

WORLD MECH' TECH' CO., LTD. FIRE TEST REPORT

SCOPE OF WORK

NFPA 285 TESTING ON EXTERIOR NON-LOAD-BEARING WALL ASSEMBLY CONTAINING
4MM ALCOTOP FR ACP

REPORT NUMBER

L0851.02-121-24-R0

TEST DATE

07/16/20

ISSUE DATE

08/25/20

RECORD RETENTION END DATE

07/16/24

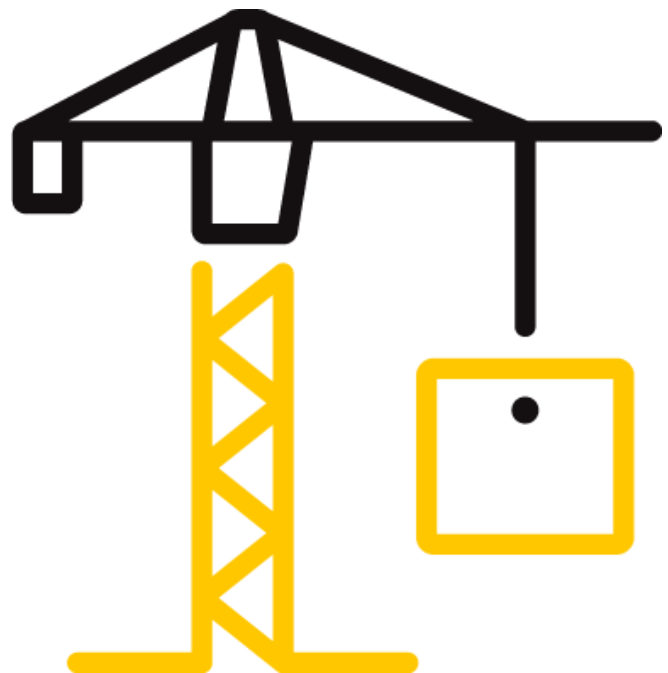
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TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

REPORT ISSUED TO

WORLD MECH' TECH' CO., LTD.

8-105, Jangjae-ro 520 beon-gil
Saengnim-myeon, Gimhaesi
Gyeongsangnam-do, Korea

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 4mm Alcotop FR ACP. This report is an authorized reissue of Intertek B&C report number L0851.01-121-24. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania. 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: Interior Gypsum, DuPont™ Thermax™, DuPont™ Liquid Armor™ QS Flashing and Sealant, 4mm Alcotop FR ACP

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:	Nathan Brillhart	REVIEWED BY:	Ethan Grove
TITLE:	Technician – Fire Testing	TITLE:	Manager – Fire Testing
SIGNATURE:		SIGNATURE:	
DATE:	08/25/20	DATE:	08/25/20

NDB: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 Non-Load-Bearing Wall Assemblies Containing Combustible Components*

SECTION 4

MATERIAL SOURCE/INSTALLATION

The 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
Nathan Brillhart	Intertek B&C
Mark Dluzeski	Intertek B&C
Logan Chronister	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 3-1/2 in. off the exterior face of the wall assembly. Testing was performed on 07/16/2020 in accordance with NFPA 285 test method. Ambient conditions were 78°F and 71% 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 09:09 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 February 19, 2020 with natural gas as the fuel source and the window burner placed 3-1/2 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	35.6	0.0	1.2	0.8	0.6
5:00-10:00	35.6	4.3	2.2	1.8	1.3
10:00-15:00	43.8	5.6	2.4	2.5	1.7
15:00-20:00	43.6	8.1	2.4	3.0	2.2
20:00-25:00	43.6	11.0	2.6	3.4	2.4
25:00-30:00	46.5	15.2	3.4	3.9	2.9

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	1117	1098	695	771	723	679	569	517
5:00-10:00	1241	1231	859	971	1007	990	874	803
10:00-15:00	1430	1418	986	1101	1148	1126	1004	907
15:00-20:00	1475	1457	1050	1151	1210	1211	1107	1016
20:00-25:00	1503	1485	1081	1180	1252	1266	1171	1079
25:00-30:00	1585	1557	1139	1239	1328	1360	1263	1164

*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. Johns Manville MinWool® Safing 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. The safing length dimensions were no less than the apparatus floor slab thickness of 8 in.

Exterior Sheathing

1/2 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.

Water-resistive Barrier

DuPont Liquid Armor QS Flashing and Sealant was applied over the Thermax joints with a roller. The liquid flashing was applied with a minimum of 1 in. covering each side of the joint at a thickness of 50 wet mils.

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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 cladding, 24-gauge steel flashing was installed around the perimeter of the window opening. The profile for the window header flashing was 2 in. x 9-3/8 in. L-trim with a 1 in. drip edge at 135-degrees. The profile for the jambs and sill was 2 in. x 9-3/8 in. L-trim. The 2 in. leg was installed against the interior of the core wall framing before the interior gypsum was installed. The flashing was fastened 6 in. on-center with #14 x 1 in. HWH self-drilling screws.

Exterior Insulation

3 in. thick DuPont Thermax Sheathing with shiplap edge treatment was installed over the exterior sheathing. The 4 ft. x 8 ft. sheets were oriented horizontally and fastened 24 in. on-center to the core wall framing with #10x4 in. Grip Deck® self-drilling screws and 2 in. diameter Rodenhouse Thermal-Grip® ci Prong Washers. Vertical joints were offset 24 in. between rows.

Exterior Cladding

Arrowhead AH-205 Sill profile aluminium extrusion was installed horizontally at the base of the core wall and above the window opening header. AH-202 Base extrusion was installed at the horizontal panel joints. AH-203 Head extrusion was installed at the window opening sill as well as at the top of the assembly. All extrusions were continuous and fastened 24 in. on-center with #10-4 in. Grip Deck® self-drilling screws. The panels consisted of 4mm Alcotop FR ACP and AH-101 frame extrusions attached with 5/32 in. aluminium CSK rivets 16 in. on-center. Individual panel dimensions can be found in Section 14. When installed there was a 1-3/4 in. air gap between the exterior surface of the Thermax and the unexposed side of the panel. Panels were attached to the aluminium extrusions with Arrowhead T-clips approximately every 16 in. The 1/2 in. wide horizontal and vertical panel joints were covered with a -1-3/4 in. wide x 4mm thick splines. The first horizontal joint was located 28-1/2 in. above the top window opening. Subsequent horizontal joints were located 77in. and 125-1/2 in. above the top of the window opening. The horizontal joints were continuous and extended the full width of the assembly. A vertical panel joint was located 11-3/4 in. to the right of the assembly centerline. The vertical joint was continuous and extended the full height of the test assembly.

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SECTION 8

TEST OBSERVATIONS

TIME (Min:Sec)	OBSERVATIONS
00:00	Ignition of room burner.
01:10	Window header flashing begins to warp.
01:31	Interior gypsum paper ignites.
01:50	White smoke begins to emit from the window header location.
02:29	First panel above the window opening on the left side of the assembly begins to warp.
03:54	First panel above the opening on the right side of the assembly and the second panel above the opening on the left side begin to warp.
05:00	Ignition of window opening burner.
06:10	Second panel above the opening on the right side of the assembly and the third panel on the left side of the assembly begin to warp.
09:38	Paint discoloration begins on the first panel above the opening on the left side of the assembly.
10:16	Paint discoloration begins on the first panel above the opening on the right side of the assembly.
11:06	Paint discoloration begins on the second panel above the opening on the left side of the assembly.
12:26	Flames emit from the exterior surface at the window header.
22:00	Flames emit from the surface of the exterior face at the panel vertical joint 6 in. above the top of the window opening.
23:00	Smoke emits from the horizontal joints on the right side of the test assembly.
26:00	Material drips from the window header location.
26:38	Flames emitting from the surface of the exterior face of the assembly reach a height of 1 ft. above the top of the window opening.
29:50	Flames emitting from the surface of the exterior face of the assembly reach a height of 2 ft. above the top of the window opening.
30:00	Burners Extinguished; Test Concluded.

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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

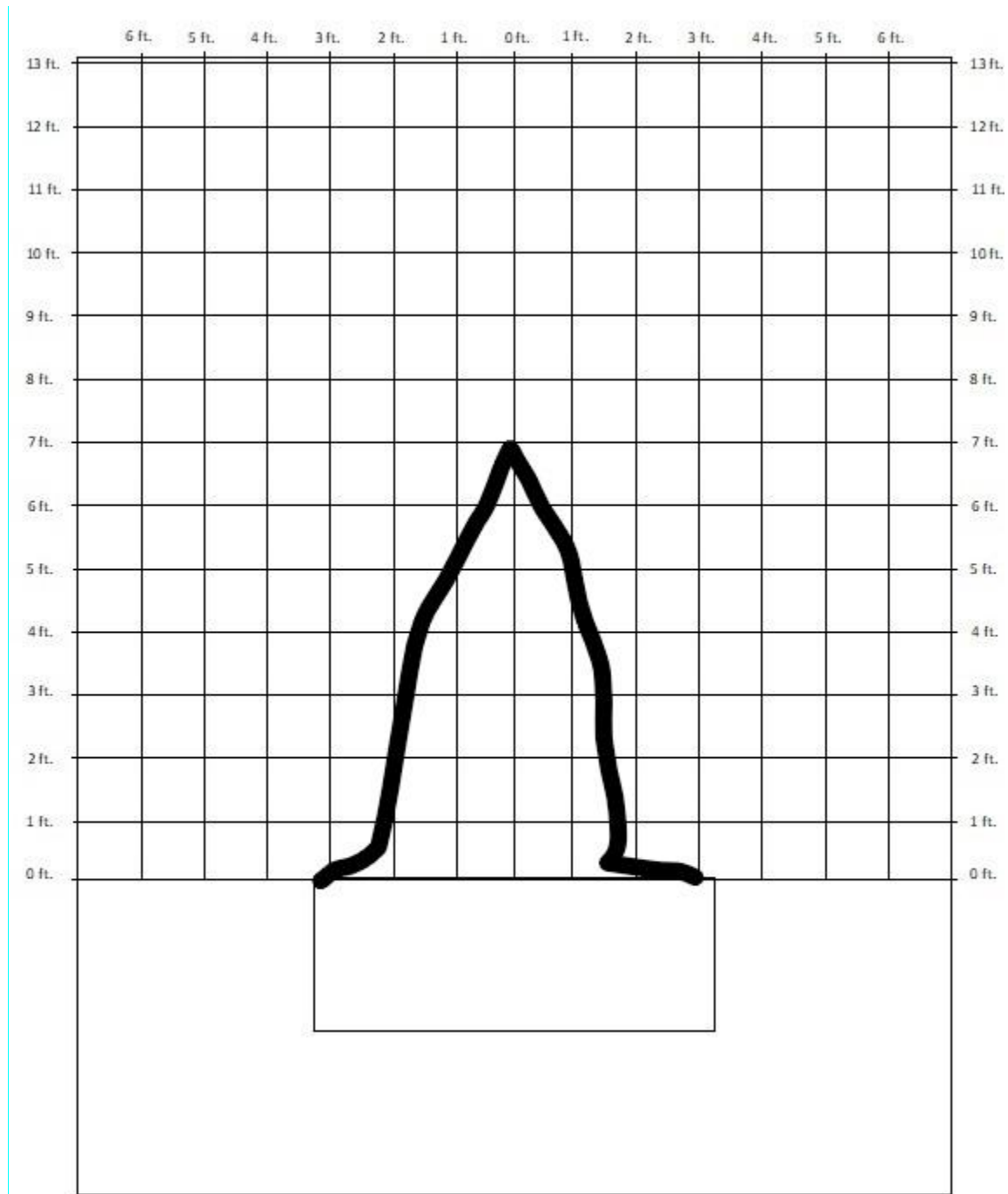
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SECTION 10

SKETCH OF EXTERIOR CLADDING BURN PATTERN



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SECTION 11

PHOTOGRAPHS

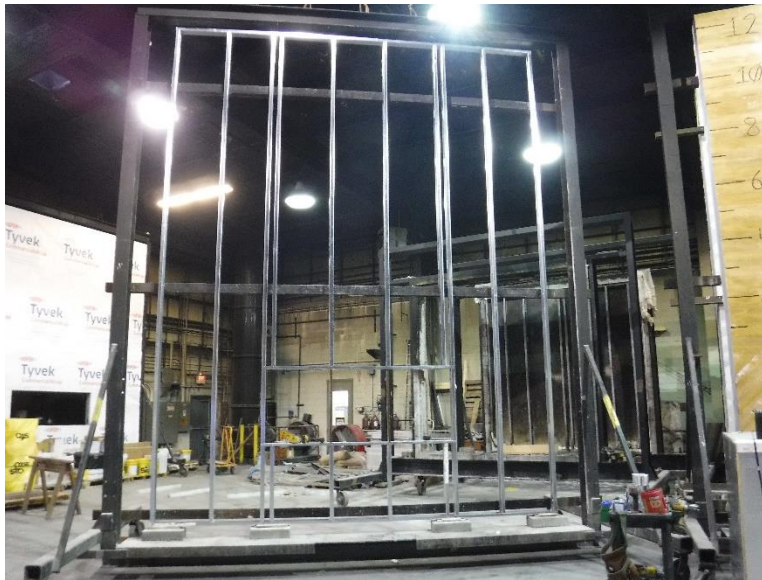


Photo No. 1
Core Wall Framing Completion



Photo No. 2
Exterior Sheathing and Siding Completed

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PHOTOGRAPHS



Photo No. 3
DuPont™ Thermax™ Installed



Photo No. 4
Typical Panel Attachment to Aluminum Extrusions

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PHOTOGRAPHS



Photo No. 5
Panel Installation Above the Window Opening



Photo No. 6
Panel Installation

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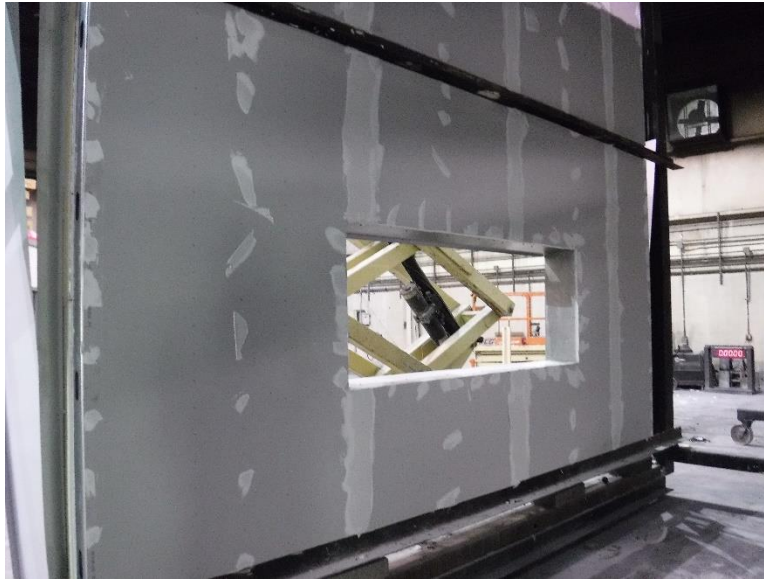


Photo No. 7
First Story Interior Gypsum (Pre-test)



Photo No. 8
Second Story Interior Gypsum (Pre-test)

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PHOTOGRAPHS



Photo No. 9
Completed Assembly (Pre-test)



Photo No. 10
Ignition of Room Burner

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PHOTOGRAPHS

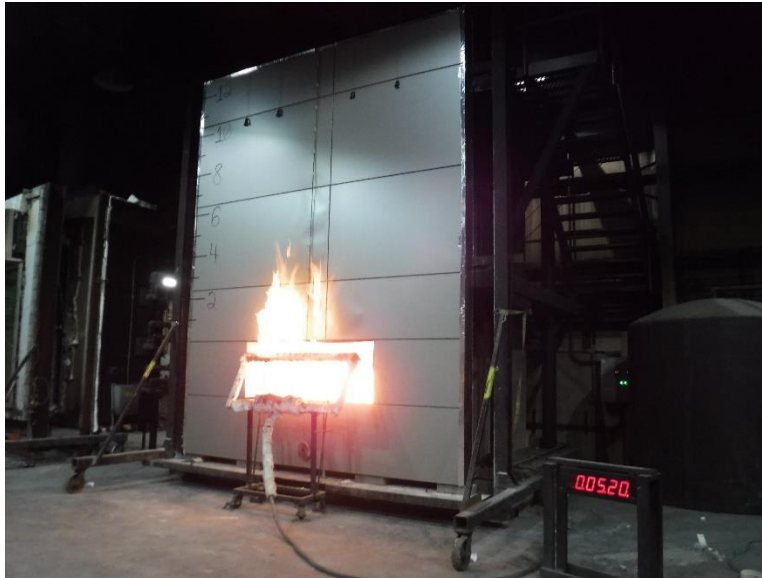


Photo No. 11
Ignition of Window Burner



Photo No. 12
Assembly During Testing

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PHOTOGRAPHS



Photo No. 13
Burners Extinguished (Test Concluded)



Photo No. 14
Complete Assembly (Post-test)

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PHOTOGRAPHS



Photo No. 15
First Story Interior Gypsum (Post-test)



Photo No. 16
Second Story Interior Gypsum (Post-test)

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PHOTOGRAPHS



Photo No. 17
Exterior Cladding Removed

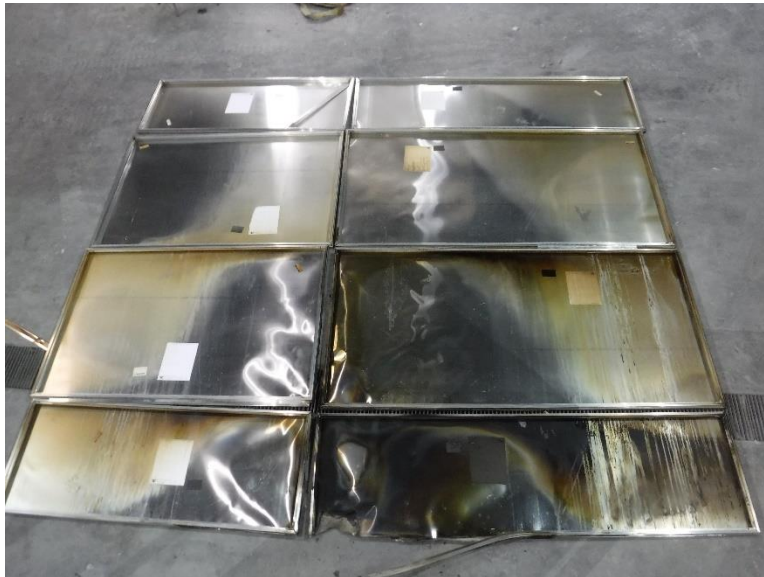


Photo No. 18
Unexposed Side of Exterior Cladding

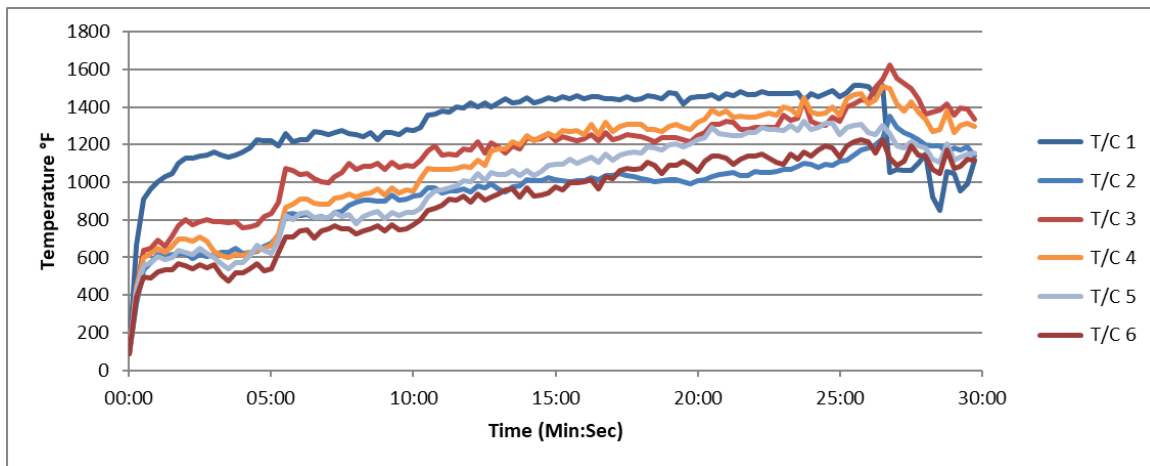
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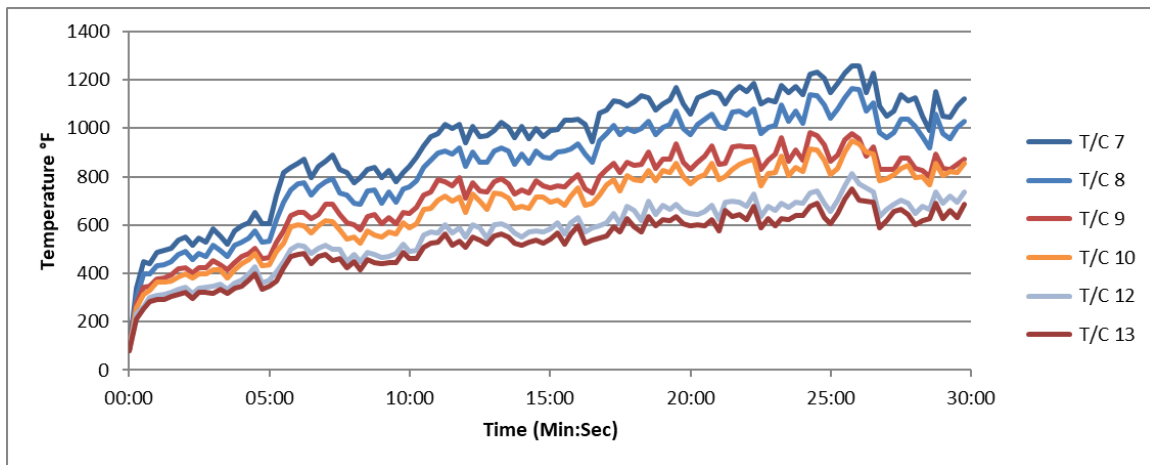
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SECTION 12

GRAPHS



Graph No. 1
Assembly Centerline (Assembly Exterior)



Graph No. 2
Assembly Centerline (Assembly Exterior)

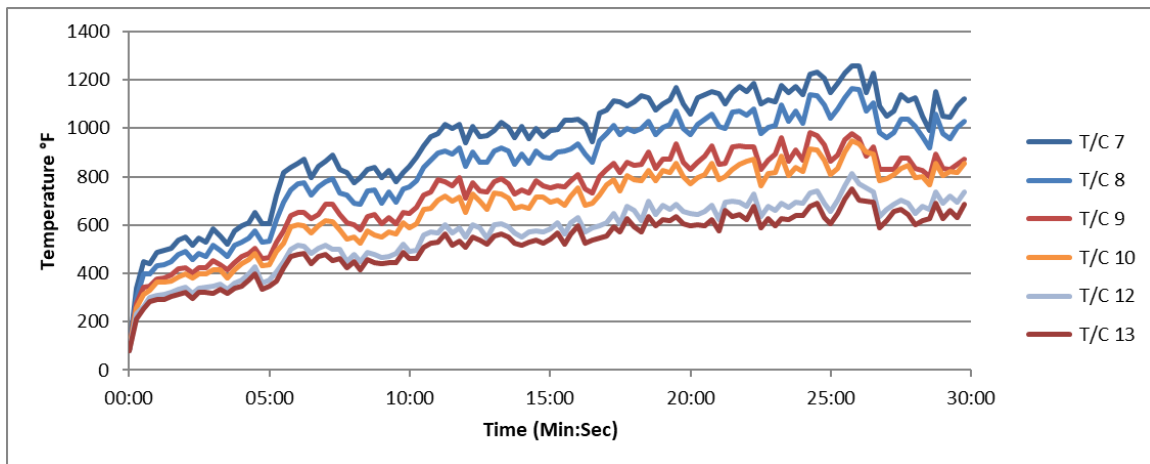
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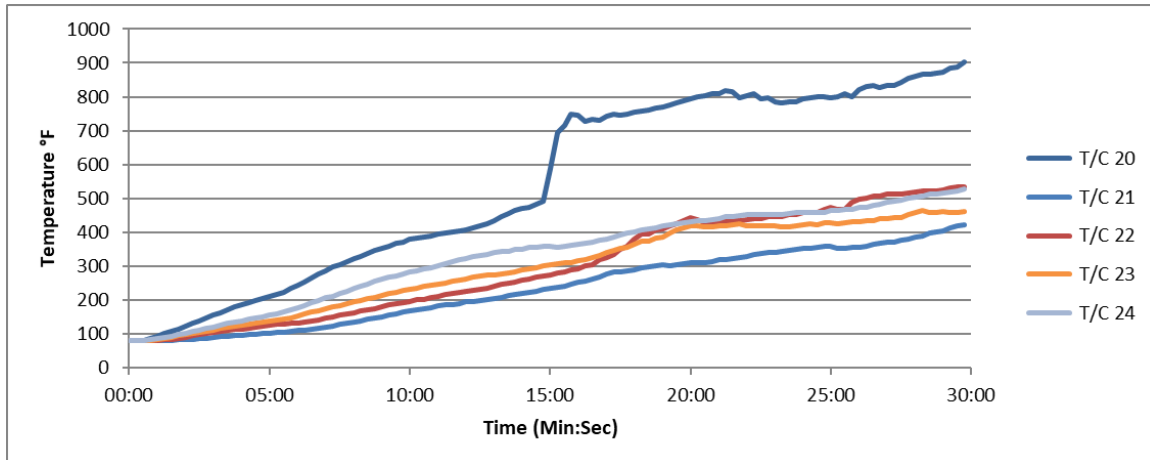
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SECTION 12 (CONTINUED)

GRAPHS



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



Graph No. 4
Assembly Centerline (Air Cavity Space)

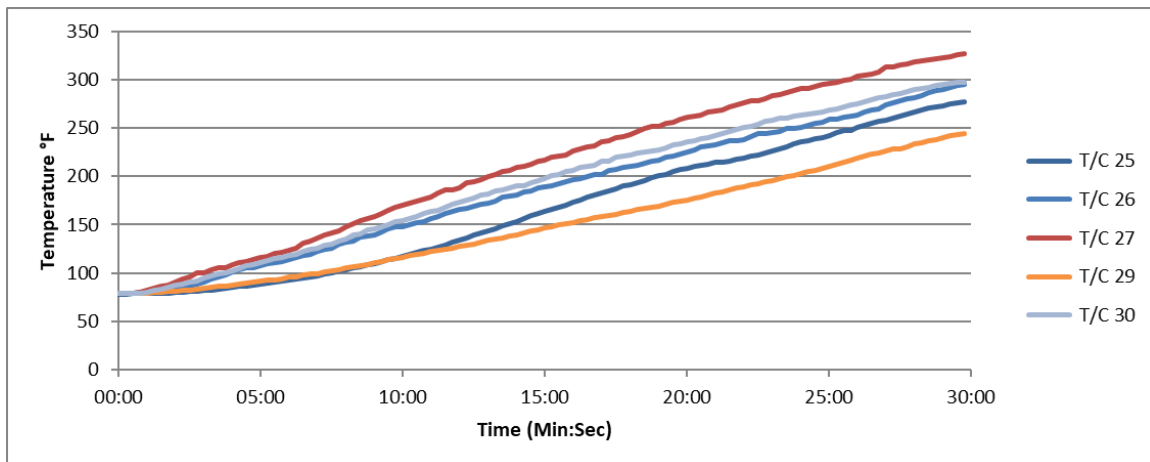
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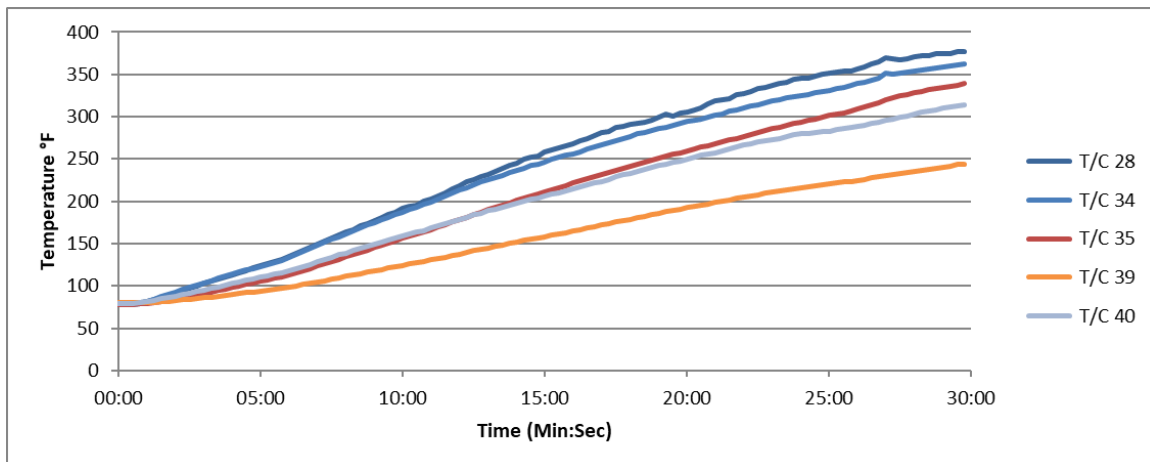
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GRAPHS



Graph No. 5
Assembly Centerline (Air Cavity Space)



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

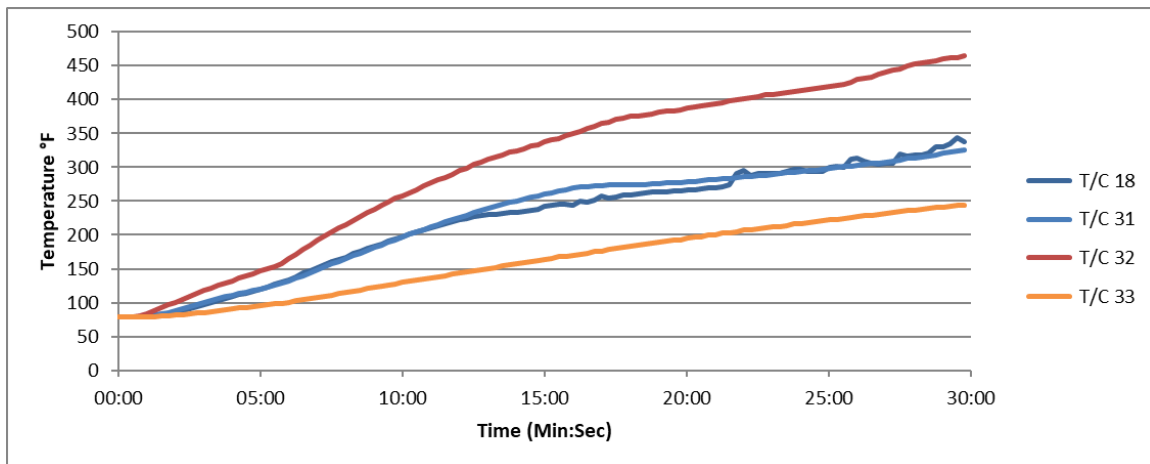
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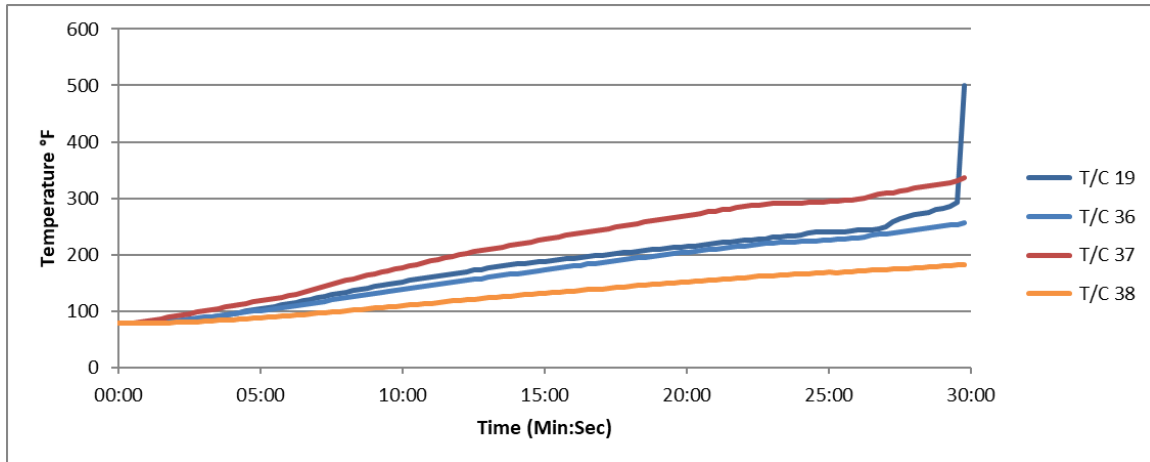
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GRAPHS



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



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

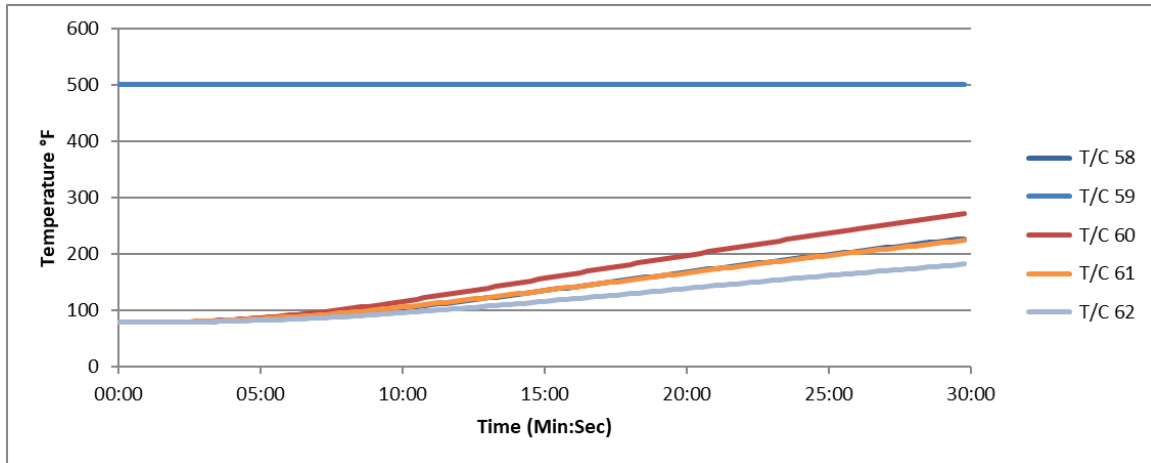
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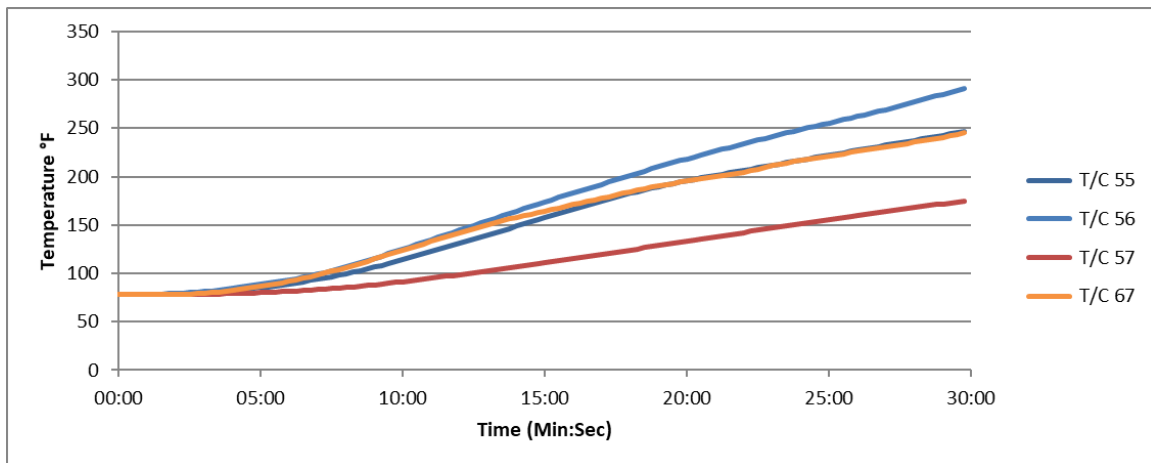
GRAPHS



Graph No. 9

10 ft. above the Window Opening Header (Combustible Component)

*TC 59 experienced a malfunction during the test. The 500°F continuous measurement is not an accurate temperature reading and represents an open TC circuit on the Data Acquisition system.



Graph No. 10

Left of Assembly Centerline (Combustible Component)

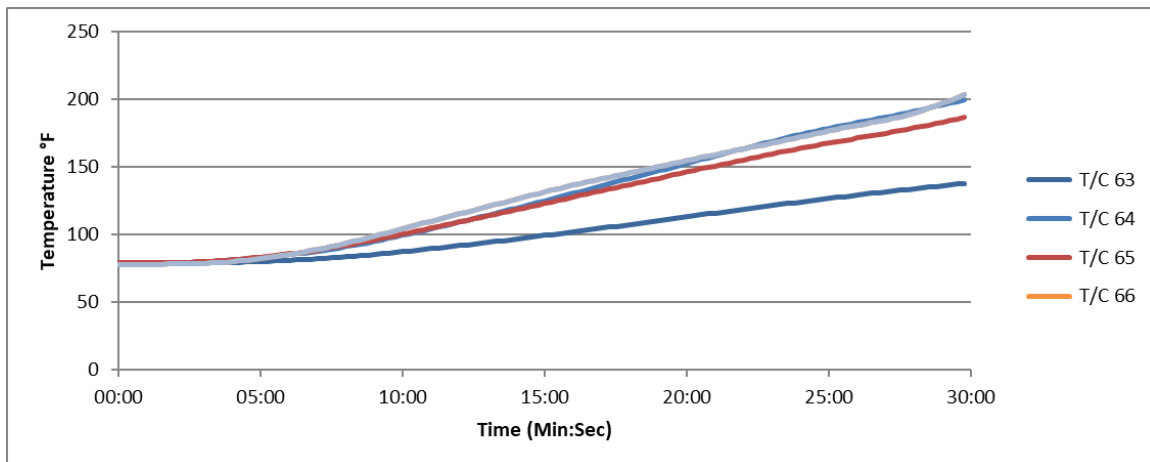
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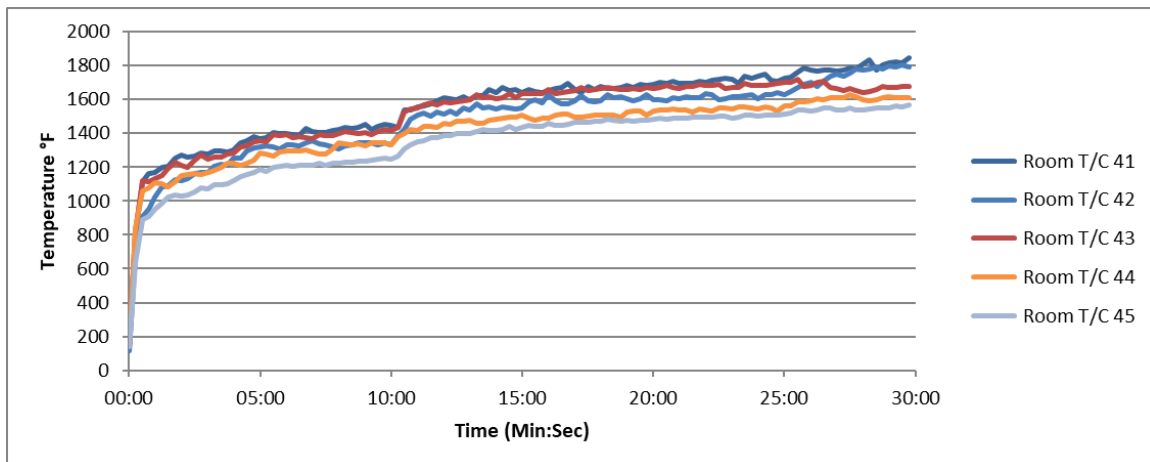
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GRAPHS



Graph No. 11

Right of Assembly Centerline (Combustible Component)



Graph No. 12

First-story Test Room Ceiling

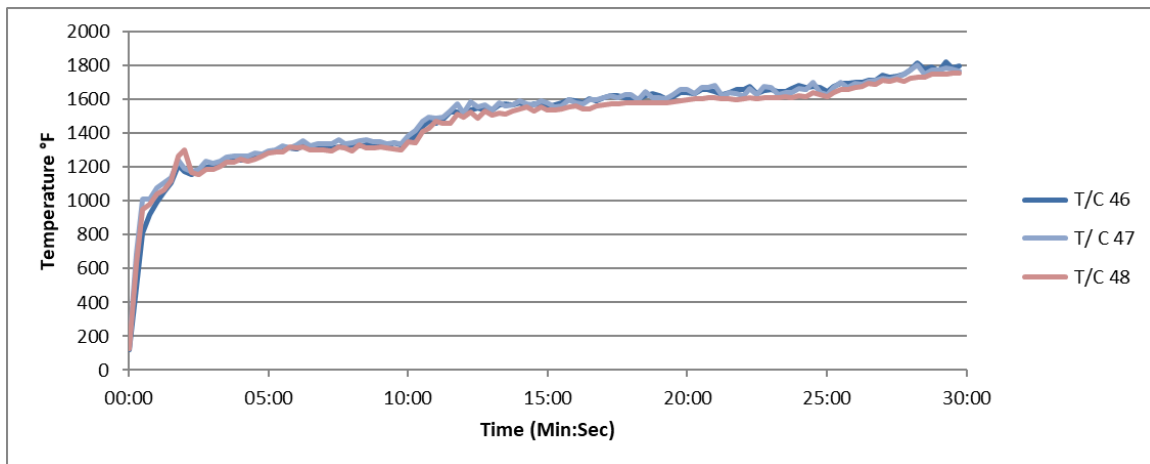
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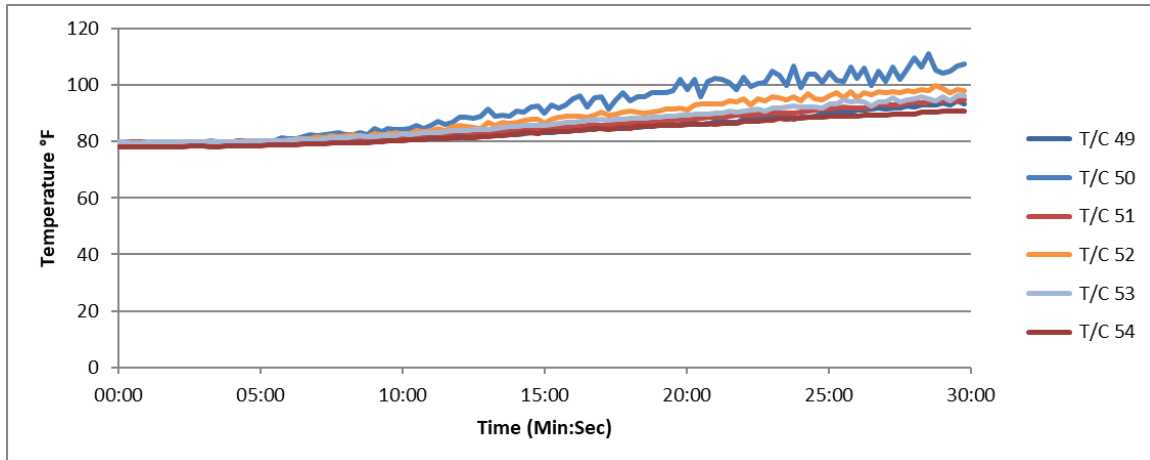
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GRAPHS



Graph No. 13
First-story Interior Wall Surface



Graph No. 14
Second-story Interior Wall Surface

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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	0.0	0.0	92	92	92	91	88	86	86	85	83
00:15	31.9	0.0	665	357	439	443	425	388	340	295	275
00:30	40.6	0.0	910	534	635	601	558	496	451	397	342
00:45	36.2	0.0	963	572	649	620	573	491	439	397	347
01:00	36.4	0.0	1005	614	693	649	606	526	486	433	378
01:15	36.4	0.0	1031	604	660	628	590	535	495	437	381
01:30	36.4	0.0	1047	619	714	657	602	535	502	448	392
01:45	36.4	0.0	1103	622	770	699	639	565	538	477	419
02:00	36.4	0.0	1126	622	799	699	630	558	549	491	422
02:15	36.5	0.0	1125	595	773	687	615	538	518	458	400
02:30	36.4	0.0	1137	613	793	707	649	561	544	481	421
02:45	36.5	0.0	1147	606	799	685	623	548	528	471	425
03:00	36.5	0.0	1158	614	789	633	599	560	582	514	451
03:15	36.4	0.0	1147	628	791	613	568	510	555	494	437
03:30	36.4	0.0	1131	629	784	601	542	477	523	469	413
03:45	36.4	0.0	1145	647	791	618	572	517	575	515	446
04:00	36.4	0.0	1159	620	755	613	573	517	595	531	471
04:15	36.4	0.0	1185	629	765	627	611	541	611	547	482
04:30	36.4	0.0	1226	632	775	638	667	565	652	576	504
04:45	36.4	0.0	1221	661	815	648	637	531	607	531	462
05:00	36.4	0.0	1218	674	832	666	623	541	607	532	466
05:15	36.4	0.4	1193	722	893	728	692	628	724	620	530
05:30	36.4	3.0	1259	827	1073	865	824	707	818	693	575
05:45	36.5	4.8	1214	832	1064	883	803	711	838	745	637
06:00	36.4	4.3	1228	825	1040	909	834	740	855	770	653
06:15	36.4	4.4	1225	829	1049	911	841	744	871	773	650
06:30	36.4	4.3	1269	814	1017	886	812	705	797	725	627
06:45	36.4	4.3	1267	820	1005	884	813	741	841	758	643
07:00	36.5	4.3	1256	805	995	883	814	752	863	777	687
07:15	36.4	4.3	1265	837	1032	915	839	769	890	791	688
07:30	36.4	4.3	1273	847	1050	924	817	753	831	734	642
07:45	36.5	4.3	1261	880	1099	939	826	753	815	722	609
08:00	36.5	4.3	1251	894	1068	920	780	723	774	689	603
08:15	36.5	4.3	1243	903	1082	940	817	739	794	687	578
08:30	36.4	4.3	1265	905	1084	943	833	753	828	739	636
08:45	36.4	4.3	1227	898	1102	967	847	771	837	747	644
09:00	36.4	4.3	1262	900	1069	933	807	744	796	691	603
09:15	36.4	4.3	1266	933	1107	968	839	773	825	737	631
09:30	36.4	4.3	1252	907	1081	944	824	746	779	694	604
09:45	36.5	4.3	1280	912	1091	960	839	750	818	749	651
10:00	36.5	4.3	1276	926	1084	954	839	772	843	758	648
10:15	38.3	4.7	1289	930	1119	1021	860	799	882	783	673
10:30	43.9	5.5	1354	972	1168	1074	920	849	928	837	725

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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	44.9	5.7	1363	973	1192	1066	951	862	966	867	738
11:00	44.8	5.7	1377	943	1146	1066	960	880	977	898	787
11:15	44.8	5.7	1373	953	1152	1069	970	912	1017	906	779
11:30	44.9	5.7	1399	953	1143	1071	982	904	1000	892	764
11:45	44.9	5.7	1397	962	1175	1084	1010	926	1017	918	797
12:00	44.9	5.7	1420	948	1170	1077	1005	892	941	841	711
12:15	44.9	5.7	1400	981	1213	1116	1048	937	1007	901	776
12:30	45.0	5.7	1421	969	1156	1089	1009	906	967	860	742
12:45	44.9	5.7	1399	992	1208	1168	1052	922	969	859	735
13:00	44.8	5.7	1422	962	1189	1178	1042	940	990	905	780
13:15	44.8	5.7	1444	948	1154	1178	1042	958	1025	919	794
13:30	44.9	5.7	1423	976	1195	1217	1065	964	1005	906	771
13:45	45.0	5.7	1427	981	1180	1197	1033	921	961	849	727
14:00	45.1	5.7	1449	1016	1236	1250	1064	969	1008	894	745
14:15	44.8	5.7	1420	1009	1224	1223	1033	924	955	856	730
14:30	44.8	5.7	1435	1006	1230	1244	1056	934	998	907	785
14:45	44.9	5.7	1451	1022	1259	1259	1090	944	966	879	760
15:00	44.9	5.7	1439	1015	1221	1244	1093	974	993	876	753
15:15	44.9	6.4	1454	1009	1245	1275	1097	960	997	902	760
15:30	44.7	8.0	1443	1004	1234	1270	1124	998	1032	904	758
15:45	44.5	8.2	1460	1006	1220	1276	1101	999	1034	916	783
16:00	44.7	8.2	1444	1011	1234	1255	1119	1003	1038	935	809
16:15	44.8	8.2	1453	1027	1255	1310	1131	1015	1018	893	751
16:30	44.8	8.2	1457	1016	1218	1254	1106	963	943	860	734
16:45	44.7	8.2	1442	1037	1263	1317	1150	1031	1063	950	802
17:00	44.7	8.2	1443	1037	1226	1271	1119	1021	1074	976	830
17:15	44.7	8.2	1440	1049	1235	1300	1145	1063	1112	1010	856
17:30	44.7	8.2	1455	1035	1251	1310	1156	1072	1108	976	818
17:45	44.7	8.2	1438	1030	1247	1310	1163	1069	1091	1000	859
18:00	44.7	8.2	1445	1021	1245	1306	1157	1072	1110	986	845
18:15	44.7	8.2	1461	1012	1232	1282	1188	1106	1136	1000	851
18:30	44.8	8.2	1453	1003	1216	1278	1184	1090	1125	1031	901
18:45	44.7	8.2	1445	1006	1236	1271	1170	1045	1075	976	835
19:00	44.8	8.2	1475	1015	1235	1299	1199	1091	1103	1004	871
19:15	44.7	8.2	1471	1011	1239	1306	1205	1091	1116	1017	872
19:30	44.7	8.2	1416	1001	1227	1294	1189	1109	1170	1073	936
19:45	44.7	8.2	1448	990	1214	1282	1205	1090	1099	999	860
20:00	44.7	8.2	1453	1008	1247	1319	1224	1059	1059	972	830
20:15	44.7	9.1	1452	1015	1264	1336	1236	1113	1124	1016	861
20:30	44.7	11.0	1468	1031	1308	1384	1290	1137	1138	1037	884
20:45	44.7	11.2	1444	1040	1309	1363	1257	1139	1152	1058	926
21:00	44.7	11.2	1474	1046	1324	1378	1254	1130	1144	1006	853
21:15	44.7	11.2	1459	1050	1316	1347	1246	1096	1099	1000	857
21:30	44.7	11.3	1480	1036	1281	1352	1246	1121	1146	1065	921
21:45	44.7	11.3	1468	1034	1283	1347	1264	1138	1172	1073	928
22:00	44.7	11.4	1465	1060	1293	1345	1262	1140	1153	1056	923

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22:15	44.7	11.3	1482	1050	1291	1357	1289	1147	1186	1081	924
22:30	44.7	11.2	1471	1051	1294	1366	1280	1127	1100	978	829
22:45	44.7	11.2	1469	1055	1293	1358	1279	1105	1117	1004	869
23:00	44.7	11.3	1473	1070	1355	1403	1277	1097	1108	1010	893
23:15	44.7	11.3	1473	1071	1328	1389	1304	1151	1177	1097	963
23:30	44.7	11.3	1479	1086	1338	1358	1277	1123	1149	1028	863
23:45	44.7	11.3	1432	1103	1436	1447	1325	1161	1173	1070	912
24:00	44.7	11.3	1470	1093	1325	1371	1282	1140	1139	1021	868
24:15	44.7	11.3	1457	1080	1309	1361	1292	1172	1224	1138	983
24:30	44.7	11.3	1470	1094	1305	1366	1316	1193	1230	1136	967
24:45	44.7	11.3	1486	1092	1347	1403	1313	1182	1208	1098	931
25:00	44.7	11.3	1455	1111	1322	1359	1252	1136	1146	1042	865
25:15	45.7	12.8	1479	1116	1400	1444	1293	1191	1187	1082	889
25:30	48.1	15.7	1516	1146	1416	1464	1302	1213	1226	1127	953
25:45	48.6	16.0	1515	1171	1439	1471	1309	1226	1259	1165	979
26:00	48.6	16.0	1510	1183	1432	1418	1266	1214	1257	1159	958
26:15	48.5	16.1	1464	1199	1504	1441	1253	1154	1149	1071	884
26:30	48.6	16.0	1514	1230	1545	1507	1305	1225	1230	1107	921
26:45	48.5	16.0	1054	1352	1623	1498	1260	1131	1093	982	830
27:00	48.6	16.1	1066	1294	1550	1418	1196	1092	1052	961	828
27:15	48.5	16.0	1064	1267	1523	1377	1185	1114	1071	984	831
27:30	48.6	16.0	1063	1247	1500	1425	1215	1195	1137	1036	874
27:45	48.5	16.1	1099	1228	1442	1376	1194	1143	1112	1039	878
28:00	48.5	16.0	1148	1198	1360	1336	1182	1139	1127	1008	835
28:15	48.6	16.0	919	1194	1372	1272	1125	1067	1048	967	826
28:30	48.5	16.0	850	1191	1385	1281	1107	1046	993	917	802
28:45	48.5	16.1	1058	1163	1417	1381	1207	1172	1154	1057	892
29:00	48.5	16.1	1048	1181	1358	1263	1118	1074	1049	980	834
29:15	48.5	16.1	955	1174	1395	1303	1135	1082	1047	958	830
29:30	48.7	16.0	990	1186	1391	1315	1148	1120	1094	1004	853
29:45	48.7	16.1	1118	1137	1335	1297	1156	1116	1122	1027	872
30:00	47.0	15.3	1036	1116	1288	1227	1118	1068	1059	979	834

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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
00:00	82	81	81	79	83	83	79	79	79	79
00:15	257	239	233	211	120	178	154	94	79	79
00:30	311	281	263	253	150	242	214	118	79	79
00:45	331	314	300	284	130	233	209	121	79	79
01:00	362	328	309	293	128	248	215	126	80	80
01:15	364	336	311	293	125	236	225	131	81	80
01:30	367	340	322	304	144	261	225	131	82	81
01:45	387	360	335	313	166	266	237	123	84	82
02:00	397	367	345	320	180	284	222	122	86	83
02:15	380	345	316	298	165	271	223	131	89	84
02:30	396	366	337	321	150	254	243	127	91	85
02:45	399	369	343	322	146	261	220	136	94	87
03:00	414	379	348	319	155	263	238	125	97	88
03:15	413	384	355	332	156	244	239	132	100	90
03:30	382	355	332	318	149	255	248	131	103	92
03:45	413	390	361	338	141	257	247	136	106	94
04:00	442	409	372	346	140	266	254	136	109	96
04:15	458	426	399	371	138	246	245	140	112	98
04:30	481	451	426	396	142	242	230	137	114	100
04:45	430	400	361	336	143	258	259	146	117	102
05:00	435	406	371	349	142	264	252	137	120	104
05:15	492	449	408	369	174	297	272	140	123	106
05:30	526	482	449	424	174	365	315	139	127	108
05:45	591	546	500	468	151	363	289	140	130	111
06:00	603	562	518	479	168	366	302	140	134	113
06:15	597	547	511	484	168	348	319	152	138	116
06:30	568	526	484	438	166	382	340	156	143	118
06:45	595	545	503	468	158	370	330	165	147	121
07:00	616	560	518	477	152	369	334	158	152	124
07:15	614	556	500	454	162	357	319	159	156	127
07:30	581	541	501	462	175	361	337	153	160	129
07:45	543	491	447	423	202	385	317	164	163	131
08:00	552	510	476	450	198	393	318	159	167	134
08:15	524	489	449	414	200	403	332	165	172	136
08:30	576	530	488	455	193	379	333	157	176	139
08:45	560	518	480	446	184	404	326	169	180	141
09:00	549	506	466	442	183	422	342	162	183	144
09:15	571	516	471	443	189	390	329	150	187	146
09:30	561	516	484	446	187	396	336	158	191	148
09:45	610	569	522	485	190	379	321	162	194	150
10:00	586	536	492	462	175	406	324	163	197	152
10:15	604	547	494	460	187	392	327	164	201	154
10:30	664	609	560	510	185	415	348	158	205	156
10:45	667	619	572	523	190	411	337	164	208	158
11:00	704	626	568	529	180	415	348	166	211	160
11:15	721	662	601	561	184	388	348	159	213	162
11:30	697	636	565	514	188	412	371	179	216	164

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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	716	653	587	535	188	393	374	164	219	166
12:00	654	599	548	509	187	430	357	172	222	169
12:15	729	657	599	552	190	415	367	174	224	170
12:30	699	647	587	536	190	402	340	161	227	172
12:45	665	598	548	521	197	445	347	163	229	174
13:00	731	665	603	555	193	420	376	174	230	177
13:15	727	666	607	561	177	414	372	180	231	178
13:30	713	643	591	550	196	409	385	172	232	180
13:45	671	612	566	524	210	450	363	179	233	182
14:00	677	609	551	517	195	402	352	180	233	183
14:15	671	613	569	530	211	411	390	167	235	185
14:30	716	634	578	539	211	438	361	166	237	185
14:45	716	642	570	526	194	426	361	176	238	187
15:00	695	638	584	544	206	436	375	167	242	189
15:15	703	656	611	568	191	459	395	168	244	190
15:30	683	613	563	522	178	463	409	180	245	191
15:45	721	651	610	564	211	477	398	171	245	192
16:00	753	681	632	595	197	468	377	177	244	194
16:15	680	626	571	526	215	498	414	189	250	196
16:30	688	644	590	540	209	485	399	184	248	197
16:45	723	658	598	548	205	470	393	185	252	198
17:00	767	692	612	555	200	445	405	173	257	199
17:15	789	704	646	594	201	467	401	193	255	201
17:30	740	664	605	571	206	513	403	172	256	202
17:45	803	735	677	625	201	498	425	174	258	204
18:00	788	720	662	594	196	482	411	172	259	205
18:15	782	694	619	570	201	480	426	176	260	205
18:30	827	757	697	635	198	469	409	182	262	207
18:45	781	707	642	597	218	503	414	180	263	209
19:00	827	755	680	621	208	483	396	177	263	210
19:15	818	736	663	617	209	467	365	174	264	211
19:30	854	756	687	635	220	471	392	172	265	213
19:45	801	729	658	607	213	470	395	180	265	213
20:00	769	703	648	596	214	490	407	181	266	214
20:15	797	718	644	600	222	496	425	181	267	216
20:30	810	732	658	599	232	495	434	183	268	217
20:45	854	754	682	621	218	522	401	184	269	218
21:00	787	697	623	574	250	497	414	181	270	220
21:15	800	742	696	661	238	518	399	188	272	221
21:30	830	755	700	635	213	510	453	187	274	222
21:45	853	765	694	643	198	537	417	191	290	224
22:00	865	754	676	620	207	500	420	192	296	225
22:15	871	788	730	677	221	467	415	190	288	227
22:30	763	694	633	588	219	528	456	181	291	228
22:45	811	740	676	624	235	543	437	184	291	229
23:00	819	739	659	596	225	537	431	194	291	230
23:15	887	778	692	628	219	511	410	184	290	232

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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
23:30	805	728	674	623	240	521	434	183	294	232
23:45	838	760	695	638	223	517	426	183	297	234
24:00	820	755	689	641	213	523	434	191	296	235
24:15	913	806	733	675	222	513	423	179	294	238
24:30	910	822	743	690	201	480	408	180	294	240
24:45	868	766	692	632	216	535	433	192	294	240
25:00	810	731	655	607	228	512	425	193	300	240
25:15	834	766	702	646	227	552	454	197	301	241
25:30	900	814	761	706	233	567	456	193	300	241
25:45	948	867	811	748	231	573	453	204	312	242
26:00	937	842	769	703	250	593	473	197	314	243
26:15	900	826	753	698	240	587	459	190	308	243
26:30	895	804	737	696	258	598	471	189	306	244
26:45	785	708	635	589	250	591	476	214	305	246
27:00	792	720	664	618	262	587	516	208	306	249
27:15	810	731	687	655	249	589	478	204	306	258
27:30	835	757	702	665	269	619	510	200	319	263
27:45	846	763	690	645	262	587	523	208	317	267
28:00	798	714	646	600	263	507	515	191	318	271
28:15	801	739	678	619	260	598	496	210	319	273
28:30	768	702	663	624	260	610	490	199	321	276
28:45	855	778	736	688	243	599	515	208	330	280
29:00	806	741	691	628	261	587	521	211	330	281
29:15	821	768	721	662	255	567	515	210	334	285
29:30	817	753	694	630	264	595	516	202	344	293
29:45	857	788	738	687	270	559	465	221	338	500
30:00	830	761	712	675	264	529	474	201	359	500

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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	79	80	80	79	79	78	79	79	79	79
00:15	79	80	80	79	79	78	79	79	79	79
00:30	81	80	80	79	79	79	79	79	79	79
00:45	85	80	81	81	82	79	80	80	80	79
01:00	92	80	81	83	85	79	80	82	82	79
01:15	100	81	82	87	89	79	81	84	84	80
01:30	106	81	84	91	93	79	82	86	86	80
01:45	113	82	86	95	97	79	82	88	89	81
02:00	121	83	90	99	101	80	83	91	92	81
02:15	130	84	94	101	107	80	84	94	95	82
02:30	138	86	99	104	111	81	86	96	97	83
02:45	146	88	101	108	116	81	88	100	100	83
03:00	154	89	104	111	121	82	91	100	103	84
03:15	162	91	106	115	126	83	94	103	106	85
03:30	171	93	109	120	130	83	96	106	108	86
03:45	179	94	112	123	134	84	98	106	111	87
04:00	185	96	115	125	139	85	102	108	113	88
04:15	191	97	117	128	143	86	103	111	115	88
04:30	198	99	120	132	148	87	105	112	118	89
04:45	204	100	123	135	151	88	106	114	121	90
05:00	210	102	125	138	155	88	108	116	124	91
05:15	216	103	128	141	159	89	110	118	126	92
05:30	223	105	129	144	164	90	111	120	129	93
05:45	233	107	130	147	169	91	112	121	132	94
06:00	244	109	133	152	176	92	114	123	135	95
06:15	254	111	135	158	183	94	116	126	139	96
06:30	265	114	138	163	191	95	118	130	142	98
06:45	277	117	142	169	198	96	120	133	146	99
07:00	287	120	146	173	206	98	123	136	150	100
07:15	297	123	151	179	212	99	124	139	153	101
07:30	303	128	154	184	219	100	126	141	157	103
07:45	313	131	158	190	226	102	129	143	160	104
08:00	322	135	163	195	233	104	132	148	164	105
08:15	329	139	167	198	241	105	133	151	166	106
08:30	336	143	170	204	247	107	137	155	171	108
08:45	345	147	175	208	255	109	138	157	174	109
09:00	353	151	179	214	262	110	140	159	177	111
09:15	357	155	185	220	266	112	143	162	181	112
09:30	367	159	189	223	272	114	146	165	185	114
09:45	370	164	192	227	277	115	147	168	187	115
10:00	379	168	196	231	282	117	148	170	191	116
10:15	382	172	200	235	286	119	150	172	194	118
10:30	385	175	202	239	291	121	152	174	196	119
10:45	390	178	207	243	296	123	154	177	201	120
11:00	394	182	210	246	302	125	156	179	203	122
11:15	397	185	215	249	308	127	158	182	207	124
11:30	401	186	221	254	312	129	162	186	210	125

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Date: 08/25/20

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	404	190	223	258	318	132	164	186	215	126
12:00	407	194	226	263	323	134	166	188	219	127
12:15	413	196	230	266	327	137	167	193	223	129
12:30	420	200	232	270	332	139	169	195	226	130
12:45	426	202	234	273	335	141	171	197	229	132
13:00	434	205	242	275	339	144	173	199	232	134
13:15	447	208	246	278	343	146	175	202	236	135
13:30	454	212	250	281	344	149	178	205	239	137
13:45	463	216	254	284	348	151	180	207	243	138
14:00	471	219	258	289	350	154	181	209	245	139
14:15	474	223	262	291	354	157	184	210	250	141
14:30	483	225	269	295	356	159	185	213	252	143
14:45	493	230	272	300	358	161	188	215	253	145
15:00	588	233	273	304	358	163	189	217	258	146
15:15	695	237	280	306	356	166	190	220	261	148
15:30	714	241	284	309	359	168	192	221	263	150
15:45	750	247	290	311	360	170	195	222	265	151
16:00	746	252	293	317	363	173	196	227	268	152
16:15	729	255	301	319	369	175	198	228	272	154
16:30	732	261	305	326	371	178	199	231	275	155
16:45	729	268	319	332	376	180	202	232	277	157
17:00	742	277	326	340	379	183	202	235	281	158
17:15	748	282	335	346	387	185	206	237	283	160
17:30	745	283	348	353	392	187	207	240	287	161
17:45	749	286	357	356	399	190	209	241	289	162
18:00	754	290	378	366	401	192	210	243	291	164
18:15	758	295	393	374	406	193	211	246	292	166
18:30	762	298	395	373	410	196	214	249	293	167
18:45	766	299	408	382	413	198	215	251	296	168
19:00	771	303	410	387	418	201	216	251	299	170
19:15	776	301	419	398	420	202	219	255	303	171
19:30	783	303	426	407	424	205	221	256	301	173
19:45	788	307	435	413	428	207	223	259	304	175
20:00	795	310	443	419	430	208	225	261	306	176
20:15	801	310	437	419	435	211	228	262	308	178
20:30	804	311	429	417	434	211	231	263	311	179
20:45	810	314	431	416	437	213	231	267	316	181
21:00	810	319	429	418	440	214	232	268	318	183
21:15	819	319	433	418	445	215	235	269	320	184
21:30	815	323	434	423	445	216	236	272	321	186
21:45	798	325	433	426	448	218	236	274	326	188
22:00	803	328	438	420	452	219	238	276	327	189
22:15	809	335	439	420	452	221	241	278	330	191
22:30	795	337	441	419	451	222	244	278	333	193
22:45	796	339	445	419	451	224	244	281	335	195
23:00	786	340	446	419	452	226	246	284	337	196
23:15	782	345	445	417	454	228	246	285	339	197

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Date: 08/25/20

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	784	348	451	417	457	231	250	287	341	199
23:45	785	350	451	418	457	234	249	289	344	201
24:00	794	351	457	423	459	235	251	290	346	203
24:15	797	353	458	425	458	237	253	291	346	205
24:30	799	355	459	422	458	239	254	293	348	206
24:45	800	357	466	429	459	240	256	295	350	208
25:00	798	359	473	429	464	242	259	296	352	211
25:15	800	352	467	426	466	246	259	297	353	213
25:30	808	352	467	429	468	247	261	299	354	215
25:45	800	354	489	431	466	248	262	301	354	217
26:00	820	356	497	430	472	250	264	303	356	219
26:15	829	360	501	433	475	253	266	304	358	221
26:30	834	364	506	435	478	255	268	306	362	223
26:45	829	367	507	439	483	256	269	308	365	224
27:00	832	371	512	440	488	258	273	313	369	226
27:15	834	372	512	444	492	261	276	313	368	228
27:30	843	376	514	443	495	262	278	315	367	229
27:45	855	379	517	451	499	264	280	316	368	231
28:00	861	386	519	458	505	266	282	318	371	233
28:15	867	390	522	464	508	269	283	319	372	235
28:30	867	397	523	459	511	271	287	320	373	237
28:45	870	402	523	459	513	272	288	322	374	238
29:00	872	405	525	460	517	273	290	323	375	240
29:15	883	413	531	460	517	275	292	324	374	242
29:30	889	418	532	459	522	276	294	325	377	243
29:45	904	423	534	461	527	277	295	326	377	245
30:00	897	431	538	461	535	280	297	329	379	246

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Date: 08/25/20

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	79	79	78	79	78	78	79	79	78	80
00:15	79	79	78	79	78	78	79	79	78	80
00:30	79	79	78	79	79	78	79	79	78	80
00:45	80	80	80	79	79	79	79	80	78	80
01:00	81	80	84	79	82	79	80	82	79	81
01:15	82	81	88	79	84	80	81	84	79	81
01:30	83	83	92	80	87	81	81	87	79	81
01:45	85	86	97	81	90	83	82	89	79	82
02:00	87	88	101	81	93	84	83	91	80	83
02:15	89	92	105	82	96	86	84	94	80	84
02:30	90	95	110	83	99	88	86	96	81	84
02:45	92	98	114	85	101	89	87	98	81	85
03:00	94	100	118	86	104	91	89	100	82	86
03:15	97	103	122	87	106	93	91	103	83	87
03:30	99	106	126	88	109	95	92	105	83	88
03:45	100	109	129	89	111	96	94	107	84	89
04:00	102	111	133	91	114	98	95	110	85	90
04:15	104	113	136	92	116	100	96	112	86	91
04:30	107	116	139	93	119	102	98	114	87	92
04:45	109	118	143	94	121	104	100	116	87	93
05:00	111	120	146	95	123	105	101	118	88	94
05:15	112	123	150	96	125	107	102	120	89	95
05:30	115	126	153	98	128	109	104	122	90	96
05:45	116	129	158	99	130	111	106	124	91	98
06:00	118	132	165	101	134	113	108	127	92	99
06:15	119	136	171	103	137	116	110	130	93	100
06:30	122	140	179	104	141	118	111	134	94	102
06:45	124	144	185	106	144	121	114	137	95	103
07:00	126	148	192	108	148	123	116	141	96	105
07:15	129	153	198	109	151	126	118	144	97	106
07:30	130	157	204	111	155	129	120	148	98	108
07:45	133	161	210	113	158	132	122	151	99	110
08:00	135	166	216	115	162	134	124	155	101	111
08:15	139	170	222	117	165	137	125	158	102	113
08:30	140	173	228	119	169	140	127	161	103	115
08:45	144	178	233	121	172	143	129	163	104	116
09:00	146	182	238	122	175	145	131	166	105	118
09:15	148	185	243	124	178	148	133	170	106	120
09:30	150	190	249	126	181	151	135	172	108	121
09:45	153	193	254	128	184	153	137	175	109	123
10:00	155	197	258	130	187	156	138	177	109	124
10:15	157	201	263	131	190	159	140	180	111	126
10:30	158	204	267	133	193	162	142	183	112	128
10:45	162	208	272	135	196	164	144	186	113	129
11:00	163	213	277	137	199	167	145	189	114	131
11:15	165	216	281	139	203	170	148	191	115	132
11:30	168	219	285	140	206	173	149	195	116	134

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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	172	223	290	142	210	176	151	197	118	136
12:00	173	225	295	143	213	178	153	200	119	138
12:15	176	229	299	145	216	181	155	202	120	140
12:30	178	233	304	147	219	184	156	205	121	142
12:45	180	236	307	149	223	187	158	207	122	143
13:00	182	239	312	151	226	190	160	210	123	145
13:15	185	242	315	152	228	193	162	211	124	147
13:30	186	245	318	154	231	196	164	214	125	148
13:45	188	248	322	156	234	198	165	216	127	150
14:00	190	250	325	157	237	201	167	218	128	152
14:15	191	252	327	159	239	204	168	221	129	154
14:30	194	256	331	161	242	206	170	222	129	155
14:45	196	258	334	162	244	209	172	225	131	157
15:00	197	261	337	164	247	211	173	227	132	158
15:15	201	262	341	166	249	214	175	230	133	160
15:30	202	265	343	168	252	216	177	232	134	162
15:45	205	267	346	169	254	219	178	234	135	163
16:00	207	269	350	170	256	221	180	237	136	165
16:15	209	271	353	172	259	224	181	239	137	167
16:30	210	271	357	173	261	227	183	241	138	168
16:45	212	272	361	175	264	229	185	242	139	170
17:00	216	273	364	176	267	232	186	245	139	172
17:15	216	274	367	178	269	234	188	246	141	174
17:30	220	274	371	180	271	236	189	249	142	175
17:45	221	274	373	181	274	239	191	251	143	177
18:00	223	274	375	183	277	241	193	253	144	179
18:15	224	274	376	184	279	244	195	255	145	181
18:30	225	275	378	186	282	246	195	258	146	182
18:45	226	275	379	187	284	248	197	260	147	184
19:00	228	276	382	189	286	251	199	262	148	186
19:15	229	277	383	190	288	253	200	264	149	188
19:30	233	277	384	192	290	255	201	266	150	190
19:45	233	278	385	193	292	258	203	268	151	191
20:00	236	278	387	195	294	260	204	270	152	192
20:15	237	279	390	196	296	262	206	271	153	194
20:30	239	280	391	198	298	264	208	273	154	195
20:45	240	281	392	199	300	266	209	276	154	197
21:00	242	282	393	201	302	268	210	277	155	198
21:15	244	283	395	202	303	270	212	279	156	200
21:30	246	284	398	204	306	272	213	281	158	202
21:45	248	285	399	205	308	275	214	284	158	203
22:00	250	286	401	207	310	277	216	285	159	205
22:15	252	287	403	208	312	279	217	287	160	206
22:30	254	287	404	209	314	281	219	288	162	208
22:45	257	288	407	211	316	283	220	290	162	210
23:00	258	290	408	212	318	286	221	291	163	211
23:15	260	291	409	213	320	287	222	291	164	213

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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	260	292	410	214	322	290	222	292	165	214
23:45	262	293	412	216	324	292	223	290	165	215
24:00	263	294	413	217	325	294	224	291	166	216
24:15	265	295	414	218	327	296	224	293	167	217
24:30	266	296	416	220	329	297	225	293	167	218
24:45	267	297	418	221	330	299	226	293	168	220
25:00	269	299	420	222	331	301	226	294	169	220
25:15	270	300	421	223	333	303	227	295	169	222
25:30	272	301	422	224	335	305	228	296	169	223
25:45	274	302	426	225	337	307	229	296	170	224
26:00	275	303	430	226	339	309	230	298	171	225
26:15	277	304	431	228	341	312	232	300	172	226
26:30	279	305	433	229	343	314	234	303	172	228
26:45	282	306	437	230	345	317	236	307	173	229
27:00	283	308	441	232	352	320	237	310	174	231
27:15	284	309	444	233	350	322	239	310	175	231
27:30	285	311	445	234	351	324	240	313	175	233
27:45	287	313	450	236	352	326	242	315	176	234
28:00	290	314	452	237	354	328	244	318	176	235
28:15	290	315	454	238	355	330	246	320	178	237
28:30	292	317	455	239	357	332	248	322	178	238
28:45	294	319	457	240	358	333	249	324	179	239
29:00	295	321	460	241	359	335	251	326	180	241
29:15	296	322	461	242	360	336	252	328	181	242
29:30	297	324	462	244	361	338	254	331	182	243
29:45	297	325	465	245	363	339	256	336	182	244
30:00	300	327	468	245	363	340	259	343	183	246

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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	80	139	119	147	170	140	118	136	129	79
00:15	80	809	676	816	841	635	487	691	628	79
00:30	80	1113	907	1123	1057	888	809	1012	947	79
00:45	80	1163	949	1113	1076	908	920	1013	981	79
01:00	82	1170	1021	1131	1107	948	992	1078	1042	79
01:15	83	1197	1085	1148	1102	990	1050	1107	1066	79
01:30	85	1204	1088	1194	1082	1025	1107	1138	1117	79
01:45	87	1256	1126	1228	1116	1036	1212	1242	1264	79
02:00	88	1272	1118	1209	1149	1031	1172	1193	1300	79
02:15	90	1260	1131	1201	1160	1035	1157	1173	1168	79
02:30	92	1264	1161	1240	1162	1051	1180	1186	1155	79
02:45	94	1287	1170	1271	1155	1078	1197	1237	1187	79
03:00	95	1281	1168	1245	1169	1074	1206	1220	1187	79
03:15	97	1296	1206	1259	1179	1094	1216	1237	1202	79
03:30	99	1297	1218	1261	1200	1096	1231	1259	1230	79
03:45	101	1291	1213	1280	1224	1101	1239	1263	1225	79
04:00	103	1299	1255	1285	1225	1119	1240	1266	1244	79
04:15	104	1347	1251	1319	1209	1142	1242	1266	1237	79
04:30	106	1358	1296	1328	1221	1156	1260	1285	1248	79
04:45	108	1382	1315	1348	1243	1168	1269	1276	1266	79
05:00	110	1371	1320	1359	1285	1187	1291	1293	1285	79
05:15	112	1377	1327	1348	1277	1177	1293	1303	1289	80
05:30	114	1404	1318	1390	1265	1196	1318	1324	1289	79
05:45	116	1400	1309	1387	1290	1205	1316	1313	1317	80
06:00	118	1400	1331	1391	1295	1210	1305	1333	1311	80
06:15	120	1395	1331	1375	1297	1204	1323	1355	1317	80
06:30	123	1389	1327	1381	1294	1209	1310	1325	1304	80
06:45	125	1428	1346	1375	1299	1212	1334	1336	1304	80
07:00	128	1411	1354	1369	1288	1211	1324	1336	1302	80
07:15	131	1405	1341	1393	1280	1222	1313	1336	1294	80
07:30	134	1402	1334	1384	1279	1214	1319	1360	1318	80
07:45	137	1415	1317	1389	1310	1222	1321	1335	1311	80
08:00	139	1424	1309	1397	1341	1223	1330	1344	1295	80
08:15	142	1436	1327	1410	1336	1228	1324	1353	1330	80
08:30	145	1426	1330	1403	1331	1231	1333	1363	1313	80
08:45	147	1433	1347	1401	1337	1234	1332	1347	1316	80
09:00	150	1452	1342	1407	1324	1236	1329	1348	1317	80
09:15	152	1423	1344	1393	1344	1241	1327	1335	1313	80
09:30	154	1443	1330	1410	1347	1245	1340	1345	1310	81
09:45	157	1454	1341	1422	1346	1256	1333	1339	1298	81
10:00	159	1444	1334	1415	1333	1247	1347	1388	1352	81
10:15	161	1435	1385	1434	1381	1268	1384	1414	1343	81
10:30	163	1540	1425	1523	1400	1306	1440	1469	1411	81
10:45	166	1539	1483	1544	1421	1331	1473	1494	1427	81
11:00	168	1558	1510	1549	1414	1351	1458	1491	1470	81
11:15	171	1563	1518	1565	1439	1355	1485	1494	1456	81
11:30	174	1576	1503	1579	1440	1374	1525	1532	1460	81

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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	176	1594	1523	1566	1437	1375	1523	1571	1511	81
12:00	178	1608	1515	1584	1460	1385	1505	1517	1494	82
12:15	181	1602	1530	1581	1452	1389	1535	1583	1523	82
12:30	184	1596	1511	1588	1469	1396	1547	1555	1485	82
12:45	186	1618	1549	1592	1470	1399	1535	1565	1533	82
13:00	189	1600	1537	1599	1479	1396	1534	1535	1506	82
13:15	191	1622	1574	1626	1460	1409	1566	1576	1516	82
13:30	193	1626	1549	1613	1462	1420	1573	1561	1514	82
13:45	195	1658	1553	1619	1475	1418	1566	1567	1531	82
14:00	198	1643	1544	1607	1484	1419	1579	1590	1543	83
14:15	200	1670	1557	1609	1489	1422	1559	1571	1553	83
14:30	202	1655	1552	1633	1494	1439	1573	1564	1533	83
14:45	204	1661	1546	1613	1496	1424	1567	1590	1553	83
15:00	206	1644	1548	1633	1508	1435	1556	1581	1539	83
15:15	208	1658	1588	1633	1491	1444	1564	1555	1537	83
15:30	210	1647	1600	1635	1478	1443	1582	1563	1546	84
15:45	212	1641	1583	1633	1492	1440	1598	1600	1552	84
16:00	215	1655	1626	1656	1487	1461	1590	1578	1561	84
16:15	217	1662	1591	1632	1508	1448	1580	1576	1545	85
16:30	219	1669	1572	1638	1515	1447	1602	1597	1542	85
16:45	222	1693	1574	1650	1514	1455	1591	1600	1559	84
17:00	223	1659	1590	1651	1495	1465	1606	1612	1565	85
17:15	226	1643	1624	1671	1495	1466	1622	1624	1574	85
17:30	229	1674	1592	1655	1504	1463	1619	1608	1575	85
17:45	232	1660	1589	1657	1505	1470	1612	1630	1582	85
18:00	233	1674	1595	1663	1507	1472	1609	1627	1576	85
18:15	236	1666	1629	1673	1508	1483	1602	1595	1581	85
18:30	238	1667	1608	1668	1509	1476	1624	1648	1580	85
18:45	240	1668	1615	1657	1498	1473	1634	1607	1580	85
19:00	243	1683	1603	1659	1525	1474	1620	1611	1578	86
19:15	244	1670	1591	1662	1531	1471	1605	1601	1580	86
19:30	246	1691	1606	1657	1534	1477	1616	1625	1586	86
19:45	248	1684	1627	1671	1506	1480	1639	1660	1593	86
20:00	250	1687	1601	1665	1529	1482	1640	1655	1598	86
20:15	252	1701	1600	1673	1536	1489	1631	1633	1606	86
20:30	254	1696	1594	1680	1536	1486	1658	1672	1605	86
20:45	256	1705	1612	1669	1544	1488	1660	1673	1607	86
21:00	257	1695	1606	1663	1539	1490	1647	1682	1609	87
21:15	260	1692	1619	1675	1538	1489	1625	1622	1601	88
21:30	262	1695	1612	1675	1527	1496	1641	1642	1601	87
21:45	264	1709	1613	1687	1541	1496	1655	1635	1599	87
22:00	266	1704	1637	1684	1535	1496	1656	1623	1603	88
22:15	268	1713	1626	1685	1532	1498	1675	1664	1607	89
22:30	271	1717	1598	1687	1553	1502	1635	1625	1603	88
22:45	272	1724	1605	1667	1550	1501	1652	1674	1610	88
23:00	273	1718	1615	1669	1543	1492	1657	1670	1612	89
23:15	274	1694	1618	1673	1554	1497	1646	1630	1608	90

TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

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	1735	1625	1694	1557	1508	1649	1642	1616	89
23:45	279	1725	1626	1684	1552	1508	1663	1642	1608	88
24:00	280	1740	1607	1684	1547	1504	1680	1666	1619	88
24:15	280	1748	1631	1683	1554	1508	1671	1657	1613	89
24:30	282	1716	1628	1686	1549	1506	1678	1701	1637	89
24:45	283	1709	1639	1693	1534	1506	1672	1638	1628	90
25:00	282	1725	1630	1701	1561	1515	1647	1625	1613	90
25:15	285	1730	1648	1700	1564	1523	1675	1670	1639	91
25:30	286	1761	1674	1720	1589	1537	1697	1702	1657	90
25:45	287	1787	1686	1678	1589	1535	1692	1672	1660	90
26:00	288	1775	1701	1683	1592	1533	1699	1692	1670	91
26:15	290	1770	1676	1701	1604	1539	1699	1689	1674	91
26:30	292	1772	1707	1709	1600	1547	1715	1704	1697	91
26:45	293	1777	1739	1670	1611	1548	1712	1713	1690	92
27:00	296	1770	1748	1663	1613	1535	1743	1726	1710	92
27:15	297	1771	1738	1653	1609	1538	1732	1716	1709	92
27:30	299	1789	1756	1668	1629	1549	1736	1731	1716	92
27:45	301	1783	1781	1651	1615	1537	1751	1751	1709	93
28:00	303	1808	1771	1643	1600	1536	1775	1771	1724	92
28:15	305	1834	1781	1647	1592	1544	1816	1802	1729	93
28:30	307	1776	1794	1657	1597	1548	1781	1747	1733	93
28:45	308	1805	1782	1678	1610	1553	1793	1775	1748	93
29:00	310	1815	1795	1672	1618	1553	1768	1776	1746	94
29:15	312	1824	1791	1674	1612	1561	1819	1788	1749	93
29:30	312	1815	1802	1675	1609	1555	1784	1780	1755	94
29:45	314	1845	1790	1675	1610	1569	1796	1768	1754	93
30:00	315	1847	1789	1668	1605	1568	1811	1809	1741	94

TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

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	80	80	79	80	78	79	78	78	79	500
00:15	80	80	79	80	78	79	78	78	79	500
00:30	80	80	79	80	78	79	78	78	78	500
00:45	80	80	79	80	78	79	78	78	78	500
01:00	80	80	79	80	78	79	78	78	79	500
01:15	80	80	79	80	78	79	79	78	79	500
01:30	80	80	79	80	78	79	79	78	79	500
01:45	80	80	79	80	78	79	79	78	79	500
02:00	80	80	79	80	78	79	79	78	79	500
02:15	80	80	79	80	78	79	79	78	79	500
02:30	80	80	79	80	78	79	80	78	79	500
02:45	80	80	79	80	78	79	80	78	79	500
03:00	80	80	79	80	78	80	81	78	80	500
03:15	80	80	79	80	78	80	82	79	80	500
03:30	80	80	79	80	78	81	83	79	80	500
03:45	80	80	79	80	78	81	83	79	81	500
04:00	80	80	79	80	78	82	84	79	81	500
04:15	80	80	80	80	78	83	85	79	82	500
04:30	80	80	80	80	78	84	86	79	82	500
04:45	80	80	80	80	79	84	87	80	83	500
05:00	80	80	80	80	79	85	88	80	84	500
05:15	80	80	80	80	79	86	90	80	84	500
05:30	80	80	80	80	79	87	91	81	85	500
05:45	81	80	80	80	79	88	92	81	86	500
06:00	81	80	80	81	79	89	93	81	86	500
06:15	81	81	81	81	79	90	94	82	87	500
06:30	82	81	81	81	79	91	96	82	88	500
06:45	82	81	81	81	79	93	97	83	89	500
07:00	82	81	82	81	79	94	99	83	90	500
07:15	83	81	81	81	79	95	101	84	91	500
07:30	83	81	82	81	79	97	103	84	92	500
07:45	83	81	82	81	79	98	105	85	93	500
08:00	82	81	82	82	79	100	107	85	94	500
08:15	83	81	83	82	79	101	109	86	95	500
08:30	83	81	82	82	80	103	111	87	96	500
08:45	82	81	82	82	80	105	113	87	97	500
09:00	85	81	83	82	80	107	115	88	99	500
09:15	84	81	83	82	80	108	118	89	100	500
09:30	84	81	82	82	80	110	120	90	101	500
09:45	84	81	83	82	80	112	123	91	103	500
10:00	84	82	83	83	80	114	125	91	104	500
10:15	85	82	83	82	81	116	127	92	105	500
10:30	86	82	84	83	81	118	130	93	107	500
10:45	85	82	84	83	81	120	132	94	108	500
11:00	86	82	84	83	81	123	135	95	110	500
11:15	87	82	85	83	81	125	137	96	111	500
11:30	86	82	84	84	81	127	140	97	113	500

TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

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	87	83	85	84	81	129	142	98	114	500
12:00	89	83	86	84	82	131	145	99	116	500
12:15	89	83	86	84	82	133	147	100	117	500
12:30	88	83	85	84	82	136	149	101	119	500
12:45	89	83	85	84	82	138	152	102	120	500
13:00	91	83	87	84	82	140	154	103	122	500
13:15	89	83	86	85	82	142	157	104	124	500
13:30	90	83	87	85	82	144	159	105	125	500
13:45	89	84	87	85	82	147	162	106	127	500
14:00	91	84	87	85	83	149	164	107	129	500
14:15	90	84	88	86	83	151	167	108	130	500
14:30	92	84	88	86	83	153	169	109	132	500
14:45	93	84	88	86	83	155	171	110	134	500
15:00	90	84	86	86	83	158	174	111	135	500
15:15	93	85	88	86	83	160	176	112	137	500
15:30	92	85	89	86	84	162	178	113	138	500
15:45	93	85	89	87	84	164	181	114	140	500
16:00	95	85	89	87	84	166	183	115	142	500
16:15	96	85	89	87	84	168	185	116	143	500
16:30	92	86	89	87	84	170	188	117	145	500
16:45	95	86	89	87	84	173	190	119	147	500
17:00	96	86	90	88	84	175	192	120	148	500
17:15	91	86	89	87	84	177	194	121	150	500
17:30	95	86	90	88	85	179	197	122	152	500
17:45	97	86	91	88	85	181	199	123	153	500
18:00	95	87	91	88	85	183	201	124	155	500
18:15	96	87	90	88	85	184	204	125	157	500
18:30	96	87	90	88	85	186	206	126	158	500
18:45	97	87	91	89	85	188	208	128	160	500
19:00	97	87	91	89	86	190	210	129	162	500
19:15	98	87	92	89	86	191	212	130	163	500
19:30	98	88	92	89	86	193	214	131	165	500
19:45	102	88	92	89	86	194	216	132	167	500
20:00	99	88	91	89	86	196	219	133	168	500
20:15	102	88	93	90	86	197	221	135	170	500
20:30	96	88	93	90	86	199	223	136	171	500
20:45	101	88	93	90	87	200	224	137	173	500
21:00	102	89	93	90	86	201	226	138	175	500
21:15	102	89	93	90	86	203	228	139	176	500
21:30	101	89	94	91	86	204	230	140	178	500
21:45	99	89	94	91	87	205	232	141	179	500
22:00	103	89	95	91	87	207	234	142	181	500
22:15	99	89	93	91	87	208	236	143	182	500
22:30	100	90	95	92	87	209	238	144	184	500
22:45	101	90	94	91	87	211	240	146	185	500
23:00	105	90	96	92	88	212	241	147	187	500
23:15	103	90	96	92	88	213	243	148	188	500

TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

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	100	90	95	92	88	214	245	149	190	500
23:45	107	90	96	93	88	216	247	150	192	500
24:00	99	91	94	92	88	217	249	151	193	500
24:15	104	91	97	92	89	218	250	152	195	500
24:30	104	91	95	92	89	220	252	153	196	500
24:45	101	91	95	92	89	221	254	154	198	500
25:00	105	92	96	93	89	222	256	155	199	500
25:15	102	92	97	93	89	224	257	156	201	500
25:30	102	92	96	95	89	225	259	157	202	500
25:45	107	92	98	94	89	226	261	159	204	500
26:00	102	92	96	95	89	227	262	160	205	500
26:15	106	92	97	94	89	229	264	161	207	500
26:30	100	92	97	93	89	230	266	162	208	500
26:45	105	93	98	94	89	231	267	163	210	500
27:00	101	93	97	94	89	232	269	164	211	500
27:15	106	93	98	95	90	234	271	165	213	500
27:30	102	93	97	94	90	235	273	166	214	500
27:45	106	94	98	95	90	236	275	167	216	500
28:00	110	94	98	95	90	237	277	168	217	500
28:15	106	94	98	96	90	239	279	169	219	500
28:30	111	94	98	95	90	240	281	170	220	500
28:45	105	94	100	95	91	241	283	171	222	500
29:00	104	94	99	96	91	243	285	172	223	500
29:15	105	94	97	94	91	244	287	173	224	500
29:30	107	95	99	96	91	246	289	174	226	500
29:45	107	95	98	96	91	247	291	175	227	500
30:00	107	96	100	97	91	248	293	176	229	500

*TC 59 experienced a malfunction during the test. The 500°F continuous measurement is not an accurate temperature reading and represents an open TC circuit on the Data Acquisition system.

TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

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
00:00	79	79	79	79	79	79	78	78
00:15	79	79	79	79	79	79	78	78
00:30	79	79	79	79	79	79	78	78
00:45	79	79	79	79	79	79	78	78
01:00	79	79	79	79	79	79	78	78
01:15	79	79	79	79	79	79	78	78
01:30	79	79	79	79	79	79	78	78
01:45	79	79	79	79	79	79	78	78
02:00	79	80	79	79	79	79	78	78
02:15	80	80	79	79	79	79	78	78
02:30	80	80	79	79	79	79	78	79
02:45	80	80	80	79	80	80	78	79
03:00	81	81	80	79	80	80	79	79
03:15	81	81	80	79	80	80	79	80
03:30	82	82	80	79	80	80	79	81
03:45	83	82	81	79	81	81	80	81
04:00	84	83	81	79	81	81	80	82
04:15	84	83	81	80	81	82	80	83
04:30	85	84	82	80	82	82	81	84
04:45	86	85	82	80	82	83	81	85
05:00	87	85	83	80	83	83	82	87
05:15	88	86	83	80	83	84	83	88
05:30	89	87	83	80	84	84	84	89
05:45	90	88	84	81	84	85	84	90
06:00	91	88	84	81	85	86	85	92
06:15	93	89	85	81	86	86	86	93
06:30	94	90	85	81	86	87	87	95
06:45	95	91	86	82	87	88	88	97
07:00	96	92	87	82	88	89	89	98
07:15	98	93	87	82	88	89	90	100
07:30	99	94	88	83	89	90	91	102
07:45	101	95	89	83	90	91	92	104
08:00	102	96	89	83	91	92	94	106
08:15	104	97	90	84	92	93	95	108
08:30	106	98	91	84	93	94	96	110
08:45	107	100	92	85	94	95	97	113
09:00	109	101	92	85	95	96	99	115
09:15	111	102	93	86	96	97	100	117
09:30	113	103	94	86	97	98	101	119
09:45	115	105	95	87	98	99	103	122
10:00	116	106	96	87	99	100	104	124
10:15	118	107	97	88	101	101	106	126
10:30	120	109	98	88	102	102	107	128
10:45	122	110	99	89	103	103	108	131
11:00	124	112	100	89	104	105	110	133
11:15	126	113	101	90	105	106	111	135
11:30	128	114	101	91	107	107	112	137

TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

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
11:45	130	116	102	91	108	108	114	140
12:00	132	117	103	92	109	109	115	142
12:15	134	119	104	92	110	110	117	144
12:30	136	120	105	93	112	111	118	146
12:45	138	122	106	93	113	112	119	148
13:00	140	123	108	94	114	114	121	150
13:15	142	125	109	95	116	115	122	152
13:30	144	126	110	95	117	116	123	154
13:45	146	128	111	96	118	117	125	156
14:00	148	129	112	97	120	118	126	158
14:15	151	131	113	97	121	119	127	160
14:30	153	132	114	98	122	121	129	161
14:45	155	134	115	99	124	122	130	163
15:00	157	136	116	99	125	123	131	164
15:15	159	137	117	100	126	124	133	166
15:30	161	139	118	101	128	125	134	168
15:45	163	140	120	101	129	126	135	169
16:00	165	142	121	102	130	128	136	171
16:15	167	143	122	103	132	129	137	173
16:30	169	145	123	103	133	130	139	174
16:45	171	146	124	104	135	131	140	176
17:00	174	148	125	105	136	132	141	178
17:15	176	149	126	105	137	133	142	179
17:30	178	151	127	106	139	135	143	181
17:45	180	152	129	107	140	136	145	183
18:00	182	154	130	107	141	137	146	184
18:15	184	156	131	108	143	138	147	186
18:30	186	157	132	109	144	139	148	187
18:45	188	159	133	109	146	140	149	189
19:00	190	160	135	110	147	142	150	190
19:15	192	162	136	111	148	143	151	192
19:30	194	164	137	112	150	144	152	193
19:45	196	165	138	112	151	145	154	194
20:00	198	167	139	113	152	146	155	195
20:15	200	168	140	114	154	147	156	197
20:30	202	170	142	114	155	148	157	198
20:45	204	172	143	115	157	150	158	199
21:00	206	173	144	116	158	151	159	200
21:15	208	175	145	116	159	152	160	201
21:30	210	176	146	117	161	153	161	202
21:45	212	178	147	118	162	154	162	203
22:00	214	179	149	119	163	155	163	204
22:15	216	181	150	119	165	156	164	206
22:30	218	182	151	120	166	157	165	208
22:45	220	184	152	121	167	158	167	210
23:00	222	186	153	121	169	159	168	211
23:15	224	187	154	122	170	161	169	213

TEST REPORT FOR WORLD MECH' TECH' CO., LTD.

Report No.: L0851.02-121-24-R0

Date: 08/25/20

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
23:30	226	189	155	123	171	162	170	214
23:45	227	190	157	123	173	163	171	215
24:00	229	192	158	124	174	164	172	217
24:15	231	193	159	125	175	165	173	218
24:30	233	195	160	125	176	166	174	219
24:45	235	196	161	126	177	167	175	221
25:00	237	198	162	127	178	168	176	222
25:15	239	199	163	127	180	168	178	223
25:30	241	201	164	128	181	169	179	224
25:45	243	202	165	129	182	170	180	225
26:00	245	203	166	129	183	171	181	226
26:15	246	205	167	130	184	172	182	228
26:30	248	206	168	130	185	173	183	229
26:45	250	207	169	131	186	174	184	230
27:00	252	209	170	131	187	175	185	231
27:15	254	210	171	132	188	176	186	232
27:30	255	212	172	133	189	177	187	233
27:45	257	213	173	133	190	178	188	234
28:00	259	214	174	134	191	179	190	236
28:15	261	216	176	134	192	180	191	237
28:30	263	217	177	135	193	181	193	238
28:45	264	219	178	135	195	182	195	239
29:00	266	220	179	136	196	183	197	241
29:15	268	222	180	136	197	184	199	242
29:30	269	223	181	137	198	185	201	244
29:45	271	225	182	138	199	186	203	245
30:00	273	226	183	138	201	187	205	247



Total Quality. Assured.

130 Derry Court
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Report No.: L0851.02-121-24-R0

Date: 08/25/20

SECTION 14

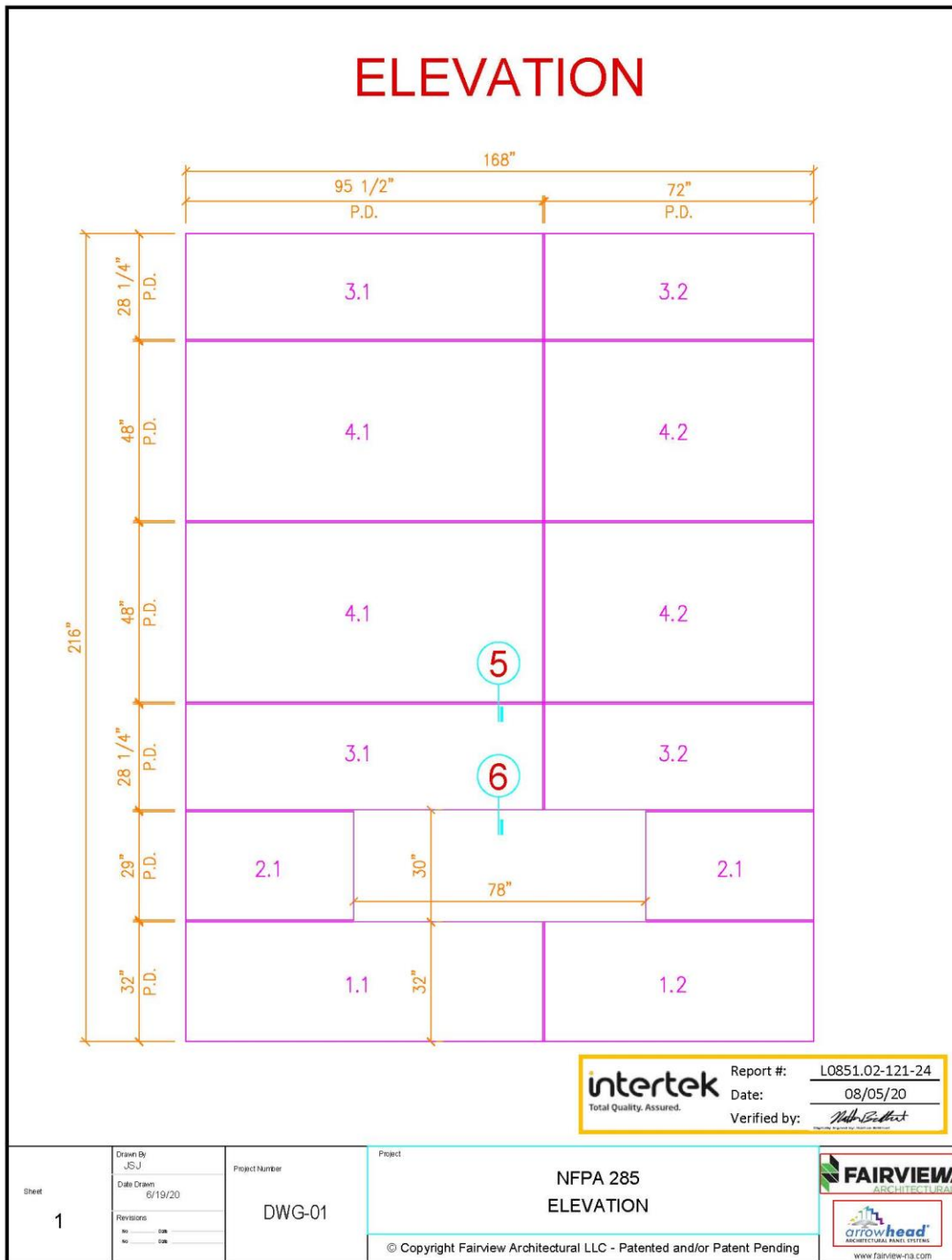
DRAWINGS

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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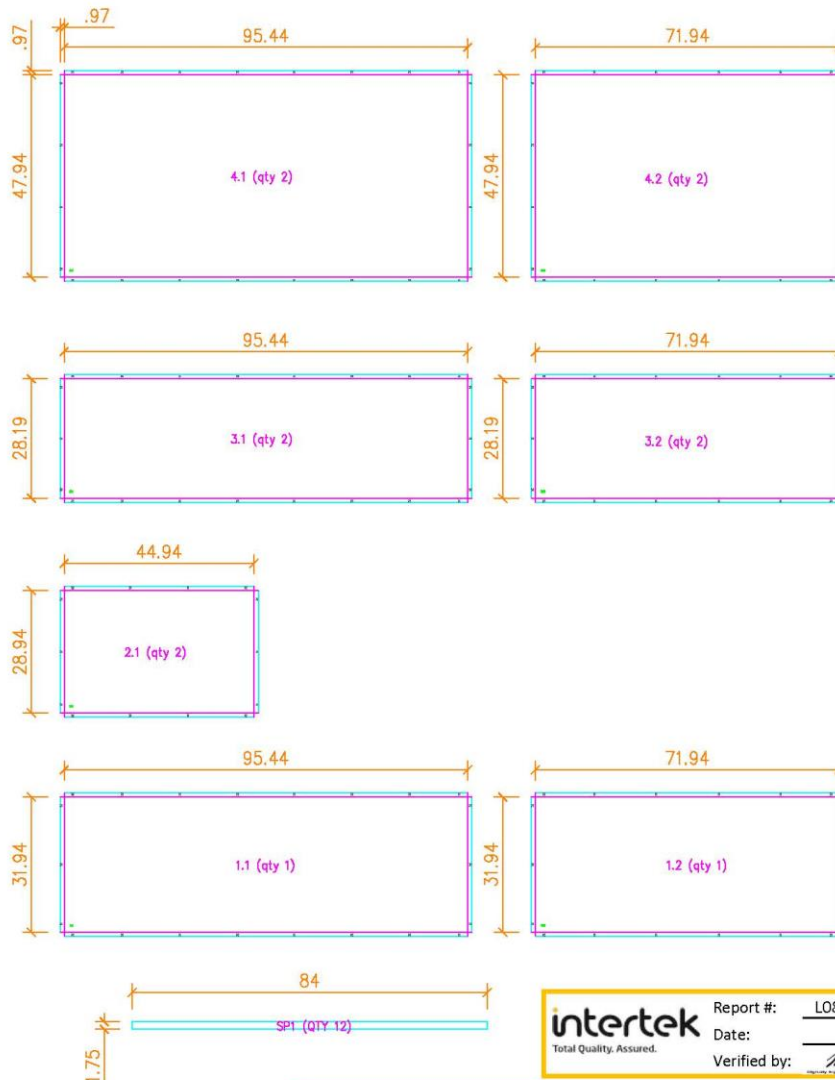


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ARROWHEAD FLEX 4MM ACM



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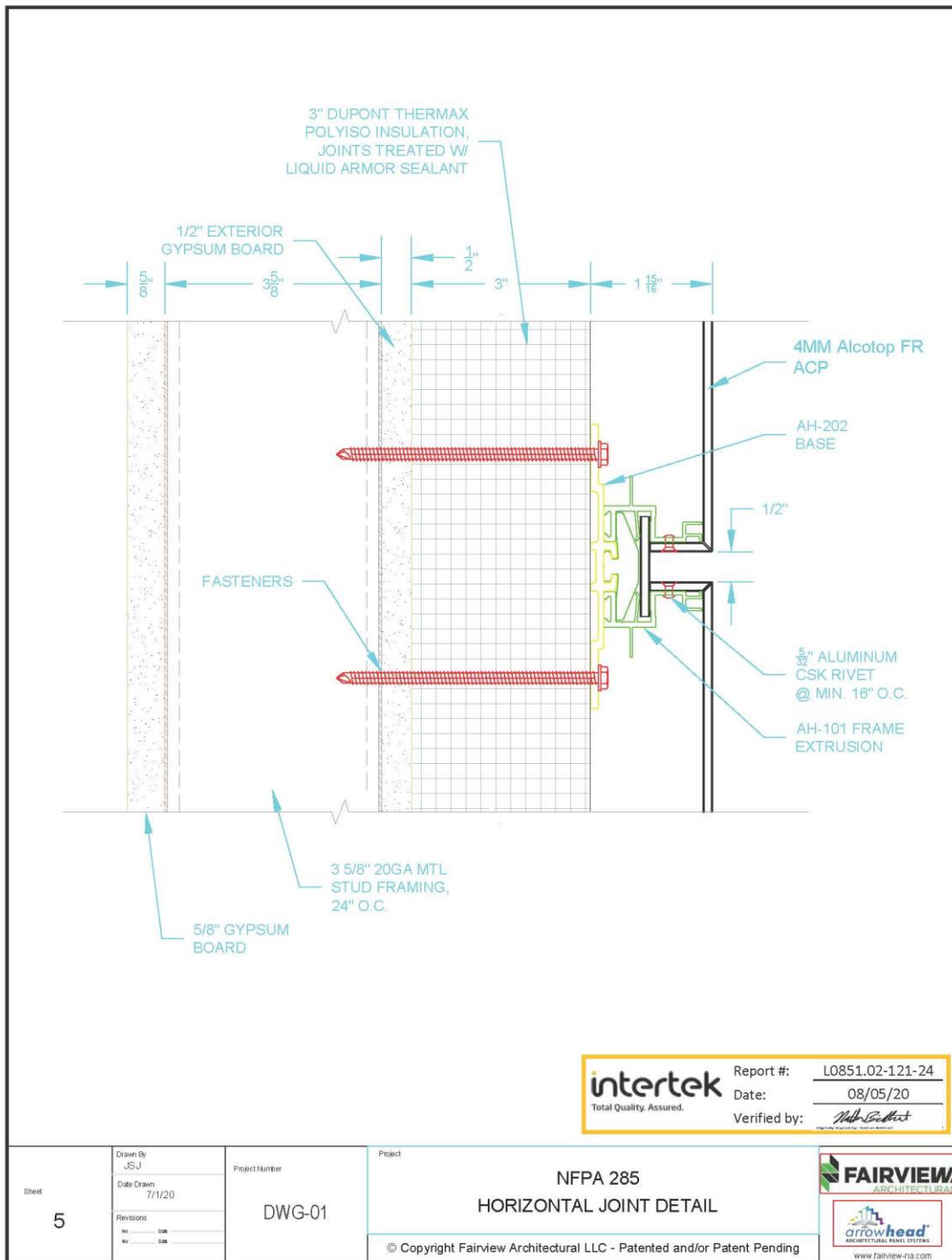
Report #: L0851.02-121-24
Date: 08/05/20
Verified by: *Nathaniel*

Sheet 3	Drawn By JSJ Date Drawn 6/19/20 Revisions no no	Project Number DWG-01	Project NFPA 285 FABRICATION DRAWINGS © Copyright Fairview Architectural LLC - Patented and/or Patent Pending	  www.fairview-ia.com
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Report No.: L0851.02-121-24-R0

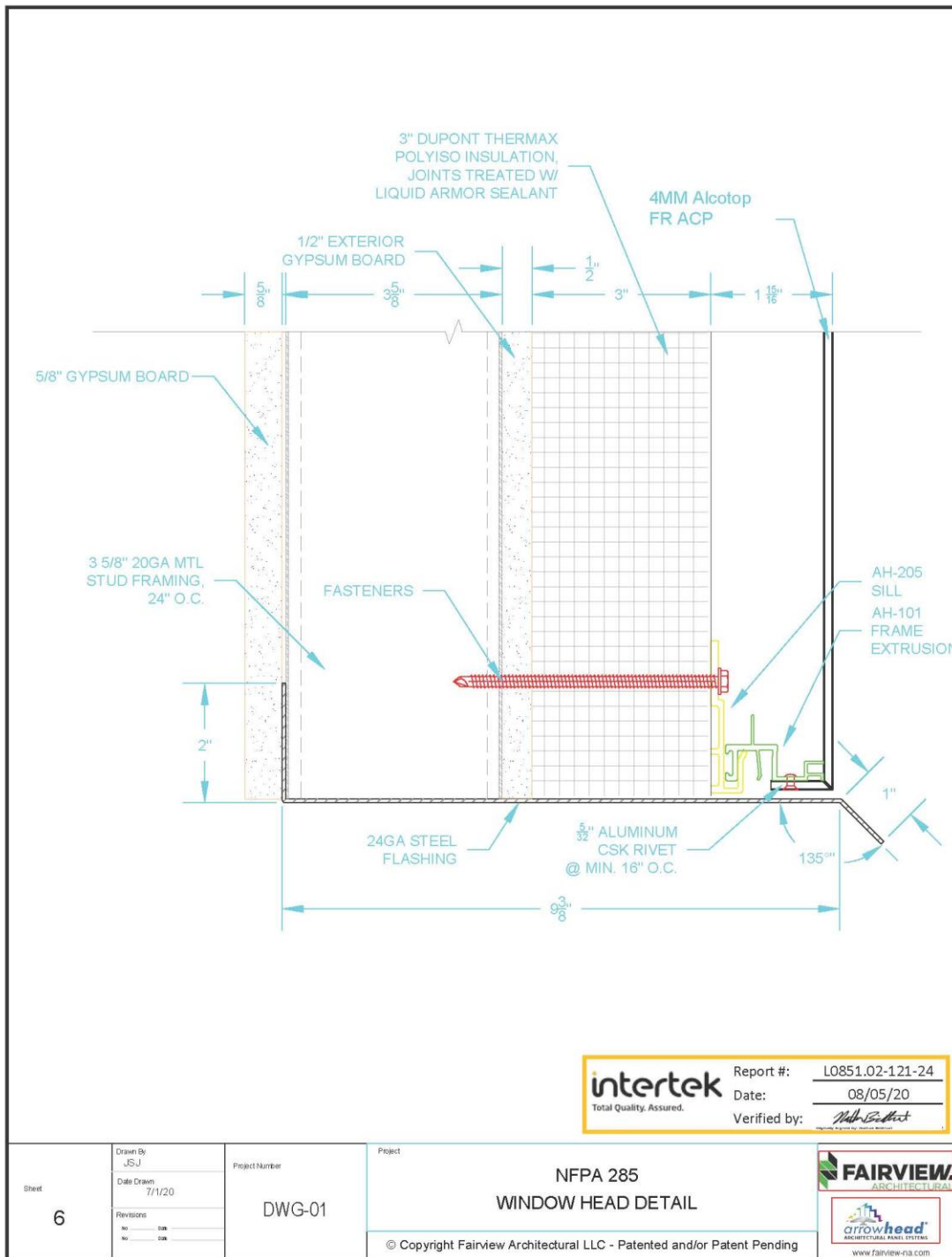
Date: 08/25/20



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Report No.: L0851.02-121-24-R0

Date: 08/25/20

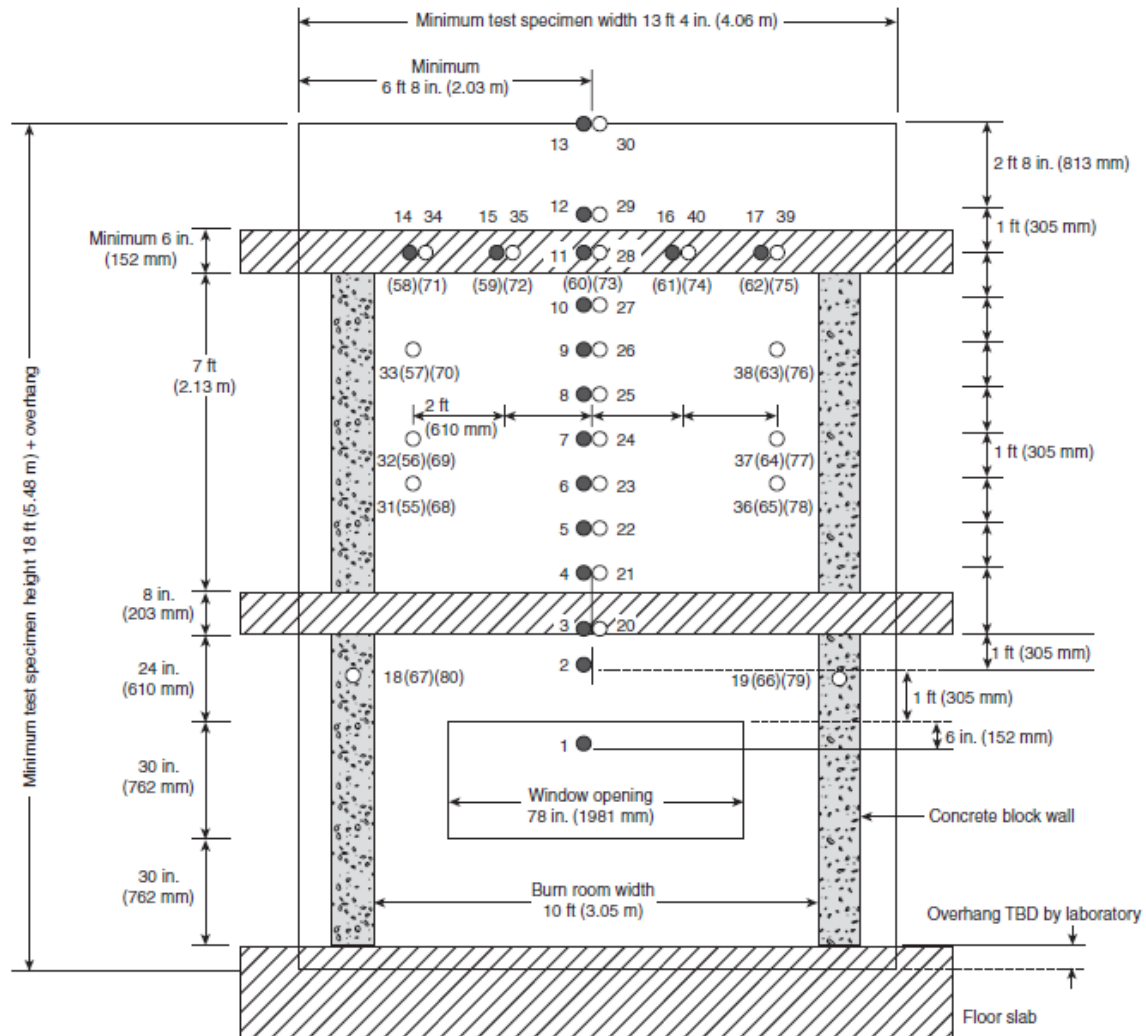


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Date: 08/25/20

Standard TC Locations



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

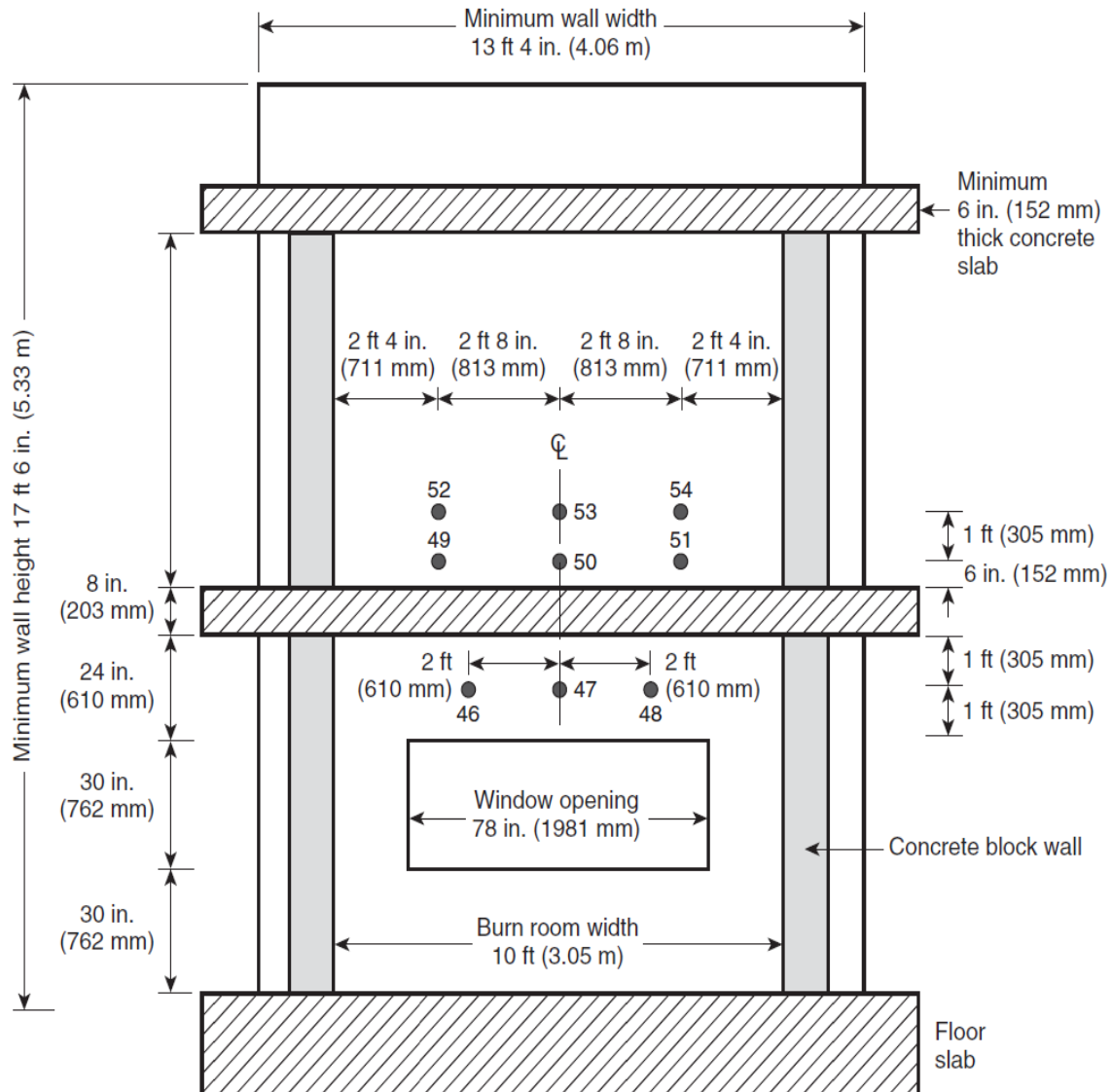
○ Thermocouples — In the wall cavity air space or the insulation, or both, as shown in Figure 6.1(b) Details A through I.

() 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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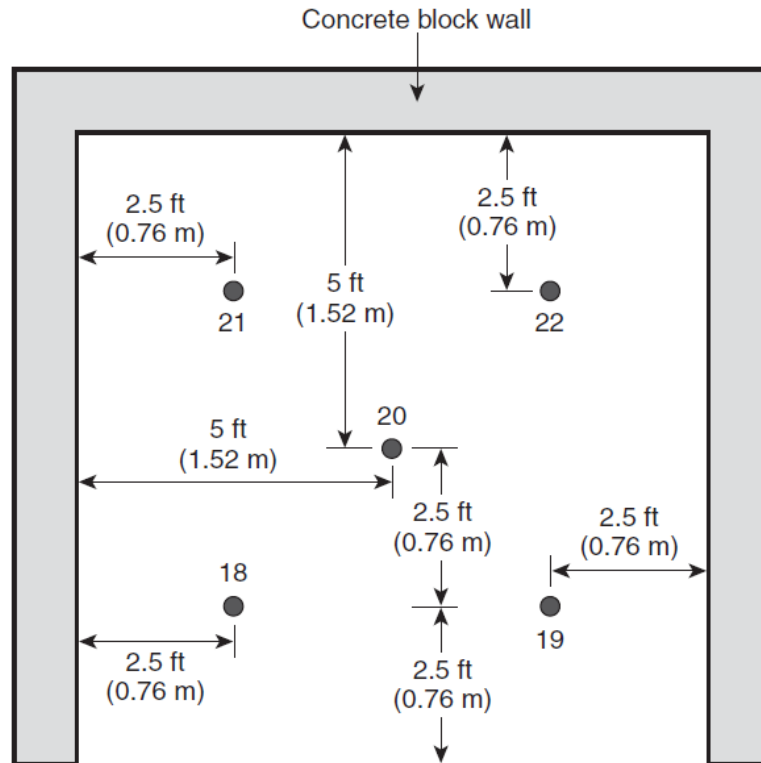


● Thermocouples — 1 in. (25 mm) from interior wall surface

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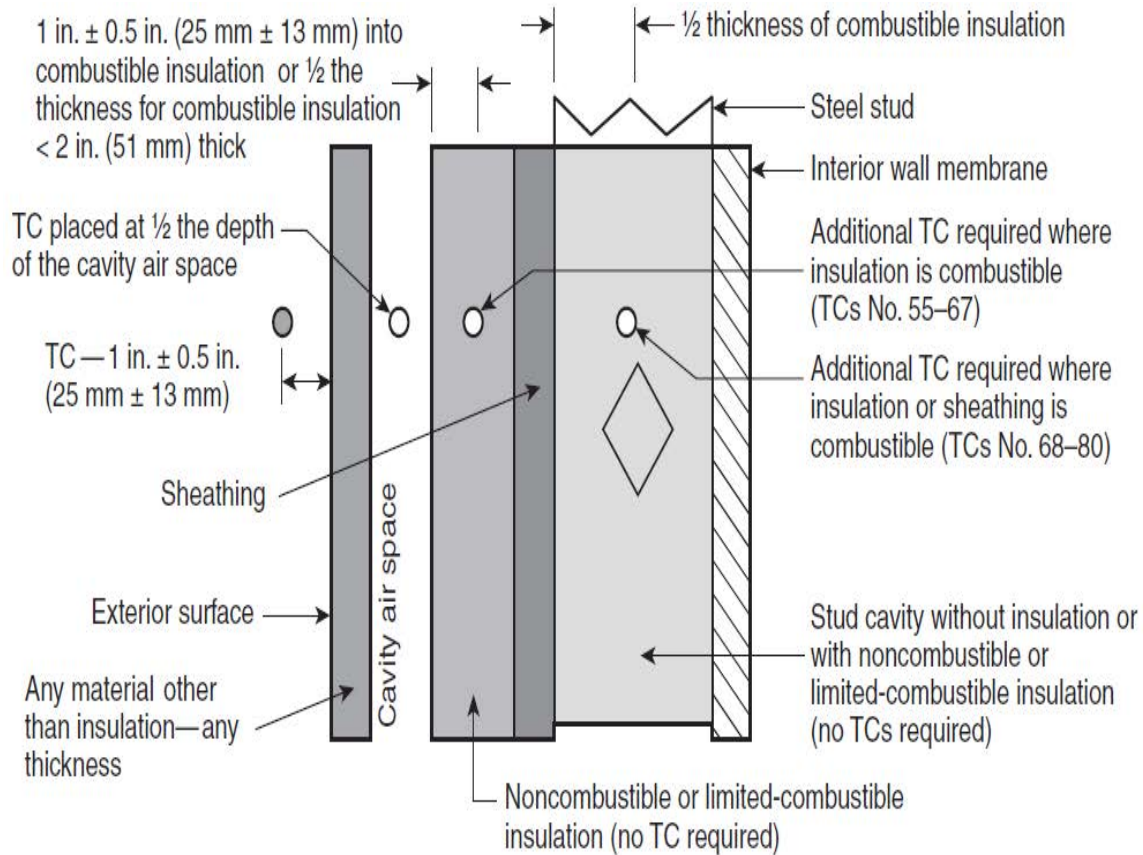


● Thermocouples (5) inside burn room 6 in. (152 mm) below ceiling

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SECTION 15

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	08/25/20	N/A	Original Report Issue