

Issue Date: 25 February 2022
Revision Date: 16 March 2022

Letter Report No: 104906607SAT-001L R2
Project No: G104906607SAT

Michael Bowie
Mitsubishi Chemical Composites America, Inc.
401 Volvo Pkwy
Chesapeake, VA 23320-4611
USA

Phone: 800-422-7270
Email: Michael.Bowie@m-chem.com

Subject: This letter report is to be used as a synopsis for the results reported in Intertek Report No. 104906607SAT-001 for Mitsubishi Chemical Composites America, Inc.'s CAN/ULC S134 Exterior wall assembly containing 4mm Alpolic FR ACM Panels

Mr. Bowie,

This evaluation was authorized under Intertek Quote Number Qu-01228257-2 dated 30 November 2021.

Test Assembly:

The Mitsubishi Chemical Composites America, Inc. ACM Panel attached to CLADCO C2000 system, AVB, 18 GA, L-girts, Z-girts, and U-girts, and insulation.

AVB - Henry® BlueskinVP®160 installed vertically.

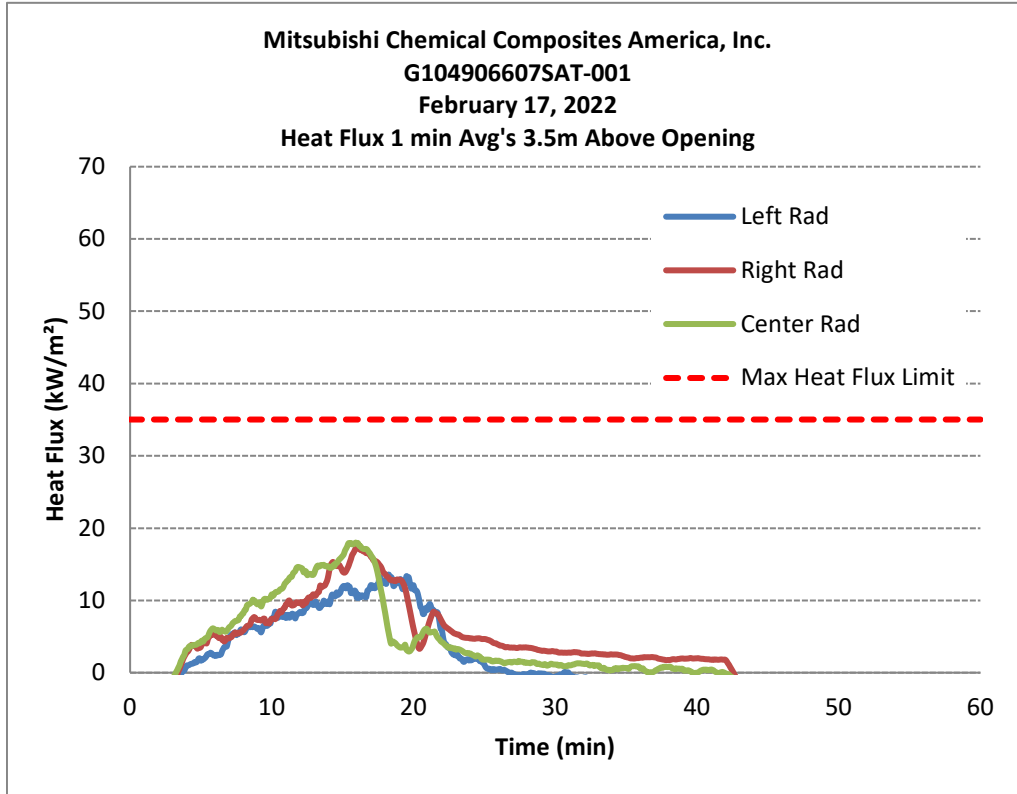
Girts – 18 GA, galvanized steel: U-girt at the lowest part of the wall, Z-Girts installed horizontally and U-girts installed at the header of the window opening and at the top section of wall. Secured with 3/16 × 1-3/4 concrete fasteners spaced 16-in. oc.

Insulation – 2 × 24 × 36 in. Semi-Rigid Rockwool CavityRock Insulation.

Panels – 4 mm ALPOLIC FR ACM panels.

The Mitsubishi Chemical Composites America, Inc., assembly with 4-mm ALPOLIC FR ACM panels attached to CLADCO C2000 system **met** the conditions of acceptance outlined in **CAN/ULC-S134, Standard Method of Fire Test of Exterior Wall Assemblies, 2nd Edition, dated August 2013 (R2018)**.









If you have any questions or comments, please contact our office at 210-635-8100, or the undersigned.

INTERTEK TESTING SERVICES NA INC.

Completed by:	Abel de Hoyos Senior Project Manager, Fire Resistance	Reviewed by:	Mike Dey
Title:		Title:	Senior Project Engineer
Signature:		Signature:	
Date:	20 February 2022	Date:	24-February 2022

Attachments: Construction Drawings

cc: None



PROJECT																									
S134 TEST MOCK UP																									
4/11/21																									
<table border="1"> <thead> <tr> <th colspan="2">ISSUES / REVISIONS</th> </tr> <tr> <th>REV</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CONSTRUCTION</td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td></td> </tr> <tr> <td>6</td> <td></td> </tr> <tr> <td>7</td> <td></td> </tr> <tr> <td>8</td> <td></td> </tr> <tr> <td>9</td> <td></td> </tr> <tr> <td>10</td> <td></td> </tr> </tbody> </table>		ISSUES / REVISIONS		REV	DESCRIPTION	1	CONSTRUCTION	2		3		4		5		6		7		8		9		10	
ISSUES / REVISIONS																									
REV	DESCRIPTION																								
1	CONSTRUCTION																								
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
PANEL FABRICATOR: 																									
ARCHITECT:																									
CUST. OR. NO.:																									
JOB NAME: S134 TEST MOCKUP																									
DRAWING NAME: TITLE PAGE																									
JOB NO. / 00133																									
DRAWING / (REV)																									
REV. / N/A																									
SHEET NO. T1																									





<p>TYPICAL HORIZONTAL/VERTICAL JOINT DETAIL</p> <p>INSTALLATION WITH THE CUT SPACING TO 2X O.C. MAX WITH LOCATION ON REINFORCEMENT POSITIONING TO 50% MAX</p> <p>CONTENTS:</p> <ul style="list-style-type: none"> 11 - TITLE PAGE 12 - INLET HOLES F - FASTENERS 21 - 2 PANELS 9 - 12x18x25 	<p>GENERAL NOTES:</p> <ol style="list-style-type: none"> 1. 2X PANEL SPACING 2. 2X PANEL SPACING 3. 2X PANEL SPACING 4. 2X PANEL SPACING 5. 2X PANEL SPACING 6. 2X PANEL SPACING 7. 2X PANEL SPACING 8. 2X PANEL SPACING 9. 2X PANEL SPACING 10. 2X PANEL SPACING <p>ABBREVIATIONS:</p> <ul style="list-style-type: none"> F - FASTENERS 12 - INLET HOLES F - FASTENERS 21 - 2 PANELS 9 - 12x18x25 <p>DRAWING NOTES:</p> <ol style="list-style-type: none"> 1. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 2. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 3. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND THE ARCHITECT. 4. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 5. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 6. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 7. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 8. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 9. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 10. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 	<p>PANEL SUPPLIER:</p> <p>FASTENERS:</p> <p>DESIGN CRITERIA:</p> <p>FOR CONSTRUCTION</p>	<p>ISSUES / REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CONSTRUCTION</td> <td>1/11/2022</td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	1	CONSTRUCTION	1/11/2022	2			3			4			5			6			7			8			9			10			<p>GENERAL NOTES:</p> <ol style="list-style-type: none"> 1. 2X PANEL SPACING 2. 2X PANEL SPACING 3. 2X PANEL SPACING 4. 2X PANEL SPACING 5. 2X PANEL SPACING 6. 2X PANEL SPACING 7. 2X PANEL SPACING 8. 2X PANEL SPACING 9. 2X PANEL SPACING 10. 2X PANEL SPACING <p>ABBREVIATIONS:</p> <ul style="list-style-type: none"> F - FASTENERS 12 - INLET HOLES F - FASTENERS 21 - 2 PANELS 9 - 12x18x25 <p>DRAWING NOTES:</p> <ol style="list-style-type: none"> 1. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 2. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 3. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND THE ARCHITECT. 4. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 5. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 6. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 7. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 8. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 9. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 10. THIS DRAWING IS THE PROPERTY OF MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. 																																	
NO.	DESCRIPTION	DATE																																																																				
1	CONSTRUCTION	1/11/2022																																																																				
2																																																																						
3																																																																						
4																																																																						
5																																																																						
6																																																																						
7																																																																						
8																																																																						
9																																																																						
10																																																																						
<p>COLOUR LEGEND</p> <p>(IM) COLOUR TEST - 27 PLUS</p>	<p>FOR CONSTRUCTION</p>	<p>FOR CONSTRUCTION</p>	<p>FOR CONSTRUCTION</p>	<p>FOR CONSTRUCTION</p>																																																																		
<p>DRAWING NAME NOTE PAGE</p> <p>DATE: 09/23</p> <p>DRAWN BY: (BIC)</p> <p>REV. F: N/A</p> <p>SHEET NO: T2</p>	<p>JOB NAME: SITE TEST MOCKUP</p> <p>CUSTOMER:</p> <p>ARCHITECT:</p>	<p>PANEL FABRICATOR:</p>	<p>ISSUES / REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CONSTRUCTION</td> <td>1/11/2022</td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	1	CONSTRUCTION	1/11/2022	2			3			4			5			6			7			8			9			10			<p>ISSUES / REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CONSTRUCTION</td> <td>1/11/2022</td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	1	CONSTRUCTION	1/11/2022	2			3			4			5			6			7			8			9			10		
NO.	DESCRIPTION	DATE																																																																				
1	CONSTRUCTION	1/11/2022																																																																				
2																																																																						
3																																																																						
4																																																																						
5																																																																						
6																																																																						
7																																																																						
8																																																																						
9																																																																						
10																																																																						
NO.	DESCRIPTION	DATE																																																																				
1	CONSTRUCTION	1/11/2022																																																																				
2																																																																						
3																																																																						
4																																																																						
5																																																																						
6																																																																						
7																																																																						
8																																																																						
9																																																																						
10																																																																						



