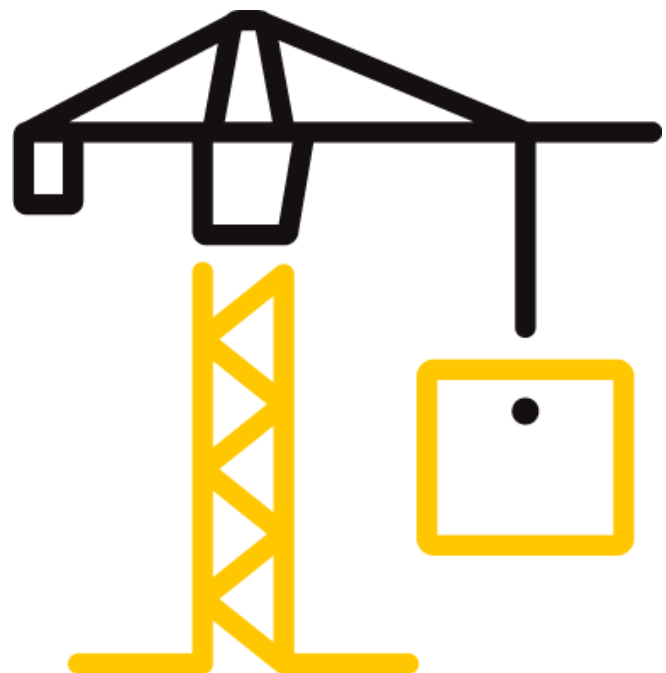
PAGES

59

DOCUMENT CONTROL NUMBER

GFT-OP-10c (09/29/20)

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

REPORT ISSUED TO

CARTER ARCHITECTURAL PANELS INC.

221 E. Willis Road "A" Unit 18

Chandler, AZ 85286

SECTION 1


SCOPE

Intertek Testing Services NA, Inc. dba Intertek Building & Construction (B&C) was contracted by Firestone Building Products, LLC, 1245 Chapman Dr., Waukesha, WI 53186, to perform testing in accordance with NFPA 285, *Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components*, dated November 2018, on the Carter Architectural Panels Inc. EVO "RIVETLESS" PERIMETER ATTACHMENT SYSTEM AND 2MM EVOPLATE, COIL COATED SOLID ALUMINUM PLATE BY ARCHITECTURAL SYSTEMS GROUP LLC. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek Testing Services NA, Inc. test facility in Elmendorf, Texas.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens (where required by Certification or Accreditation bodies), or other pertinent project documentation, will be retained for the entire test record retention period.

For INTERTEK B&C:

COMPLETED BY:	Emmanuel Ogoe	REVIEWED BY:	Mike Dey
TITLE:	Project Engineer – Fire Resistance	TITLE:	Senior Project Engineer
SIGNATURE:		SIGNATURE:	
DATE:	05/07/21	DATE:	05/10/21

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SECTION 2

SUMMARY OF TEST RESULTS

NFPA 285 Test Results

The Carter Architectural Panels Inc. EVO “RIVETLESS” PERIMETER ATTACHMENT SYSTEM AND 2MM EVOPLATE, COIL COATED SOLID ALUMINUM PLATE BY ARCHITECTURAL SYSTEMS GROUP LLC system described and tested in this report met the Conditions of Acceptance of **NFPA 285, Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components, dated November 2018**. Construction of the full assembly is summarized in Section 8 of this test report.

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SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

NFPA 285-2019, STANDARD FIRE TEST METHOD FOR EVALUATION OF FIRE PROPAGATION CHARACTERISTICS OF EXTERIOR WALL ASSEMBLIES CONTAINING COMBUSTIBLE COMPONENTS, dated November 2018.

SECTION 4

MATERIAL SOURCE/INSTALLATION

Test samples were provided by the client. The results outlined in this report apply to the sample as received. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

The test samples were received by the test facility on 01/18/20

SECTION 5

EQUIPMENT

ASSET #	DESCRIPTION	MODEL	CAL DUE DATE
99LE006	Data Acquisition Unit	Yokogawa	04/02/21
170558057	Stopwatch	Fisherbrand	07/24/21
10361080	Thermo Hygrometer	Omega	07/23/21

SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Mark Fortney	GACO
Chad Johnson	GACO
Brad Glazier	IFTI
Abel DeHoyos	Intertek B&C
Emmanuel Ogoe	Intertek B&C

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SECTION 7

TEST PROCEDURE

The wall assembly was instrumented with thermocouples (TCs) in accordance with Figures 6.1(a) and 6.1(b); Detail H, of NFPA 285-2019 test method. 18 GA, Type K TCs were used in the burn room and 24 GA, Type K were used on the exterior façade and combustible core space. The window burner was positioned in the center of the opening and 4 in. off the exterior face of the wall assembly. Testing was performed on 01/27/2021 in accordance with NFPA 285-2019 test method. Ambient conditions were 65°F and 26% relative humidity. Video recording, digital photographs, visual observations, and data collection were performed prior, during, and after testing was completed. Temperature data was recorded every 15 seconds. The test was initiated at 11:14 a.m. with the burners on for 30 minutes. All observations are recorded in the table located in Section 8.

The apparatus is considered to be under calibrated conditions when the time average temperatures and the time average heat flux readings obtained for a calibration wall match the requirements of Table 8.1.6 of NFPA 285. Calibration was performed with propane gas as the fuel source and the window burner placed 4 inches from the exterior surface of the assembly and vertically centred on the window opening. Table 6.1 of this section shows the average burner flow and heat flux. Table 6.2 shows the time average temperatures obtained during the calibration test. Table 6.3 shows a list of the calibrated equipment used for test.

Table 6.1 Average Burner Output Information

TIME INTERVAL (MIN:SEC)	ROOM BURNER (SCFM)	WINDOW BURNER (SCFM)	2 FT FLUX (W/cm ²)	3 FT FLUX (W/cm ²)	4 FT FLUX (W/cm ²)
0:00-5:00	16.2	0.0	1.3	0.9	1.3
5:00-10:00	16.2	5.9	2.5	1.9	1.8
10:00-15:00	16.2	6.7	2.9	2.2	2.2
15:00-20:00	17.2	7.6	3.8	2.8	3.1
20:00-25:00	17.1	8.5	4.5	3.2	3.4
25:00-30:00	17.7	8.6	4.7	3.6	3.4

Table 6.2 Average Time Temperature Values for Calibration

TIME INTERVAL (MIN:SEC)	THERMOCOUPLE LOCATIONS							
	BURN ROOM (°F)	INT. WALL (°F)	1FT (°F)	2FT (°F)	3FT (°F)	4FT (°F)	5FT (°F)	6FT (°F)
0:00-5:00	1098	1082	556	711	660	610	500	489
5:00-10:00	1331	1332	924	971	927	886	749	734

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10:00-15:00	1388	1398	1002	1020	977	938	805	777
15:00-20:00	1519	1538	1125	1122	1078	1029	900	880
20:00-25:00	1559	1598	1218	1249	1159	1090	971	940
25:00-30:00	1618	1686	1271	1310	1241	1158	1056	1005

SECTION 8

TEST SPECIMEN DESCRIPTION

Framing

Studs used were 3-5/8 in. deep, 20 GA galvanized steel studs, nominal 24 in. oc, secured with #6x1 in. long, pan head framing screws to 20 GA top and bottom track. The framing layout included a stud in the centerline of the window. 4 pcf (64 kg/m3) nominal, 4 in. (102 mm) thick, Thermafiber Safing insulation installed to fully fill the stud cavities at floor line locations. Mineral wool safing installed at a 4 in. depth flush with the bottom surface of the floor line.

Interior cladding

Interior cladding was composed of 4 ft x 8 ft x 5/8 in. thick, USG, TYPE X gypsum board installed with the long dimension perpendicular to the studs, fastened to the framing with #6 x 1-1/4 in. self-drilling zinc-plated Bugle head screws, spaced 8 in. oc around the perimeter and 12 in. oc in the field.

Exterior Sheathing

Exterior sheathing was composed of 4 ft x 8 ft x 5/8 in. thick, Densglass board installed with the long edge perpendicular to the studs; secured with #6 1-1/4 in. self-drill-zinc plated screws, spaced 8 in. at the joints and around the perimeter and 12 in. in the field.

System Framing

The mounting system framing consisted of 5 in. deep with 2" legs, 22 GA thick steel z-girts, oriented vertically, fastened over the exterior sheathing using 1-1/2 in. long self-tapping screws spaced 24 in. oc starting from the bottom of the wall. Steel U-channel of 5 in. deep with a 1-1/2 in. leg, 22 GA thick, was installed around the entire perimeter of the window opening, with one leg fastened through the exterior sheathing into the steel stud.

Wall Insulation

The Firestone Building Products wall used Gaco F1880 ccSPF installed at a nominal thickness of 4 in. on the exterior sheathing between z-girts. International Fireproof Technology Inc. DC315 intumescent coating, spray applied to the surface of the SPF at 18 mils WFT; and Sherwin Williams Shercryl topcoat applied at nominal 8 mils WFT.

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Exterior Panels

The exterior panels were Carter Architectural Panels Inc. EVO “Rivetless” perimeter attachment system and 2mm Evoplate, coil coated solid aluminum panels, measuring nominally 2mm thick, cladding edges bent to interlock together such that all edges and fasteners are concealed after installation.

Panel Joints

The exterior panels contained a nominal 5/8 in. vertical joint that extended upward the full height of the exterior face from the top of the window opening. The vertical joint was centered within the window opening, as permitted by NFPA 285, 2019 edition. The first horizontal joint above the window opening was located 30 in. above the top of the window opening, as permitted by NFPA 285, 2019 edition. All horizontal joints were nominally 5/8 in.

Window opening

Flashing was secured directly to the window track and C channel using self-drilling screws. Sill flashing overlapped onto exterior of wall about 3-15/16 in. (100 mm), including angled drip edge at the bottom. Sill flashing also overlapped onto window jambs underneath jamb flashing. Fastened to the sill at a maximum of 17 in. (432 mm) OC and 1/2 in. (12.7 mm) from the edge. Jamb flashing will overlap 3 in. onto exterior of wall and 2 in. onto header. Fastened to the jambs at a maximum of 10-13/16 in. (274 mm) OC and 1 in. from the edge. Header flashing protrudes out from exterior of wall about 7/8 in. with a drip edge. Fastened to header at maximum 14 in. OC and 1-1/2 in. OC from the edge.

Construction of the wall assembly started on 12/04/2021 and was completed on 01/22/2021.

SECTION 9

TEST OBSERVATIONS

FIRE-RESISTANCE TEST OBSERVATIONS	
Time (Min:Sec)	Exterior Observations
00:00	Test started at 11:14 A.M.
01:22	Window flashing warped
01:40	Smoke from sides and top of wall
05:00	Window burner lit
07:30	Flame tips at 2 ft above window opening
09:20	Slight deflection on panels above window
16:00	Panels above window starting to open up
18:48	Flame tips at 5 ft – centerline
21:50	First row panels burning off and flaking
22:50	Flaming seen inside panels above window

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27:00	Flames burning second row panels
30:00	Gas off, start of observation period
35:00	Residual flaming behind panels above window opening
40:00	Test terminated

FIRE-RESISTANCE TEST OBSERVATIONS	
Time (Min:Sec)	Second Floor Observations
00:00	Test started at 11:14 A.M.
05:00	Window burner lit
06:00	Smoke filling up room, visibility at 95%
11:00	No change
16:00	Room visibility at 95%
21:00	No visible changes
26:00	Room visibility at 95%
30:00	Gas off, end of test

SECTION 10

TEST RESULTS

TEST REQUIREMENTS	TEST RESULTS	PASS/FAIL
Flames did not reach 10 ft. above the window opening header.	Flame spread did not reach 10 ft. above the window opening header.	Pass
Flames did not reach a lateral distance of 5 ft. from the vertical centerline.	Flames did not reach a lateral distance of 5 ft. from the vertical centerline.	Pass
Flames did not propagate beyond the limits of the first story test room.	Flames did not propagate beyond the limits of the first story test room.	Pass
No visible flaming in the second story test room	No visible flaming in the second story test room	Pass
TC's 11 and 14-17 (1000°F limit)	TC 11 did not exceed its 1000°F limit	Pass
TC's 18-19, 28, and 39-40 (750°F above ambient)	TC's 18-19, 28, and 39-40 did not exceed 750°F above ambient temperature	Pass



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SECTION 11:

CONCLUSION

The Carter Architectural Panels, Inc. EVO "RIVETLESS" perimeter attachment system and 2mm EVOPLATE, coil coated solid aluminum plate system **met** the conditions of acceptance outlined in **NFPA 285-19**, STANDARD FIRE TEST METHOD FOR EVALUATION OF FIRE PROPAGATION CHARACTERISTICS OF EXTERIOR WALL ASSEMBLES CONTAINING COMBUSTIBLE COMPONENTS, dated November 2018.

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SECTION 12
PHOTOGRAPHS

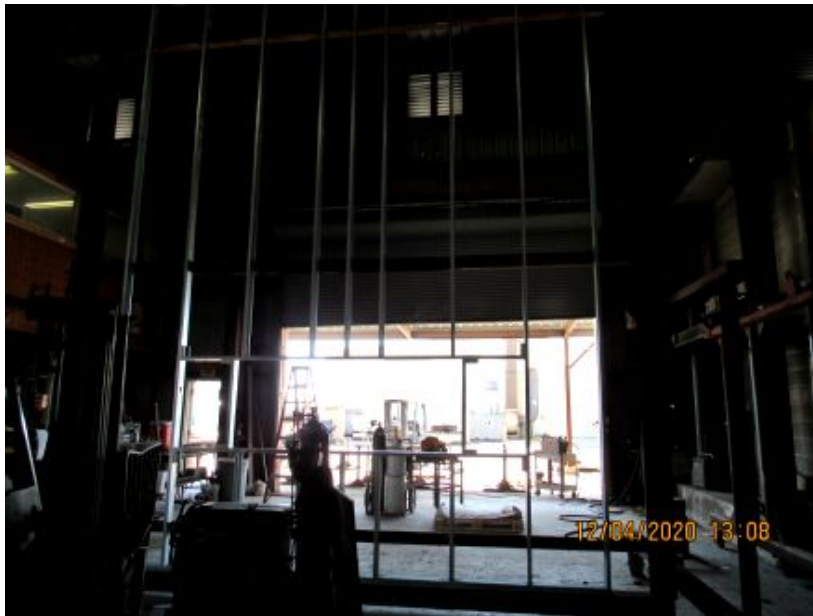


Photo No. 1
Stud wall



Photo No. 2
Exterior sheathing installed

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Photo No. 3
Z-girt depth

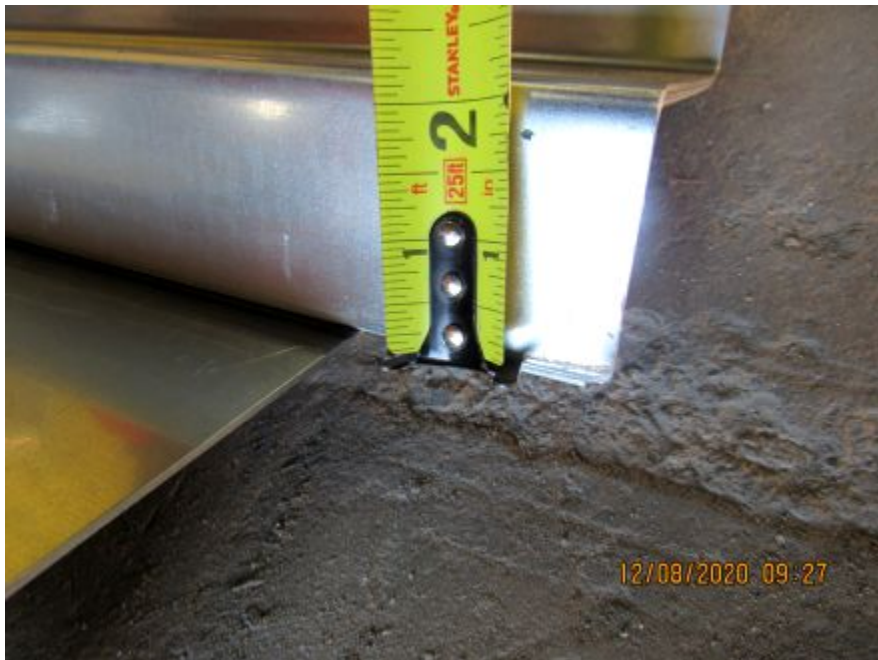


Photo No. 4
Z-girt leg

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Photo No. 5
J-channel depth

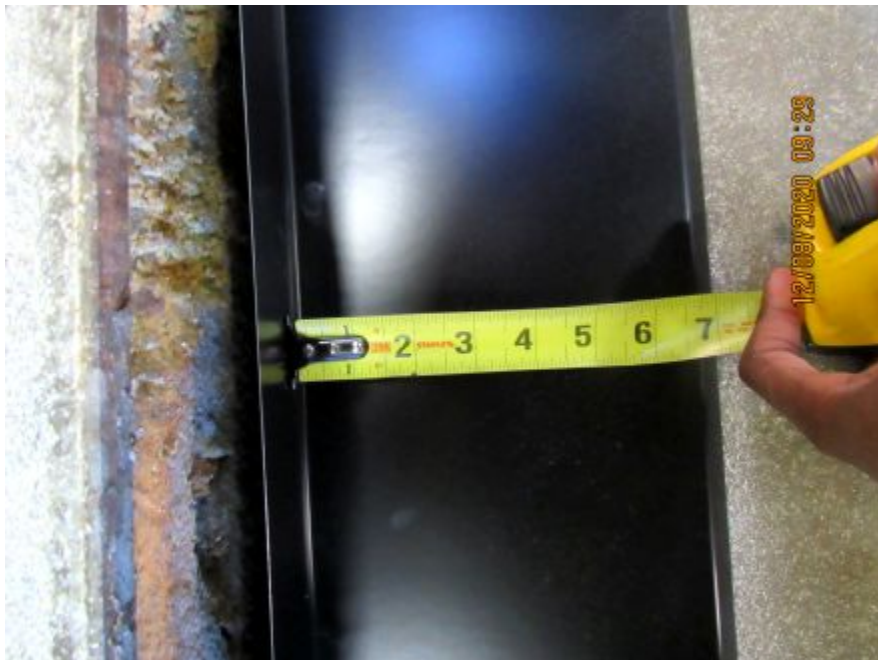


Photo No. 6
Bottom flashing depth

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Photo No. 7
Bottom flashing installed



Photo No. 8
Installation of Z-girts

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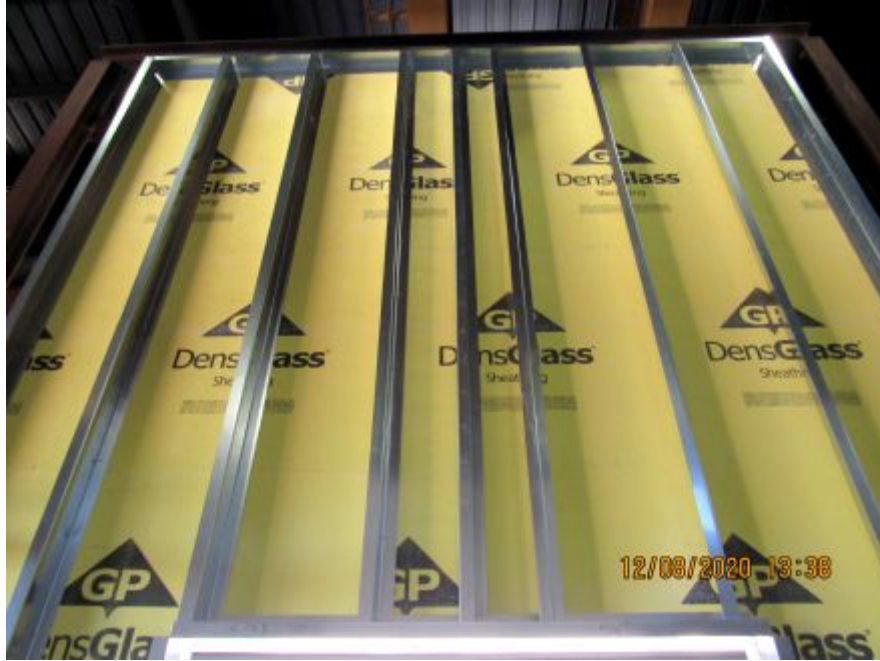


Photo No. 9
Vertical Z-girts installed



Photo No. 10
Z-girt spacing

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Photo No. 11
Wall pre-foam spray



Photo No. 12
F1880 spray foam

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Photo No. 13
Application of spray foam



Photo No. 14
Spray foam complete

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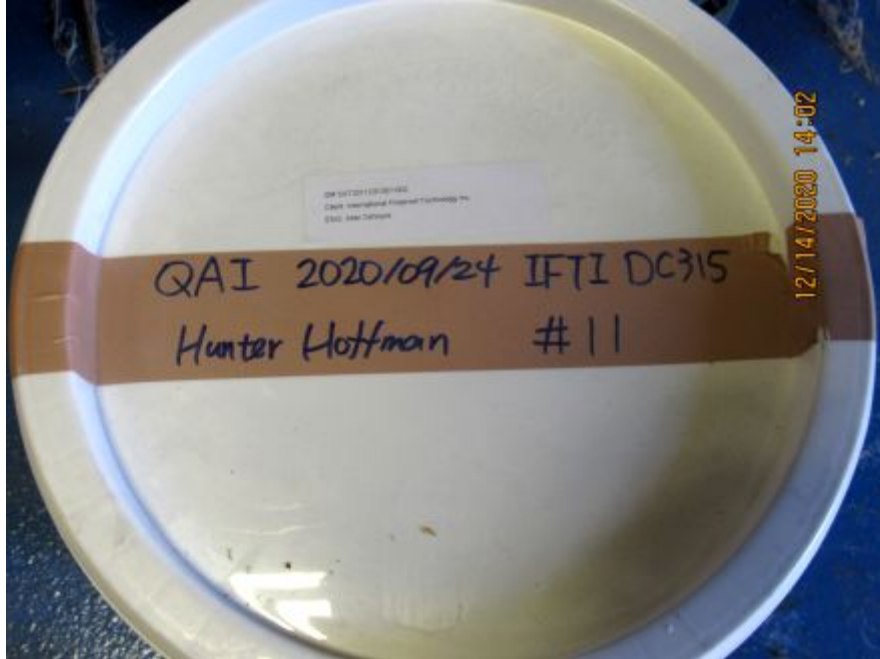


Photo No. 15
DC315 spray



Photo No. 16
Spraying DC315

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Photo No. 17
Spray complete



Photo No. 18
Panel assembly

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Photo No. 19
Wall assembly complete



Photo No. 23
Start of test

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Photo No. 24
Smoking from top of wall



Photo No. 25
Window burner ignited

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Photo No. 26
Flame height at 2 ft above window



Photo No. 27
Flame tips increasing

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Photo No. 29
Panels opening up



Photo No. 30
Second row panels opening up

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Photo No. 31
End of test



Photo No. 32
Residual flaming post-test

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Photo No. 33
Post-test

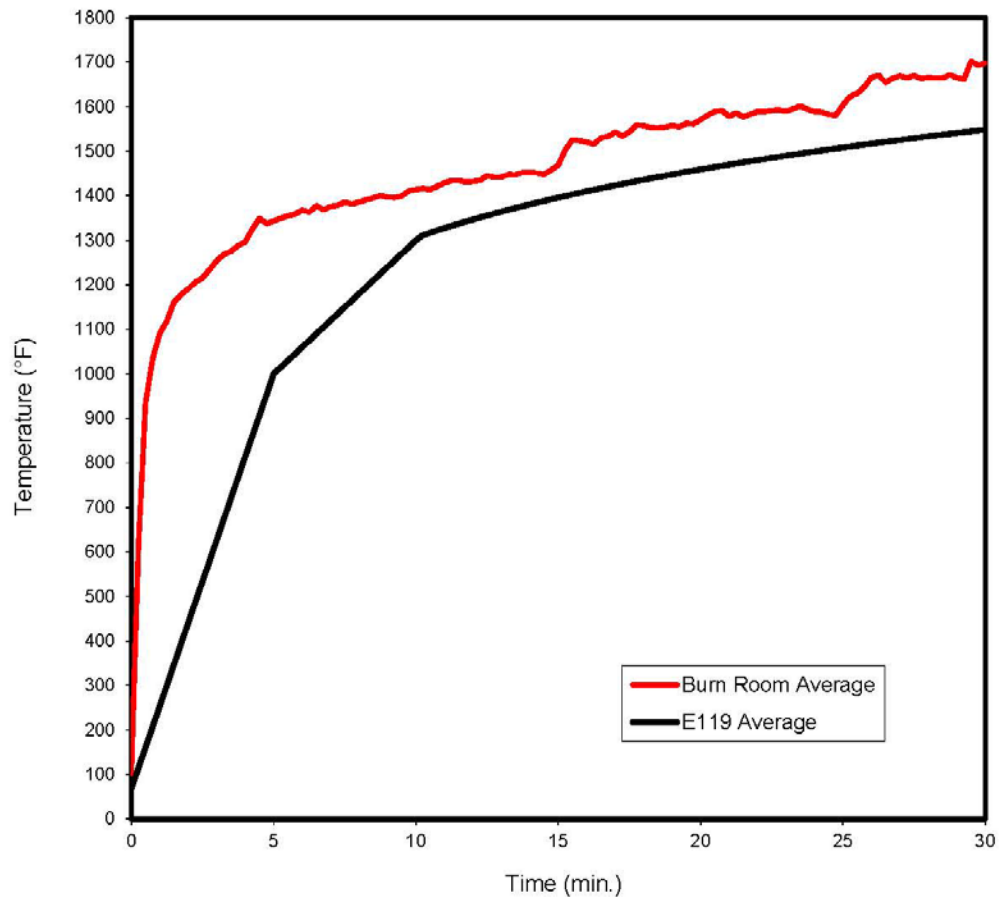
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SECTION 13 GRAPHS

Carter Architectural Panels Inc. Project No. G104488273SAT-005a January 27, 2021 Burn Room Average

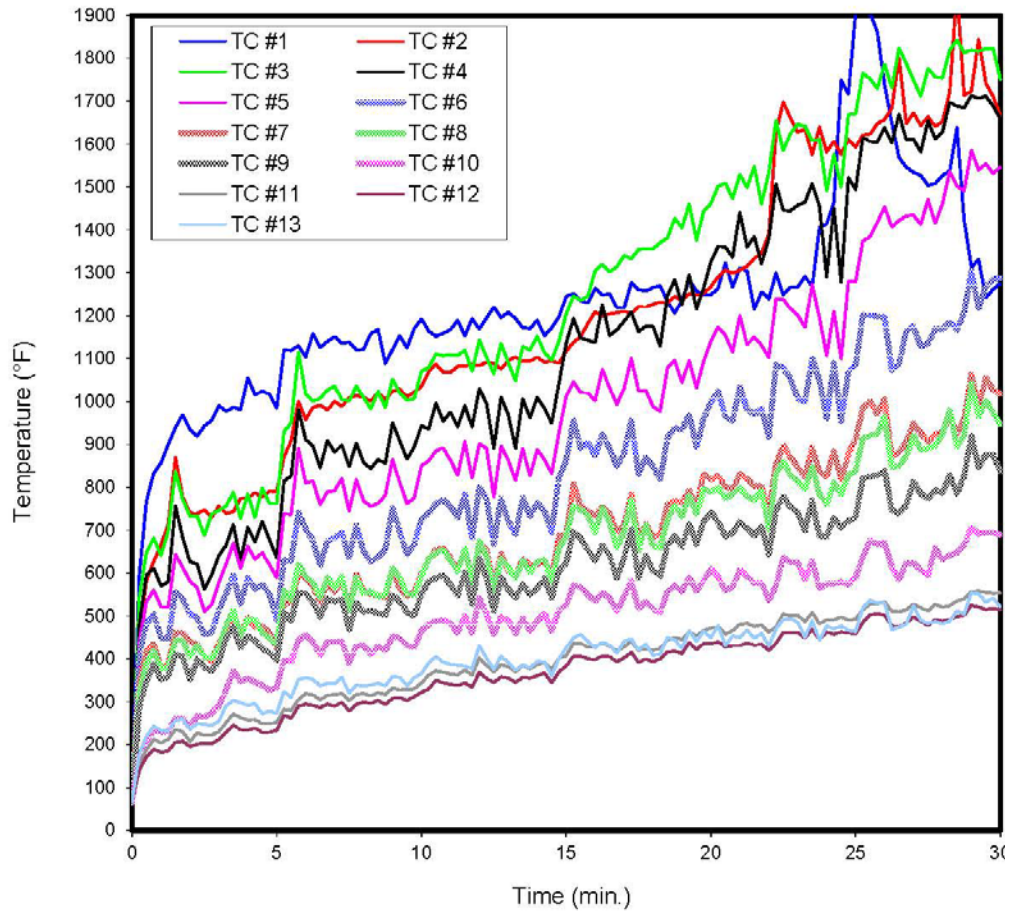


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Carter Architectural Panels Inc.
Project No. G104488273SAT-005a
January 27, 2021
Vertical Face
TC 1-13



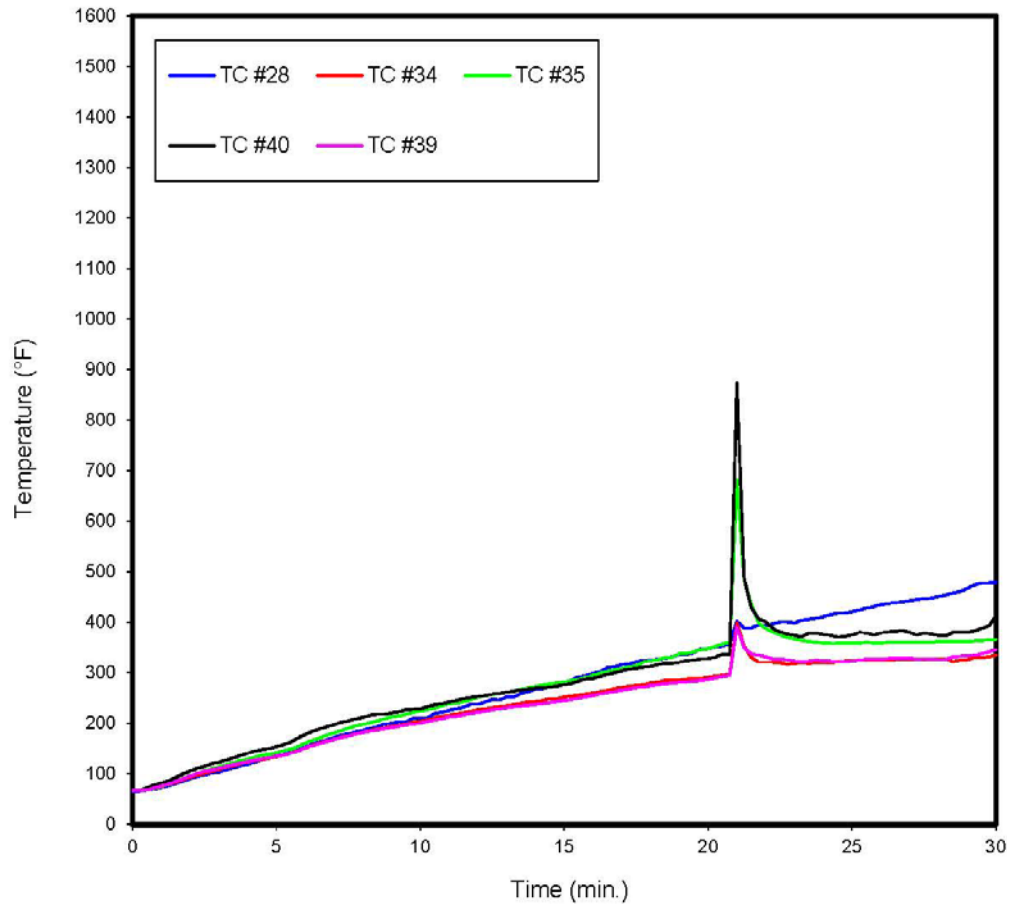
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Carter Architectural Panels Inc.
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January 27, 2021
10-ft Air Cavity
TC 28, 34, 35, 40, 39

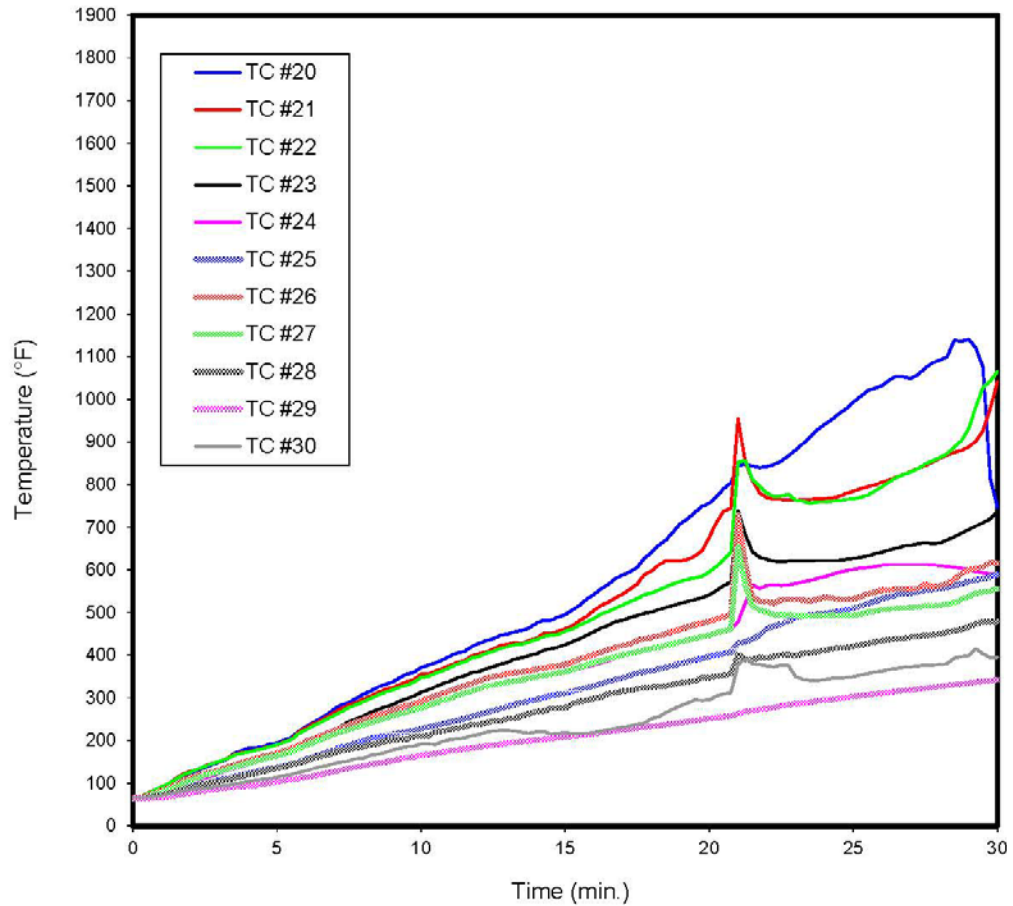


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Date: 05/24/21

Carter Architectural Panels Inc. Project No. G104488273SAT-005a January 27, 2021 Vertical Air Cavity TC 20-30

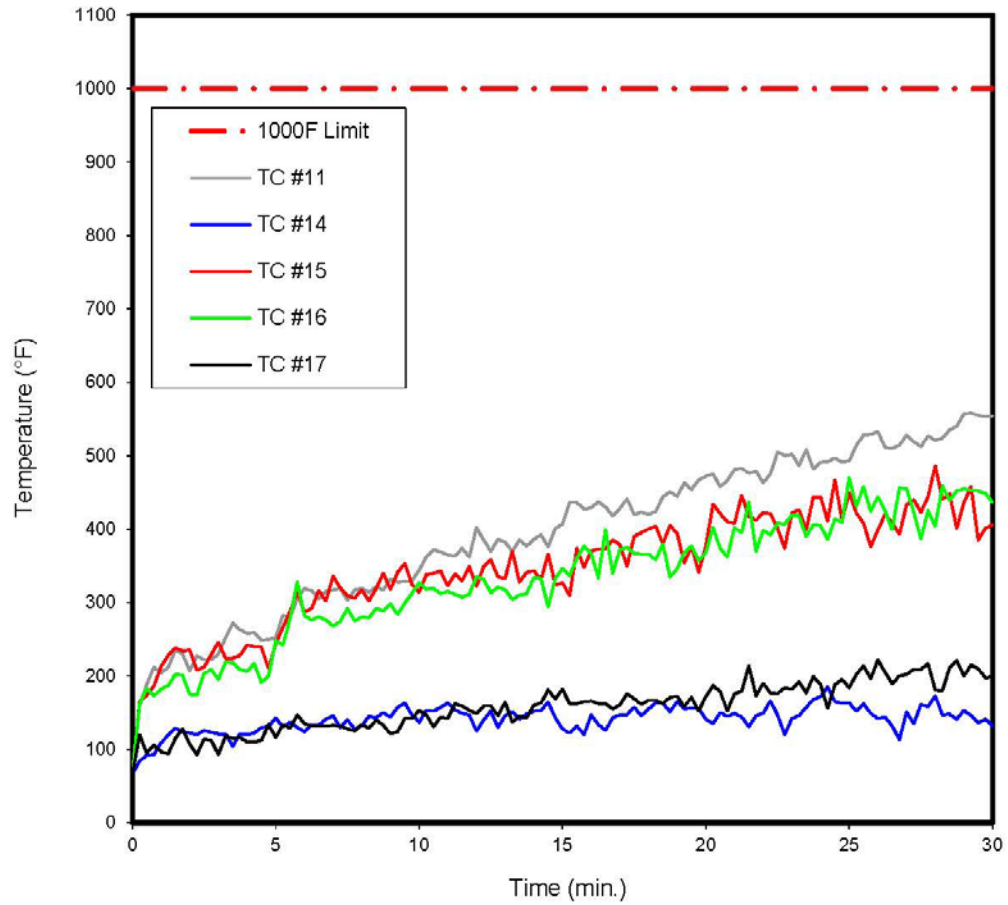


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Carter Architectural Panels Inc.
Project No. G104488273SAT-005a
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10-ft Front Face
TC 11, 14-17

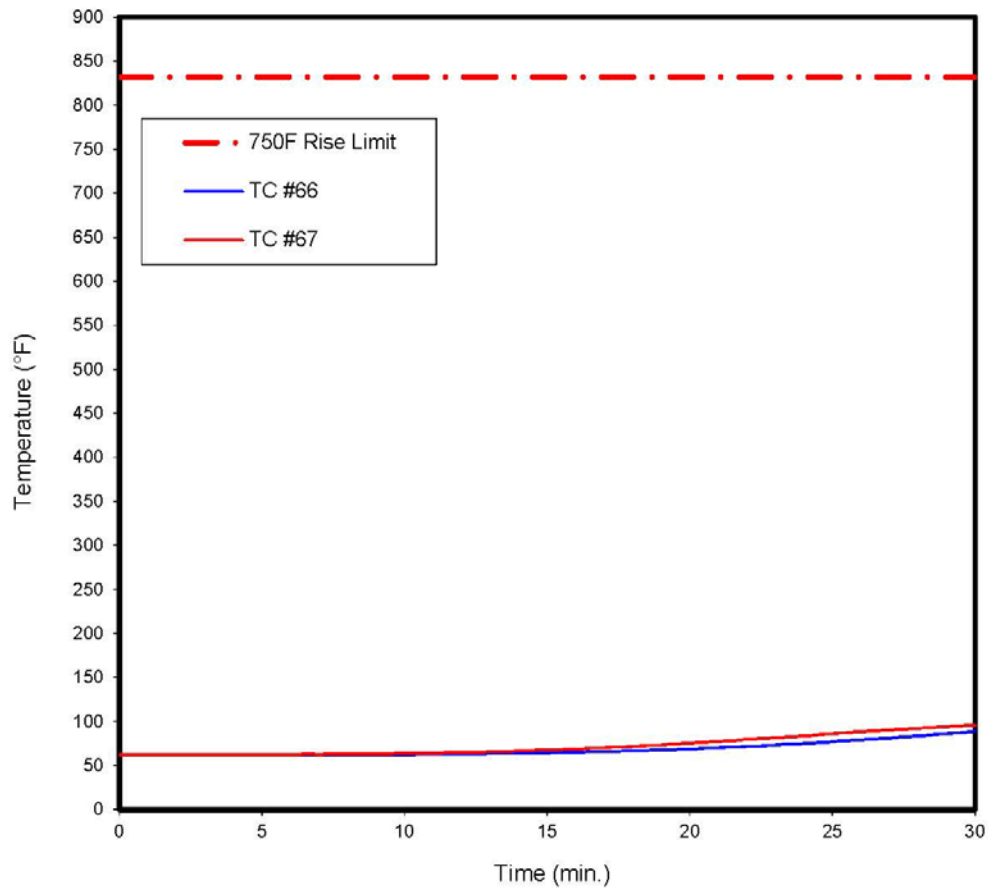


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Carter Architectural Panels Inc. Project No. G104488273SAT-005a January 27, 2021 Insulation TC 66, 67

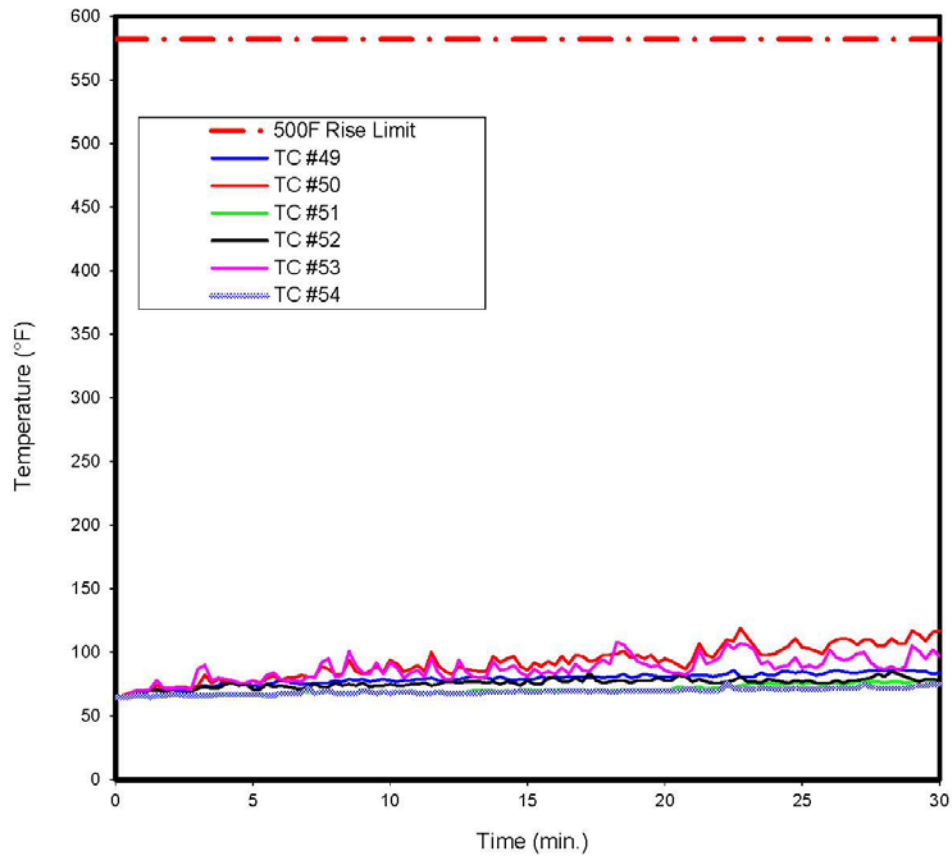


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Carter Architectural Panels Inc.
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2nd Floor, 1-in from wall
TC 49-54

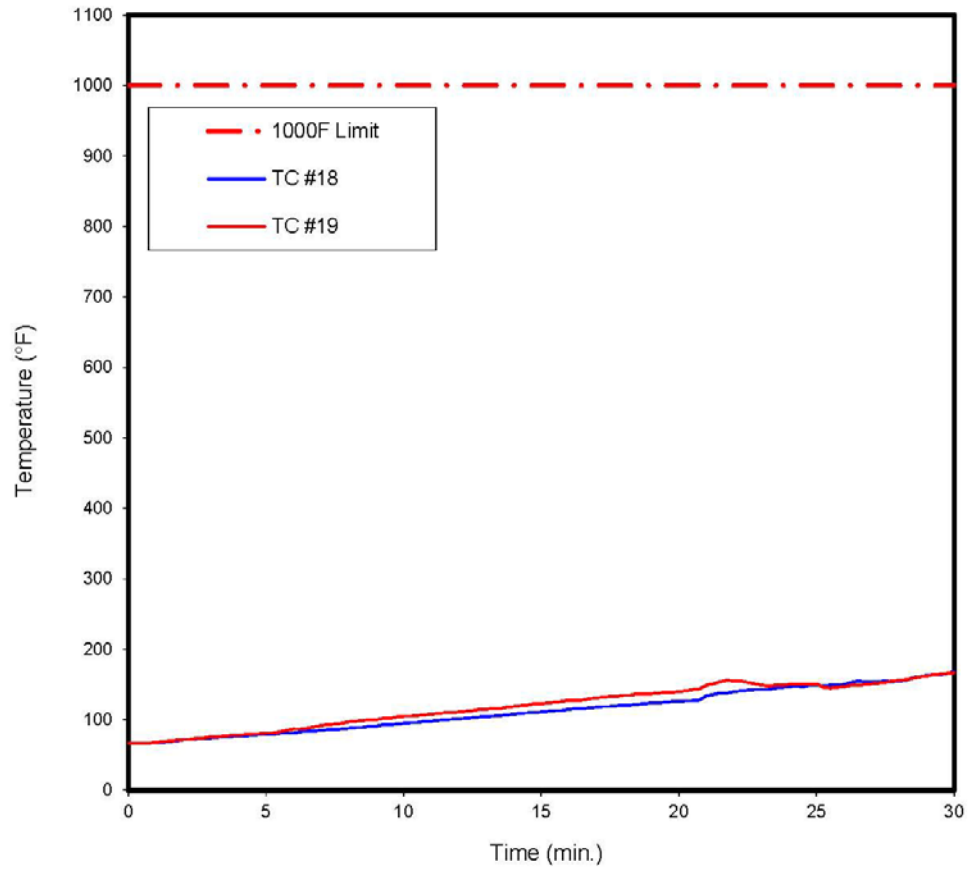


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Carter Architectural Panels Inc.
Project No. G104488273SAT-005a
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Air Cavity
TC 18, 19

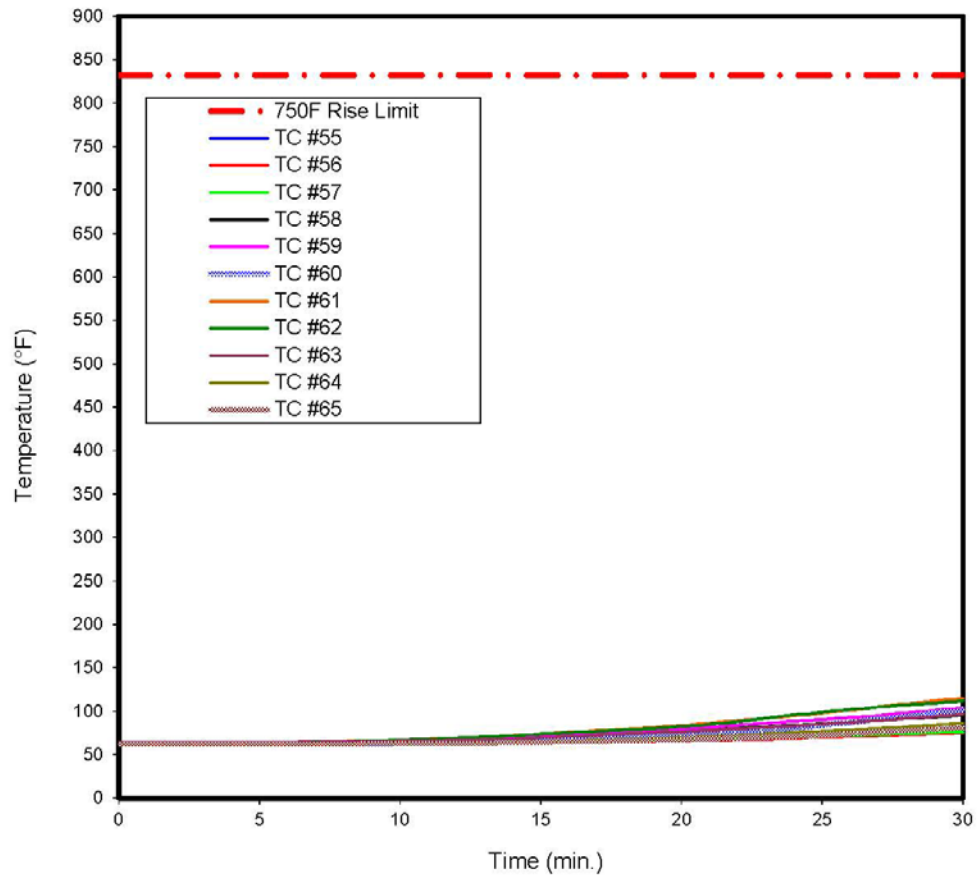


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Carter Architectural Panels Inc. Project No. G104488273SAT-005a January 27, 2021 Insulation TC 55-65

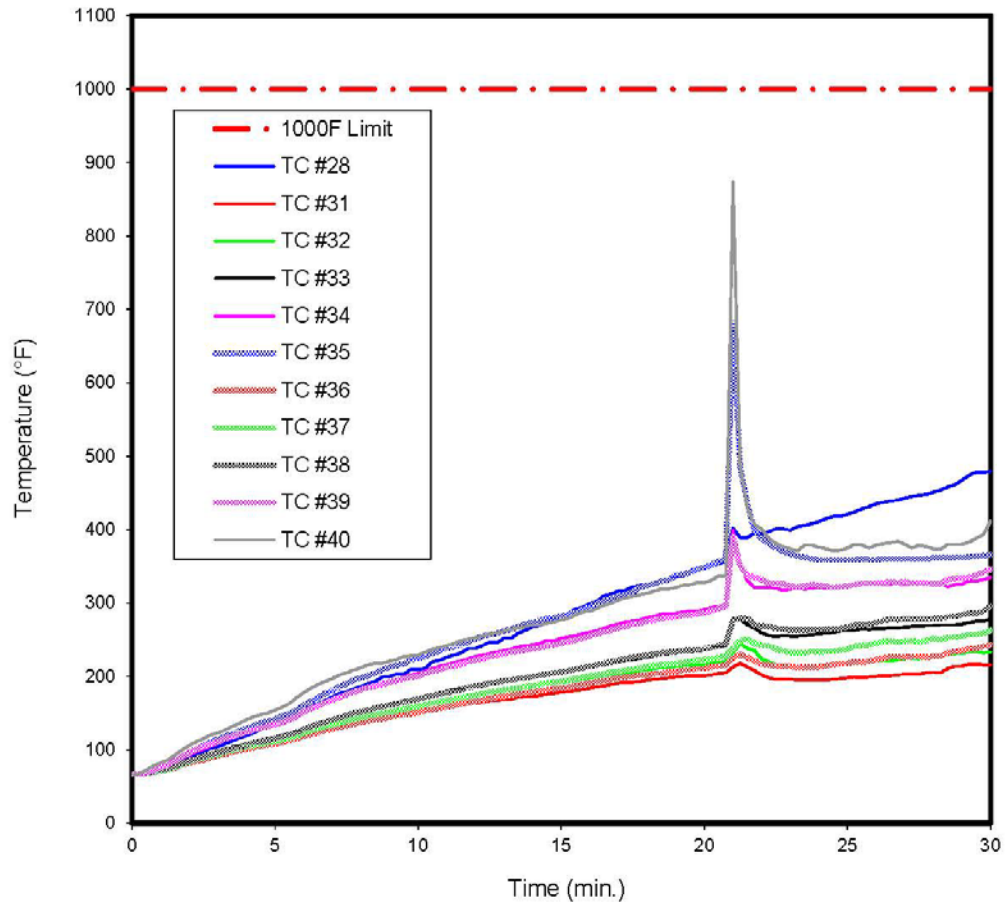


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Carter Architectural Panels Inc.
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Air Cavity
TC 28, 31-40

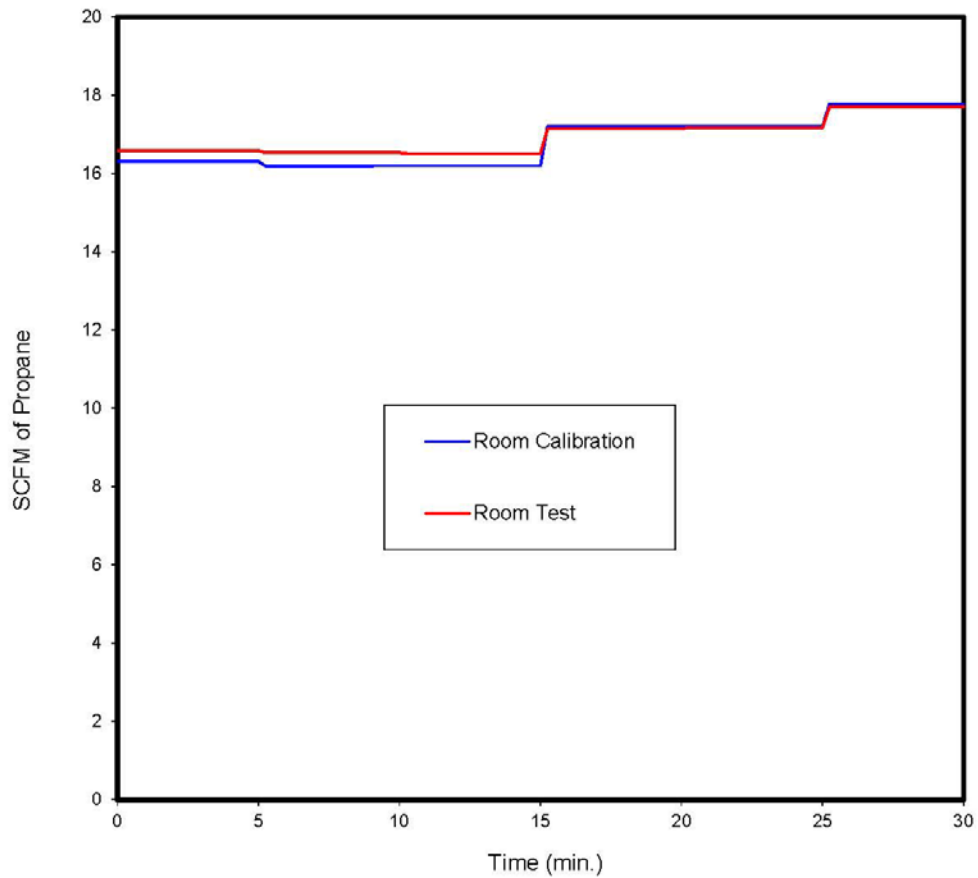


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**Carter Architectural Panels Inc.
Project No. G104488273SAT-005a
January 27, 2021
Room Burner Flow Rates**

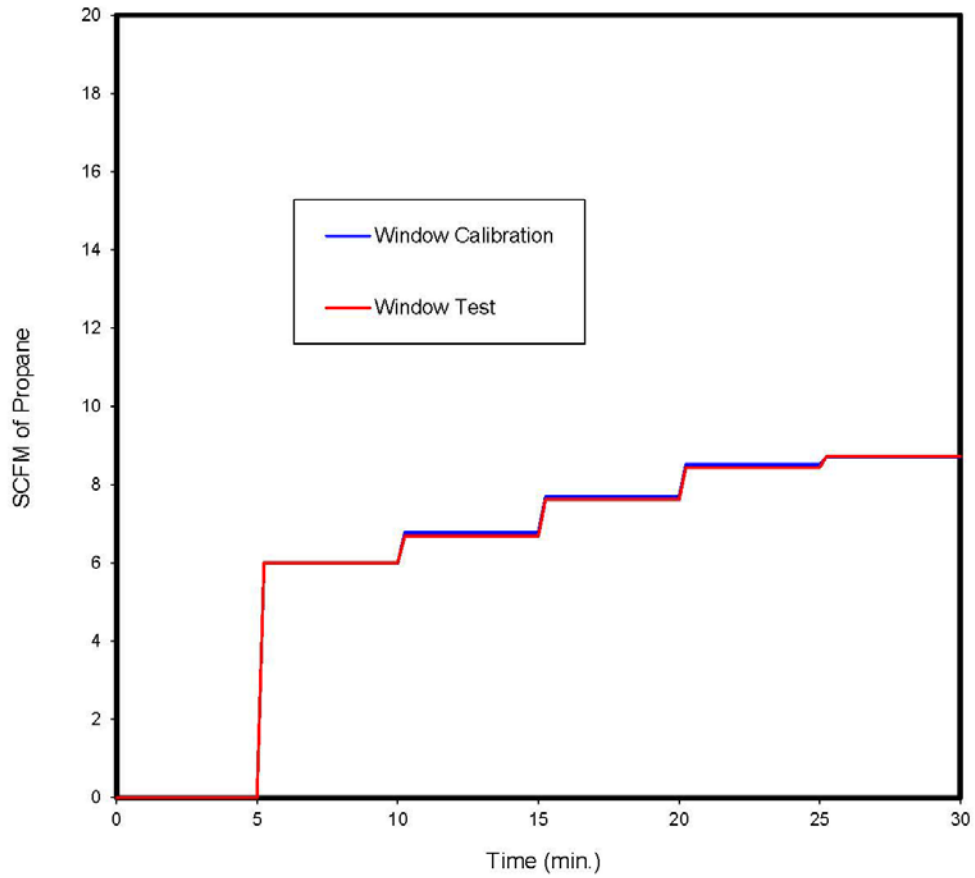


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Carter Architectural Panels Inc. Project No. G104488273SAT-005a January 27, 2021 Window Burner Flow Rates



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SECTION 14 NUMERICAL RESULTS

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Burn Room (°F)	E119 Average (°F)	TC #1 - TC #11											Pass/Fail	
			TC #1 (°F)	TC #2 (°F)	TC #3 (°F)	TC #4 (°F)	TC #5 (°F)	TC #6 (°F)	TC #7 (°F)	TC #8 (°F)	TC #9 (°F)	TC #10 (°F)	TC #11 (°F)	TC #12 (°F)	TC #13 (°F)
0.00	102	68	77	67	66	65	66	65	65	66	65	68	68	68	68
0.25	615	115	595	460	544	480	439	414	342	322	288	172	158	140	178
0.50	935	161	768	582	649	595	534	483	417	390	349	208	188	172	219
0.75	1034	208	833	627	682	611	560	505	435	419	387	236	212	189	244
1.00	1092	254	857	666	641	570	522	449	380	377	352	228	204	182	232
1.25	1119	301	900	713	698	579	520	448	388	380	358	231	212	185	232
1.50	1162	348	939	870	838	756	644	556	462	444	410	262	235	205	257
1.75	1179	394	969	777	772	684	613	540	461	444	405	262	230	208	260
2.00	1191	441	935	740	733	626	581	505	440	405	352	240	207	195	236
2.25	1206	487	919	739	733	621	566	495	435	431	399	268	227	201	249
2.50	1215	534	943	747	688	563	511	457	404	404	380	265	222	203	248
2.75	1234	581	956	730	738	595	526	462	395	401	372	273	222	202	245
3.00	1254	627	990	756	746	641	578	514	437	427	394	291	230	212	255
3.25	1268	674	977	739	756	665	621	551	464	479	447	328	252	228	291
3.50	1275	720	986	743	788	713	670	594	501	511	474	371	272	246	303
3.75	1288	767	981	773	728	629	611	528	453	455	427	346	263	235	298
4.00	1297	814	1056	775	784	707	663	589	497	493	454	355	258	234	292
4.25	1325	860	1016	787	730	673	632	563	475	491	443	346	259	239	296
4.50	1349	907	1024	777	798	720	648	573	476	462	424	339	249	228	272
4.75	1338	953	1017	791	762	678	619	551	461	449	413	327	250	229	279
5.00	1343	1000	984	790	761	636	589	492	426	435	396	334	252	233	273
5.25	1350	1015	1120	871	930	814	738	631	527	559	509	396	283	269	324
5.50	1355	1030	1119	909	950	827	737	628	532	537	489	394	280	262	310
5.75	1359	1045	1130	1000	1115	981	891	741	599	619	555	444	305	290	352
6.00	1368	1060	1104	958	1017	911	810	703	588	592	552	456	319	295	356
6.25	1364	1075	1158	986	1001	897	814	676	569	578	532	440	316	292	352
6.50	1378	1090	1126	991	1007	846	760	617	532	543	498	409	305	287	337
6.75	1369	1105	1140	980	1027	909	789	675	577	589	540	440	315	295	343
7.00	1376	1120	1151	1000	1036	882	792	682	555	565	534	440	317	290	342
7.25	1379	1135	1135	988	1005	899	820	695	585	592	539	441	319	299	357
7.50	1386	1150	1138	1009	1001	849	745	637	515	511	469	390	303	279	320
7.75	1381	1165	1120	1014	1036	903	817	711	596	589	530	430	317	294	339
8.00	1386	1180	1122	1010	1009	858	768	650	558	552	510	431	319	300	336
8.25	1391	1195	1158	1000	983	844	756	627	551	558	513	411	314	297	339
8.50	1395	1210	1168	1021	1023	865	762	638	548	545	506	430	321	303	343
8.75	1401	1225	1089	1004	986	856	781	655	544	549	503	419	317	294	337
9.00	1397	1240	1121	1024	1052	950	865	751	609	611	549	453	332	308	359
9.25	1396	1255	1153	1029	1020	908	811	696	563	588	534	449	328	310	357
9.50	1400	1270	1125	1011	1003	866	762	644	546	552	509	431	329	303	337
9.75	1411	1285	1170	1022	1007	894	775	668	555	548	501	427	330	312	356
10.00	1414	1300	1192	1035	1071	944	851	726	598	594	552	466	344	322	366
10.25	1416	1312	1164	1070	1079	936	862	740	632	634	581	481	362	330	391
10.50	1414	1317	1152	1087	1111	996	885	761	655	647	588	488	372	350	405
10.75	1422	1323	1159	1069	1107	954	892	770	657	655	595	491	369	344	392
11.00	1429	1328	1167	1068	1109	975	864	756	636	628	573	484	365	341	387
11.25	1434	1333	1189	1082	1108	941	829	730	607	604	548	461	363	338	385
11.50	1435	1337	1153	1082	1119	989	906	784	656	657	602	500	374	344	383
11.75	1431	1342	1193	1087	1071	941	822	682	581	574	528	461	362	334	377
12.00	1432	1347	1169	1084	1143	1030	901	800	668	674	634	542	402	369	431
12.25	1435	1351	1195	1092	1103	995	891	774	654	639	589	506	385	354	401
12.50	1445	1356	1220	1089	1065	891	777	668	569	555	512	458	370	345	376



Total Quality. Assured.

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Burn Time (min)	Room	E119 Average (°F)	TC #1 (°F)	TC #2 (°F)	TC #3 (°F)	TC #4 (°F)	TC #5 (°F)	TC #6 (°F)	TC #7 (°F)	TC #8 (°F)	TC #9 (°F)	TC #10 (°F)	Pass/Fail		
													TC #11 (°F)	TC #12 (°F)	TC #13 (°F)
12.75	1442	1360	1195	1076	1135	1010	896	774	645	633	590	498	386	358	406
13.00	1442	1364	1208	1096	1091	969	863	722	605	613	562	490	382	355	391
13.25	1448	1369	1193	1104	1049	891	816	691	594	588	543	460	370	345	373
13.50	1448	1373	1172	1094	1129	1006	890	775	633	629	573	495	385	357	386
13.75	1452	1377	1170	1095	1120	962	827	733	618	602	550	465	377	355	379
14.00	1452	1381	1189	1103	1152	1009	888	763	620	627	566	489	386	361	394
14.25	1451	1385	1153	1092	1114	984	865	745	626	632	587	505	392	367	393
14.50	1448	1388	1172	1095	1097	949	833	696	590	578	542	466	376	344	360
14.75	1458	1392	1197	1090	1140	1042	927	822	688	657	605	513	401	370	401
15.00	1469	1396	1245	1117	1204	1136	1011	862	689	687	623	526	407	383	425
15.25	1504	1400	1252	1138	1246	1193	1046	955	808	756	697	571	436	406	450
15.50	1526	1403	1235	1151	1236	1148	1021	891	758	747	681	567	436	406	457
15.75	1524	1407	1230	1182	1246	1143	1020	903	744	735	654	550	427	400	441
16.00	1521	1410	1264	1209	1304	1137	1002	875	735	696	629	534	429	398	426
16.25	1516	1414	1249	1199	1320	1226	1075	924	753	751	665	554	437	407	439
16.50	1530	1417	1251	1204	1303	1154	1032	891	738	718	641	542	430	405	432
16.75	1534	1420	1219	1207	1314	1167	993	850	697	660	589	511	418	393	413
17.00	1543	1424	1218	1210	1340	1187	1031	881	714	696	635	545	428	402	441
17.25	1534	1427	1277	1205	1333	1208	1101	955	783	770	702	581	441	415	447
17.50	1544	1430	1261	1221	1354	1163	1026	830	674	653	588	517	420	392	421
17.75	1559	1433	1258	1220	1356	1175	1026	871	715	713	642	533	423	399	434
18.00	1557	1436	1266	1227	1356	1175	988	849	685	664	605	516	420	393	408
18.25	1553	1439	1270	1232	1370	1129	977	819	691	660	593	509	424	400	411
18.50	1553	1442	1233	1230	1381	1247	1079	916	760	725	667	556	444	416	451
18.75	1554	1445	1206	1245	1427	1284	1096	938	768	757	686	571	451	418	444
19.00	1558	1448	1236	1236	1405	1227	1045	935	764	732	662	557	445	412	425
19.25	1555	1451	1283	1252	1461	1295	1095	969	792	780	715	590	463	438	466
19.50	1563	1454	1258	1248	1376	1216	1032	894	753	738	668	559	454	421	441
19.75	1561	1457	1249	1252	1444	1265	1094	960	831	796	720	582	467	436	465
20.00	1571	1459	1249	1268	1462	1326	1140	999	818	789	742	609	472	435	450
20.25	1581	1462	1264	1291	1502	1361	1173	1024	827	798	719	591	475	440	478
20.50	1589	1465	1323	1307	1509	1360	1154	964	801	774	686	559	458	428	431
20.75	1591	1467	1267	1299	1474	1336	1116	955	795	784	694	568	466	431	454
21.00	1579	1470	1311	1306	1529	1441	1200	1034	831	798	720	607	481	431	450
21.25	1586	1473	1304	1315	1499	1360	1133	981	820	778	704	593	483	437	467
21.50	1578	1475	1215	1334	1548	1384	1150	970	803	771	688	577	476	432	449
21.75	1583	1478	1256	1345	1461	1322	1131	983	802	791	708	577	479	434	460
22.00	1589	1480	1239	1391	1534	1379	1103	917	741	703	643	537	463	419	430
22.25	1589	1483	1300	1630	1655	1507	1240	1086	856	831	747	570	475	437	470
22.50	1592	1485	1249	1698	1585	1446	1239	1078	897	861	779	637	505	462	492
22.75	1593	1488	1266	1661	1625	1445	1216	1054	870	828	754	625	500	461	494
23.00	1590	1490	1267	1628	1647	1458	1201	1007	848	812	741	625	502	462	486
23.25	1595	1493	1292	1636	1642	1465	1173	1000	825	796	699	585	487	449	451
23.50	1602	1495	1268	1575	1608	1508	1273	1100	892	848	769	628	508	470	489
23.75	1594	1497	1405	1640	1611	1455	1195	1050	838	784	687	564	482	445	444
24.00	1589	1499	1414	1582	1491	1291	1107	960	825	761	685	575	491	463	477
24.25	1588	1502	1464	1606	1576	1451	1210	1090	885	811	729	575	492	458	470
24.50	1583	1504	1749	1576	1500	1278	1100	954	818	784	706	580	497	463	477
24.75	1581	1506	1717	1611	1669	1522	1281	1070	878	828	722	573	491	461	467
25.00	1604	1508	1907	1593	1671	1494	1280	1086	913	839	730	589	493	459	464
25.25	1623	1511	2007	1621	1765	1616	1374	1202	984	914	821	637	514	485	519



Total Quality. Assured.

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Burn Room (°F)	E119 Average (°F)	Pass/Fail												
			TC #1 (°F)	TC #2 (°F)	TC #3 (°F)	TC #4 (°F)	TC #5 (°F)	TC #6 (°F)	TC #7 (°F)	TC #8 (°F)	TC #9 (°F)	TC #10 (°F)	TC #11 (°F)	TC #12 (°F)	TC #13 (°F)
25.50	1630	1513	1905	1624	1752	1606	1384	1201	1000	921	825	677	528	503	537
25.75	1644	1515	1862	1648	1730	1605	1418	1198	971	925	828	667	529	506	530
26.00	1666	1517	1739	1658	1786	1639	1454	1197	1005	964	839	671	533	502	530
26.25	1671	1519	1650	1684	1731	1603	1407	1073	874	847	747	615	511	477	469
26.50	1655	1521	1569	1801	1824	1670	1422	1087	882	850	739	583	510	475	474
26.75	1664	1523	1546	1648	1788	1611	1433	1164	905	873	758	622	514	484	482
27.00	1670	1525	1534	1673	1749	1611	1435	1175	950	921	813	623	528	498	523
27.25	1665	1527	1527	1644	1712	1582	1413	1128	926	887	785	607	519	488	490
27.50	1670	1529	1504	1664	1775	1655	1471	1135	906	891	774	594	512	478	483
27.75	1664	1531	1508	1642	1757	1613	1416	1169	923	898	793	659	527	492	487
28.00	1666	1533	1527	1653	1754	1628	1461	1169	931	924	786	632	521	488	482
28.25	1665	1535	1537	1720	1819	1697	1536	1184	964	979	829	642	524	492	488
28.50	1665	1537	1639	1961	1843	1689	1502	1167	927	896	785	648	535	499	512
28.75	1672	1539	1422	1714	1814	1685	1492	1207	958	922	827	666	540	502	505
29.00	1666	1541	1313	1723	1820	1713	1585	1304	1064	1041	921	706	557	525	554
29.25	1661	1543	1331	1845	1817	1707	1540	1217	989	966	847	692	558	521	552
29.50	1702	1545	1242	1742	1823	1712	1554	1269	1055	1002	877	695	555	515	532
29.75	1694	1547	1262	1711	1823	1689	1531	1284	1028	974	876	695	553	518	542
30.00	1698	1549	1275	1668	1751	1659	1547	1289	1018	946	838	690	554	514	521
Max Temp			2007	1961	1843	1713	1585	1304	1064	1041	921	706	558	525	554
Max Allowed													1000		



Total Quality. Assured.

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	TC #20 (°F)	TC #21 (°F)	TC #22 (°F)	TC #23 (°F)	TC #24 (°F)	TC #25 (°F)	TC #26 (°F)	TC #27 (°F)
	TC #14 (°F)	TC #15 (°F)	TC #16 (°F)	TC #17 (°F)	TC #18 (°F)	TC #19 (°F)								
0.00	66	66	67	66	67	67	68	67	67	67	66	66	67	66
0.25	84	165	162	120	67	67	68	68	67	67	66	66	67	66
0.50	92	174	183	95	67	67	75	76	75	71	69	68	69	68
0.75	93	186	173	106	67	67	84	84	84	75	73	71	76	73
1.00	109	213	182	97	68	68	90	92	92	81	78	74	83	79
1.25	119	228	187	94	68	69	96	99	99	86	82	77	88	85
1.50	129	238	202	115	69	70	107	112	110	95	90	83	97	91
1.75	124	234	201	128	70	71	118	121	119	105	97	90	106	100
2.00	122	235	175	107	72	72	124	128	126	110	102	93	113	106
2.25	120	208	174	93	72	72	130	132	133	117	108	96	118	112
2.50	126	212	203	114	73	74	137	141	140	122	112	99	122	118
2.75	123	229	209	112	74	74	144	147	146	127	117	103	127	123
3.00	121	246	195	93	74	76	150	151	152	132	123	107	132	127
3.25	121	224	219	118	75	76	156	158	157	138	129	113	138	132
3.50	104	224	218	115	76	77	170	168	166	145	134	115	143	138
3.75	121	228	209	116	76	78	176	172	170	149	139	119	149	143
4.00	120	242	206	110	77	78	182	174	173	152	144	123	153	147
4.25	122	240	217	110	77	79	183	178	177	156	149	127	158	152
4.50	130	239	191	112	78	80	185	182	181	161	155	132	163	156
4.75	131	210	200	134	79	80	192	186	186	165	160	134	166	161
5.00	143	244	248	116	79	81	194	190	190	170	164	138	171	165
5.25	130	266	242	134	79	81	201	197	196	174	169	141	176	169
5.50	137	288	278	129	81	83	207	203	202	180	175	145	181	175
5.75	130	315	328	147	81	85	221	220	216	190	184	150	189	182
6.00	124	287	282	135	81	87	233	230	225	197	192	157	198	189
6.25	133	292	276	132	83	87	242	239	234	204	199	161	204	195
6.50	133	316	280	132	84	88	252	247	243	211	205	167	210	202
6.75	141	302	276	132	84	90	261	256	252	219	212	173	217	209
7.00	146	336	268	133	85	92	275	266	260	226	219	179	224	215
7.25	130	320	274	132	86	93	284	276	268	235	226	185	231	221
7.50	140	309	292	128	86	94	289	283	278	245	232	189	237	226
7.75	128	306	275	125	87	95	299	289	284	251	237	195	244	231
8.00	132	317	280	134	88	97	308	297	291	258	243	199	249	237
8.25	145	302	279	129	89	98	316	304	299	266	250	205	256	243
8.50	143	319	292	140	89	99	325	312	306	273	255	208	261	248
8.75	150	340	289	133	91	100	332	320	313	279	260	212	265	253
9.00	144	318	298	121	91	100	337	324	318	284	264	215	271	257
9.25	157	341	284	124	93	102	347	331	325	292	269	218	277	263
9.50	163	353	299	142	93	102	356	338	330	298	273	221	283	268
9.75	147	325	312	142	94	104	360	343	337	304	278	224	285	272
10.00	137	314	327	153	95	105	371	356	348	313	282	228	292	277
10.25	153	338	318	147	96	105	377	356	351	319	285	232	299	283
10.50	152	340	319	131	96	106	382	363	358	326	287	236	305	288
10.75	157	343	312	144	98	107	389	369	364	334	293	240	310	295
11.00	163	323	315	142	98	108	398	376	371	339	297	243	316	298
11.25	154	339	311	162	99	109	405	383	379	347	304	247	323	305
11.50	149	330	307	159	100	110	408	387	384	352	310	252	328	311
11.75	147	349	311	153	101	110	420	398	393	359	316	257	334	315
12.00	125	322	335	149	101	111	428	403	397	362	322	261	340	322
12.25	140	349	332	159	102	112	434	407	404	368	327	266	346	327
12.50	152	358	313	159	103	113	439	414	409	373	332	271	350	330



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Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	TC #20 (°F)	TC #21 (°F)	TC #22 (°F)	TC #23 (°F)	TC #24 (°F)	TC #25 (°F)	TC #26 (°F)	TC #27 (°F)
	TC #14 (°F)	TC #15 (°F)	TC #16 (°F)	TC #17 (°F)	TC #18 (°F)	TC #19 (°F)								
12.75	130	335	321	146	104	115	447	423	416	379	336	275	353	334
13.00	146	333	317	164	105	115	450	426	420	383	340	280	357	337
13.25	151	370	304	137	105	116	455	430	425	391	342	284	359	340
13.50	141	328	310	145	106	116	458	428	426	394	344	289	361	342
13.75	148	341	312	143	107	118	464	435	432	399	346	293	364	347
14.00	152	343	334	160	108	119	475	440	437	403	350	296	367	349
14.25	153	331	333	163	109	120	482	451	444	411	354	301	370	353
14.50	164	366	294	181	110	121	482	452	447	415	357	305	373	355
14.75	143	324	333	169	110	123	489	456	449	419	360	308	375	359
15.00	128	327	346	182	111	123	495	462	456	425	362	311	378	361
15.25	122	309	337	162	112	124	506	469	462	432	366	315	384	367
15.50	132	374	360	162	113	125	517	481	471	439	369	320	391	372
15.75	120	348	377	165	113	126	532	491	478	447	373	324	396	377
16.00	147	370	367	166	115	128	543	505	486	455	377	328	401	382
16.25	134	373	334	162	116	127	556	517	497	464	382	334	407	387
16.50	126	373	399	162	116	128	566	525	502	470	388	339	413	392
16.75	143	385	340	155	117	130	580	535	511	479	393	344	419	396
17.00	147	379	372	160	118	131	588	544	518	482	399	348	423	400
17.25	147	349	375	176	119	132	595	555	526	488	404	353	427	404
17.50	157	390	367	169	119	133	606	567	533	493	409	358	435	408
17.75	146	395	366	161	120	133	628	589	542	498	413	361	439	412
18.00	155	400	366	167	121	135	641	597	546	501	417	364	442	416
18.25	163	404	358	167	121	135	658	612	553	507	420	368	446	419
18.50	163	380	380	162	122	137	670	622	561	512	423	372	450	423
18.75	151	405	335	171	123	137	689	621	567	517	427	376	456	428
19.00	165	394	346	172	124	137	709	622	573	522	431	380	461	432
19.25	155	354	368	158	124	138	720	625	578	526	436	384	467	436
19.50	156	377	377	171	125	139	735	633	581	531	441	389	471	440
19.75	156	341	357	152	126	139	749	645	585	535	446	393	476	444
20.00	141	377	368	172	126	140	756	676	595	542	450	397	479	447
20.25	135	434	402	187	127	141	772	711	608	552	455	401	485	453
20.50	150	421	374	179	127	143	790	738	625	563	458	403	490	457
20.75	145	410	362	152	128	144	804	744	641	572	462	407	495	461
21.00	149	408	402	176	134	149	844	954	852	739	478	429	728	655
21.25	144	446	395	179	136	151	848	853	856	683	522	431	611	563
21.50	131	418	437	214	138	154	843	810	813	642	565	439	536	516
21.75	146	412	370	173	138	156	840	780	796	630	557	447	527	506
22.00	149	422	398	190	140	155	842	769	780	625	563	463	526	501
22.25	166	421	392	177	141	155	847	765	771	621	565	468	522	494
22.50	147	401	408	176	142	153	855	765	773	619	563	474	531	495
22.75	120	374	407	184	143	151	867	764	777	621	565	480	531	494
23.00	142	422	419	182	143	149	881	763	763	622	568	488	531	493
23.25	146	426	418	192	143	148	896	764	761	622	572	492	530	492
23.50	157	399	390	177	145	149	911	765	756	622	575	494	527	491
23.75	168	444	406	199	146	149	928	766	759	623	580	496	531	492
24.00	172	444	405	188	147	150	941	767	759	623	584	498	536	493
24.25	185	411	386	156	148	150	952	768	761	623	589	500	535	494
24.50	165	467	414	188	147	151	966	772	762	623	594	503	531	493
24.75	163	412	409	195	149	150	977	779	765	625	598	507	531	494
25.00	163	450	470	184	149	151	993	784	766	627	601	510	532	493
25.25	152	422	431	202	148	146	1007	790	770	630	604	515	537	496



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Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	TC #20 (°F)	TC #21 (°F)	TC #22 (°F)	TC #23 (°F)	TC #24 (°F)	TC #25 (°F)	TC #26 (°F)	TC #27 (°F)
	TC #14 (°F)	TC #15 (°F)	TC #16 (°F)	TC #17 (°F)	TC #18 (°F)	TC #19 (°F)								
25.50	162	408	458	214	149	145	1020	795	775	633	605	521	544	501
25.75	149	376	424	196	149	146	1026	799	785	638	608	527	548	503
26.00	142	399	444	222	150	147	1032	806	795	642	611	533	553	507
26.25	144	420	425	205	153	149	1045	811	807	647	613	537	552	508
26.50	132	409	399	189	155	149	1054	818	817	651	613	542	557	510
26.75	113	393	456	200	154	150	1052	824	824	656	613	545	556	511
27.00	151	433	455	202	154	151	1049	831	830	658	613	545	555	512
27.25	135	440	423	209	154	152	1058	838	838	661	613	549	557	513
27.50	161	423	387	209	155	153	1073	845	848	664	613	552	566	517
27.75	158	444	425	217	154	155	1085	853	856	661	612	554	560	515
28.00	173	486	404	181	155	156	1092	861	863	663	610	557	563	517
28.25	147	441	459	180	156	157	1099	869	872	670	608	559	568	520
28.50	148	448	439	211	160	159	1138	875	887	677	606	564	578	524
28.75	141	401	452	221	161	161	1136	880	903	686	603	568	591	531
29.00	153	436	455	200	163	162	1140	888	931	694	600	573	600	538
29.25	146	458	453	215	164	164	1121	902	982	703	596	576	603	545
29.50	136	385	452	210	164	165	1075	926	1028	711	593	579	607	549
29.75	141	401	449	197	166	166	814	978	1042	720	590	584	617	551
30.00	132	406	436	199	168	167	747	1041	1065	738	589	589	616	556
Max Temp	185	486	470	222	168	167	1140	1041	1065	739	613	589	728	655
Max Allowed	1000	1000	1000	1000	1000	1000								



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Time (min)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail
	TC #28 (°F)	TC #29 (°F)	TC #30 (°F)	TC #31 (°F)	TC #32 (°F)	TC #33 (°F)	TC #34 (°F)	TC #35 (°F)	TC #36 (°F)	TC #37 (°F)	TC #38 (°F)	TC #39 (°F)	TC #40 (°F)	TC #41 (°F)
0.00	66	65	67	68	68	68	67	67	67	67	67	67	67	107
0.25	66	65	67	68	68	68	67	67	67	67	67	67	67	759
0.50	68	65	67	68	68	68	68	68	68	68	68	69	68	1069
0.75	70	66	69	69	69	70	71	71	69	69	70	72	78	1174
1.00	73	67	72	70	71	72	74	75	71	71	72	76	82	1220
1.25	76	69	75	73	74	75	79	80	73	73	74	80	86	1258
1.50	81	72	79	75	77	78	83	85	75	76	78	85	93	1294
1.75	86	75	82	78	80	82	89	91	79	80	81	91	100	1338
2.00	90	78	85	81	84	86	93	97	82	84	85	96	106	1374
2.25	95	80	87	84	87	89	98	101	84	87	88	101	111	1367
2.50	98	83	89	86	89	92	101	106	86	89	91	105	115	1405
2.75	102	85	90	88	92	95	105	110	89	92	94	108	120	1406
3.00	104	87	93	91	94	98	109	114	92	94	96	111	123	1401
3.25	108	89	96	93	97	101	113	118	94	97	99	115	127	1395
3.50	112	91	98	95	100	104	116	122	97	100	102	118	132	1407
3.75	116	92	101	98	102	106	120	126	99	102	104	121	136	1446
4.00	119	94	104	100	104	108	123	129	101	104	106	124	141	1471
4.25	123	95	107	102	107	111	126	133	103	106	109	127	145	1441
4.50	128	98	109	104	109	113	128	137	105	108	111	130	148	1505
4.75	132	101	111	105	111	115	131	139	107	110	113	132	150	1487
5.00	136	104	114	108	113	117	134	142	108	112	115	135	154	1503
5.25	138	106	118	109	115	120	137	146	110	114	118	137	158	1508
5.50	145	109	120	112	117	122	141	149	113	116	121	141	163	1508
5.75	147	111	125	114	120	125	146	154	115	119	124	145	171	1518
6.00	153	114	129	117	123	129	151	161	118	123	128	152	178	1518
6.25	159	117	134	119	127	132	157	166	121	126	132	156	184	1540
6.50	163	120	139	122	130	136	161	171	124	129	135	160	189	1536
6.75	167	124	142	125	132	139	165	177	126	132	138	164	193	1573
7.00	172	128	147	127	135	142	168	181	128	134	141	168	197	1535
7.25	177	131	150	130	138	145	173	186	131	137	144	172	202	1532
7.50	179	135	153	131	140	148	176	190	133	139	147	175	205	1538
7.75	183	138	158	134	142	150	179	195	135	142	150	179	209	1527
8.00	186	141	159	136	145	153	182	198	138	144	152	182	212	1510
8.25	190	145	166	138	147	155	186	201	140	146	154	185	216	1553
8.50	193	147	168	140	149	158	188	205	141	148	157	187	218	1552
8.75	199	150	172	141	151	160	191	209	142	150	159	189	218	1507
9.00	200	153	178	144	153	162	194	213	145	152	161	192	221	1535
9.25	203	157	182	146	155	164	196	215	147	153	163	194	223	1570
9.50	203	160	185	147	157	167	199	218	148	155	165	197	227	1515
9.75	210	162	187	149	159	168	202	222	149	157	167	199	228	1536
10.00	210	166	192	150	161	171	204	225	151	159	169	200	229	1531
10.25	211	168	192	152	163	173	207	227	154	161	172	204	233	1495
10.50	220	170	191	153	165	175	211	231	155	164	174	207	237	1525
10.75	222	173	198	155	167	177	214	235	157	165	176	209	239	1541
11.00	226	176	202	157	169	180	216	239	159	168	178	213	242	1546
11.25	229	178	204	159	170	182	219	240	161	169	180	214	245	1541
11.50	232	180	206	161	172	184	221	243	163	171	182	217	249	1540
11.75	238	183	211	163	174	186	224	247	165	173	185	220	251	1543
12.00	238	185	214	164	176	188	227	251	166	175	186	222	253	1544
12.25	242	187	219	165	178	190	229	255	168	176	188	224	255	1605
12.50	247	189	222	167	179	191	231	257	170	179	191	227	258	1604



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12.75	246	192	224	167	180	193	233	259	172	180	192	229	259	1561
13.00	252	194	224	169	182	195	235	262	173	182	194	231	262	1527
13.25	252	196	222	169	183	196	237	264	175	183	195	233	264	1558
13.50	259	198	219	172	185	197	240	268	176	184	197	234	266	1524
13.75	263	199	217	173	186	199	242	271	177	186	198	236	268	1549
14.00	268	201	220	173	187	200	243	273	179	187	200	238	270	1570
14.25	269	203	221	174	188	202	245	276	180	189	202	239	270	1515
14.50	276	205	215	176	189	203	249	279	182	191	203	241	272	1527
14.75	276	206	216	177	191	204	249	280	183	192	205	243	274	1540
15.00	277	208	219	179	191	206	252	282	184	193	206	245	277	1568
15.25	286	210	216	180	193	207	254	285	185	195	208	247	279	1634
15.50	292	212	216	181	195	209	256	287	188	197	210	250	284	1663
15.75	294	214	217	182	196	211	258	291	189	199	212	252	288	1676
16.00	299	216	218	184	198	213	260	295	191	201	214	255	289	1637
16.25	302	218	222	186	200	215	263	299	193	202	216	258	293	1616
16.50	310	220	226	187	201	216	265	303	194	204	218	261	297	1656
16.75	312	223	229	189	203	218	269	305	196	206	220	263	300	1694
17.00	316	225	232	191	204	220	271	308	198	207	222	266	304	1677
17.25	317	227	234	192	205	222	274	312	199	209	224	268	307	1648
17.50	322	229	239	192	206	223	275	314	200	210	226	271	309	1646
17.75	324	231	241	193	208	225	277	321	202	212	228	272	311	1695
18.00	325	234	252	195	209	226	280	324	202	213	229	275	313	1696
18.25	327	236	256	196	211	228	282	326	204	215	230	277	316	1670
18.50	328	238	266	197	212	230	285	330	204	216	232	279	319	1659
18.75	332	240	274	198	213	231	286	331	206	217	233	280	319	1683
19.00	336	242	282	199	214	232	286	338	206	218	234	281	321	1695
19.25	337	245	288	200	215	234	288	339	209	219	235	283	324	1647
19.50	340	247	295	201	216	234	289	342	209	220	236	284	325	1676
19.75	348	249	294	201	216	235	289	346	211	222	237	285	328	1674
20.00	348	252	295	201	216	236	291	348	211	223	238	287	328	1682
20.25	351	254	304	202	218	238	294	352	213	224	240	290	331	1707
20.50	353	256	309	204	219	240	295	357	214	226	242	293	337	1723
20.75	357	258	312	205	221	242	298	360	216	228	244	295	337	1744
21.00	402	263	378	213	232	276	399	682	225	238	277	391	874	1715
21.25	389	268	392	218	245	278	353	486	230	249	279	350	487	1724
21.50	389	270	380	213	238	270	331	436	226	251	279	338	429	1740
21.75	395	273	378	208	235	266	321	399	221	245	270	335	407	1717
22.00	394	275	375	202	224	259	321	388	217	242	269	332	401	1684
22.25	397	278	373	198	220	256	321	381	216	242	268	327	388	1722
22.50	401	281	377	196	216	254	320	375	214	237	265	327	381	1730
22.75	401	284	376	196	216	256	317	370	214	235	265	326	377	1724
23.00	399	286	350	196	214	255	319	367	214	232	263	323	374	1735
23.25	404	288	344	195	213	255	320	364	212	232	263	322	371	1741
23.50	406	290	341	195	213	256	319	362	213	232	263	323	379	1730
23.75	408	293	341	195	215	257	320	360	213	234	264	325	379	1701
24.00	411	295	343	195	215	258	321	359	213	233	264	324	376	1668
24.25	415	296	346	195	216	259	320	358	215	234	264	323	374	1674
24.50	418	299	346	196	217	260	322	358	216	234	265	321	371	1662
24.75	418	301	348	197	218	262	323	359	218	236	265	322	372	1677
25.00	421	303	350	198	219	262	324	359	218	237	267	323	375	1735
25.25	424	305	354	199	220	263	325	359	220	241	270	325	380	1727



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Project No. G104488273SAT-005a

January 27, 2021

Time (min)	TC #28 (°F)	TC #29 (°F)	TC #30 (°F)	TC #31 (°F)	TC #32 (°F)	TC #33 (°F)	TC #34 (°F)	TC #35 (°F)	TC #36 (°F)	TC #37 (°F)	TC #38 (°F)	TC #39 (°F)	TC #40 (°F)	TC #41 (°F)
25.50	428	307	357	198	220	265	325	360	219	242	270	327	379	1733
25.75	431	309	361	199	221	264	325	359	221	243	271	327	375	1792
26.00	435	311	363	200	221	265	325	359	223	245	273	327	379	1795
26.25	437	313	367	201	222	265	325	360	225	248	276	328	381	1806
26.50	439	315	369	201	221	266	326	360	227	249	278	329	382	1811
26.75	440	317	372	202	223	266	326	360	227	247	277	328	384	1790
27.00	443	319	373	203	224	267	326	360	226	248	278	329	380	1799
27.25	445	321	375	203	225	268	326	360	227	249	278	327	375	1834
27.50	447	323	377	203	224	268	326	360	227	247	278	328	379	1807
27.75	448	325	377	205	228	269	328	360	226	249	278	327	377	1789
28.00	451	327	378	206	229	269	328	362	228	252	279	326	374	1811
28.25	454	329	380	205	227	270	328	362	228	250	279	326	373	1820
28.50	458	331	393	211	230	270	322	362	232	253	281	332	380	1796
28.75	461	333	397	214	231	270	325	362	234	254	282	333	380	1823
29.00	467	335	399	214	231	271	326	362	235	255	284	334	380	1799
29.25	474	337	415	217	234	273	330	363	238	257	286	335	383	1775
29.50	478	339	403	217	234	275	330	364	238	257	286	338	388	1828
29.75	478	341	394	216	232	275	332	365	241	259	289	342	393	1812
30.00	479	343	395	216	233	278	335	366	243	263	296	346	412	1832
Max Temp	479	343	415	218	245	278	399	682	243	263	296	391	874	1834
Max Allowed	1000			1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	



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Time (min)	TC #42 (°F)	TC #43 (°F)	TC #44 (°F)	TC #45 (°F)	TC #46 (°F)	TC #47 (°F)	TC #48 (°F)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail
								TC #49 (°F)	TC #50 (°F)	TC #51 (°F)	TC #52 (°F)	TC #53 (°F)	TC #54 (°F)	TC #55 (°F)
0.00	123	114	89	82	91	85	80	65	65	65	64	65	65	62
0.25	853	683	474	450	544	550	456	65	66	65	66	65	65	62
0.50	1219	984	784	754	869	866	797	66	68	66	66	67	65	62
0.75	1239	1063	927	907	977	988	935	66	70	66	68	70	66	62
1.00	1302	1097	990	977	1022	1037	992	68	70	66	70	70	66	62
1.25	1320	1129	1014	1013	1069	1080	1025	70	70	65	71	71	65	62
1.50	1391	1159	1054	1042	1161	1207	1116	70	74	66	71	78	66	62
1.75	1385	1183	1072	1074	1135	1159	1102	70	72	66	69	72	66	62
2.00	1386	1201	1081	1096	1129	1158	1109	71	71	66	68	72	67	62
2.25	1420	1206	1094	1105	1148	1169	1116	70	73	67	68	72	67	62
2.50	1412	1224	1106	1119	1157	1173	1120	70	73	67	68	72	66	62
2.75	1465	1223	1122	1127	1174	1193	1132	72	71	66	69	71	66	62
3.00	1494	1249	1142	1132	1189	1202	1148	74	74	66	72	87	66	62
3.25	1516	1252	1156	1149	1205	1218	1166	74	82	66	73	90	66	62
3.50	1518	1266	1159	1158	1216	1226	1169	73	76	66	72	78	66	62
3.75	1527	1283	1168	1175	1235	1239	1183	74	79	67	72	80	67	62
4.00	1500	1308	1182	1196	1264	1270	1215	78	77	67	75	79	67	62
4.25	1549	1331	1208	1213	1285	1302	1226	78	76	67	76	78	67	62
4.50	1600	1350	1224	1223	1279	1289	1228	76	76	67	74	76	67	62
4.75	1549	1358	1215	1229	1278	1297	1233	75	75	67	75	76	67	62
5.00	1569	1353	1216	1235	1272	1287	1229	74	78	68	71	78	67	62
5.25	1571	1365	1221	1241	1278	1301	1235	73	76	68	71	75	67	62
5.50	1571	1373	1227	1248	1281	1293	1231	75	79	67	75	82	66	62
5.75	1578	1369	1240	1249	1293	1297	1232	76	82	67	73	84	66	62
6.00	1594	1378	1247	1252	1296	1301	1237	78	78	68	74	79	68	62
6.25	1576	1373	1248	1257	1295	1296	1233	77	80	68	73	77	68	62
6.50	1599	1397	1252	1262	1301	1302	1237	76	80	68	72	78	68	62
6.75	1570	1382	1255	1268	1297	1307	1242	75	82	69	71	77	68	62
7.00	1569	1401	1259	1275	1304	1322	1256	75	81	69	73	81	72	62
7.25	1567	1406	1265	1276	1311	1315	1254	76	81	68	75	80	68	62
7.50	1590	1405	1273	1276	1321	1328	1259	76	89	68	73	92	69	62
7.75	1578	1395	1274	1278	1323	1326	1264	76	87	69	73	95	70	62
8.00	1584	1402	1280	1279	1327	1338	1271	78	83	69	76	81	68	62
8.25	1580	1411	1279	1293	1329	1331	1264	77	83	69	74	82	68	62
8.50	1590	1418	1286	1287	1330	1335	1272	79	94	69	75	101	68	62
8.75	1566	1452	1298	1287	1332	1345	1289	78	85	69	74	90	68	62
9.00	1583	1419	1298	1288	1338	1352	1288	79	83	69	76	84	70	62
9.25	1578	1415	1296	1296	1345	1349	1277	77	85	70	73	83	69	63
9.50	1562	1434	1308	1294	1335	1347	1287	78	89	68	74	92	68	63
9.75	1591	1442	1307	1304	1353	1359	1288	79	85	69	74	83	69	63
10.00	1606	1437	1304	1310	1361	1364	1290	78	94	69	75	92	68	63
10.25	1608	1445	1305	1307	1354	1361	1296	77	91	69	74	88	69	63
10.50	1589	1443	1312	1312	1355	1366	1296	78	85	69	74	80	69	63
10.75	1594	1456	1319	1317	1358	1375	1308	78	87	70	75	84	69	63
11.00	1602	1467	1328	1320	1359	1371	1300	79	90	69	75	86	68	63
11.25	1635	1455	1321	1325	1363	1370	1305	79	85	69	76	81	68	63
11.50	1624	1453	1332	1329	1372	1381	1315	80	100	69	74	95	68	63
11.75	1608	1459	1328	1329	1379	1383	1317	78	90	69	75	84	69	63
12.00	1602	1469	1326	1332	1380	1391	1317	78	85	69	77	79	68	63
12.25	1592	1480	1329	1338	1374	1387	1319	79	83	69	77	79	68	63
12.50	1623	1481	1330	1346	1376	1386	1320	79	89	69	76	94	68	63



Total Quality. Assured.

16015 Shady Falls Road
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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	TC #42 (°F)	TC #43 (°F)	TC #44 (°F)	TC #45 (°F)	TC #46 (°F)	TC #47 (°F)	TC #48 (°F)	Pass/Fail (°F)	Pass/Fail (°F)	Pass/Fail (°F)	Pass/Fail (°F)	Pass/Fail (°F)	Pass/Fail (°F)	Pass/Fail (°F)
12.75	1628	1462	1331	1346	1386	1393	1325	80	87	69	77	85	68	63
13.00	1631	1460	1337	1341	1389	1398	1337	81	86	70	77	81	68	63
13.25	1625	1480	1344	1343	1386	1396	1333	80	85	70	77	80	68	63
13.50	1627	1475	1346	1343	1382	1393	1340	80	85	70	76	81	69	63
13.75	1620	1490	1350	1348	1391	1402	1337	79	97	70	77	93	69	63
14.00	1629	1486	1347	1347	1398	1409	1340	81	92	69	75	86	69	64
14.25	1638	1471	1349	1347	1386	1401	1341	79	95	70	77	87	69	64
14.50	1620	1469	1353	1350	1387	1405	1344	78	97	69	76	90	69	64
14.75	1638	1480	1360	1354	1395	1413	1347	79	89	70	74	84	70	64
15.00	1681	1477	1351	1366	1403	1413	1343	79	86	71	78	81	69	64
15.25	1739	1518	1364	1396	1447	1439	1370	79	92	70	75	87	69	64
15.50	1758	1543	1389	1414	1461	1462	1397	81	89	70	75	83	69	64
15.75	1736	1547	1394	1419	1466	1471	1408	79	93	71	80	85	70	64
16.00	1707	1556	1407	1412	1470	1481	1409	81	90	71	80	83	69	64
16.25	1678	1562	1412	1411	1472	1484	1420	80	97	71	77	88	70	65
16.50	1726	1558	1418	1419	1483	1485	1420	81	91	71	77	83	70	65
16.75	1724	1565	1419	1426	1482	1492	1425	81	98	71	80	91	70	65
17.00	1750	1569	1423	1431	1496	1495	1425	81	97	71	77	86	70	65
17.25	1727	1562	1419	1429	1498	1505	1433	80	93	70	84	85	69	65
17.50	1726	1579	1432	1438	1490	1503	1439	81	94	71	78	91	70	65
17.75	1766	1591	1432	1446	1499	1504	1440	80	98	70	76	94	70	65
18.00	1770	1581	1430	1448	1505	1508	1441	81	98	70	77	91	69	65
18.25	1724	1598	1445	1446	1508	1518	1448	81	99	70	78	108	69	66
18.50	1712	1605	1448	1445	1502	1513	1462	83	101	71	78	106	70	66
18.75	1730	1588	1450	1448	1530	1530	1456	80	96	71	76	100	70	66
19.00	1736	1594	1450	1451	1525	1525	1459	81	98	71	78	93	70	66
19.25	1714	1603	1451	1451	1521	1538	1465	83	95	71	78	91	70	66
19.50	1741	1598	1455	1456	1535	1542	1462	82	98	71	78	89	70	67
19.75	1738	1596	1452	1459	1527	1535	1464	81	92	71	80	90	70	67
20.00	1759	1604	1458	1463	1530	1536	1469	81	95	71	78	86	70	67
20.25	1785	1610	1462	1467	1538	1537	1475	81	93	71	78	84	70	67
20.50	1794	1627	1463	1472	1546	1544	1472	82	90	73	82	84	70	67
20.75	1793	1623	1466	1482	1545	1547	1479	81	87	72	81	82	71	67
21.00	1763	1608	1467	1478	1544	1551	1488	82	94	72	77	87	71	68
21.25	1774	1618	1474	1478	1552	1546	1472	82	107	73	79	102	70	68
21.50	1749	1613	1469	1479	1546	1548	1478	82	98	71	77	91	70	68
21.75	1766	1612	1471	1484	1552	1555	1483	81	96	72	76	93	70	68
22.00	1777	1621	1468	1490	1555	1559	1484	82	103	72	76	96	70	69
22.25	1774	1618	1474	1490	1556	1556	1491	83	110	75	77	107	76	69
22.50	1774	1621	1485	1487	1565	1563	1486	86	109	73	78	103	72	69
22.75	1767	1633	1482	1489	1560	1563	1492	81	119	74	81	107	71	69
23.00	1767	1620	1480	1493	1569	1561	1480	81	112	75	77	106	71	69
23.25	1768	1635	1488	1490	1579	1573	1482	81	105	76	77	102	71	70
23.50	1779	1644	1489	1495	1571	1564	1488	84	98	75	76	91	72	70
23.75	1773	1620	1493	1491	1563	1567	1506	82	98	76	79	93	72	70
24.00	1731	1641	1496	1489	1561	1572	1525	82	99	75	78	87	71	70
24.25	1758	1612	1494	1489	1554	1561	1507	85	102	75	77	89	71	70
24.50	1729	1615	1498	1489	1573	1581	1515	85	105	75	76	90	71	71
24.75	1703	1631	1501	1490	1570	1583	1511	84	111	77	78	96	72	71
25.00	1777	1635	1504	1498	1602	1603	1538	85	104	75	77	88	71	71
25.25	1803	1655	1518	1517	1619	1616	1547	84	103	76	78	90	71	71



Total Quality. Assured.

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	TC #42 (°F)	TC #43 (°F)	TC #44 (°F)	TC #45 (°F)	TC #46 (°F)	TC #47 (°F)	TC #48 (°F)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail
								TC #49 (°F)	TC #50 (°F)	TC #51 (°F)	TC #52 (°F)	TC #53 (°F)	TC #54 (°F)	TC #55 (°F)
25.50	1786	1683	1528	1524	1629	1630	1566	82	101	76	76	88	71	72
25.75	1815	1694	1535	1532	1658	1643	1561	83	99	74	76	91	71	72
26.00	1877	1704	1532	1551	1653	1644	1572	85	107	76	76	102	72	72
26.25	1879	1706	1538	1560	1661	1651	1576	86	110	76	78	96	72	72
26.50	1811	1708	1546	1553	1676	1666	1577	85	111	75	76	94	72	73
26.75	1854	1699	1545	1558	1679	1666	1581	84	110	76	78	95	72	73
27.00	1870	1706	1543	1559	1658	1656	1588	84	106	77	78	99	72	73
27.25	1842	1709	1553	1557	1672	1672	1589	85	110	77	79	100	75	73
27.50	1836	1722	1559	1563	1673	1673	1594	86	110	77	80	92	73	74
27.75	1815	1717	1560	1562	1675	1672	1600	86	105	77	83	88	72	74
28.00	1833	1705	1559	1566	1685	1679	1604	86	105	76	81	87	72	74
28.25	1816	1712	1565	1566	1678	1678	1600	86	111	77	85	89	72	74
28.50	1821	1705	1567	1565	1682	1683	1602	87	107	77	83	86	72	75
28.75	1835	1712	1570	1571	1690	1689	1609	86	107	76	81	89	72	75
29.00	1815	1704	1570	1573	1714	1694	1612	86	117	77	79	105	73	75
29.25	1795	1705	1574	1571	1706	1694	1616	85	114	78	77	101	74	76
29.50	1923	1720	1571	1592	1725	1704	1618	85	109	78	79	95	74	76
29.75	1912	1700	1570	1592	1698	1683	1620	83	116	78	79	102	75	76
30.00	1910	1709	1574	1597	1720	1698	1618	84	117	77	78	97	75	77
Max Temp	1923	1722	1574	1597	1725	1704	1620	87	119	78	85	108	76	77
Max Allowed								565	565	565	564	565	565	812



Total Quality. Assured.

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail
	TC #56 (°F)	TC #57 (°F)	TC #58 (°F)	TC #59 (°F)	TC #60 (°F)	TC #61 (°F)	TC #62 (°F)	TC #63 (°F)	TC #64 (°F)	TC #65 (°F)	TC #66 (°F)	TC #67 (°F)
0.00	62	62	62	62	62	64	64	64	62	62	62	62
0.25	62	62	62	62	62	64	64	64	62	62	62	62
0.50	62	62	62	62	62	64	64	64	62	62	62	62
0.75	62	62	62	62	62	64	64	64	62	62	62	62
1.00	62	62	62	62	62	64	64	64	62	62	62	62
1.25	62	62	62	62	62	64	64	64	62	62	62	62
1.50	62	62	62	62	62	64	64	64	62	62	62	62
1.75	62	62	62	62	62	64	64	64	62	62	62	62
2.00	62	62	62	62	62	64	64	64	62	62	62	62
2.25	62	62	62	62	62	64	64	64	62	62	62	62
2.50	62	62	62	62	62	64	64	64	62	62	62	62
2.75	62	62	62	62	62	64	64	64	62	62	62	62
3.00	62	62	62	62	62	64	64	64	62	62	62	62
3.25	62	62	62	62	62	64	64	64	62	62	62	62
3.50	62	62	62	62	62	64	64	64	62	62	62	62
3.75	62	62	62	62	62	64	64	64	62	62	62	62
4.00	62	62	62	62	62	64	64	64	62	62	62	62
4.25	62	62	62	62	62	64	64	64	62	62	62	62
4.50	62	62	62	62	62	64	64	64	62	62	62	62
4.75	62	62	63	62	62	64	64	64	62	62	62	62
5.00	62	62	63	62	62	64	64	64	62	62	62	62
5.25	62	62	63	63	62	64	64	64	62	62	62	62
5.50	62	62	63	63	62	64	64	64	62	62	62	62
5.75	62	62	63	63	62	64	64	64	62	62	62	62
6.00	62	62	63	63	62	64	64	64	62	62	62	62
6.25	62	62	63	63	62	64	64	64	62	62	62	62
6.50	62	62	63	63	62	65	65	65	63	62	62	63
6.75	62	62	63	63	62	65	65	65	63	62	62	63
7.00	62	62	63	63	62	65	65	64	62	62	62	62
7.25	62	62	63	63	62	65	65	65	63	62	62	63
7.50	62	62	63	63	62	65	65	65	63	62	62	63
7.75	62	62	64	64	62	65	65	65	62	62	62	63
8.00	62	62	63	64	62	65	65	65	63	62	62	63
8.25	62	62	64	64	62	66	65	65	63	62	62	63
8.50	62	62	64	64	62	66	66	65	63	62	62	63
8.75	62	62	64	64	62	66	66	65	63	63	62	63
9.00	62	62	64	65	62	66	66	65	63	63	62	63
9.25	62	62	64	65	62	66	66	65	63	63	62	63
9.50	62	62	65	65	62	66	66	65	63	63	62	63
9.75	62	62	65	65	63	67	67	65	63	63	62	64
10.00	62	62	65	65	63	67	67	66	63	63	62	64
10.25	62	62	65	66	63	67	67	66	63	63	62	64
10.50	62	63	66	66	63	68	68	66	63	63	63	64
10.75	62	63	66	67	63	68	68	66	63	63	63	64
11.00	62	63	66	67	63	68	68	66	63	63	63	64
11.25	63	63	66	67	63	69	68	66	63	63	63	64
11.50	62	63	67	67	63	69	69	66	63	63	63	65
11.75	63	63	67	68	63	69	69	67	64	63	63	65
12.00	63	63	67	68	64	69	69	67	64	63	63	65
12.25	63	63	68	68	64	70	70	67	64	63	63	65
12.50	63	63	68	69	64	70	70	67	64	63	63	65



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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail
	TC #56 (°F)	TC #57 (°F)	TC #58 (°F)	TC #59 (°F)	TC #60 (°F)	TC #61 (°F)	TC #62 (°F)	TC #63 (°F)	TC #64 (°F)	TC #65 (°F)	TC #66 (°F)	TC #67 (°F)
12.75	63	63	68	69	64	70	70	67	64	63	63	65
13.00	63	63	68	69	64	71	71	68	64	63	64	66
13.25	63	63	68	70	64	71	71	68	64	63	64	66
13.50	63	64	69	70	65	71	71	68	64	64	64	66
13.75	63	64	69	70	65	72	72	68	64	64	64	66
14.00	63	64	70	71	65	72	72	68	65	64	64	67
14.25	63	64	70	71	65	73	72	69	65	64	64	67
14.50	63	64	70	71	65	73	73	69	65	64	64	67
14.75	63	64	70	72	65	73	73	69	65	64	64	68
15.00	63	64	71	72	66	74	74	70	65	64	64	68
15.25	64	65	71	73	66	74	74	70	65	64	65	68
15.50	64	65	71	73	66	75	74	70	66	65	65	68
15.75	64	65	71	73	66	75	75	71	66	65	65	69
16.00	64	65	72	73	67	76	75	71	66	65	65	69
16.25	64	65	72	74	67	76	76	71	66	65	65	69
16.50	64	65	73	74	67	76	76	71	66	65	66	70
16.75	64	65	73	75	68	77	76	72	67	65	66	70
17.00	64	65	73	75	68	78	77	72	67	65	66	70
17.25	65	66	74	75	68	78	77	73	67	65	66	71
17.50	65	66	74	76	68	78	78	73	67	66	66	71
17.75	65	66	74	76	69	79	78	73	68	66	67	71
18.00	65	66	75	77	69	79	79	74	68	66	67	72
18.25	65	66	75	77	69	80	79	74	68	66	67	72
18.50	65	67	75	77	70	80	79	74	68	66	67	73
18.75	65	67	76	78	70	81	80	75	68	66	68	73
19.00	65	67	76	78	70	81	80	75	69	67	68	73
19.25	66	67	76	79	71	82	81	76	69	67	68	74
19.50	66	67	77	79	71	83	81	76	69	67	68	74
19.75	66	67	77	80	72	83	82	76	70	67	69	75
20.00	66	68	78	80	72	84	83	76	70	67	69	75
20.25	66	68	78	80	72	84	83	77	70	68	69	76
20.50	67	68	78	81	73	85	84	77	70	68	70	76
20.75	67	68	79	81	73	86	84	78	71	68	70	77
21.00	67	68	79	82	74	86	85	78	71	68	70	77
21.25	67	68	80	82	74	87	86	78	71	68	71	78
21.50	67	69	80	83	75	88	86	79	72	69	71	78
21.75	67	69	80	84	75	88	87	80	72	69	71	79
22.00	68	69	81	84	76	89	88	80	72	69	72	80
22.25	68	69	81	85	77	90	89	80	73	70	72	80
22.50	68	70	82	85	77	90	90	81	73	70	72	81
22.75	68	70	82	86	78	91	91	81	73	70	73	81
23.00	68	70	82	86	78	92	92	82	74	70	73	82
23.25	68	70	83	87	79	93	93	82	74	71	74	82
23.50	69	70	83	87	79	93	94	83	74	71	74	83
23.75	69	70	84	88	80	94	95	83	75	71	74	83
24.00	69	71	84	88	81	95	96	83	75	71	75	84
24.25	69	71	84	89	81	96	97	84	76	72	75	84
24.50	70	71	85	89	82	96	97	84	76	72	76	85
24.75	70	71	85	90	83	97	98	85	76	72	76	86
25.00	70	71	86	90	84	98	99	85	77	73	77	86
25.25	70	72	86	91	85	99	100	86	77	73	78	87



Total Quality. Assured.

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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21

Carter Architectural Panels Inc.

Project No. G104488273SAT-005a

January 27, 2021

Time (min)	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail	Pass/ Fail
	TC #56 (°F)	TC #57 (°F)	TC #58 (°F)	TC #59 (°F)	TC #60 (°F)	TC #61 (°F)	TC #62 (°F)	TC #63 (°F)	TC #64 (°F)	TC #65 (°F)	TC #66 (°F)	TC #67 (°F)
25.50	70	72	87	92	86	100	101	86	78	73	78	87
25.75	71	72	87	92	86	101	101	87	78	74	79	88
26.00	71	72	87	93	87	101	102	87	78	74	79	88
26.25	71	72	88	93	88	102	103	88	79	75	80	89
26.50	71	73	88	94	89	103	103	88	79	75	80	89
26.75	71	73	89	94	90	104	104	89	80	76	81	90
27.00	72	73	89	95	91	105	105	89	80	76	81	90
27.25	72	73	90	96	91	106	105	90	81	76	82	91
27.50	72	74	91	97	92	107	106	90	81	77	83	91
27.75	73	74	91	98	93	108	107	91	81	77	83	92
28.00	73	74	92	98	94	108	107	92	82	78	84	92
28.25	73	74	92	99	95	109	108	92	83	78	84	93
28.50	73	75	92	100	96	110	108	93	83	78	85	93
28.75	74	75	93	100	97	111	109	93	84	79	86	94
29.00	74	75	93	101	98	112	109	94	84	79	86	94
29.25	74	76	94	102	99	113	110	95	85	80	87	95
29.50	74	76	94	103	100	114	111	95	85	80	87	95
29.75	75	76	95	103	100	114	111	96	86	81	88	96
30.00	75	76	96	104	102	115	112	97	86	81	89	96
Max Temp	75	76	96	104	102	115	112	97	86	81	89	96
Max Allowed	812	812	812	812	812	814	814	814	812	812	812	812



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Report No.: 104488273SAT-005A R0

Date: 05/24/21

SECTION 15 DRAWINGS

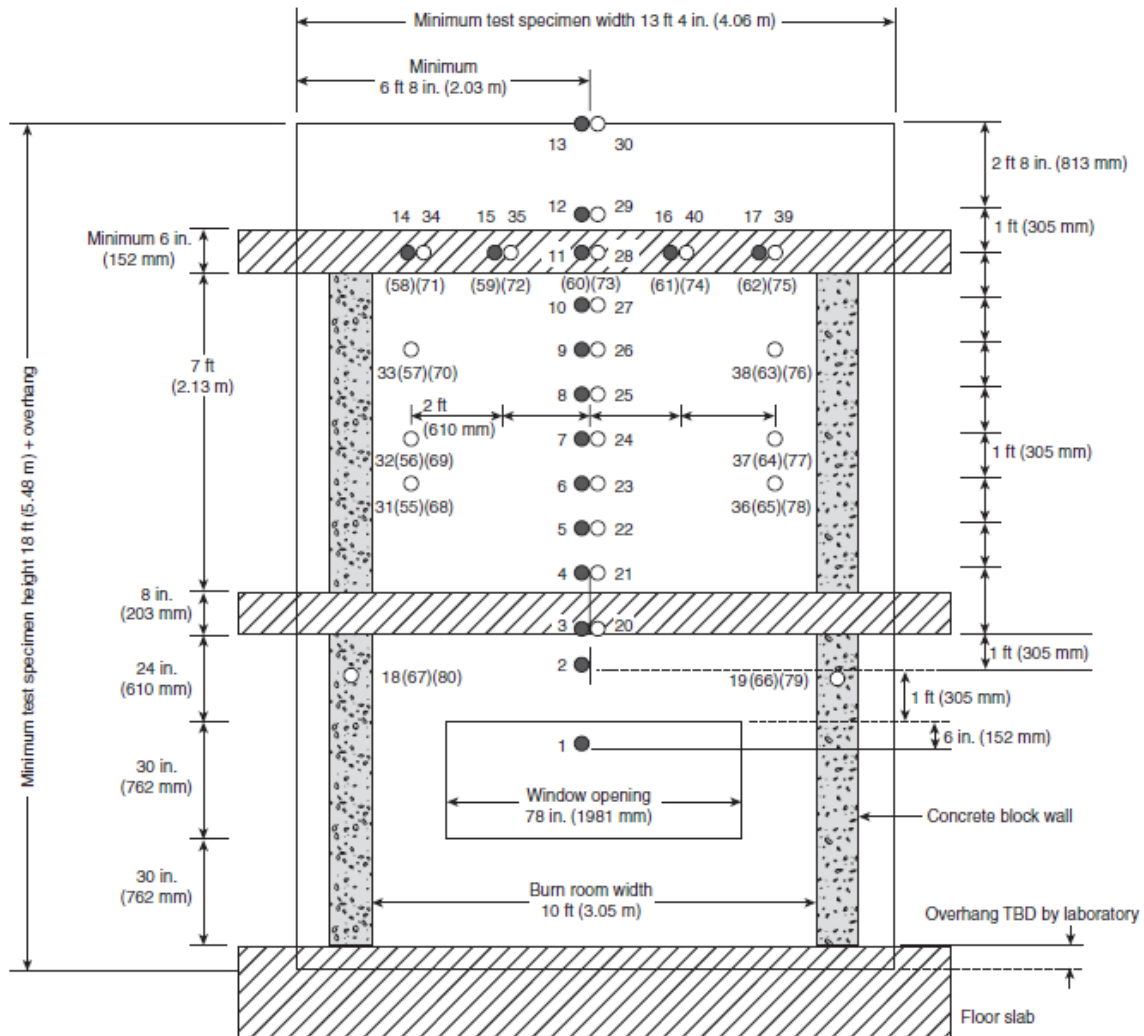
The "As-Built" drawings for the Carter Architectural Panels Inc. Fire resistance testing; Sheet Nos. 1-6; which follow have been reviewed by Intertek B&C and are representative of the project reported herein. Project construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.

TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

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Standard TC Locations

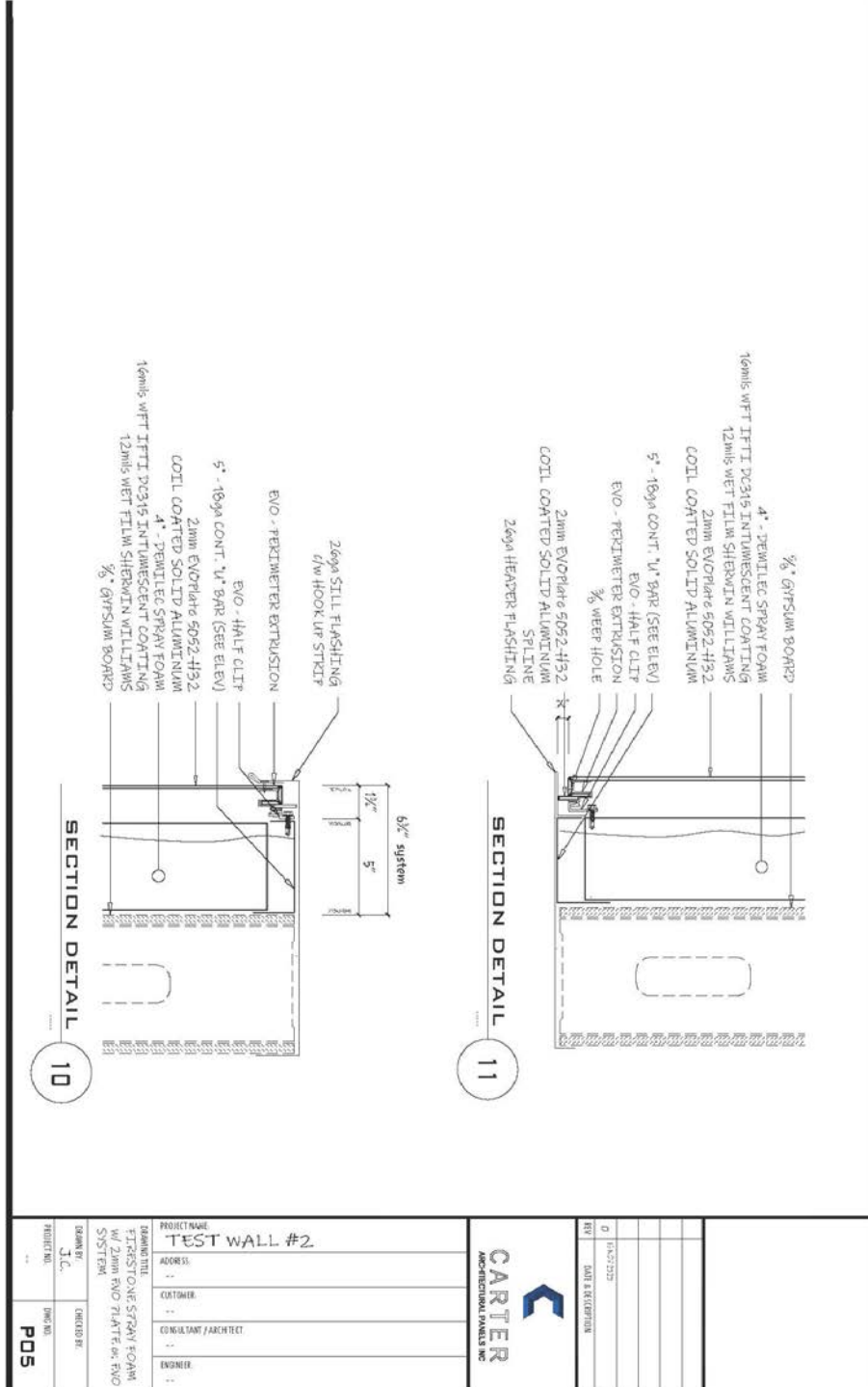


- Thermocouples — 1 in. (25 mm) from exterior wall surface
- Thermocouples — In the wall cavity air space or the insulation, or both, as shown in Figure 6.1(b) Details A through I.
- () Thermocouples — Additional thermocouples in the insulation or the stud cavity, or both, where required for the test specimen construction being tested, as shown in Figure 6.1(b) Details C through I.

TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

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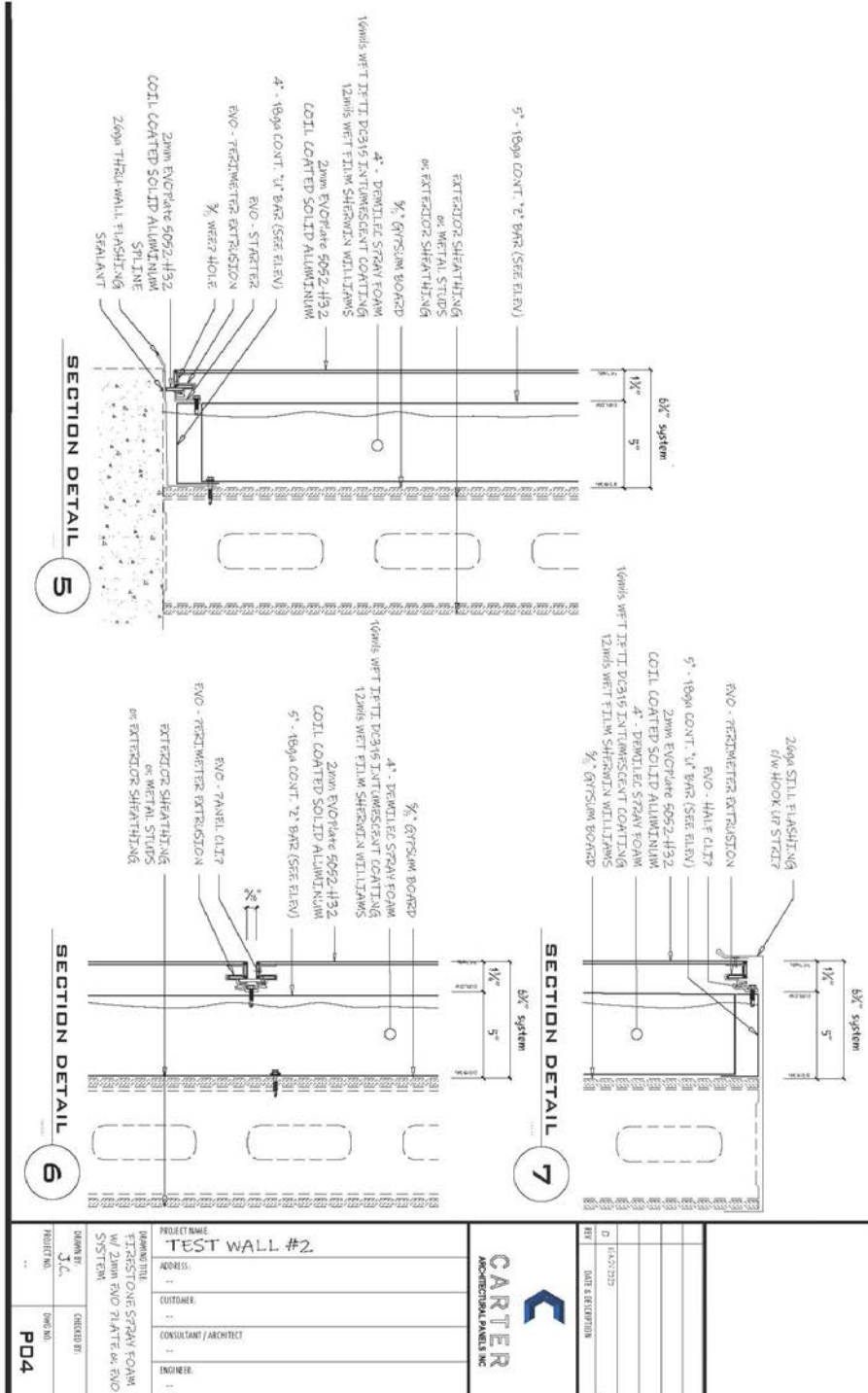
Date: 05/24/21



TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

Date: 05/24/21



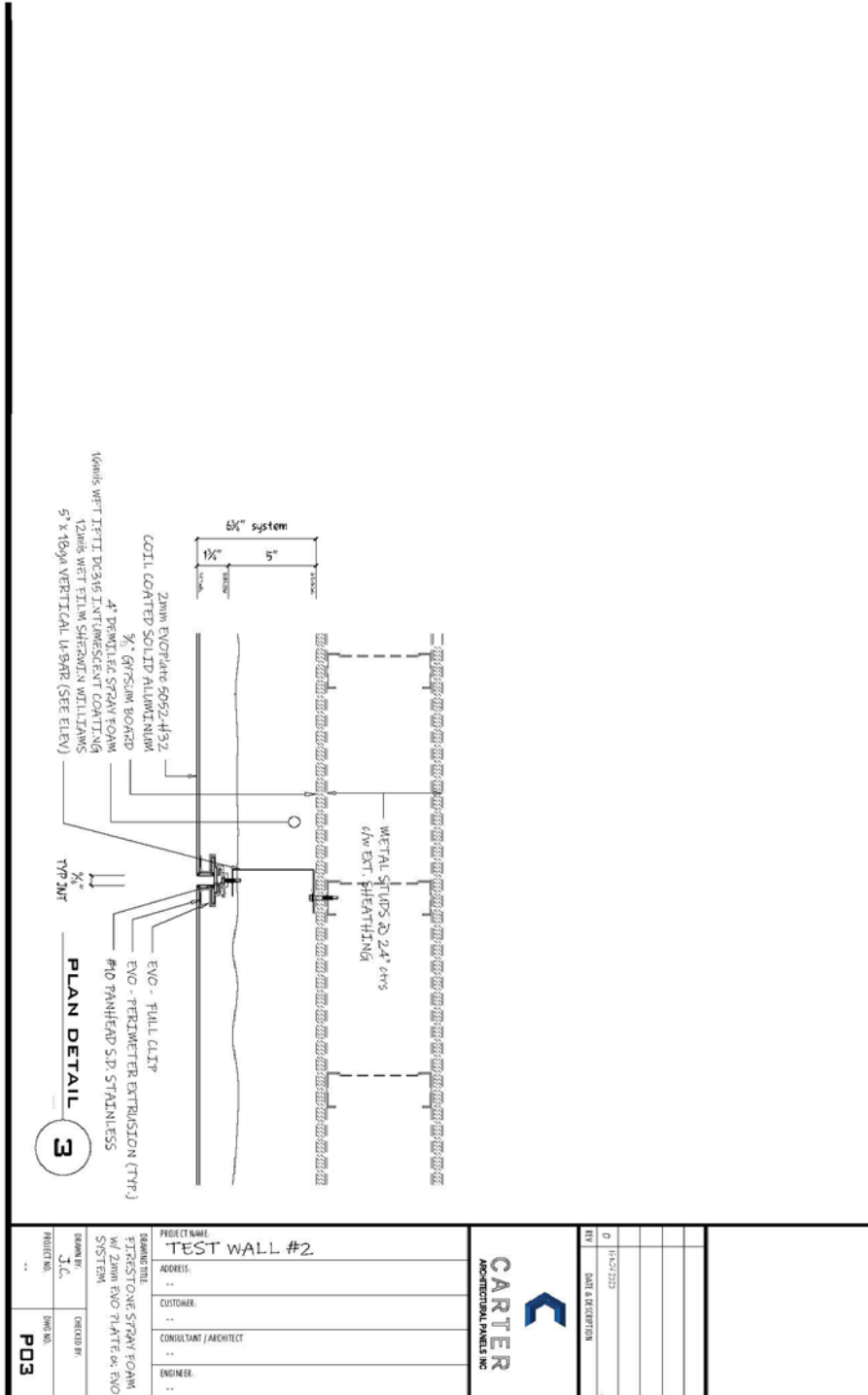
PROJECT NAME	TEST WALL #2
ADDRESS	
CUSTOMER	
CONSULTANT / ARCHITECT	
ENGINEER	
DATE	05/24/21
BY	DATE & SIGNATURE
REPORT NO.	104488273SAT-005A R0
TESTER NO.	
ENGINEER	J.L.
DATE	05/24/21
PROJECT NO.	PO4

CARTER
ARCHITECTURAL PANELS INC.

TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

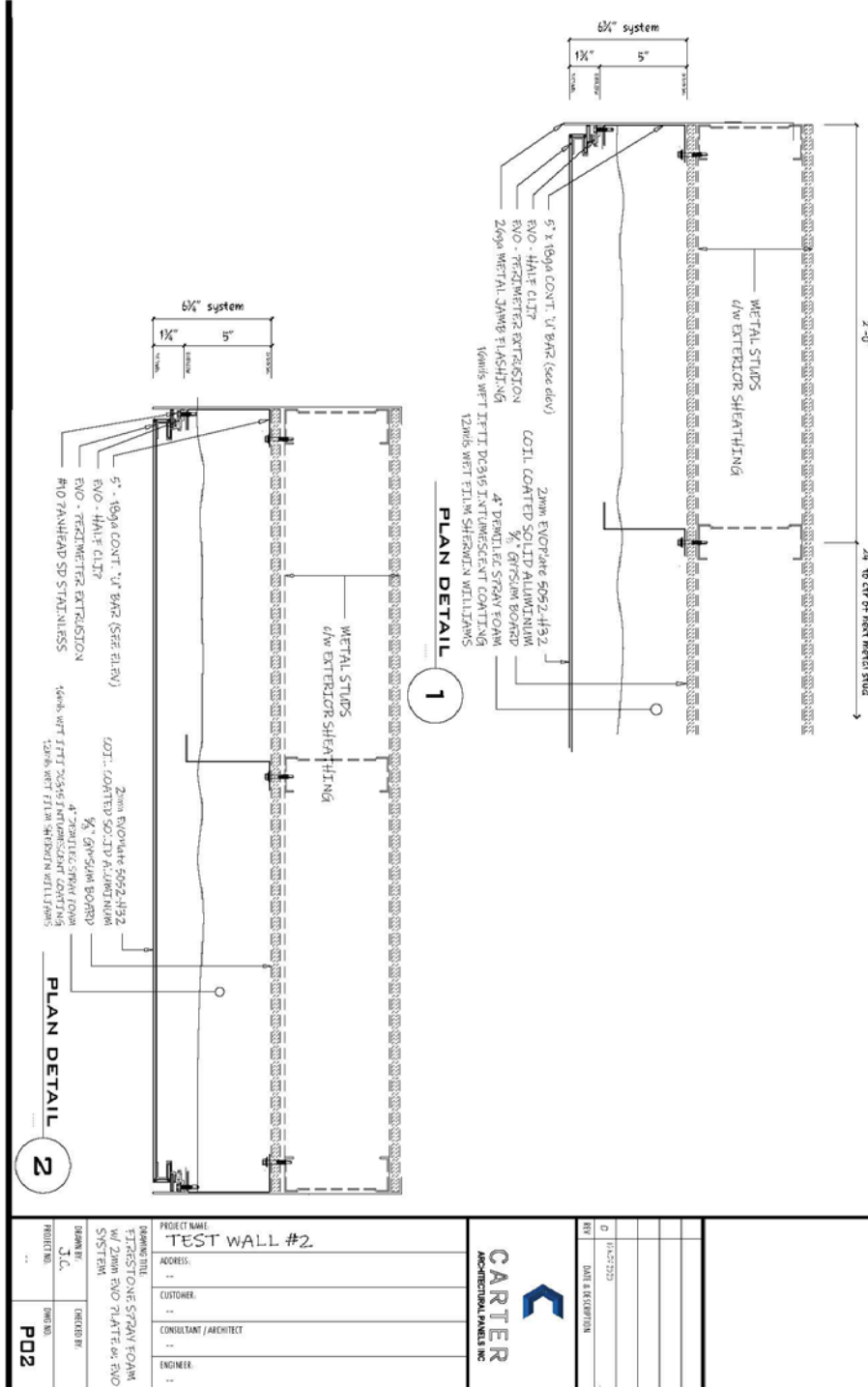
Date: 05/24/21



TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: 104488273SAT-005A R0

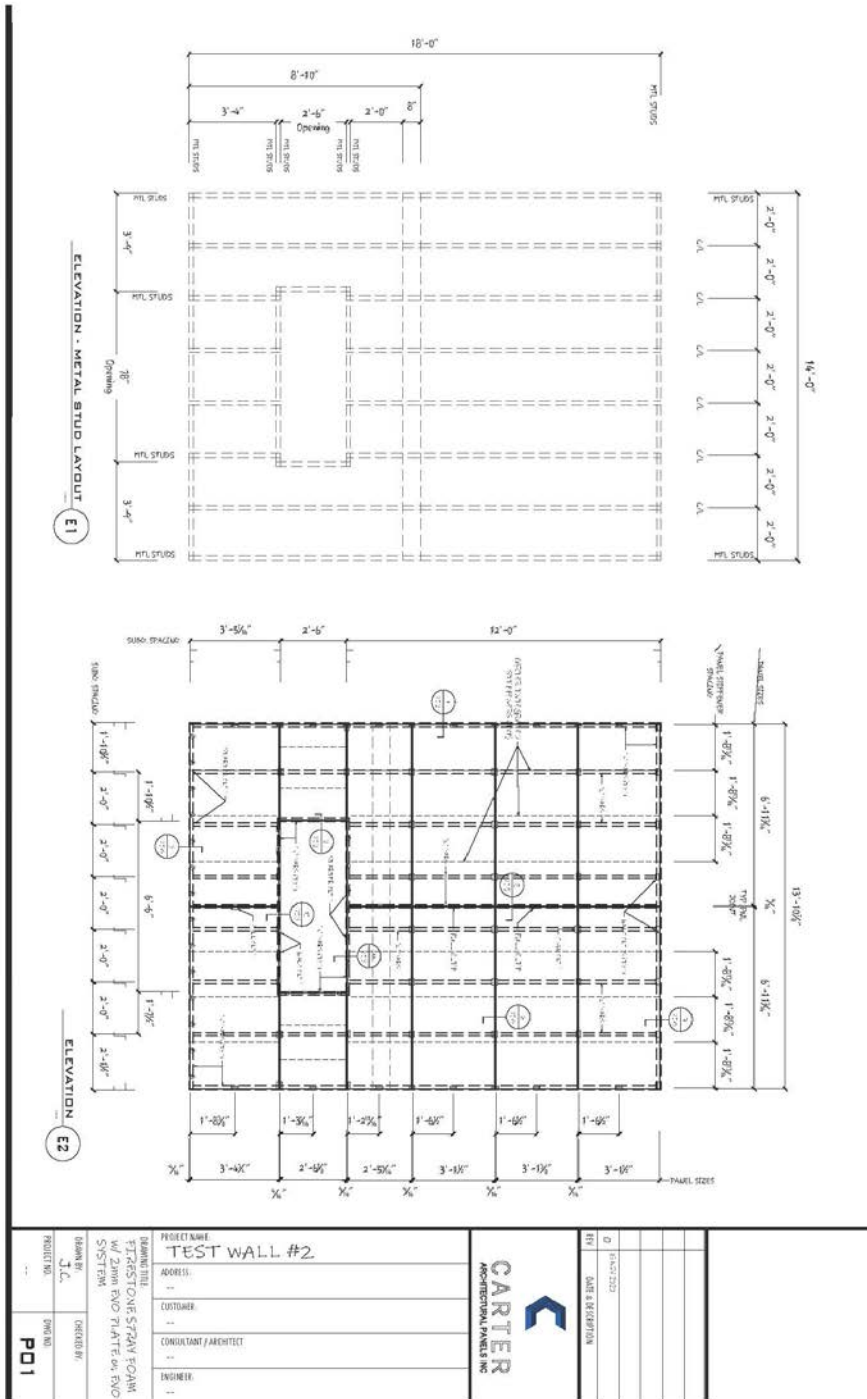
Date: 05/24/21



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REVISION #	DATE	SECTION	REVISION
0	05/24/21	N/A	Original Report Issue