

CARTER ARCHITECTURAL PANELS INC. FIRE TEST REPORT

SCOPE OF WORK

NFPA 285 TESTING ON EXTERIOR NON-LOAD-BEARING WALL ASSEMBLY CONTAINING JOHNS MANVILLE (JM) AP™ FOIL FACED FOAM SHEATHING, CARTER ARCHITECTURAL PANELS INC. EVO™ “RIVETLESS” PANEL SYSTEM, 4MM ETALBOND FR CORE ACM PANELS

REPORT NUMBER

P4166.02-121-24-R0

TEST DATE(S)

12/13/22

ISSUE DATE

01/20/23

RECORD RETENTION END DATE

12/13/26

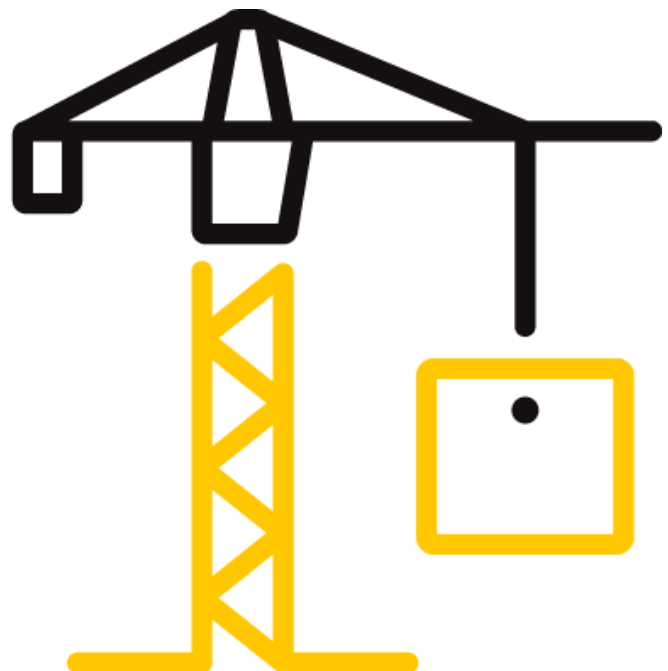
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TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

Report No.: P4166.02-121-24-R0

Date: 01/20/23

REPORT ISSUED TO

Carter Architectural Panels Inc.

7925 E Ray Road Ste 133

Mesa, Arizona 85212

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted to evaluate the flame propagation characteristics of an exterior, non-load-bearing wall assembly containing JM AP™ Foil Faced Foam Sheathing and Carter Architectural Panels etalbond FR Core Panels™. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania. This report is a reissue of the original Report P4166.01-121-24. This report is a reissue on the name of Carter Architectural Panels Inc. through written authorization from the original report holder. Results obtained are tested values and were secured by using the designated test method(s). A summary of test results and the complete graphical test data is reported herein.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

SUMMARY OF TEST RESULTS

Wall System: Exterior Non-load-bearing Wall Assembly

Combustible Components: JM AP Foil Faced Insulation, 3M All Weather Flashing Tape 8067, 4mm thick etalbond FR Core Panels.

NFPA 285 Test Results

The assembly described and tested in this report **did** meet the Conditions of Acceptance of NFPA 285. Construction of the full assembly is summarized in Section 7 of this test report.

For INTERTEK B&C:

COMPLETED BY:	Mark Dluzeski	REVIEWED BY:	Ethan Grove
TITLE:	Technician – Fire Testing	TITLE:	Manager – Fire Testing
SIGNATURE:		SIGNATURE:	
DATE:	01/20/23	DATE:	01/20/23

MAD:ddr

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SECTION 3

TEST METHOD

The assembly was evaluated in accordance with the following:

NFPA 285-19, *Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components*

SECTION 4

MATERIAL SOURCE/INSTALLATION

The Johns Manville AP foil faced foam sheathing was selected by Intertek B&C personnel. The specimen(s) were randomly selected from existing product inventory and tagged prior to shipment on 10/20/22, (Reference Intertek B&C Test Specimen Selection Report No. G105218935, dated 10/20/22). The remaining components of the test assembly were provided by the client except for the core wall components that were acquired and assembled by Intertek B&C personnel.

SECTION 5

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Kathy Miks	Johns Manville
Joel McKinley	Carter Architectural Panels
Mark Dluzeski	Intertek B&C
Ryan Mendicino	Intertek B&C

SECTION 6

TEST PROCEDURE

The wall assembly was instrumented with thermocouples (TCs) in accordance with figures 6.1(a) and 6.1(b) of NFPA 285 test method. 18-gauge Type "K" TCs were used in the burn room and 20-gauge Type "K" was used on exterior façade and cavity air space. The window burner was positioned in the center of the opening and 3-3/4 in. off the exterior face of the wall assembly. Testing was performed on 12/13/2022 in accordance with NFPA 285 test method. Ambient conditions were 61°F and 21% relative humidity. An anemometer was used to verify airflow across test assembly was less than 4 ft./sec as specified in the test method. 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 performed at 09:30 AM with the burners on for 30 minutes. All observations are recorded in the table located in Section 8.

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SECTION 6 (CONTINUED)

TEST PROCEDURE

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 on March 3, 2022, with natural gas as the fuel source and the window burner placed 3-1/4 inches from the exterior surface of the assembly. 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 6.1 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	36.3	0.0	1.0	1.2	0.7
5:00-10:00	36.1	4.3	1.9	2.2	1.6
10:00-15:00	44.4	5.8	2.4	2.8	2.1
15:00-20:00	44.2	8.3	2.9	3.1	2.5
20:00-25:00	44.2	11.2	3.2	3.5	2.7
25:00-30:00	45.4	15.0	4.1	4.0	3.1

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	1101	1025	765	801	743	680	623	558
5:00-10:00	1233	1205	949	1034	1046	999	925	844
10:00-15:00	1421	1399	1063	1153	1172	1130	1048	976
15:00-20:00	1471	1463	1105	1203	1236	1187	1097	1039
20:00-25:00	1499	1499	1139	1240	1287	1248	1123	1105
25:00-30:00	1569	1574	1193	1302	1357	1321	1146	1137

*The apparatus is calibrated under NFPA 285-19. Some values obtained during calibration are considered out of the 10% deviation allowed by versions of NFPA 285 earlier than the 2019.

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SECTION 7**TEST ASSEMBLY DESCRIPTION****Interior Cladding**

The full interior surface of the wall assembly was clad with 5/8 in. thick National Gypsum Gold Bond® Fire-Shield® gypsum board meeting the requirements of ASTM C1396. The gypsum board was fastened to the wall framing with #6 x 1-1/4 in. long, bugle head, self-drilling screws with a nominal spacing of 8 in. around the board perimeter and 12 in. in the field. Drywall orientation on the burn floor consisted of four pieces of gypsum board fastened to the core wall, with the run edge running parallel with the framing and the cut edge perpendicular to the framing. Drywall orientation on the second floor consisted of vertically oriented boards with the run edge running parallel with the framing and the cut edge perpendicular to the framing. Drywall orientation for the areas above the top support angle and below the bottom support angle consisted of boards that were oriented with the run edge perpendicular with the framing. All joints were taped with USG Sheetrock® Brand paper joint tape and spackled with USG Sheetrock® Brand joint compound. All fastener heads were spackled with USG Sheetrock® Brand joint compound.

Framing

The core wall consisted of 18 ft. long, 3-5/8 in. deep, 20-gauge galvanized steel studs fastened to 14 ft. length, 3-5/8 in. deep, 20-gauge galvanized steel track every 24 inches on center. The studs were connected to the track with one #6 x 1/2 in. long self-drilling, pan head fastener per stud flange. Two additional 18 ft. long, 3-5/8 in. deep, 20-gauge studs were used as king studs for the window opening jambs. ROCKWOOL™ Cavityrock® pieces with a nominal density of 4.0 lb. /cu. ft. were installed per the manufacturer's installation instructions to fit into each stud cavity placed at the second story floor line as floorline safing. The safing length dimensions were no less than the apparatus floor slab thickness of 8 in.

Exterior Sheathing

5/8 in. thick National Gypsum Gold Bond® eXP® exterior gypsum sheathing, meeting the requirements of ASTM C1177, was placed horizontally across the full exterior surface of the assembly. The gypsum sheathing was fastened to the wall framing with #6 x 1-1/4 in. long, bugle head, self-drilling screws with a nominal spacing of 8 in. around the board perimeter and 12 in. in the field.

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SECTION 7 (CONTINUED)**TEST ASSEMBLY DESCRIPTION****Window Opening**

A 78 in. wide x 30 in. tall window opening was made from 20-gauge galvanized steel track. The opening was centered on the vertical centerline of the wall assembly with the finished sill located 30 in. above the first story floor line. The steel track sections were mechanically fastened with #6 x 1/2 in. long self-drilling, pan head fasteners at each corner. Upon the completion of the exterior sheathing, 16-gauge, 3 1/2 in. deep continuous "U" bar was installed over the exterior sheathing around the window opening perimeter. 26-gauge window flashing extended from the interior edge of the framing to even with the exterior surface of the panels and was installed at the window header and jambs. 26-gauge windowsill flashing extended from the interior edge of the framing over the exterior cladding by 2 in. All window flashing was fastened to the continuous "U" bar around the window perimeter with # 10 hex head fasteners spaced 8 in. on-center.

Exterior Insulation

3-1/2 in. thick JM AP™ Foil Faced Polyiso Continuous Insulation Sheathing was cut to fit between the horizontal "Z" Bars. 5 in. long JM Ultrafast® Fasteners and 2 in. diameter JM Ultrafast® CI Plates were installed 24 in. below the "Z" bars at 24-inch spacing in the field of the foam. 4 in. wide 3M All Weather Flashing Tape 8067 was applied over the horizontal and vertical sheathing joints. 4 in. x 4 in. squares of the tape were placed over all JM Ultrafast® CI Plates.

Exterior Cladding

3 1/2 in. deep, G-90 16-gauge galvanized "Z" bars, with 1 1/2 in. flanges were oriented horizontally and fastened at each stud location with #12x1-1/2 in. HWH self-drilling screws. The "Z" bars were located at panels joints every 16 O/C from the window header and 16 in. below the opening sill. 4mm thick etalbond FR Core ACM was afixed to the EVO™ attachment system and covered the entire exterior surface. The ACM Panels were attached to the "Z" bars beginning at the bottom of the assembly with the Carter Architectural Panels, Inc. patent EVO™ "Rivetless" panel system. EVO™ Mid Clips were spaced 24 in. O/C at the panel perimeter and fastened to the "Z" bars with #12x1-1/2 in. HWH self-drilling screws. A 9/16 in. wide reveal was utilized between panels, with a 4mm x 2 in. wide FR core etalbond coil coated ACM spline inserted into the EVO™ perimeter extrusions to conceal the fasteners.

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SECTION 8

TEST OBSERVATIONS

TIME (Min:Sec)	OBSERVATIONS
00:00	Ignition of room burner.
01:16	The flashing has started to warp.
01:31	The gypsum paper has flashed over.
02:34	The panel directly above the window is starting to warp.
05:00	Ignition of window burner.
26:55	The right jamb has ignited.
30:00	Burners Extinguished.

SECTION 9

TEST RESULTS

TEST REQUIREMENTS	TEST RESULTS	PASS/FAIL
Flames did not reach 10 ft. above the window opening header.	Flames 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's 11 and 14-17 did not exceed their 1000°F limit.	PASS
TC's 18-19, 28, and 31-40 (1000°F limit)	TC's 18-19, 28, and 31-40 did not exceed their 1000°F limit.	PASS
TC's 49-54 (500°F above ambient)	TC's 49-54 did not exceed 500°F above their ambient temperatures.	PASS
TC's 55-67 (750°F above ambient)	TC's 55-67 did not exceed 750°F above their ambient temperatures.	PASS
TC's 68-80 (750°F above ambient)	TC's 68-80 did not exceed 750°F above their ambient temperatures.	PASS

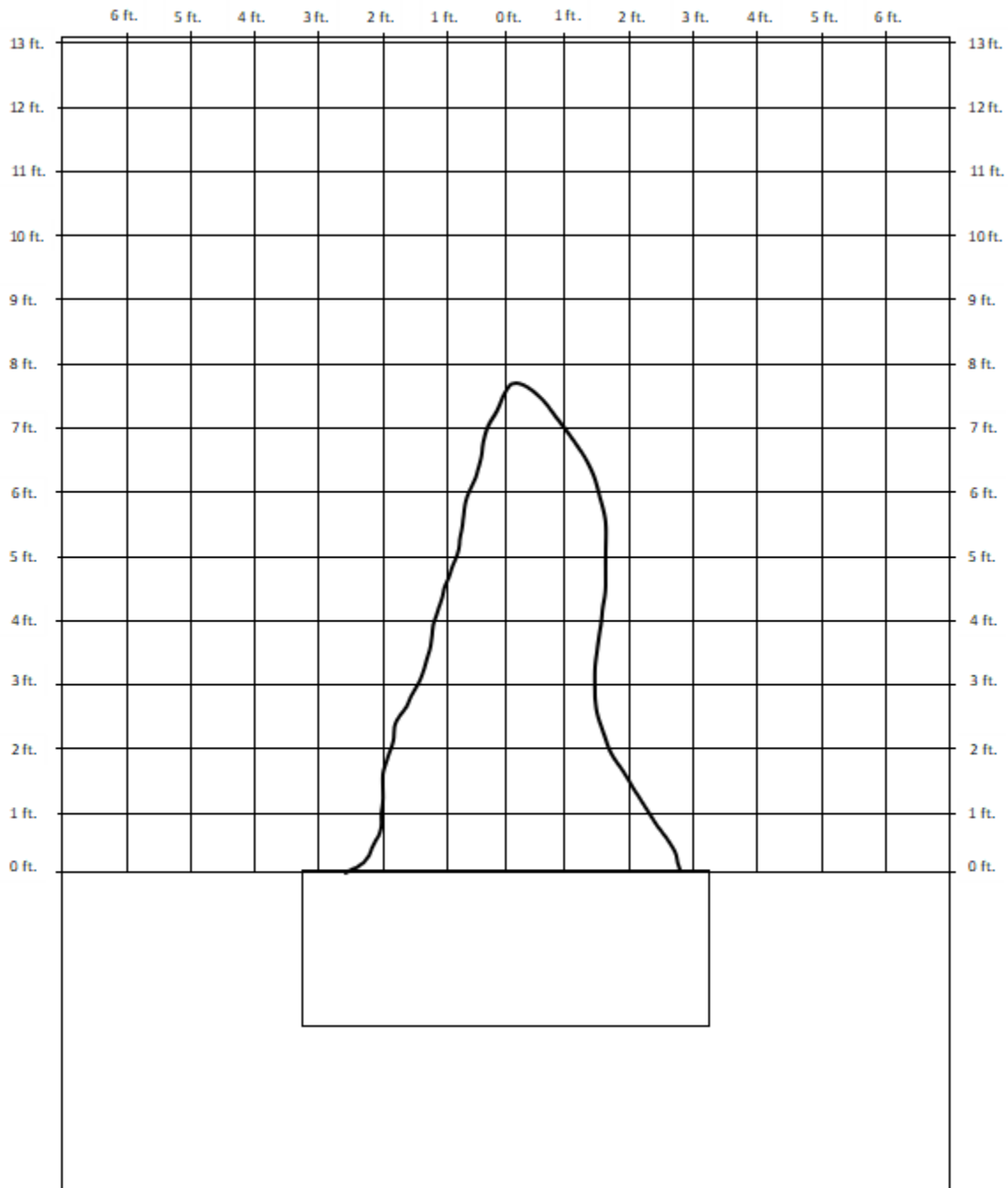
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SECTION 10

SKETCH OF EXTERIOR CLADDING BURN PATTERN



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SECTION 11

PHOTOGRAPHS



Photo No. 1
Core Wall Construction



Photo No. 2
Exterior Gypsum Completion

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SECTION 11 (CONTINUED)

PHOTOGRAPHS

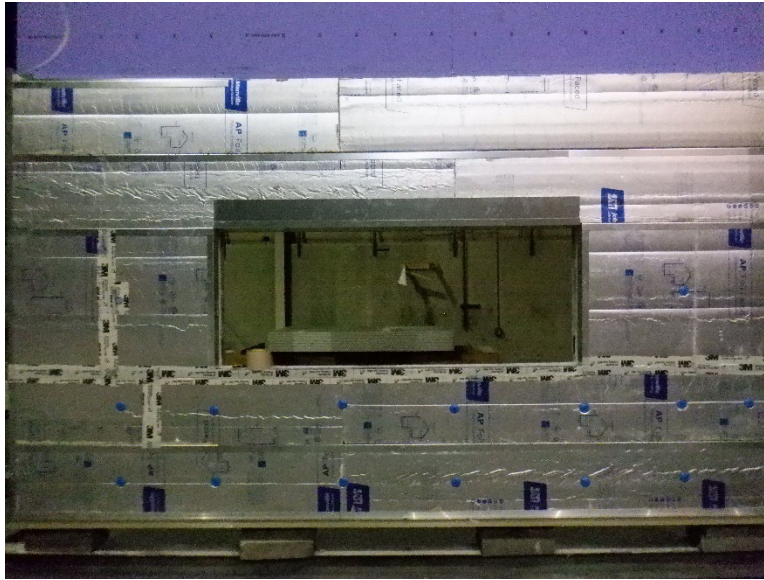


Photo No. 3
Installation of Insulation



Photo No. 4
Installation of "U" Bar Window Detail

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PHOTOGRAPHS



Photo No. 5
Completion of Insulation



Photo No. 6
Installation of 3M All Weather Flashing Tape

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SECTION 11 (CONTINUED)

PHOTOGRAPHS



Photo No. 7
Installation of ACM Panels

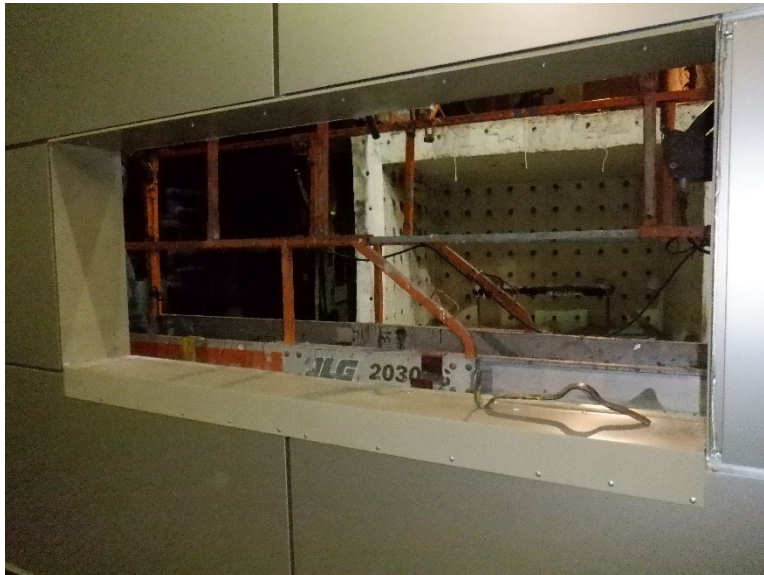


Photo No. 8
Completion of Window Flashing

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SECTION 11 (CONTINUED)

PHOTOGRAPHS



Photo No. 9
Completion of Floor Safing



Photo No. 10
Completion of First Story Interior Gypsum

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PHOTOGRAPHS

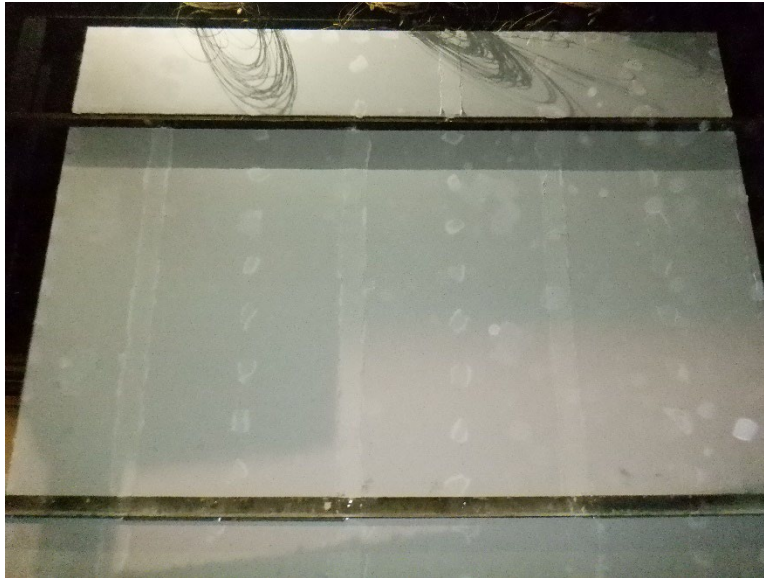


Photo No. 11
Completion of Second Story Interior Gypsum



Photo No. 12
First Story Interior Gypsum (Pre-Test)

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PHOTOGRAPHS



Photo No. 13
Second Story Interior Gypsum (Pre-Test)

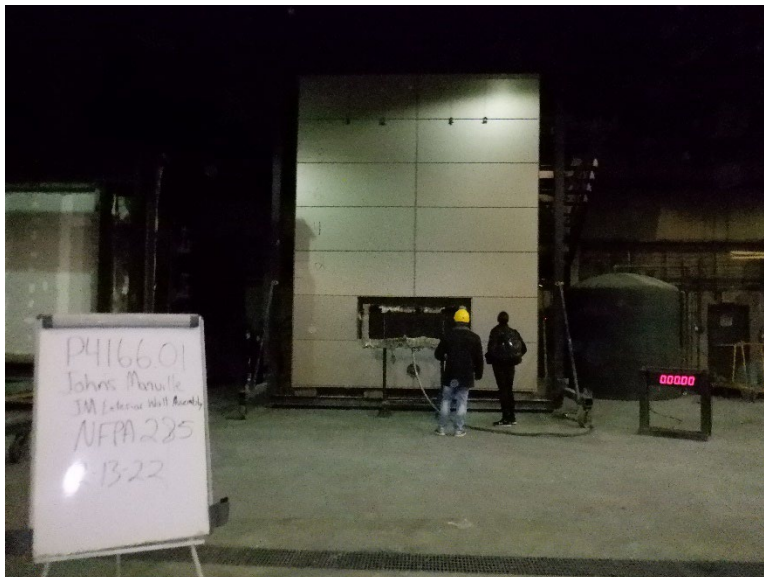


Photo No. 14
Completed Assembly (Pre-Test)

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PHOTOGRAPHS

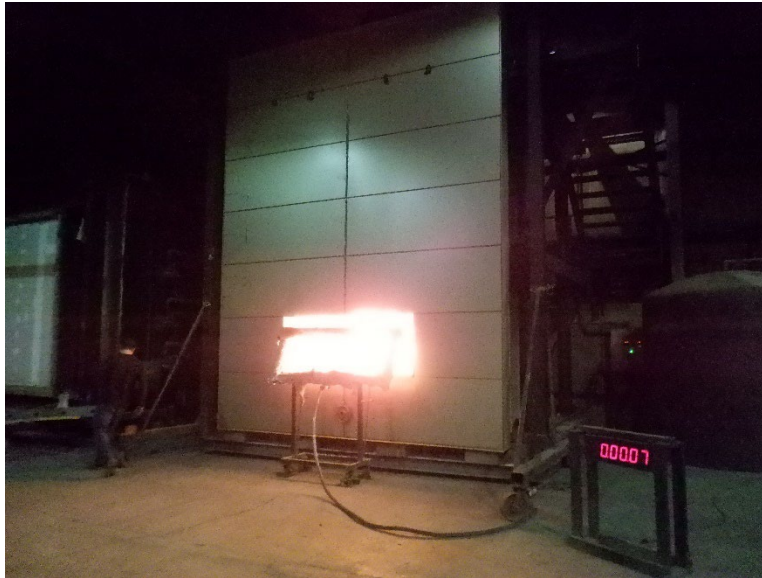


Photo No. 15
Ignition of Room Burner



Photo No. 16
Ignition of Window Burner

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SECTION 11 (CONTINUED)

PHOTOGRAPHS



Photo No. 17
Complete Assembly (Post-Test)



Photo No. 18
First Story Interior Gypsum (Post-Test)

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SECTION 11 (CONTINUED)

PHOTOGRAPHS



Photo No. 19
Second Story Interior Gypsum (Post-Test)



Photo No. 20
Cladding Removed (Post-Test)

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PHOTOGRAPHS

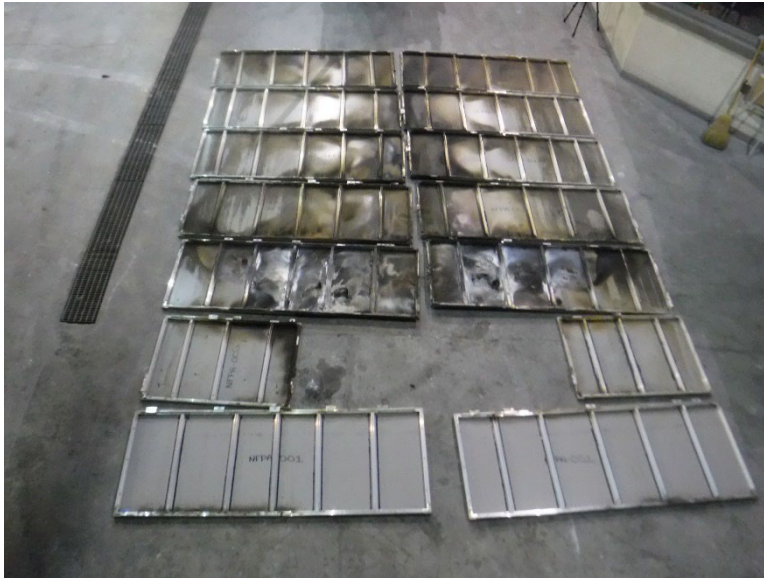


Photo No. 21
ACM's Removed (Post-Test)



Photo No. 22
Insulation Removed (Post-Test)

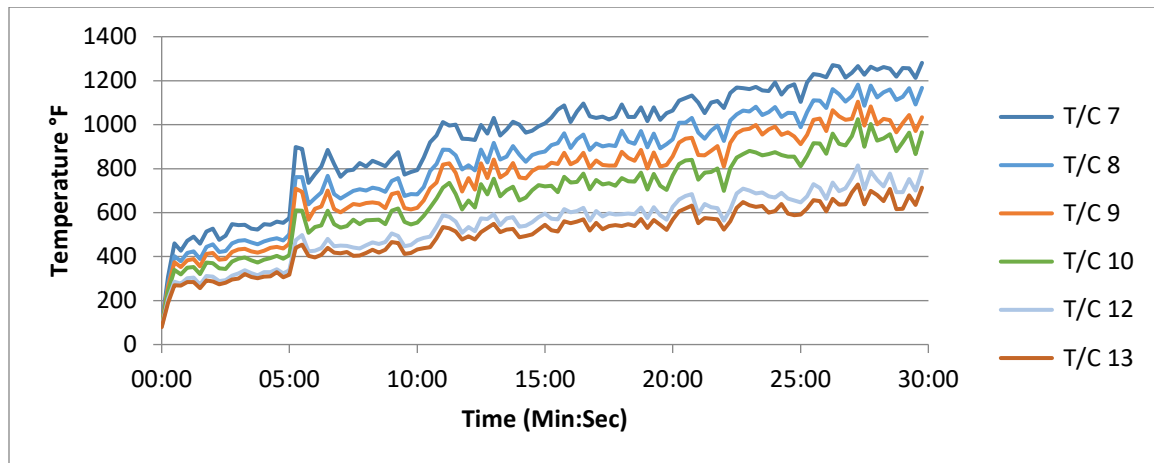
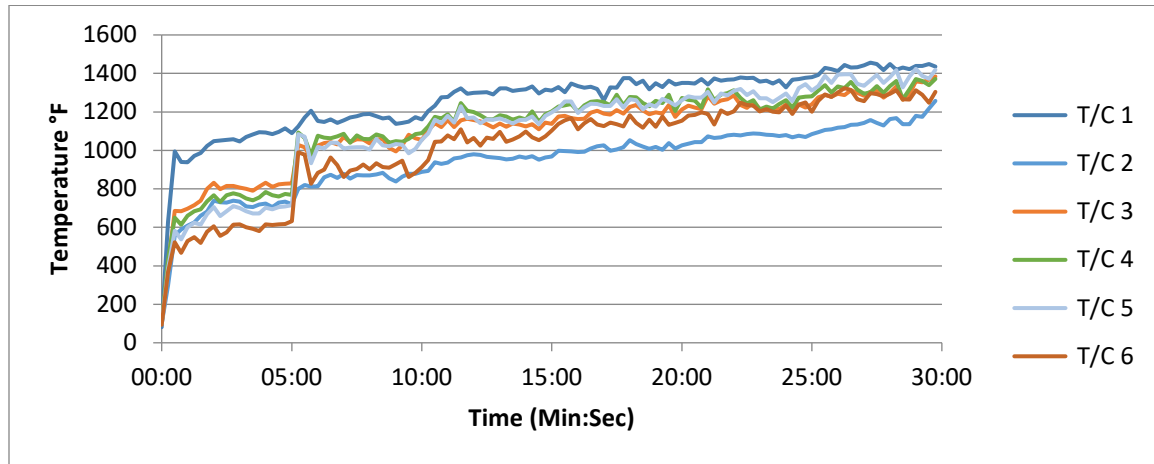
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GRAPHS



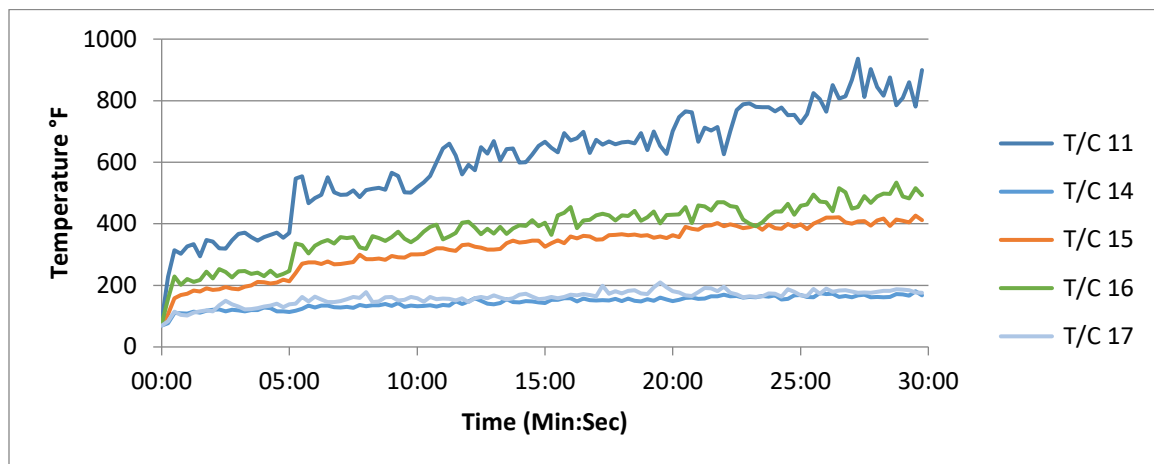
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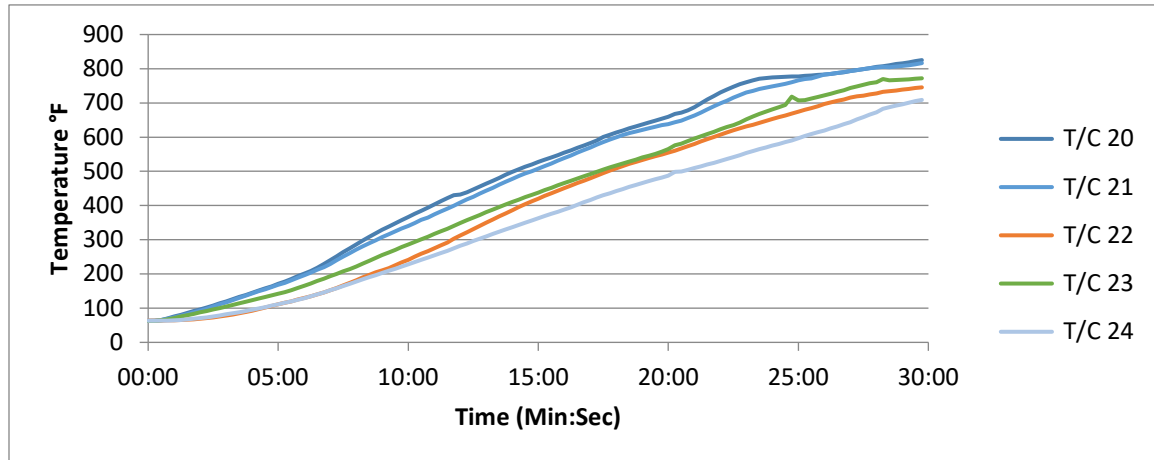
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SECTION 12 (CONTINUED)

GRAPHS



Graph No. 3
10 ft. above the Window Opening Header (Assembly Exterior)



Graph No. 4
Assembly Centerline (Air Cavity Space)

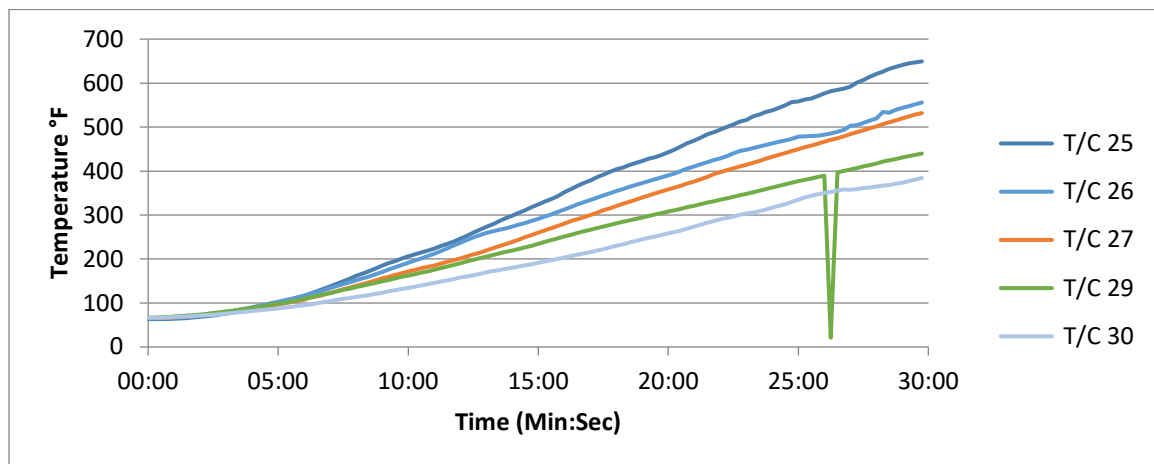
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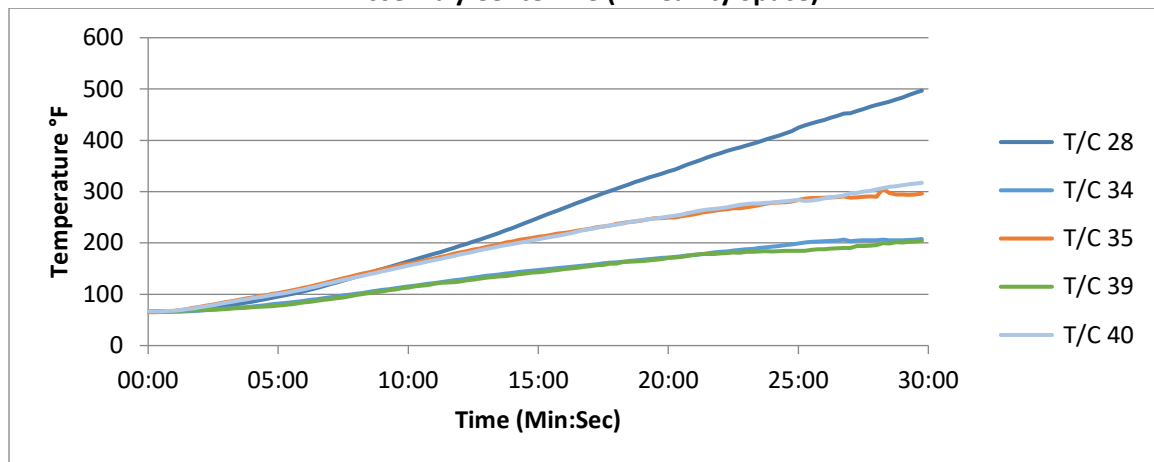
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GRAPHS



Graph No. 5
Assembly Centerline (Air Cavity Space)



Graph No. 6
10 ft. above the Window Opening Header (Air Cavity Space)

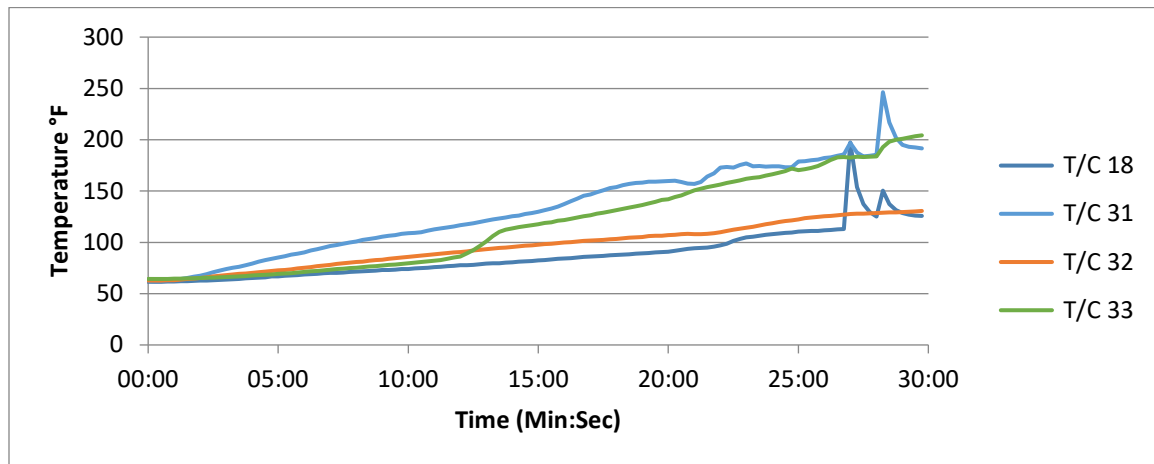
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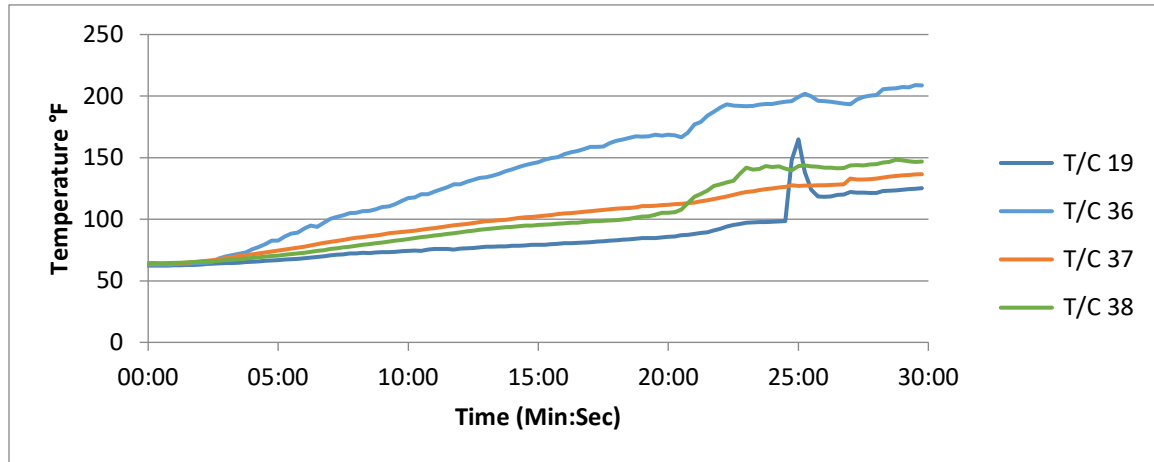
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GRAPHS



Graph No. 7
Left of Assembly Centerline (Air Cavity Space)



Graph No. 8
Right of Assembly Centerline (Air Cavity Space)

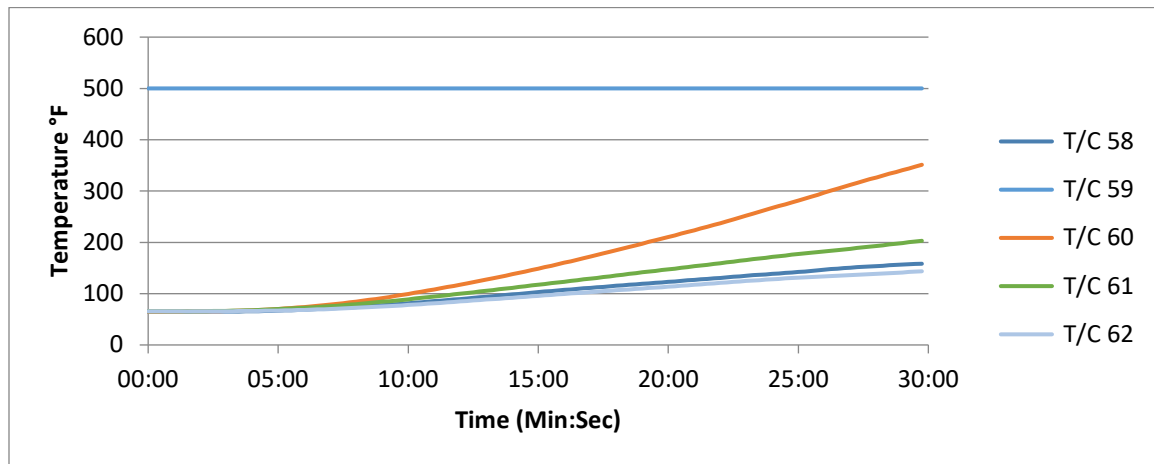
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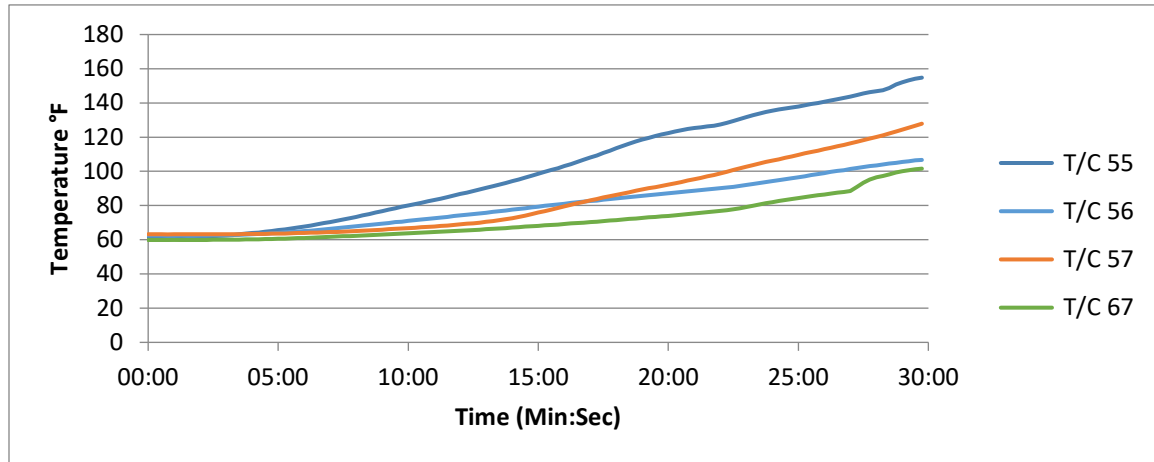
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GRAPHS



Graph No. 9
10 ft. above the Window Opening Header (Combustible Component)



Graph No. 10
Left of Assembly Centerline (Combustible Component)

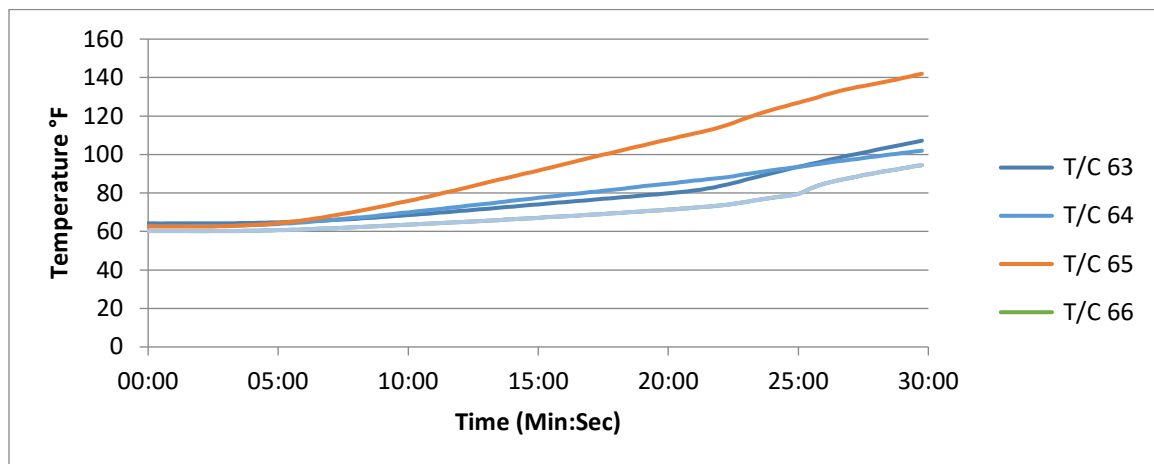
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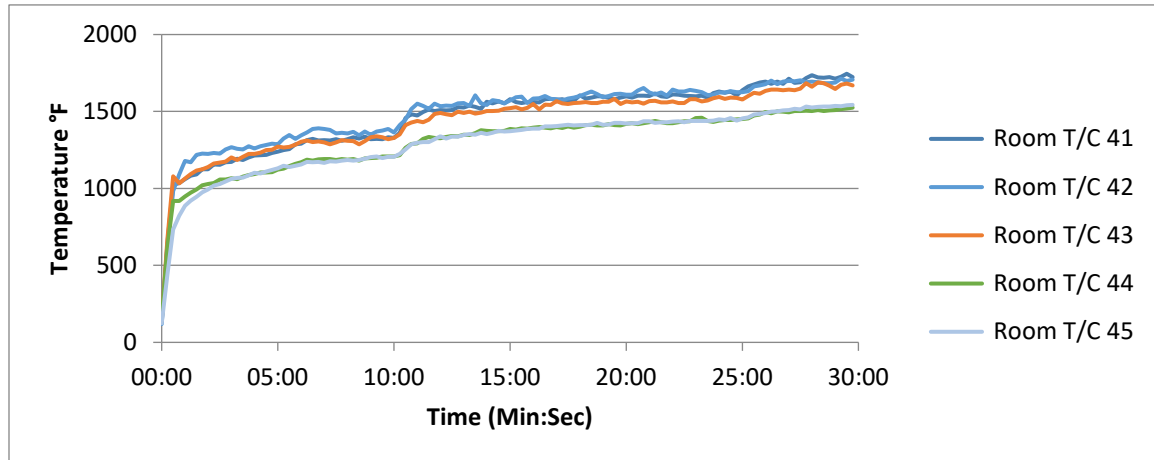
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GRAPHS



Graph No. 11
Right of Assembly Centerline (Combustible Component)



Graph No. 12
First-story Test Room Ceiling

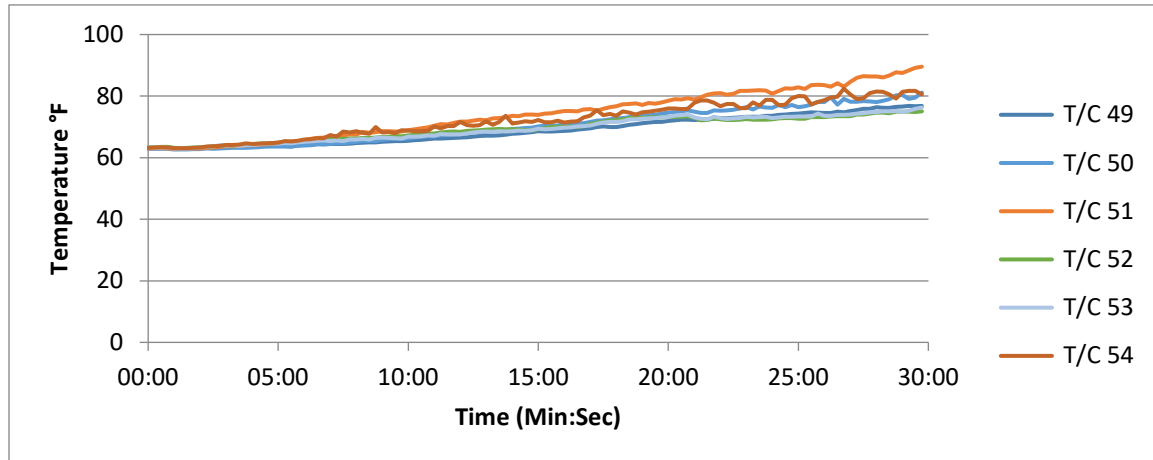
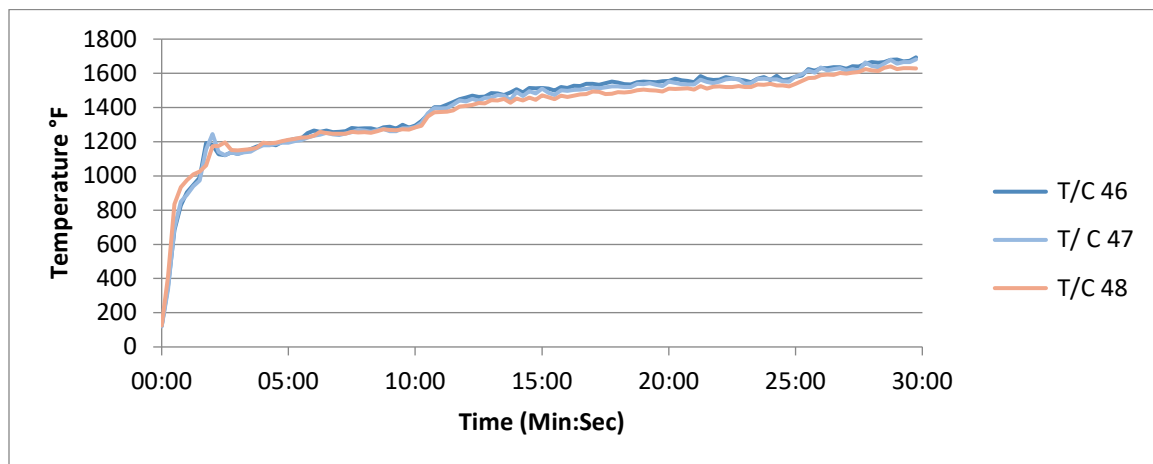
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GRAPHS



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SECTION 13

NUMERICAL DATA

TIME (Min:Sec)	ROOM GAS FLOW	WINDOW GAS FLOW	T/C 1	T/C 2	T/C 3	T/C 4	T/C 5	T/C 6	T/C 7	T/C 8	T/C 9
00:00	-0.5	-0.1	81	99	105	102	96	94	91	88	87
00:15	28.9	-0.1	629	298	400	430	385	367	308	273	262
00:30	46.8	-0.1	994	558	686	651	583	522	461	402	374
00:45	38.2	-0.1	941	588	683	615	537	468	427	379	353
01:00	36.4	-0.1	939	610	697	660	601	530	473	416	383
01:15	36.4	-0.1	972	625	715	683	624	549	490	424	389
01:30	36.5	-0.1	986	660	738	694	614	518	458	389	356
01:45	36.5	-0.1	1023	682	800	735	668	578	513	445	413
02:00	36.5	-0.1	1048	739	833	767	705	606	527	456	416
02:15	36.5	-0.1	1051	730	798	733	659	555	476	422	387
02:30	36.5	-0.1	1055	729	816	766	683	573	495	425	389
02:45	36.4	-0.1	1058	738	815	777	711	613	547	460	421
03:00	36.5	-0.1	1046	734	807	769	700	615	543	472	433
03:15	36.5	-0.1	1069	708	801	751	684	600	544	474	436
03:30	36.5	-0.1	1082	705	790	741	673	592	528	464	424
03:45	36.5	-0.1	1095	719	812	755	672	581	522	456	418
04:00	36.5	-0.1	1094	724	831	783	702	616	548	470	426
04:15	36.5	-0.1	1084	705	810	767	694	612	545	478	440
04:30	36.5	-0.1	1096	728	824	760	705	615	560	484	445
04:45	36.5	-0.1	1115	733	827	773	709	617	553	474	437
05:00	36.5	-0.1	1090	721	828	769	716	632	574	501	459
05:15	36.5	9.6	1125	799	1027	1092	1085	990	899	762	710
05:30	36.5	9.4	1172	820	1016	1065	1071	977	890	762	695
05:45	36.5	3.1	1206	812	958	975	934	827	735	637	569
06:00	36.5	4.2	1153	813	1025	1076	1018	883	775	666	617
06:15	36.5	4.5	1147	861	1038	1066	1010	900	809	692	627
06:30	36.5	4.4	1161	873	1043	1063	1040	963	885	767	700
06:45	36.5	4.4	1143	856	1031	1073	1040	923	822	684	616
07:00	36.5	4.4	1156	879	1070	1086	1010	861	763	664	601
07:15	36.5	4.3	1171	853	1043	1039	1015	895	790	681	620
07:30	36.5	4.4	1177	872	1059	1078	1016	903	795	698	639
07:45	36.4	4.4	1188	869	1057	1059	1016	927	825	706	635
08:00	36.4	4.4	1189	870	1036	1058	1006	901	809	700	644
08:15	36.5	4.4	1178	875	1056	1083	1059	933	836	713	647
08:30	36.5	4.4	1167	883	1060	1073	1026	913	823	707	642
08:45	36.5	4.4	1171	854	1012	1040	1022	910	811	695	620
09:00	36.5	4.4	1137	838	995	1048	1033	929	847	744	685
09:15	36.5	4.4	1142	864	1027	1045	1030	946	875	756	692
09:30	36.5	4.4	1149	878	1081	1060	985	861	774	676	621
09:45	36.5	4.4	1173	879	1063	1084	1008	883	785	684	615
10:00	36.5	4.4	1162	888	1055	1090	1054	913	793	682	621
10:15	37.9	4.6	1204	893	1104	1125	1088	950	850	717	655
10:30	43.3	5.4	1233	938	1141	1175	1159	1045	920	789	711

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TIME (Min:Sec)	ROOM GAS FLOW	WINDOW GAS FLOW	T/C 1	T/C 2	T/C 3	T/C 4	T/C 5	T/C 6	T/C 7	T/C 8	T/C 9
10:45	45.0	5.7	1275	930	1122	1166	1142	1047	950	821	737
11:00	44.7	5.8	1277	937	1158	1188	1179	1078	1012	887	818
11:15	44.9	5.8	1304	959	1122	1149	1145	1058	996	886	824
11:30	45.1	5.8	1323	963	1157	1245	1229	1110	1000	861	781
11:45	45.0	5.8	1294	975	1164	1206	1168	1041	935	797	696
12:00	44.9	5.8	1298	980	1158	1199	1171	1064	935	815	757
12:15	44.9	5.8	1301	977	1151	1182	1140	1025	930	792	705
12:30	44.9	5.7	1303	966	1137	1162	1161	1066	998	887	824
12:45	45.0	5.7	1290	962	1119	1161	1160	1059	960	828	757
13:00	45.1	5.7	1323	960	1139	1183	1167	1096	1031	917	841
13:15	44.8	5.7	1322	953	1122	1175	1154	1045	951	841	760
13:30	45.0	5.7	1310	957	1140	1159	1140	1056	979	854	779
13:45	44.9	5.7	1314	968	1135	1171	1157	1073	1013	903	826
14:00	44.9	5.7	1317	962	1125	1161	1160	1097	1000	863	760
14:15	44.9	5.7	1332	970	1136	1202	1175	1068	964	832	755
14:30	44.9	5.6	1296	951	1109	1147	1136	1052	972	863	790
14:45	44.9	5.7	1316	963	1145	1187	1179	1074	993	872	805
15:00	44.9	5.7	1310	969	1138	1202	1197	1103	1005	877	805
15:15	44.9	6.3	1330	999	1177	1228	1219	1137	1032	908	827
15:30	44.8	7.9	1302	997	1180	1234	1254	1156	1068	916	821
15:45	44.8	8.3	1347	995	1167	1240	1255	1168	1087	960	872
16:00	44.8	8.3	1335	992	1164	1201	1194	1109	1012	894	820
16:15	44.8	8.3	1326	994	1165	1234	1224	1142	1061	933	834
16:30	44.8	8.3	1331	1011	1195	1252	1243	1162	1096	955	872
16:45	44.8	8.3	1320	1021	1206	1256	1241	1135	1038	885	804
17:00	44.7	8.3	1260	1026	1192	1251	1231	1126	1031	914	838
17:15	44.8	8.3	1327	999	1186	1235	1231	1144	1037	901	817
17:30	44.7	8.3	1325	1005	1210	1290	1265	1136	1024	907	814
17:45	44.8	8.3	1376	1016	1190	1234	1223	1125	1035	902	814
18:00	44.8	8.3	1375	1053	1226	1278	1266	1183	1091	973	877
18:15	44.8	8.3	1343	1033	1237	1276	1261	1143	1035	924	848
18:30	44.8	8.3	1362	1020	1207	1245	1212	1117	1035	913	835
18:45	44.8	8.3	1318	1008	1188	1229	1238	1160	1079	971	886
19:00	44.8	8.3	1349	1018	1198	1257	1228	1123	1016	897	800
19:15	44.8	8.3	1329	1004	1192	1245	1268	1176	1079	960	874
19:30	44.8	8.3	1362	1038	1236	1290	1255	1133	1022	892	809
19:45	44.8	8.3	1342	1009	1175	1204	1234	1143	1052	911	817
20:00	44.8	8.3	1350	1027	1212	1273	1262	1154	1064	933	856
20:15	44.7	9.0	1351	1035	1232	1263	1282	1182	1109	1010	919
20:30	44.7	10.8	1347	1043	1223	1259	1275	1185	1120	1008	936
20:45	44.8	11.2	1370	1043	1214	1222	1275	1197	1133	1031	941
21:00	44.7	11.2	1342	1073	1283	1317	1303	1190	1100	964	862
21:15	44.8	11.2	1374	1065	1242	1262	1248	1134	1053	936	861
21:30	44.8	11.2	1362	1068	1259	1290	1296	1208	1101	972	880
21:45	44.7	11.3	1367	1077	1265	1297	1287	1190	1108	996	903
22:00	44.7	11.3	1369	1081	1286	1312	1309	1202	1076	926	809

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22:15	44.7	11.3	1380	1078	1237	1273	1319	1248	1145	1020	918
22:30	44.8	11.3	1375	1084	1222	1244	1287	1236	1169	1047	961
22:45	44.8	11.2	1377	1087	1249	1261	1307	1232	1167	1065	977
23:00	44.8	11.2	1358	1086	1215	1213	1270	1203	1162	1060	981
23:15	44.8	11.2	1363	1081	1211	1228	1271	1215	1172	1082	999
23:30	44.7	11.3	1348	1079	1216	1218	1250	1201	1156	1044	955
23:45	44.7	11.3	1364	1075	1214	1241	1273	1198	1153	1057	978
24:00	44.8	11.3	1328	1080	1238	1261	1296	1235	1192	1080	991
24:15	44.7	11.3	1367	1068	1210	1222	1257	1190	1137	1036	954
24:30	44.7	11.3	1371	1076	1240	1275	1324	1238	1171	1054	965
24:45	44.7	11.3	1378	1069	1222	1278	1344	1249	1184	1053	947
25:00	44.8	11.3	1381	1085	1239	1281	1310	1201	1104	988	911
25:15	45.6	12.4	1393	1095	1276	1311	1334	1258	1192	1057	954
25:30	48.1	15.4	1428	1107	1288	1339	1387	1290	1230	1111	1021
25:45	48.6	15.9	1422	1110	1279	1301	1350	1277	1225	1109	1028
26:00	48.7	16.0	1412	1117	1295	1332	1393	1301	1215	1075	971
26:15	48.7	16.1	1444	1122	1287	1324	1395	1323	1271	1162	1066
26:30	48.5	16.1	1430	1132	1312	1356	1395	1313	1265	1138	1038
26:45	48.8	16.0	1432	1134	1299	1316	1346	1266	1214	1104	1022
27:00	48.6	16.0	1443	1143	1284	1294	1336	1256	1236	1130	1026
27:15	48.9	16.0	1456	1157	1304	1302	1363	1297	1266	1182	1104
27:30	48.7	15.9	1449	1144	1308	1334	1392	1292	1227	1086	996
27:45	48.6	16.0	1417	1129	1275	1299	1350	1280	1264	1177	1083
28:00	48.7	16.0	1449	1162	1299	1334	1381	1294	1250	1124	1002
28:15	48.7	16.0	1419	1168	1332	1361	1417	1313	1262	1148	1027
28:30	48.6	16.1	1430	1136	1262	1266	1327	1266	1255	1160	1020
28:45	48.7	16.0	1423	1136	1293	1317	1384	1264	1218	1112	966
29:00	48.6	16.0	1439	1180	1358	1371	1424	1312	1258	1127	1008
29:15	48.5	16.0	1439	1174	1355	1360	1387	1289	1256	1166	1044
29:30	48.7	16.0	1448	1218	1367	1339	1372	1248	1212	1091	971
29:45	48.7	16.0	1435	1257	1384	1371	1418	1304	1281	1167	1034
30:00	48.6	16.0	1417	1282	1459	1448	1489	1320	1296	1170	1038

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00:00	85	83	81	79	69	71	75	69	62	62
00:15	243	228	206	190	77	107	156	83	62	62
00:30	339	314	285	270	110	158	229	115	62	62
00:45	319	303	277	269	109	169	202	104	62	62
01:00	349	326	301	284	109	173	221	102	62	63
01:15	353	334	304	284	115	183	211	111	62	63
01:30	320	294	272	257	112	180	218	116	62	63
01:45	373	348	312	292	118	190	244	119	62	63
02:00	370	342	309	286	120	185	222	116	63	63
02:15	347	320	289	275	121	187	253	136	63	64
02:30	344	319	293	281	116	195	243	150	63	64
02:45	378	346	313	296	121	189	226	139	63	64
03:00	390	368	324	300	118	187	246	132	64	64
03:15	396	371	338	320	116	195	247	122	64	65
03:30	383	357	325	307	120	200	237	123	64	65
03:45	372	345	315	302	119	212	241	126	65	65
04:00	386	357	330	309	128	211	230	131	65	65
04:15	394	364	330	310	126	206	248	135	66	66
04:30	403	371	342	329	115	209	230	140	66	66
04:45	390	354	324	306	116	219	237	129	67	67
05:00	407	370	338	318	114	213	247	139	67	67
05:15	610	547	474	440	118	240	336	141	67	67
05:30	609	554	498	455	124	271	330	162	68	68
05:45	508	467	424	403	135	274	304	147	68	68
06:00	534	484	427	396	129	275	329	163	69	68
06:15	542	494	439	408	135	270	340	154	69	69
06:30	608	551	481	440	135	278	348	146	69	69
06:45	548	503	448	417	129	268	336	146	70	70
07:00	531	494	450	415	128	269	357	149	70	71
07:15	538	495	449	421	130	272	354	155	70	71
07:30	567	508	441	404	127	275	357	162	71	72
07:45	547	487	436	404	136	299	324	160	71	72
08:00	566	509	452	416	132	285	318	179	72	72
08:15	567	514	465	431	135	286	360	146	72	73
08:30	567	517	457	418	135	288	354	148	72	72
08:45	548	511	466	432	139	283	345	161	72	73
09:00	609	566	505	466	133	295	356	163	73	73
09:15	619	556	493	461	142	291	374	151	73	73
09:30	557	503	447	413	130	290	352	153	73	73
09:45	547	502	453	417	135	301	340	163	74	74
10:00	555	518	474	432	132	301	354	158	74	74
10:15	585	535	486	439	133	302	375	147	75	74
10:30	623	555	491	442	135	311	390	163	75	74
10:45	664	600	535	483	131	320	398	156	75	75
11:00	713	645	589	535	137	320	350	157	76	76
11:15	735	660	582	529	134	315	359	157	76	76
11:30	684	622	559	514	149	312	371	151	77	76

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TIME (Min:Sec)	T/C 10	T/C 11	T/C 12	T/C 13	T/C 14	T/C 15	T/C 16	T/C 17	T/C 18	T/C 19
11:45	614	560	508	477	140	331	403	159	77	75
12:00	656	592	535	493	148	332	407	146	78	76
12:15	624	574	516	477	158	325	388	158	78	76
12:30	730	649	574	511	150	322	366	162	78	77
12:45	683	628	572	530	140	316	384	159	79	77
13:00	755	668	592	549	139	316	368	167	79	78
13:15	675	606	543	511	143	318	390	160	79	78
13:30	702	642	573	523	156	337	367	154	80	78
13:45	719	645	580	526	145	345	385	159	80	78
14:00	655	599	536	488	145	339	395	170	81	79
14:15	668	600	540	493	149	341	393	173	81	79
14:30	702	625	556	501	148	345	412	164	81	79
14:45	725	653	579	522	145	345	392	156	82	79
15:00	720	666	595	545	142	325	404	157	82	79
15:15	722	646	573	520	153	337	364	162	83	79
15:30	693	633	569	514	153	346	427	158	83	80
15:45	763	694	616	560	158	337	436	163	84	80
16:00	737	670	602	552	158	359	454	170	84	80
16:15	739	678	607	559	148	353	386	167	85	81
16:30	778	699	622	570	157	361	411	172	85	81
16:45	706	631	564	519	153	359	413	169	86	81
17:00	748	673	607	553	151	349	427	164	86	81
17:15	728	657	583	524	152	349	432	199	87	82
17:30	734	668	597	539	151	363	428	173	87	82
17:45	723	659	591	544	156	364	411	181	87	83
18:00	758	665	593	538	148	367	428	174	88	83
18:15	742	666	596	548	157	363	425	183	88	83
18:30	741	661	593	538	150	365	442	184	88	84
18:45	781	695	624	571	148	361	410	174	89	84
19:00	704	640	575	530	156	363	421	172	89	85
19:15	776	699	625	567	150	355	440	194	90	85
19:30	722	653	589	544	160	359	402	210	90	85
19:45	704	628	568	521	154	354	429	193	91	85
20:00	768	701	626	567	149	363	429	181	91	86
20:15	822	747	659	606	153	357	430	177	92	86
20:30	837	766	676	619	160	390	455	167	93	87
20:45	840	762	684	632	160	384	402	165	94	87
21:00	750	667	594	551	157	380	459	178	94	88
21:15	781	712	639	575	157	393	457	192	95	89
21:30	784	703	624	572	164	395	443	190	95	89
21:45	801	714	621	570	165	403	470	182	96	91
22:00	699	626	563	523	170	392	470	196	97	92
22:15	803	701	614	561	164	399	458	176	99	94
22:30	850	770	687	621	165	394	454	171	102	95
22:45	866	788	709	648	160	386	414	161	103	96
23:00	881	792	700	634	162	389	401	165	105	97
23:15	873	779	687	626	161	396	392	163	106	97

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23:30	860	779	692	631	166	380	405	164	106	98
23:45	866	779	674	600	164	397	426	174	107	98
24:00	876	766	668	608	168	386	440	173	108	98
24:15	862	778	690	640	154	384	440	163	109	98
24:30	854	753	664	596	156	399	465	188	109	98
24:45	855	754	655	588	167	390	430	179	109	148
25:00	811	726	646	592	169	398	458	168	111	165
25:15	857	756	675	619	163	383	462	166	111	138
25:30	915	825	729	656	161	400	495	188	111	124
25:45	915	805	712	652	175	410	472	173	111	119
26:00	868	765	662	605	172	420	470	189	112	118
26:15	960	851	736	662	173	420	441	179	112	118
26:30	913	807	697	636	162	421	516	183	113	120
26:45	906	815	711	638	165	404	503	185	113	120
27:00	947	867	756	691	161	401	450	180	197	122
27:15	1025	936	815	728	167	408	454	176	154	122
27:30	899	812	706	638	170	409	490	177	137	122
27:45	1004	902	788	699	161	394	468	176	129	121
28:00	927	844	749	681	162	411	488	179	125	121
28:15	938	816	719	652	161	417	498	183	150	123
28:30	957	876	778	707	162	393	497	183	137	123
28:45	879	785	692	616	172	414	534	187	132	123
29:00	920	809	692	617	170	410	488	186	129	124
29:15	964	860	752	678	167	405	483	184	127	125
29:30	867	781	701	635	181	427	516	177	126	125
29:45	964	899	790	714	168	411	493	176	126	125
30:00	984	892	780	726	179	431	467	179	129	125

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TIME (Min:Sec)	T/C 20	T/C 21	T/C 22	T/C 23	T/C 24	T/C 25	T/C 26	T/C 27	T/C 28	T/C 29
00:00	63	63	64	62	63	63	65	66	66	67
00:15	63	63	64	63	63	63	65	66	66	67
00:30	65	65	64	64	63	63	66	66	66	67
00:45	70	69	64	68	64	64	66	67	66	68
01:00	75	73	65	71	65	64	67	67	67	69
01:15	81	78	65	75	66	65	67	68	68	70
01:30	86	82	66	79	67	66	68	69	68	71
01:45	91	88	68	84	69	67	70	71	69	72
02:00	97	93	69	87	71	69	71	72	71	74
02:15	102	99	71	92	73	70	73	74	72	75
02:30	108	105	73	96	76	72	75	76	74	77
02:45	114	111	76	100	79	74	77	77	75	79
03:00	120	117	78	105	82	76	79	79	77	81
03:15	126	124	81	110	85	78	82	81	79	83
03:30	132	130	85	114	88	81	85	83	81	85
03:45	139	137	89	119	92	84	88	85	83	87
04:00	145	143	93	123	96	86	90	87	86	89
04:15	151	149	97	128	99	89	93	90	88	91
04:30	158	156	102	132	103	93	96	92	90	94
04:45	164	162	106	137	107	96	100	94	93	96
05:00	171	168	111	142	112	100	103	97	95	98
05:15	177	174	116	147	116	104	106	99	98	101
05:30	185	181	120	153	120	108	109	102	100	103
05:45	193	189	125	159	124	112	113	105	103	106
06:00	201	197	130	166	129	117	117	108	106	109
06:15	209	204	135	172	134	121	121	112	109	113
06:30	218	212	140	179	140	127	125	115	113	116
06:45	229	220	146	186	146	132	129	119	116	119
07:00	240	230	153	193	152	138	134	123	120	123
07:15	252	240	159	200	158	144	138	127	123	126
07:30	263	251	167	207	165	149	143	131	127	129
07:45	275	261	174	215	171	155	147	135	130	133
08:00	287	271	182	222	178	161	152	139	134	136
08:15	298	281	190	230	184	167	156	143	138	139
08:30	309	290	197	238	190	172	161	147	141	142
08:45	319	299	205	247	197	179	166	151	145	146
09:00	329	307	211	255	203	185	171	156	149	149
09:15	339	316	217	263	209	191	176	159	153	153
09:30	348	325	225	271	215	196	181	164	156	156
09:45	357	333	233	279	221	201	186	168	160	159
10:00	367	341	242	286	228	206	191	172	164	162
10:15	376	349	251	294	234	211	197	175	168	166
10:30	385	358	259	301	241	215	201	179	172	169
10:45	394	365	267	309	247	219	206	182	175	172
11:00	403	374	275	317	254	224	212	185	179	176
11:15	413	382	284	325	261	229	218	190	182	179
11:30	422	391	292	332	268	234	224	193	186	183

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Report No.: P4166.02-121-24-R0

Date: 01/20/23

TIME (Min:Sec)	T/C 20	T/C 21	T/C 22	T/C 23	T/C 24	T/C 25	T/C 26	T/C 27	T/C 28	T/C 29
11:45	430	400	303	341	275	240	231	197	190	187
12:00	432	409	312	349	282	246	237	201	195	190
12:15	439	418	322	357	289	253	243	206	199	194
12:30	447	426	331	365	296	260	249	210	203	198
12:45	456	435	341	373	303	266	254	214	207	202
13:00	464	444	350	380	310	273	259	219	211	205
13:15	472	452	359	388	317	279	263	224	215	209
13:30	481	461	368	396	324	286	266	229	220	212
13:45	490	470	377	403	330	292	270	234	224	216
14:00	498	478	386	410	337	299	274	239	229	220
14:15	506	486	395	417	344	305	278	244	234	223
14:30	513	494	404	424	350	311	282	249	239	226
14:45	520	501	412	431	357	318	287	255	244	230
15:00	527	508	420	438	363	324	292	260	249	235
15:15	534	515	428	445	370	330	297	265	254	239
15:30	541	523	436	452	376	336	302	270	259	243
15:45	548	531	443	459	382	343	307	275	263	247
16:00	555	539	451	466	389	352	313	280	268	251
16:15	562	547	458	472	395	359	318	286	273	255
16:30	568	555	465	479	402	366	324	291	278	259
16:45	575	562	473	486	409	373	329	295	283	263
17:00	583	570	480	492	417	379	334	300	287	267
17:15	590	578	488	499	423	386	339	305	292	270
17:30	601	586	495	505	430	392	344	311	297	274
17:45	607	593	502	511	436	398	349	315	301	278
18:00	613	600	509	517	443	404	354	320	306	281
18:15	619	606	516	523	449	408	359	325	310	284
18:30	625	612	522	529	454	414	364	330	315	288
18:45	631	616	528	535	460	418	368	335	319	291
19:00	637	621	533	540	466	423	373	340	323	294
19:15	643	626	539	546	471	428	377	345	327	298
19:30	648	631	544	551	477	432	382	349	331	301
19:45	654	635	549	558	482	437	386	354	335	304
20:00	660	638	555	565	487	443	390	358	339	308
20:15	668	643	561	576	499	449	395	362	343	311
20:30	671	649	567	581	500	457	400	367	348	314
20:45	678	655	573	589	504	464	406	372	353	318
21:00	688	663	580	596	510	469	411	376	357	321
21:15	698	672	587	602	515	476	416	382	362	325
21:30	710	681	594	609	520	483	420	387	367	328
21:45	721	691	601	616	525	488	425	393	371	331
22:00	730	699	607	623	530	494	429	397	375	335
22:15	739	707	613	629	536	500	434	402	379	338
22:30	747	716	620	635	542	506	440	406	383	341
22:45	755	723	626	643	547	512	445	410	386	345
23:00	761	731	631	652	553	516	449	415	390	348
23:15	767	735	637	661	559	524	452	419	394	352

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Report No.: P4166.02-121-24-R0

Date: 01/20/23

TIME (Min:Sec)	T/C 20	T/C 21	T/C 22	T/C 23	T/C 24	T/C 25	T/C 26	T/C 27	T/C 28	T/C 29
23:30	771	741	642	668	565	528	455	423	397	356
23:45	773	744	648	675	570	534	459	428	401	359
24:00	775	748	653	681	575	538	463	432	405	363
24:15	776	752	659	688	580	544	467	437	409	366
24:30	777	756	663	694	585	549	470	441	413	370
24:45	777	761	669	718	591	557	473	446	418	374
25:00	778	766	675	707	597	559	478	450	425	377
25:15	779	770	680	708	603	563	479	454	429	380
25:30	781	772	685	712	609	565	480	458	433	383
25:45	782	777	691	717	614	571	481	462	436	387
26:00	783	783	697	723	620	577	483	467	440	390
26:15	785	785	702	727	625	582	486	471	444	21
26:30	787	788	706	732	631	585	489	475	448	397
26:45	790	791	710	737	638	588	493	479	452	400
27:00	793	794	715	743	644	592	503	484	453	403
27:15	796	796	719	748	652	601	505	488	457	407
27:30	799	798	721	753	659	607	509	493	461	410
27:45	802	801	725	757	666	614	515	497	465	414
28:00	805	804	728	761	673	621	519	502	469	417
28:15	807	805	733	769	683	626	535	506	472	421
28:30	810	804	735	766	687	632	533	511	475	424
28:45	813	806	737	767	693	637	540	515	479	427
29:00	816	808	739	768	696	641	544	519	484	431
29:15	819	810	741	769	701	645	548	524	488	434
29:30	822	813	743	771	705	647	552	528	492	437
29:45	825	816	746	772	709	649	556	532	497	440
30:00	829	819	748	773	713	653	562	536	501	443

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TIME (Min:Sec)	T/C 30	T/C 31	T/C 32	T/C 33	T/C 34	T/C 35	T/C 36	T/C 37	T/C 38	T/C 39
00:00	66	63	63	64	65	65	63	64	64	67
00:15	66	63	63	64	65	65	63	64	64	67
00:30	67	63	63	64	66	65	63	64	64	67
00:45	67	63	63	64	66	66	63	64	64	68
01:00	68	63	63	65	66	68	63	64	65	68
01:15	69	64	64	65	66	69	64	64	65	68
01:30	69	65	64	65	67	71	64	65	65	68
01:45	70	66	65	65	68	73	64	65	65	69
02:00	71	68	65	65	68	76	64	66	65	69
02:15	72	69	66	65	69	78	65	66	66	69
02:30	73	71	67	66	70	80	65	67	66	70
02:45	75	73	67	66	71	83	68	68	66	71
03:00	76	74	68	66	72	85	70	69	67	71
03:15	77	75	69	67	73	87	71	69	67	72
03:30	79	76	69	67	74	89	72	70	68	73
03:45	80	78	70	67	75	92	73	71	68	74
04:00	82	79	70	68	76	94	76	72	69	75
04:15	83	81	71	68	78	96	77	72	69	76
04:30	85	83	71	68	79	98	80	73	70	76
04:45	86	84	72	69	80	100	83	74	70	77
05:00	87	85	73	69	82	102	83	75	70	78
05:15	89	86	73	70	83	105	86	75	71	79
05:30	91	88	74	70	84	107	88	76	72	81
05:45	93	89	75	71	86	110	89	77	72	82
06:00	95	90	75	71	87	113	93	78	73	84
06:15	97	92	76	72	89	116	95	79	74	85
06:30	99	93	77	72	91	119	94	80	74	87
06:45	102	95	78	73	92	122	97	81	75	89
07:00	104	96	78	73	94	125	100	82	76	90
07:15	107	97	79	74	96	128	102	82	76	93
07:30	109	98	79	74	98	131	103	83	77	94
07:45	111	100	80	75	99	134	105	84	78	96
08:00	113	101	81	75	101	137	105	85	78	99
08:15	116	103	81	76	103	140	107	86	79	100
08:30	118	103	82	76	105	143	107	86	80	102
08:45	121	104	83	77	107	146	108	87	80	104
09:00	123	105	83	77	108	149	110	88	81	106
09:15	127	106	84	78	110	152	111	88	82	108
09:30	129	107	84	78	112	154	112	89	83	109
09:45	132	108	85	79	113	158	115	90	83	112
10:00	134	109	86	80	115	159	117	90	84	113
10:15	137	109	86	80	117	162	118	91	85	115
10:30	140	110	87	81	119	164	120	91	85	116
10:45	143	111	88	81	120	167	120	92	86	118
11:00	146	113	88	82	122	170	122	93	87	120
11:15	149	114	89	83	123	173	124	94	87	122
11:30	152	115	89	84	125	175	126	94	88	123

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TIME (Min:Sec)	T/C 30	T/C 31	T/C 32	T/C 33	T/C 34	T/C 35	T/C 36	T/C 37	T/C 38	T/C 39
11:45	154	115	90	85	127	179	128	95	89	124
12:00	158	117	91	86	128	182	128	96	89	125
12:15	161	118	91	89	130	184	130	96	90	127
12:30	163	118	92	93	132	187	132	97	91	128
12:45	166	120	93	96	134	189	134	98	91	131
13:00	170	121	93	101	136	192	134	99	92	132
13:15	172	122	94	106	137	195	135	99	92	133
13:30	175	123	95	110	139	197	137	99	93	134
13:45	178	124	95	112	140	201	139	100	94	136
14:00	180	125	96	114	142	203	141	100	94	137
14:15	183	126	96	115	143	206	142	101	94	139
14:30	186	128	97	116	145	208	144	101	95	141
14:45	188	129	97	117	146	209	145	102	95	142
15:00	191	130	98	118	147	212	146	102	95	143
15:15	194	131	98	119	148	214	148	103	96	144
15:30	197	133	99	119	150	216	150	104	96	146
15:45	201	135	99	121	151	218	151	104	96	147
16:00	203	137	100	122	152	220	153	105	97	149
16:15	207	140	100	123	153	222	154	105	97	150
16:30	210	143	101	124	155	224	155	105	97	151
16:45	213	145	101	125	156	226	157	106	98	154
17:00	216	147	102	126	157	228	159	107	98	155
17:15	219	149	102	128	159	231	159	107	98	157
17:30	222	151	102	129	160	232	159	108	99	157
17:45	226	153	103	130	161	234	162	108	99	159
18:00	230	154	103	131	162	237	164	109	99	159
18:15	233	156	104	132	163	239	165	109	100	163
18:30	237	157	104	134	165	241	166	109	100	163
18:45	241	158	105	135	166	242	167	110	101	164
19:00	245	158	105	136	167	244	167	111	102	165
19:15	248	159	106	138	168	246	167	111	102	166
19:30	251	159	106	140	170	248	169	111	104	167
19:45	255	159	107	141	171	249	168	111	105	169
20:00	259	160	107	142	172	250	169	112	105	171
20:15	261	160	107	144	172	250	168	112	106	172
20:30	265	159	108	146	174	252	166	112	108	173
20:45	270	157	108	148	176	254	170	113	113	175
21:00	274	157	108	151	176	256	177	114	118	177
21:15	278	159	108	152	178	259	179	115	121	179
21:30	282	164	108	154	180	261	184	115	123	178
21:45	287	167	109	155	182	263	187	116	127	178
22:00	290	173	110	156	183	265	191	118	128	179
22:15	293	174	111	158	184	266	193	119	130	180
22:30	297	173	112	159	185	268	192	120	131	181
22:45	300	175	113	160	186	268	192	121	137	181
23:00	304	177	114	162	188	270	192	122	142	183
23:15	306	174	115	163	189	271	192	123	140	183

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TIME (Min:Sec)	T/C 30	T/C 31	T/C 32	T/C 33	T/C 34	T/C 35	T/C 36	T/C 37	T/C 38	T/C 39
23:30	309	174	116	164	191	274	193	124	141	184
23:45	312	174	118	165	192	276	194	125	143	184
24:00	317	174	119	166	193	278	194	125	142	183
24:15	321	174	120	168	194	279	195	126	143	184
24:30	325	173	121	169	196	279	195	126	141	185
24:45	329	173	121	172	197	281	196	128	140	185
25:00	335	179	122	170	199	284	199	127	143	185
25:15	340	179	123	171	201	286	202	127	144	185
25:30	344	180	124	173	202	288	200	127	143	187
25:45	347	181	125	174	203	288	196	127	143	188
26:00	350	182	125	177	203	288	196	128	142	188
26:15	352	183	126	180	204	289	195	128	142	189
26:30	355	184	126	183	205	289	195	128	141	190
26:45	358	186	127	183	206	291	194	128	141	190
27:00	358	197	128	183	203	288	193	133	144	191
27:15	359	187	128	184	205	289	197	132	144	194
27:30	361	184	128	183	205	290	199	132	144	194
27:45	362	184	128	183	205	291	200	133	145	195
28:00	365	185	129	184	205	290	201	133	145	196
28:15	367	246	129	193	206	306	205	134	146	200
28:30	369	217	129	198	205	298	206	135	147	199
28:45	371	202	129	200	205	295	206	135	148	201
29:00	373	195	129	201	205	295	207	136	148	201
29:15	377	193	130	202	206	294	207	136	147	202
29:30	380	193	130	203	206	294	209	136	147	203
29:45	384	191	131	204	208	297	209	137	147	204
30:00	387	193	131	205	209	298	210	137	148	206

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TIME (Min:Sec)	T/C 40	T/C 41	T/C 42	T/C 43	T/C 44	T/C 45	T/C 46	T/C 47	T/C 48	T/C 49
00:00	67	131	119	140	151	124	123	120	125	63
00:15	67	645	621	669	621	441	357	337	413	63
00:30	67	1022	983	1078	919	734	684	695	835	63
00:45	67	1036	1091	1034	919	823	828	851	935	63
01:00	68	1060	1179	1064	947	888	904	890	975	63
01:15	69	1082	1171	1093	973	920	948	940	1009	63
01:30	71	1092	1218	1116	994	946	990	974	1025	63
01:45	73	1124	1227	1125	1020	976	1193	1155	1062	63
02:00	75	1125	1225	1140	1029	994	1181	1245	1174	63
02:15	77	1156	1231	1162	1035	1019	1127	1140	1175	63
02:30	79	1154	1227	1168	1057	1030	1121	1121	1196	63
02:45	81	1171	1254	1174	1058	1046	1137	1139	1152	63
03:00	83	1172	1267	1202	1066	1061	1129	1129	1148	63
03:15	86	1193	1257	1184	1060	1068	1144	1137	1152	63
03:30	88	1184	1253	1206	1077	1072	1156	1141	1156	64
03:45	90	1201	1274	1225	1088	1086	1172	1163	1164	64
04:00	92	1214	1259	1224	1092	1101	1183	1180	1194	64
04:15	94	1217	1274	1233	1103	1097	1187	1179	1191	64
04:30	96	1218	1282	1250	1104	1109	1180	1187	1194	64
04:45	98	1230	1291	1252	1105	1120	1199	1195	1203	64
05:00	101	1240	1288	1272	1123	1130	1208	1195	1212	64
05:15	103	1250	1323	1267	1128	1147	1216	1203	1216	64
05:30	105	1256	1348	1270	1146	1138	1218	1209	1224	64
05:45	107	1287	1322	1284	1159	1148	1251	1223	1226	64
06:00	110	1291	1346	1302	1169	1155	1265	1234	1236	64
06:15	113	1314	1363	1312	1186	1171	1257	1241	1257	64
06:30	116	1321	1387	1301	1180	1171	1266	1253	1251	64
06:45	119	1313	1391	1305	1190	1172	1257	1242	1246	64
07:00	122	1314	1386	1298	1191	1167	1258	1239	1247	64
07:15	125	1312	1381	1287	1192	1178	1261	1249	1246	64
07:30	128	1319	1357	1300	1184	1174	1281	1255	1257	64
07:45	131	1309	1361	1313	1191	1181	1276	1268	1254	65
08:00	133	1319	1358	1310	1187	1185	1278	1265	1256	65
08:15	136	1332	1369	1307	1192	1181	1279	1258	1253	65
08:30	139	1324	1346	1286	1181	1185	1268	1267	1262	65
08:45	142	1336	1369	1308	1194	1194	1285	1275	1272	65
09:00	145	1320	1349	1332	1197	1203	1288	1261	1270	65
09:15	148	1323	1370	1338	1199	1207	1276	1262	1267	65
09:30	150	1320	1376	1332	1207	1198	1299	1278	1273	65
09:45	153	1333	1386	1321	1208	1205	1283	1279	1271	65
10:00	156	1328	1364	1329	1207	1205	1296	1285	1285	66
10:15	158	1362	1411	1350	1215	1224	1322	1311	1294	66
10:30	161	1458	1447	1412	1264	1253	1359	1367	1347	66
10:45	164	1481	1516	1428	1289	1288	1401	1397	1371	66
11:00	167	1473	1552	1439	1293	1296	1401	1394	1374	66
11:15	169	1496	1535	1429	1322	1302	1418	1397	1375	66
11:30	172	1513	1517	1448	1334	1302	1432	1417	1383	66

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TIME (Min:Sec)	T/C 40	T/C 41	T/C 42	T/C 43	T/C 44	T/C 45	T/C 46	T/C 47	T/C 48	T/C 49
11:45	175	1502	1550	1483	1327	1319	1449	1442	1405	66
12:00	178	1510	1535	1490	1325	1338	1458	1435	1410	67
12:15	180	1507	1537	1482	1335	1325	1470	1451	1416	67
12:30	183	1510	1537	1476	1341	1336	1463	1440	1426	67
12:45	186	1528	1553	1499	1340	1337	1465	1455	1425	67
13:00	188	1525	1554	1491	1349	1346	1484	1457	1443	67
13:15	191	1537	1537	1499	1347	1352	1483	1473	1441	67
13:30	193	1529	1606	1487	1359	1348	1474	1469	1450	67
13:45	196	1518	1553	1492	1378	1362	1488	1443	1428	67
14:00	198	1563	1543	1504	1374	1352	1507	1492	1452	68
14:15	200	1553	1573	1503	1373	1363	1489	1468	1441	68
14:30	202	1566	1567	1505	1372	1373	1514	1496	1458	68
14:45	205	1552	1553	1518	1375	1370	1513	1483	1445	68
15:00	207	1579	1572	1522	1387	1372	1515	1511	1471	69
15:15	210	1561	1593	1528	1382	1376	1511	1486	1460	68
15:30	212	1554	1596	1514	1391	1381	1500	1473	1449	69
15:45	214	1561	1556	1524	1388	1386	1520	1501	1469	69
16:00	217	1560	1584	1548	1394	1390	1514	1497	1462	69
16:15	219	1559	1587	1513	1398	1388	1528	1503	1469	69
16:30	222	1579	1602	1545	1394	1403	1525	1505	1476	69
16:45	225	1583	1582	1542	1390	1402	1539	1509	1478	69
17:00	227	1577	1579	1568	1399	1406	1539	1517	1494	70
17:15	230	1580	1573	1552	1393	1409	1534	1513	1492	70
17:30	232	1567	1584	1548	1403	1414	1543	1518	1479	70
17:45	234	1569	1591	1556	1395	1410	1552	1524	1480	70
18:00	236	1604	1601	1557	1402	1411	1547	1524	1490	70
18:15	238	1584	1615	1561	1412	1411	1537	1520	1487	70
18:30	240	1590	1631	1554	1414	1414	1534	1519	1492	71
18:45	242	1598	1613	1556	1409	1426	1548	1538	1500	71
19:00	244	1598	1592	1563	1409	1414	1552	1536	1505	71
19:15	246	1587	1601	1563	1418	1417	1550	1542	1500	71
19:30	248	1580	1614	1582	1411	1425	1548	1533	1500	72
19:45	250	1590	1615	1548	1409	1427	1554	1525	1493	72
20:00	251	1598	1609	1564	1419	1423	1554	1551	1510	72
20:15	253	1590	1609	1560	1423	1425	1568	1545	1509	72
20:30	255	1603	1635	1563	1417	1425	1560	1537	1511	72
20:45	258	1603	1652	1551	1423	1437	1556	1534	1512	72
21:00	261	1600	1623	1567	1429	1436	1547	1534	1505	72
21:15	263	1616	1612	1570	1438	1427	1583	1563	1525	72
21:30	265	1598	1623	1559	1430	1431	1567	1551	1511	72
21:45	266	1594	1602	1559	1424	1431	1560	1542	1521	73
22:00	268	1611	1643	1566	1425	1435	1564	1552	1524	73
22:15	270	1610	1631	1556	1430	1436	1577	1565	1519	73
22:30	272	1604	1629	1555	1437	1430	1570	1568	1520	73
22:45	274	1601	1641	1579	1437	1439	1566	1565	1526	73
23:00	276	1598	1635	1580	1457	1438	1557	1538	1519	73
23:15	277	1603	1625	1565	1459	1439	1549	1541	1519	73

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Date: 01/20/23

TIME (Min:Sec)	T/C 40	T/C 41	T/C 42	T/C 43	T/C 44	T/C 45	T/C 46	T/C 47	T/C 48	T/C 49
23:30	277	1590	1607	1571	1439	1439	1569	1566	1535	73
23:45	278	1619	1609	1586	1432	1441	1577	1568	1533	74
24:00	279	1630	1623	1594	1440	1449	1561	1565	1539	74
24:15	280	1622	1624	1583	1446	1444	1585	1565	1530	74
24:30	281	1630	1632	1590	1445	1456	1560	1553	1529	74
24:45	282	1605	1626	1588	1450	1441	1566	1552	1523	74
25:00	284	1638	1626	1578	1451	1456	1579	1582	1539	74
25:15	282	1662	1631	1601	1456	1462	1588	1595	1555	74
25:30	283	1676	1663	1622	1473	1479	1624	1618	1572	75
25:45	284	1689	1669	1615	1480	1485	1616	1605	1575	75
26:00	287	1694	1678	1633	1497	1490	1631	1634	1588	75
26:15	289	1680	1700	1643	1489	1499	1631	1618	1592	75
26:30	290	1694	1678	1641	1501	1501	1636	1625	1591	75
26:45	293	1680	1694	1639	1499	1506	1635	1630	1602	75
27:00	297	1713	1699	1641	1494	1509	1626	1615	1598	75
27:15	298	1685	1696	1638	1503	1517	1641	1624	1604	76
27:30	300	1690	1702	1649	1503	1514	1639	1615	1608	76
27:45	301	1716	1691	1683	1506	1533	1656	1664	1625	76
28:00	304	1736	1695	1662	1504	1526	1666	1644	1617	76
28:15	307	1721	1690	1689	1510	1529	1663	1635	1614	76
28:30	309	1720	1684	1684	1503	1532	1666	1657	1632	76
28:45	311	1722	1683	1667	1508	1532	1679	1679	1641	76
29:00	313	1712	1689	1646	1509	1536	1680	1657	1625	77
29:15	314	1726	1713	1673	1516	1535	1670	1665	1630	77
29:30	316	1745	1699	1681	1519	1541	1673	1666	1630	77
29:45	317	1723	1706	1669	1525	1543	1693	1682	1628	77
30:00	319	1710	1737	1679	1525	1540	1664	1672	1636	77

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Date: 01/20/23

TIME (Min:Sec)	T/C 50	T/C 51	T/C 52	T/C 53	T/C 54	T/C 55	T/C 56	T/C 57	T/C 58	T/C 59
00:00	63	63	63	63	63	62	62	63	65	500
00:15	63	63	63	63	63	62	62	63	65	500
00:30	63	63	64	63	63	62	62	63	65	500
00:45	63	63	64	63	63	62	62	63	65	500
01:00	63	63	63	63	63	62	62	63	65	500
01:15	63	63	63	63	63	62	62	63	65	500
01:30	63	63	63	63	63	62	62	63	65	500
01:45	63	63	63	63	63	62	62	63	65	500
02:00	63	63	63	63	63	62	62	63	65	500
02:15	63	63	64	64	64	62	62	63	65	500
02:30	63	63	64	64	64	62	63	63	65	500
02:45	63	64	64	64	64	62	63	63	65	500
03:00	63	64	64	64	64	62	63	63	65	500
03:15	63	64	64	64	64	63	63	63	65	500
03:30	63	64	64	64	64	63	63	63	65	500
03:45	63	64	64	64	65	64	63	63	66	500
04:00	63	64	64	64	64	64	63	63	66	500
04:15	63	64	65	64	65	64	63	63	66	500
04:30	64	64	65	65	65	65	64	63	66	500
04:45	64	65	65	65	65	65	64	64	67	500
05:00	64	65	65	65	65	66	64	64	67	500
05:15	64	65	65	65	65	66	64	64	67	500
05:30	64	65	65	65	65	67	65	64	68	500
05:45	64	65	65	65	65	67	65	64	68	500
06:00	64	66	66	65	66	68	65	64	69	500
06:15	64	66	66	65	66	68	65	64	69	500
06:30	64	66	66	65	66	69	66	64	70	500
06:45	64	67	66	66	66	70	66	64	70	500
07:00	64	67	66	65	67	70	66	65	71	500
07:15	65	67	66	66	67	71	67	65	72	500
07:30	65	67	66	65	68	72	67	65	72	500
07:45	65	68	66	66	68	73	68	65	73	500
08:00	65	67	66	66	69	73	68	65	74	500
08:15	65	68	66	66	68	74	68	65	75	500
08:30	65	68	66	66	68	75	69	65	76	500
08:45	65	68	67	66	70	76	69	66	76	500
09:00	66	69	67	67	68	77	69	66	77	500
09:15	66	69	67	66	68	78	70	66	78	500
09:30	66	69	67	66	68	78	70	66	79	500
09:45	66	68	67	66	69	79	71	67	80	500
10:00	66	69	67	67	69	80	71	67	81	500
10:15	67	69	67	67	69	81	71	67	82	500
10:30	67	70	68	67	69	82	72	67	83	500
10:45	67	70	68	67	69	82	72	68	84	500
11:00	67	70	68	67	70	83	73	68	85	500
11:15	67	71	68	68	70	84	73	68	86	500
11:30	67	71	68	68	70	85	73	68	87	500

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Date: 01/20/23

TIME (Min:Sec)	T/C 50	T/C 51	T/C 52	T/C 53	T/C 54	T/C 55	T/C 56	T/C 57	T/C 58	T/C 59
11:45	67	71	68	68	70	86	74	69	89	500
12:00	68	72	68	68	72	87	74	69	90	500
12:15	68	72	69	68	71	88	75	69	91	500
12:30	68	72	69	68	70	88	75	70	92	500
12:45	68	72	69	68	71	89	75	70	93	500
13:00	68	72	69	69	72	90	76	70	94	500
13:15	69	73	69	68	71	91	76	71	95	500
13:30	69	73	69	69	72	92	77	71	96	500
13:45	69	73	69	69	74	93	77	72	97	500
14:00	69	74	69	69	71	94	78	73	99	500
14:15	69	73	69	69	71	95	78	73	100	500
14:30	70	74	69	69	72	96	78	74	101	500
14:45	70	74	69	69	72	97	79	75	102	500
15:00	70	74	69	69	72	99	79	76	103	500
15:15	70	74	70	69	72	100	80	77	104	500
15:30	70	74	70	69	71	101	80	78	105	500
15:45	70	75	70	70	72	102	81	79	106	500
16:00	71	75	70	70	71	103	81	80	107	500
16:15	71	75	70	70	72	104	81	80	108	500
16:30	71	75	70	70	72	105	82	81	109	500
16:45	71	76	70	70	73	107	82	82	110	500
17:00	72	76	71	70	74	108	83	83	111	500
17:15	72	75	71	71	76	109	83	84	112	500
17:30	72	76	72	71	74	111	83	85	113	500
17:45	72	76	72	72	74	112	84	86	114	500
18:00	73	77	72	72	74	114	84	86	115	500
18:15	73	77	72	72	75	115	85	87	116	500
18:30	73	77	73	72	75	116	85	88	117	500
18:45	73	78	73	72	74	117	85	89	118	500
19:00	74	77	73	73	75	119	86	89	119	500
19:15	74	78	73	73	75	120	86	90	120	500
19:30	74	78	73	73	75	121	86	91	121	500
19:45	74	78	73	73	76	122	87	92	122	500
20:00	75	79	73	73	76	122	87	92	123	500
20:15	75	79	73	74	76	123	88	93	124	500
20:30	75	79	73	74	76	124	88	94	125	500
20:45	75	79	73	74	76	125	88	95	126	500
21:00	75	79	73	73	78	125	89	95	127	500
21:15	75	80	72	73	79	126	89	96	128	500
21:30	75	80	72	72	79	126	89	97	129	500
21:45	75	81	73	73	78	127	90	98	130	500
22:00	75	81	72	73	77	127	90	99	131	500
22:15	75	80	72	73	77	128	91	100	132	500
22:30	76	81	72	73	77	130	91	101	133	500
22:45	76	82	72	73	76	131	91	102	134	500
23:00	76	82	73	73	76	132	92	103	135	500
23:15	76	82	72	73	78	133	93	104	136	500

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TIME (Min:Sec)	T/C 50	T/C 51	T/C 52	T/C 53	T/C 54	T/C 55	T/C 56	T/C 57	T/C 58	T/C 59
23:30	77	82	72	73	77	134	93	105	137	500
23:45	76	82	72	73	79	135	94	105	138	500
24:00	76	81	72	73	79	135	94	106	139	500
24:15	77	82	73	73	77	136	95	107	139	500
24:30	76	83	73	73	77	137	95	108	140	500
24:45	77	82	73	73	79	137	96	109	141	500
25:00	76	83	73	73	80	138	96	110	142	500
25:15	77	82	73	73	80	139	97	111	143	500
25:30	77	84	73	73	77	139	98	111	144	500
25:45	78	84	73	74	78	140	98	112	146	500
26:00	78	84	73	74	79	141	99	113	147	500
26:15	80	83	73	74	80	141	100	114	148	500
26:30	77	84	73	74	80	142	100	115	149	500
26:45	79	83	73	74	82	143	101	115	150	500
27:00	78	85	74	74	81	144	101	116	151	500
27:15	78	86	74	74	79	145	102	117	152	500
27:30	78	86	74	74	79	146	102	118	152	500
27:45	78	86	74	75	81	146	103	119	153	500
28:00	78	86	75	75	81	147	104	120	154	500
28:15	78	86	75	75	81	147	104	121	154	500
28:30	79	87	74	75	81	149	105	122	155	500
28:45	80	88	75	75	79	151	105	123	156	500
29:00	80	88	75	75	81	152	106	124	156	500
29:15	79	88	75	75	82	153	106	126	157	500
29:30	80	89	75	76	82	154	106	127	158	500
29:45	81	90	75	76	81	155	107	128	158	500
30:00	81	89	75	76	82	156	107	129	159	500

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Date: 01/20/23

TIME (Min:Sec)	T/C 60	T/C 61	T/C 62	T/C 63	T/C 64	T/C 65	T/C 66	T/C 67	T/C 68
00:00	65	66	66	64	63	63	60	60	65
00:15	65	66	66	64	63	63	60	60	65
00:30	65	66	66	64	63	63	60	60	65
00:45	65	66	66	64	63	63	60	60	65
01:00	65	66	66	64	63	63	60	60	65
01:15	65	66	66	64	63	63	60	60	66
01:30	65	66	65	64	63	63	60	60	66
01:45	65	66	66	64	63	63	60	60	66
02:00	65	66	66	64	63	63	60	60	66
02:15	66	66	66	64	63	63	60	60	66
02:30	66	66	66	64	63	63	60	60	67
02:45	66	66	66	64	63	63	60	60	67
03:00	66	66	66	64	63	63	60	60	68
03:15	66	67	66	64	63	63	60	60	68
03:30	67	67	66	64	63	63	60	60	69
03:45	67	67	66	64	63	63	60	60	70
04:00	68	68	66	64	63	63	60	60	71
04:15	68	68	66	65	63	64	60	60	71
04:30	69	69	67	65	64	64	61	60	72
04:45	69	69	67	65	64	64	61	60	73
05:00	70	70	67	65	64	64	61	61	74
05:15	71	70	67	65	64	65	61	61	76
05:30	72	71	68	65	64	65	61	61	77
05:45	73	72	68	65	65	65	61	61	78
06:00	74	72	68	65	65	66	61	61	79
06:15	75	73	69	65	65	66	61	61	80
06:30	76	74	69	66	65	67	61	61	82
06:45	77	75	70	66	66	67	62	62	83
07:00	79	76	70	66	66	68	62	62	85
07:15	80	76	71	66	66	69	62	62	86
07:30	81	77	71	66	67	69	62	62	88
07:45	83	78	72	66	67	70	62	62	89
08:00	85	80	72	67	67	70	62	62	91
08:15	86	81	73	67	67	71	62	62	92
08:30	88	82	73	67	68	72	63	63	94
08:45	90	83	74	67	68	72	63	63	96
09:00	91	84	75	68	69	73	63	63	98
09:15	93	85	76	68	69	74	63	63	99
09:30	95	86	76	68	69	74	63	63	101
09:45	97	88	77	68	70	75	63	64	103
10:00	99	89	78	69	70	76	64	64	105
10:15	102	90	79	69	70	77	64	64	107
10:30	104	92	80	69	71	77	64	64	108
10:45	106	93	80	69	71	78	64	64	110
11:00	108	94	81	70	71	79	64	64	112
11:15	110	96	82	70	72	80	64	65	114
11:30	113	97	83	70	72	80	65	65	116

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TIME (Min:Sec)	T/C 60	T/C 61	T/C 62	T/C 63	T/C 64	T/C 65	T/C 66	T/C 67	T/C 68
11:45	115	99	84	70	73	81	65	65	117
12:00	118	100	85	71	73	82	65	65	119
12:15	120	101	86	71	73	83	65	66	121
12:30	122	103	87	71	74	84	65	66	123
12:45	125	104	87	71	74	85	65	66	125
13:00	127	106	88	72	74	85	66	66	127
13:15	130	107	89	72	75	86	66	66	129
13:30	133	109	90	72	75	87	66	67	131
13:45	135	110	91	73	76	88	66	67	132
14:00	138	111	92	73	76	89	66	67	134
14:15	140	113	93	73	76	89	67	67	136
14:30	143	114	94	74	77	90	67	68	138
14:45	146	116	95	74	77	91	67	68	140
15:00	149	117	96	74	77	92	67	68	142
15:15	152	119	97	74	78	93	67	68	144
15:30	154	120	98	75	78	93	68	69	145
15:45	157	122	98	75	79	94	68	69	147
16:00	160	123	99	75	79	95	68	69	149
16:15	163	125	100	76	79	96	68	70	151
16:30	166	126	101	76	80	97	68	70	153
16:45	169	128	102	76	80	97	69	70	154
17:00	172	129	103	76	80	98	69	70	156
17:15	175	131	104	77	81	99	69	71	158
17:30	178	132	105	77	81	100	69	71	159
17:45	182	134	106	77	82	101	69	71	161
18:00	185	135	107	78	82	102	70	72	162
18:15	188	137	107	78	82	102	70	72	164
18:30	191	138	108	78	83	103	70	72	166
18:45	194	140	109	78	83	104	70	72	168
19:00	197	141	110	79	83	105	70	73	169
19:15	201	143	111	79	84	106	71	73	171
19:30	204	144	112	79	84	106	71	73	172
19:45	207	146	113	80	84	107	71	74	174
20:00	210	147	114	80	85	108	71	74	176
20:15	214	149	114	80	85	109	72	74	177
20:30	217	150	115	81	86	109	72	75	179
20:45	220	152	116	81	86	110	72	75	180
21:00	224	153	117	81	86	111	72	75	182
21:15	227	155	118	82	87	112	73	76	183
21:30	230	156	119	82	87	112	73	76	185
21:45	234	158	120	83	87	113	73	77	186
22:00	237	159	121	84	88	114	74	77	188
22:15	241	161	122	84	88	115	74	77	190
22:30	245	162	123	85	89	117	74	78	191
22:45	248	164	124	86	89	118	75	78	193
23:00	252	166	125	87	90	119	75	79	195
23:15	256	167	125	88	90	120	76	80	196

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TIME (Min:Sec)	T/C 60	T/C 61	T/C 62	T/C 63	T/C 64	T/C 65	T/C 66	T/C 67	T/C 68
23:30	260	169	126	89	91	121	77	81	198
23:45	263	170	127	90	91	122	77	81	199
24:00	267	172	128	90	92	123	78	82	201
24:15	271	173	129	91	92	124	78	83	202
24:30	274	174	130	92	93	125	78	83	204
24:45	278	176	130	93	93	126	79	84	205
25:00	281	177	131	94	94	127	79	84	207
25:15	285	179	132	94	94	128	81	85	208
25:30	289	180	132	95	95	129	82	85	210
25:45	293	181	133	96	95	130	84	86	211
26:00	297	182	134	97	95	131	85	87	213
26:15	301	184	134	97	96	132	86	87	215
26:30	304	185	135	98	96	133	86	88	216
26:45	308	186	136	99	97	134	87	88	217
27:00	312	188	136	100	97	134	88	89	219
27:15	316	189	137	100	98	135	89	91	220
27:30	319	190	137	101	98	136	89	93	221
27:45	323	192	138	102	99	136	90	95	222
28:00	326	193	139	102	99	137	91	96	223
28:15	330	194	139	103	99	138	91	97	224
28:30	334	196	140	104	100	138	92	98	226
28:45	337	197	141	105	100	139	92	99	227
29:00	341	199	141	105	101	140	93	100	229
29:15	344	200	142	106	101	140	93	101	230
29:30	348	202	143	107	102	141	94	101	231
29:45	351	203	144	107	102	142	94	102	232
30:00	355	204	144	108	102	143	95	102	233

TEST REPORT FOR CARTER ARCHITECTURAL PANELS INC.

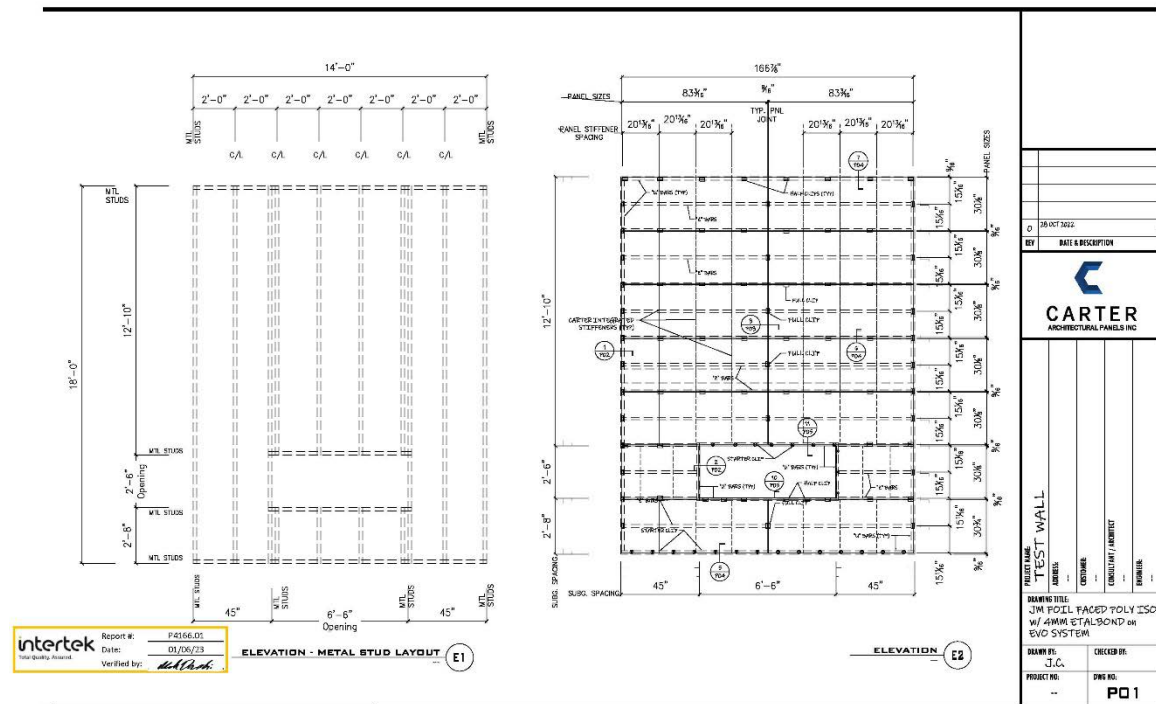
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SECTION 14

DRAWINGS

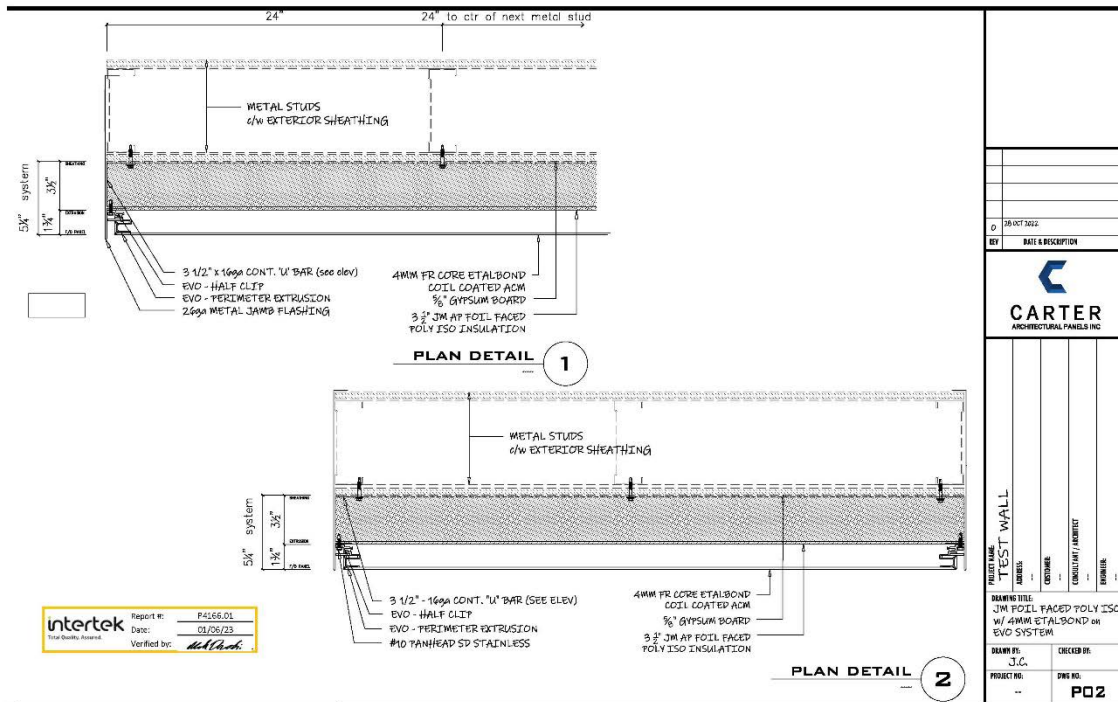
The test specimen drawings which follow have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.



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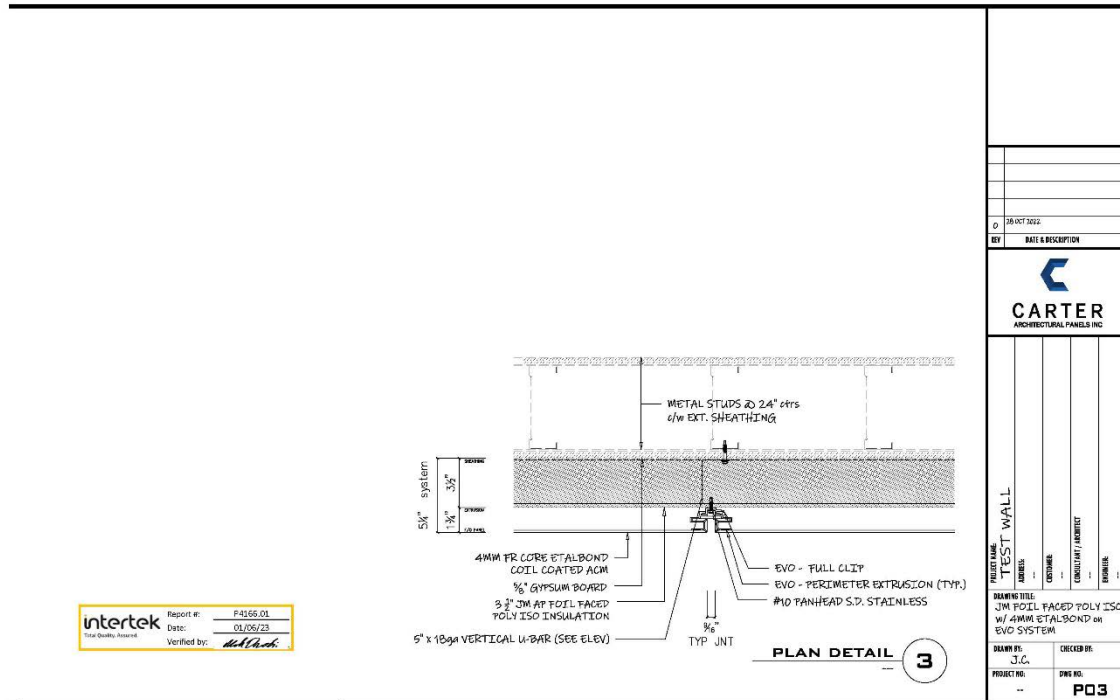
Date: 01/20/23



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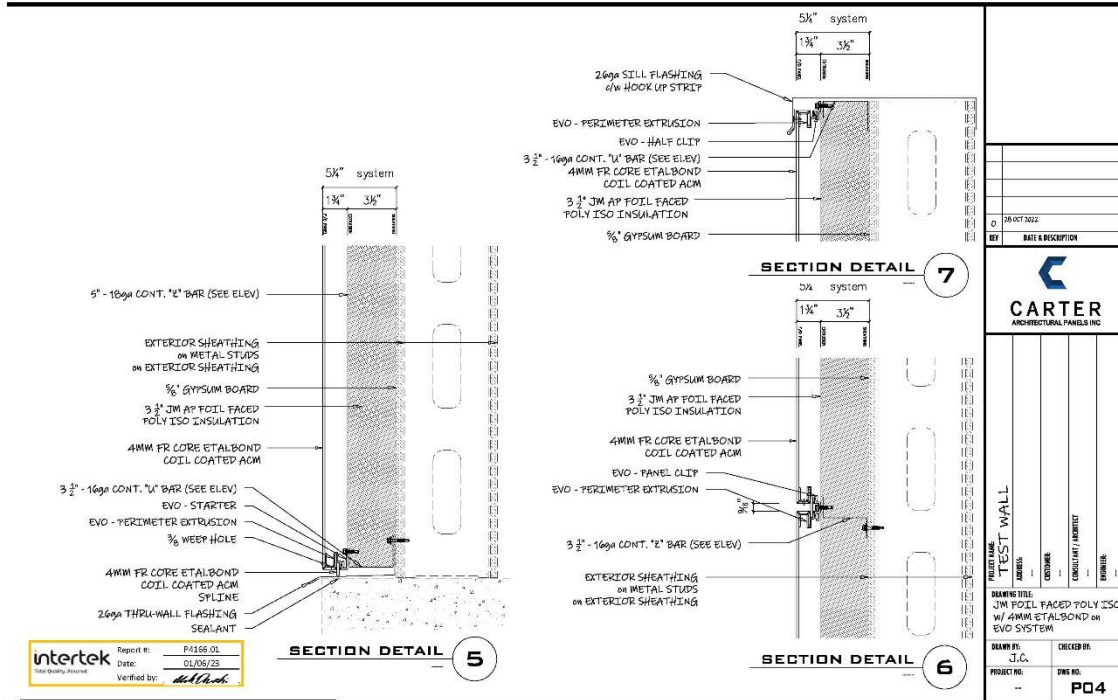
Date: 01/20/23



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Report No.: P4166.02-121-24-R0

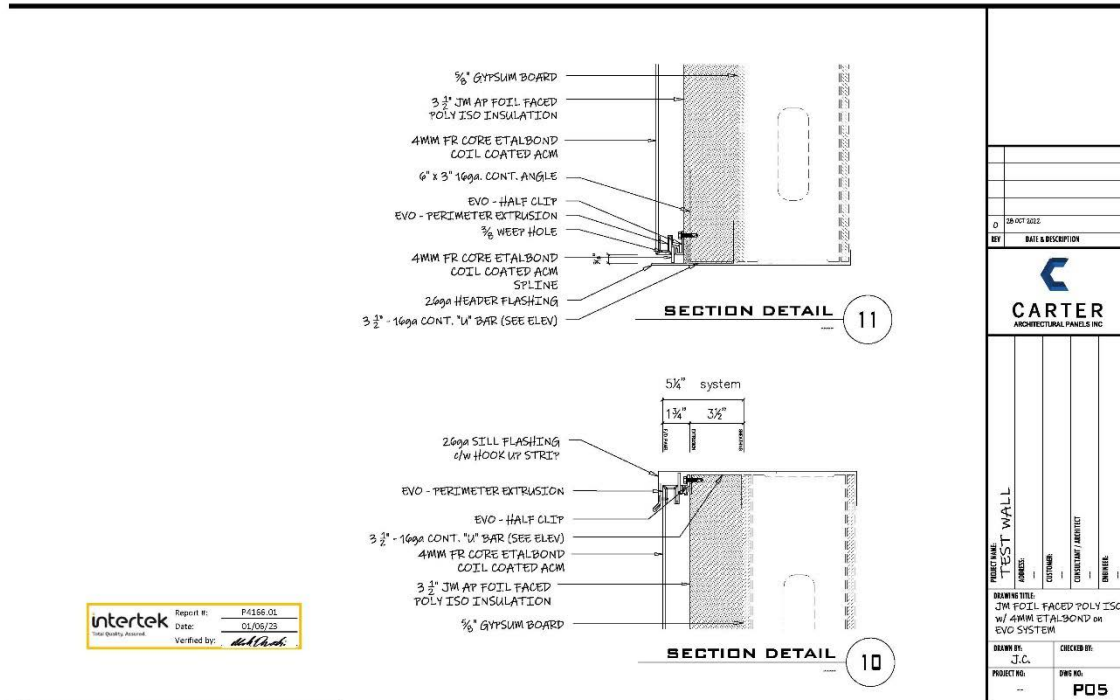
Date: 01/20/23



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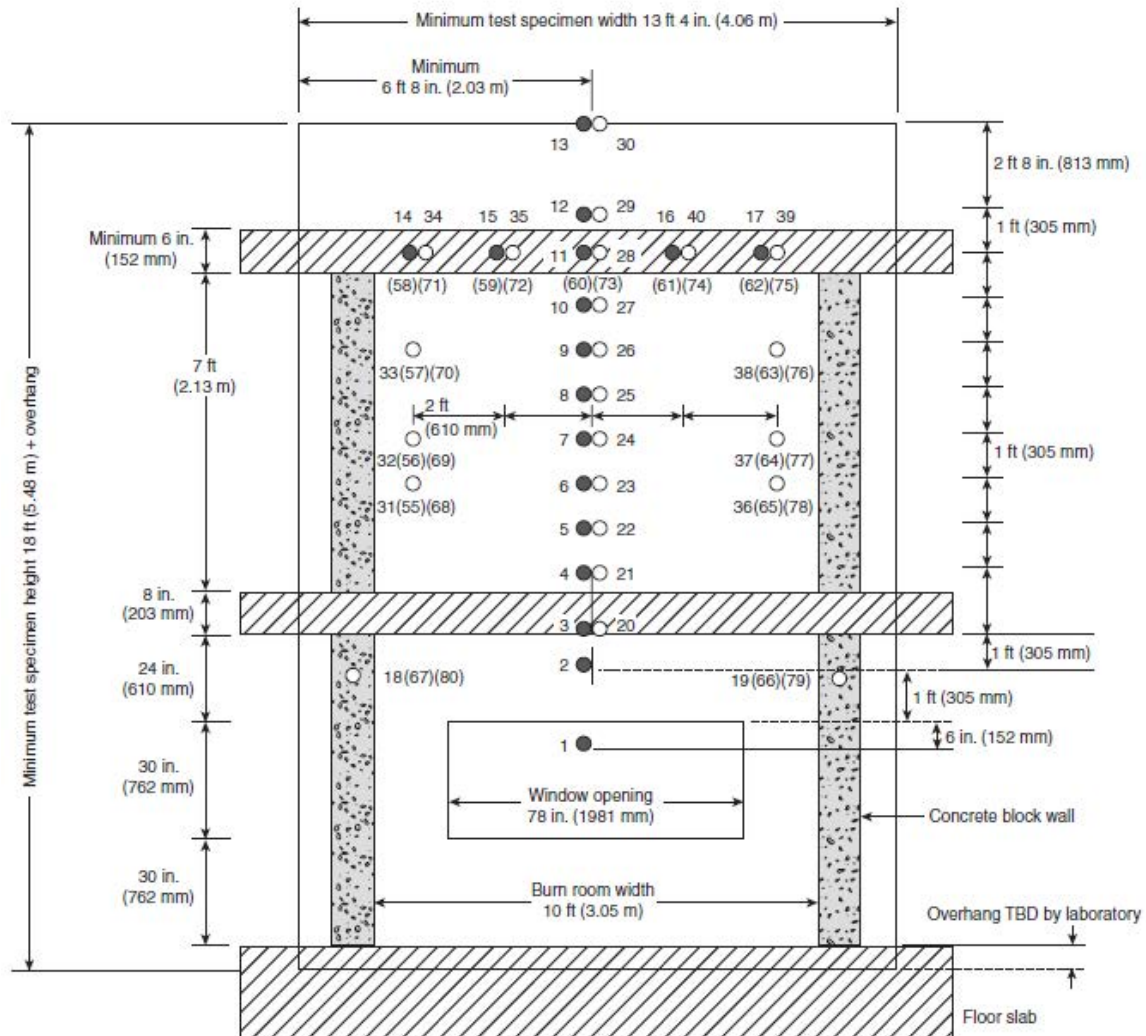


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Standard TC Locations



● Thermocouples — 1 in. (25 mm) from exterior wall surface

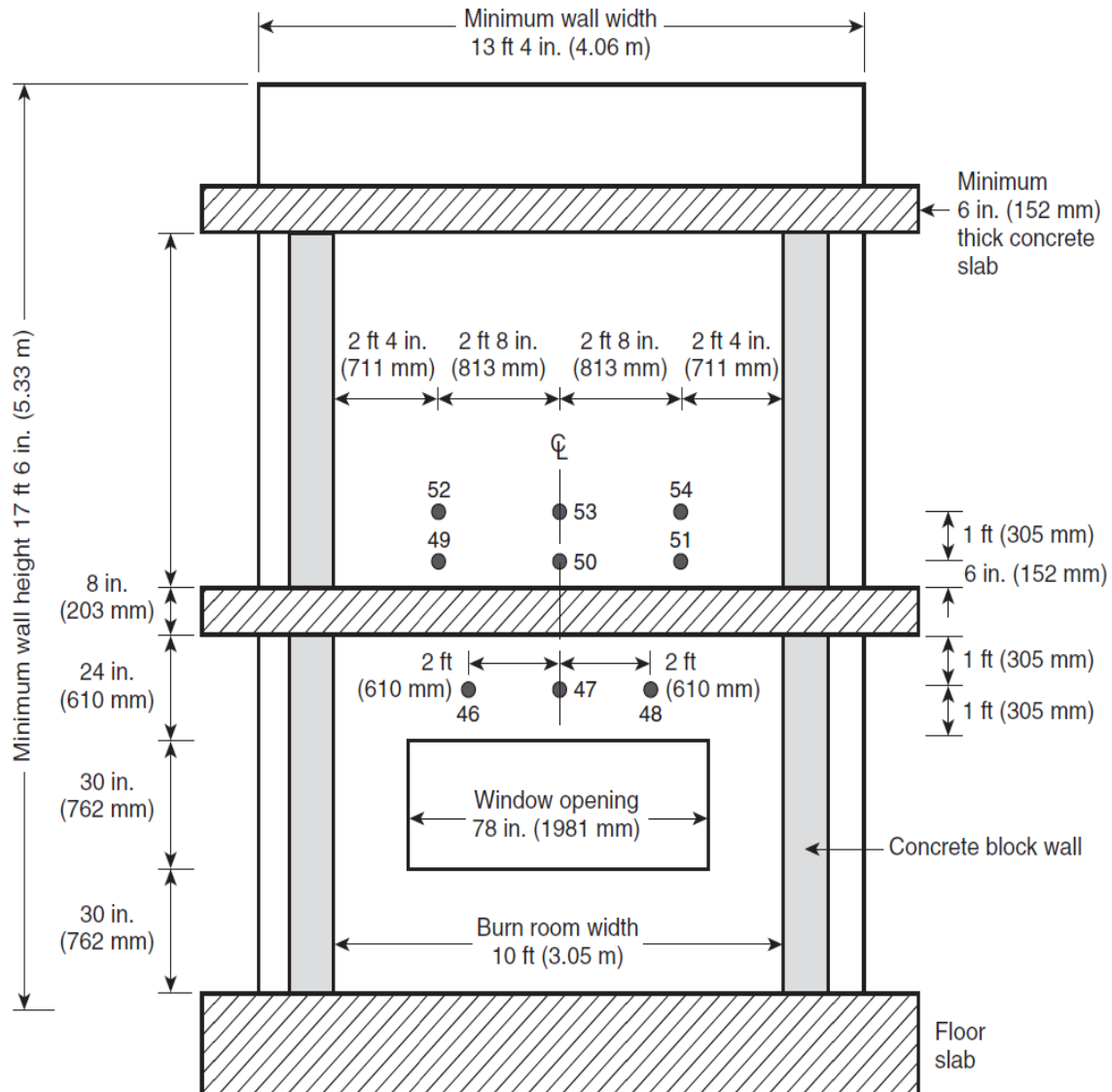
○ Thermocouples — In the wall cavity air space or the insulation, or both, as shown in Figure 6.1(b) Details A through I.

() 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.

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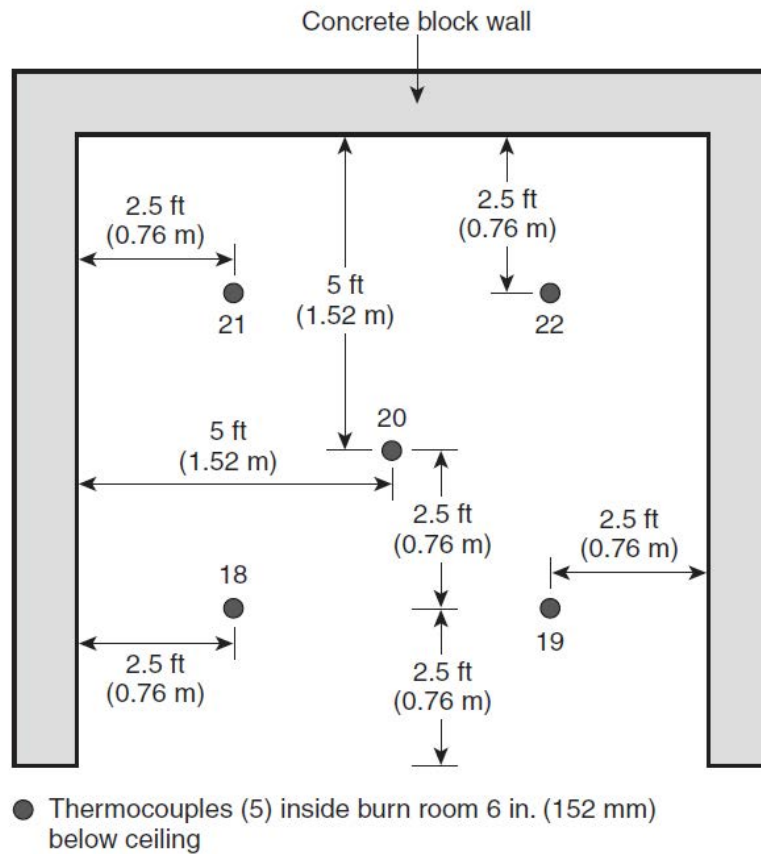


● Thermocouples — 1 in. (25 mm) from interior wall surface

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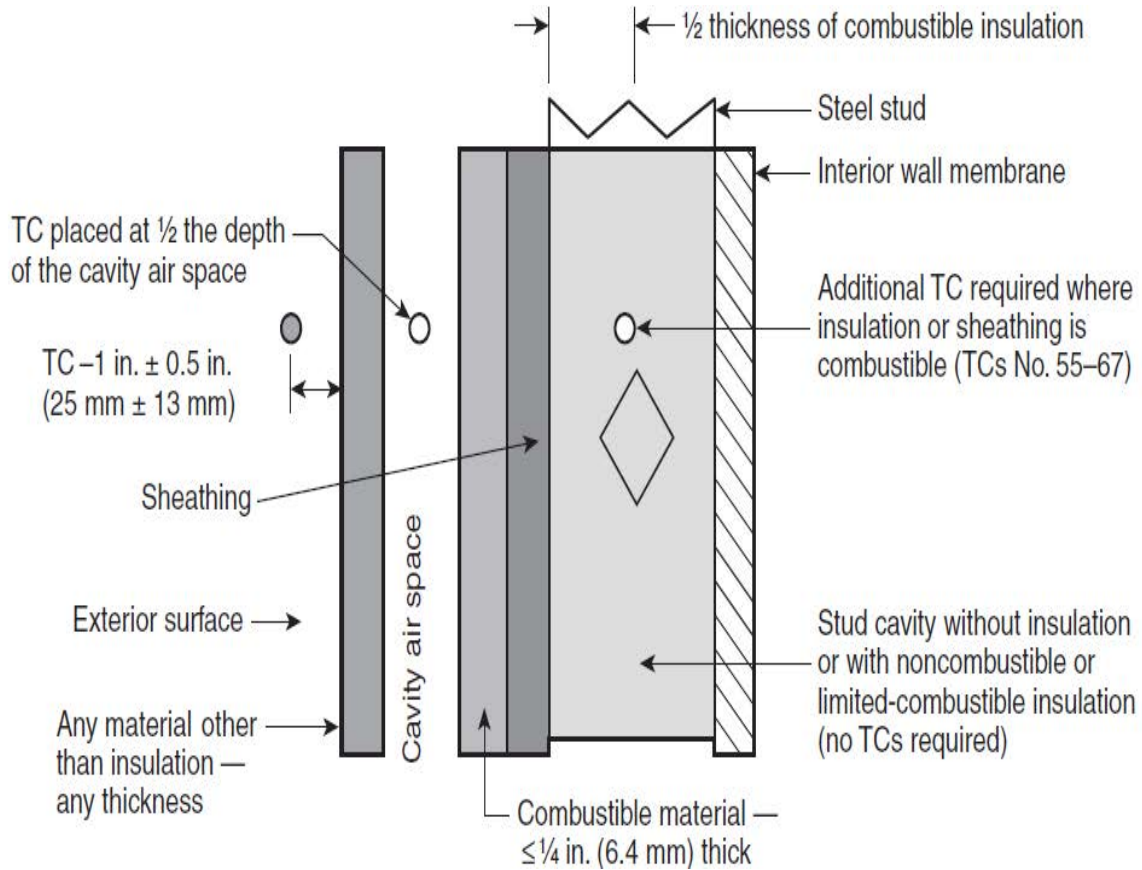
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SECTION 15

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	01/20/23	N/A	Original Report Issue – Reissue of Report P4166.01-121-24 in the name of Carter Architectural Panels Inc.