



工程指示 / 要求簡箋(E.I.)

工程指示編號：EI / 0814 / 19

修改版次：B

工程編號：J - 837

工程名稱：觀塘裕民坊

工程項目：上廠跟進事項(2019年10月份)

收件人：生統/永林/王良/小羅

發件人：Eric Liu

日期：12/11/2019

□要求提供 / □確認 事項：

- | | | |
|------------------------------------|-------------------------------------|-------------------------------|
| <input type="checkbox"/> 初步鋁料 B.M. | <input type="checkbox"/> 加工拆圖，然後生產 | <input type="checkbox"/> 尺寸表 |
| <input type="checkbox"/> 正式鋁料 B.M. | <input type="checkbox"/> 技術上資料 / 指示 | <input type="checkbox"/> 報價 |
| <input type="checkbox"/> 配件 B.M. | <input type="checkbox"/> 樣辦或貨品說明書 | <input type="checkbox"/> 分判合約 |
| <input type="checkbox"/> 其他：_____ | | |

內容：

附上顧問上廠後報告，請跟進報告內要求改善事項

1) 確保膠條頭尾各有額外 20mm 長

2) 打膠房門必須保持關閉，保持房內溫度、濕度，以及避免有灰塵入房，影響打膠效果
建議增加門鼓，以防忘記關門

謝謝！

請在 2019/ 11/ 14 前完成上列要求。

附：11 頁+12 頁

以上項目為：

- | | | |
|---------------------------------|--------------------------------------|--------------------------------|
| <input type="checkbox"/> 原合約工程包 | <input type="checkbox"/> 原合約工程加 / 減賬 | <input type="checkbox"/> 新工程報價 |
|---------------------------------|--------------------------------------|--------------------------------|

原因：-

分發東莞各部門：

- | | | | |
|---|--|-----------------------------------|--|
| <input type="checkbox"/> 生產技術總監 □連附件 | <input checked="" type="checkbox"/> 技術部 <input checked="" type="checkbox"/> 連附件 <i>永林</i> | <input type="checkbox"/> 生產部 □連附件 | <input type="checkbox"/> 機械設計部 □連附件 |
| <input type="checkbox"/> 採購部 □連附件 | <input checked="" type="checkbox"/> 生產統籌部 <input checked="" type="checkbox"/> 連附件 <i>梅</i> | <input type="checkbox"/> 會計部 □連附件 | <input type="checkbox"/> 報關組 □連附件 |
| <input checked="" type="checkbox"/> 質檢部 <input checked="" type="checkbox"/> 連附件 | <input type="checkbox"/> 會計部 □連附件 | <input type="checkbox"/> 報關組 □連附件 | <input type="checkbox"/> 其他 <u>楊榮輝</u> <input checked="" type="checkbox"/> 連附件 |

分發其他分判：

- | |
|-----------------------------------|
| <input type="checkbox"/> 王禮秋 □連附件 |
|-----------------------------------|

分發香港各部門：

- | | | | |
|-----------------------------------|------------------------------------|-----------------------------------|--|
| <input type="checkbox"/> 行政部 □連附件 | <input type="checkbox"/> 會計部 □連附件 | <input type="checkbox"/> 統籌部 □連附件 | <input type="checkbox"/> 工程部地盤科文 □連附件 |
| <input type="checkbox"/> 採購部 □連附件 | <input type="checkbox"/> QS 部 □連附件 | <input type="checkbox"/> 維修部 □連附件 | <input type="checkbox"/> 其他 _____ □連附件 |

傳遞編號：

HK 2318 /19

發件人簽署：

項目經理簽署：

[Signature]

[Signature]

AECOM

URA KWUN TONG
TOWN CENTRE
REDEVELOPMENT AT
NKIL 6514 (AREA 2&3),
KWUN TONG,
KOWLOON

Factory Inspection Report 12

Issue Date: 14th October 2019
Inspection Date: 10th October 2019



Factory Inspection Report for

URA KWUN TONG TOWN CENTRE REDEVELOPMENT AT NKIL 6514 (AREA 2&3), KWUN TONG, KOWLOON

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1.2 General Information	1
2 OBSERVATIONS	2
2.1 Work Status	2
2.2 Photographic Record	2
3 COMMENT, RECOMMENDATIONS AND REMINDERS.....	9
3.1 General	9

1 INTRODUCTION

1.1 Objectives of this Report

AECOM Façade (Part of AECOM Asia Company Limited) were engaged by Sino Land Company Limited to provide consultancy services for the external façade of the URA Kwun Tong Town Centre redevelopment at NKIL 6514 (Area 2 & 3), Kwun Tong, Kowloon. AECOM are required to carry out site and factory inspections to record the work status and any defects identified. This report will cover those findings and make recommendations for any remedial work required.

1.2 General Information

Site Location:	URA KWUN TONG TOWN CENTRE REDEVELOPMENT AT NKIL 6514 (AREA 2&3), KWUN TONG, KOWLOON
Client:	Sino Land Company Limited
Architect:	Wong Tung & Partners Limited
Façade Consultant:	AECOM Façade (ACF)
Main Contractor:	CR Construction Company Limited
Façade Contractor:	MIDI Aluminium Fabricator Ltd.
Inspection Date:	10 th October 2019
Attending Parties:	Mr. Patrick Fung (ACF) Mr. Eric Liu (Midi)
Report By:	Mr. Patrick Fung (ACF)

2 OBSERVATIONS

2.1 Work Status

According to the record provided by Midi, the fabrication progress is as below:

Fabrication of units of 50/F in Tower 1 has started;

Fabrication of units of 55/F in Tower 2 has started;

Fabrication of units of 52/F in Tower 3 has started;

Fabrication of units of 51/F in Tower 5 has started

		Tower	Floor
Curtain Wall (Tower)	Mullion and Transom Extrusion	T1	Up to 50/F
		T2	Up to 55/F
		T3	Up to 52/F
		T5	Up to 51/F

2.2 Photographic Record

The following pages include a photographic record with brief descriptions of observations:

Note:

For *comments and recommendations*, please refer to *Section 3* at the end of this report.

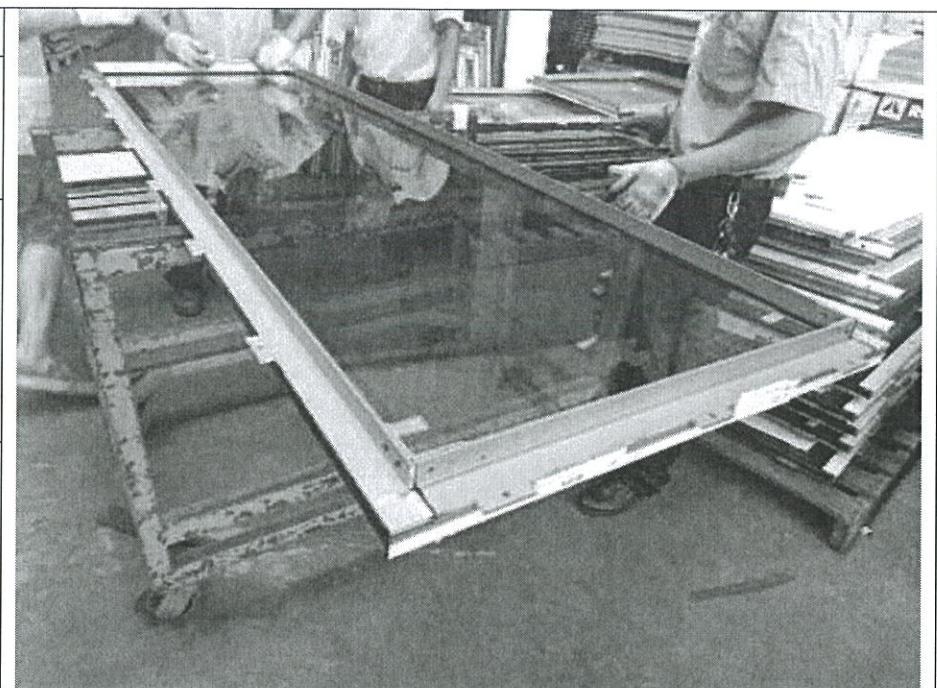
Photo 1	
<u>Item:</u> Structural sealant deglaze test	
<u>Description:</u> Sample ready to have deglaze test observed.	
<u>Action:</u> -	



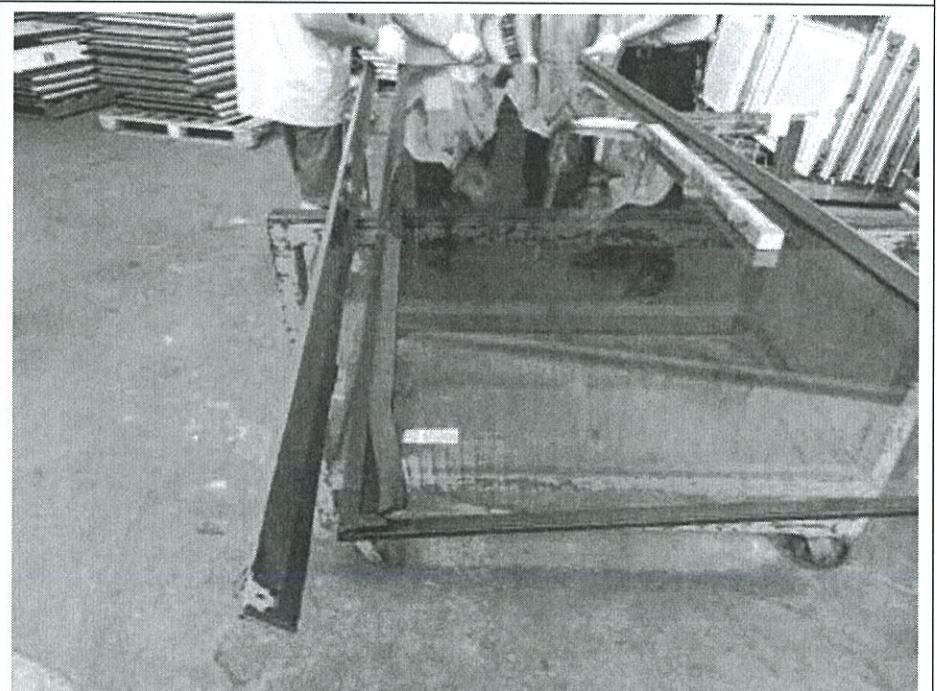
Photo 2	
<u>Item:</u> Structural sealant deglaze test	
<u>Description:</u> Aluminium component dismantled for test.	
<u>Action:</u> -	

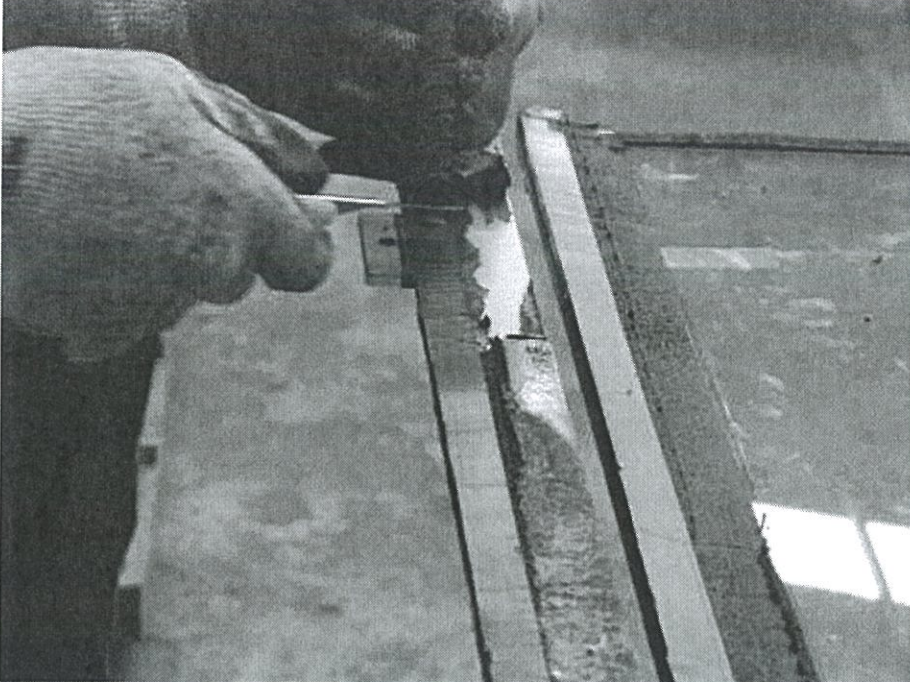
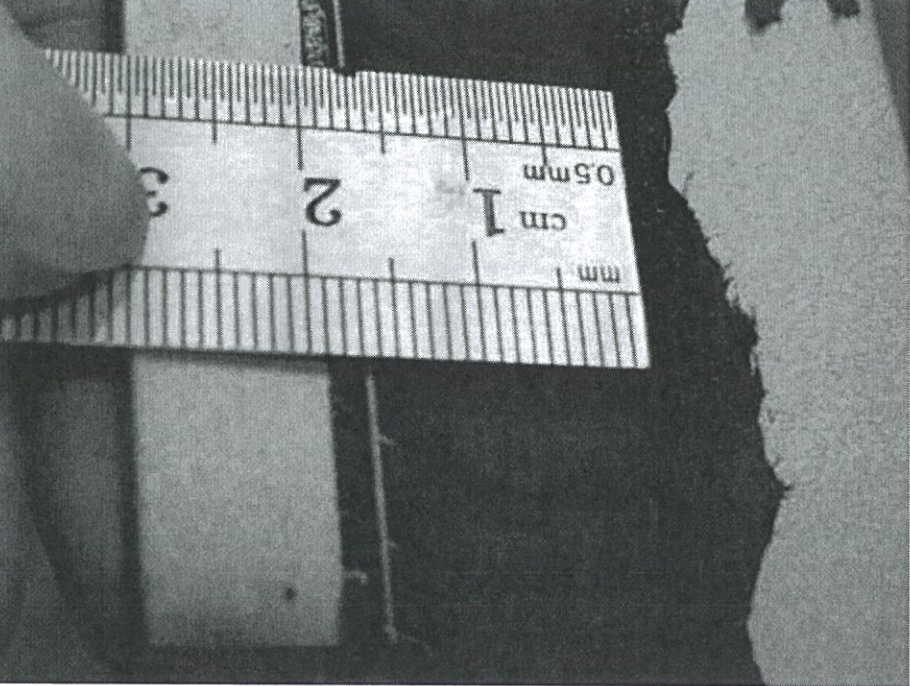
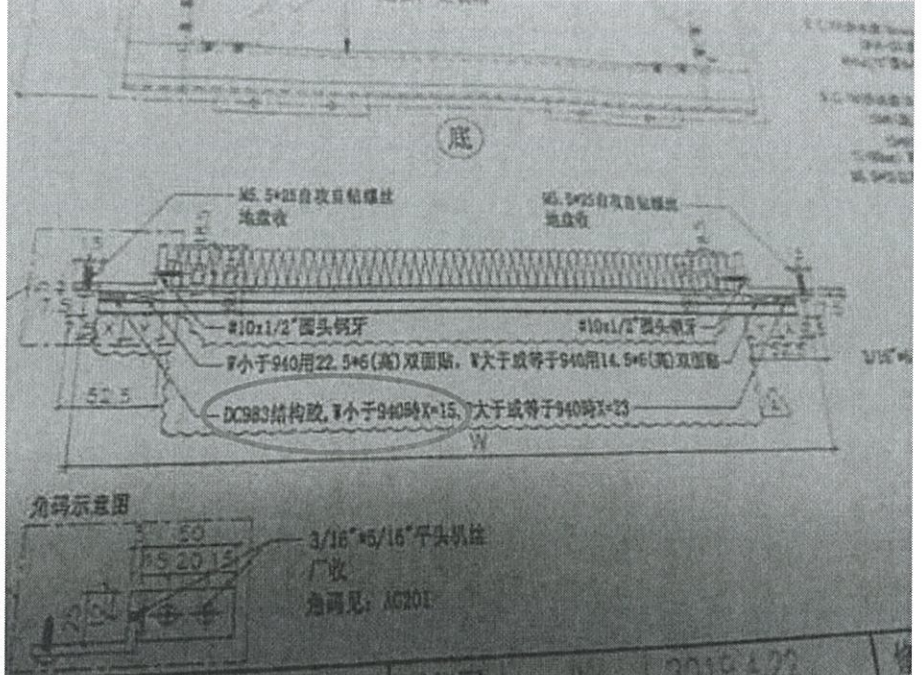
Photo 3	
<u>Item:</u> Structural sealant deglaze test	
<u>Description:</u> Deglazed sealant on aluminium member observed. Test result was satisfactory.	
<u>Action:</u> -	

Photo 4	
<u>Item:</u> Structural sealant deglaze test	
<u>Description:</u> Structural bite was measured and the value fulfilled the requirement (15mm, referred to Photo 5) in accordance with approved shop drawings.	
<u>Action:</u> -	

<p>Photo 5</p> <p><u>Item:</u> Structural sealant deglaze test</p>	
<p><u>Description:</u> As per the requirement, the sealant bite should be 15mm.</p>	
<p><u>Action:</u> -</p>	

<p>Photo 6</p> <p><u>Item:</u> Structural sealant deglaze test</p>	
<p><u>Description:</u> Deglazed sealant on glass pane observed. Test result was satisfactory.</p>	
<p><u>Action:</u> -</p>	

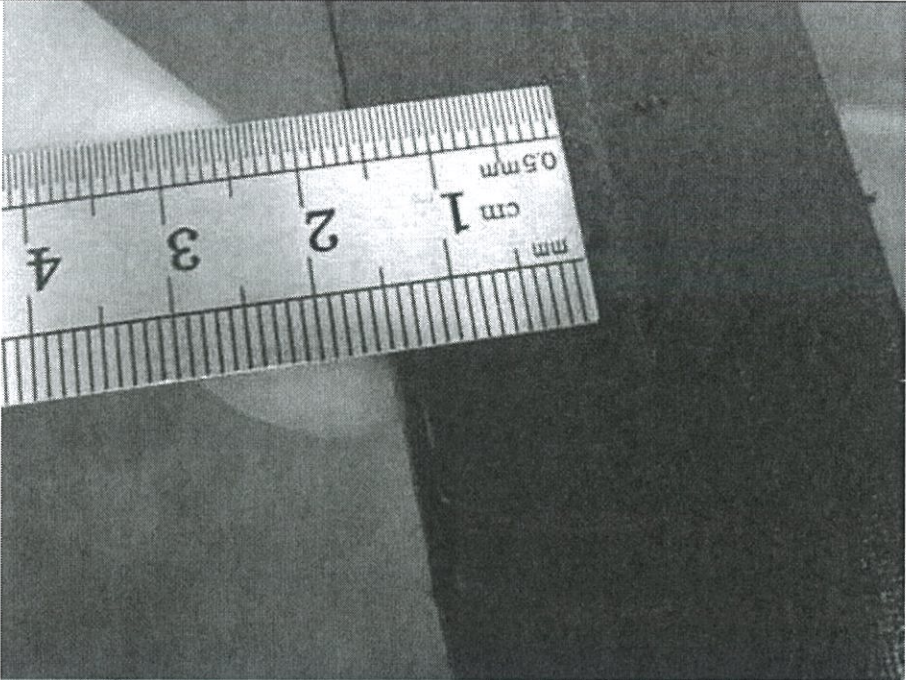
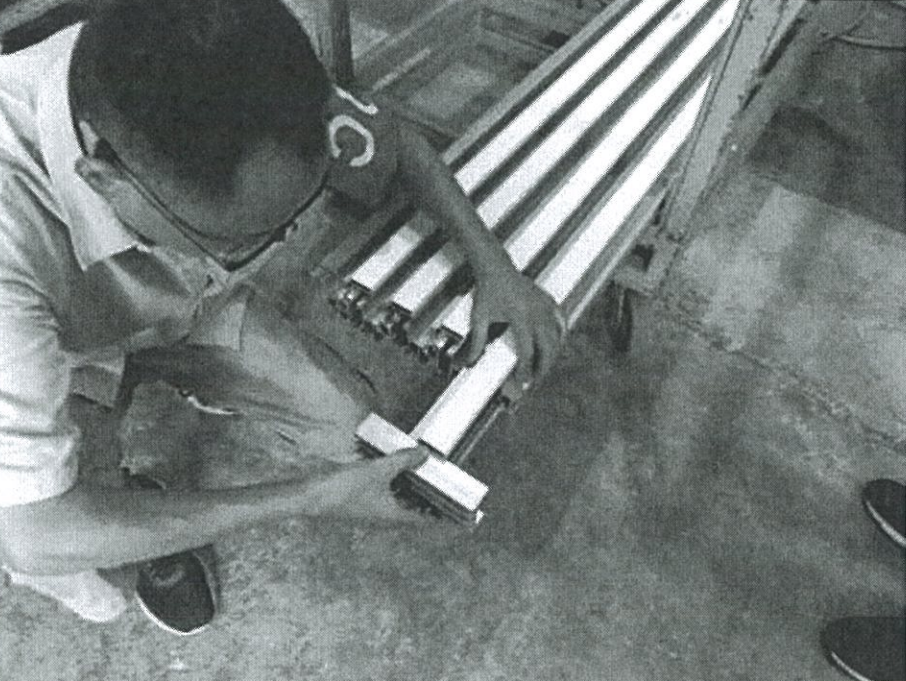

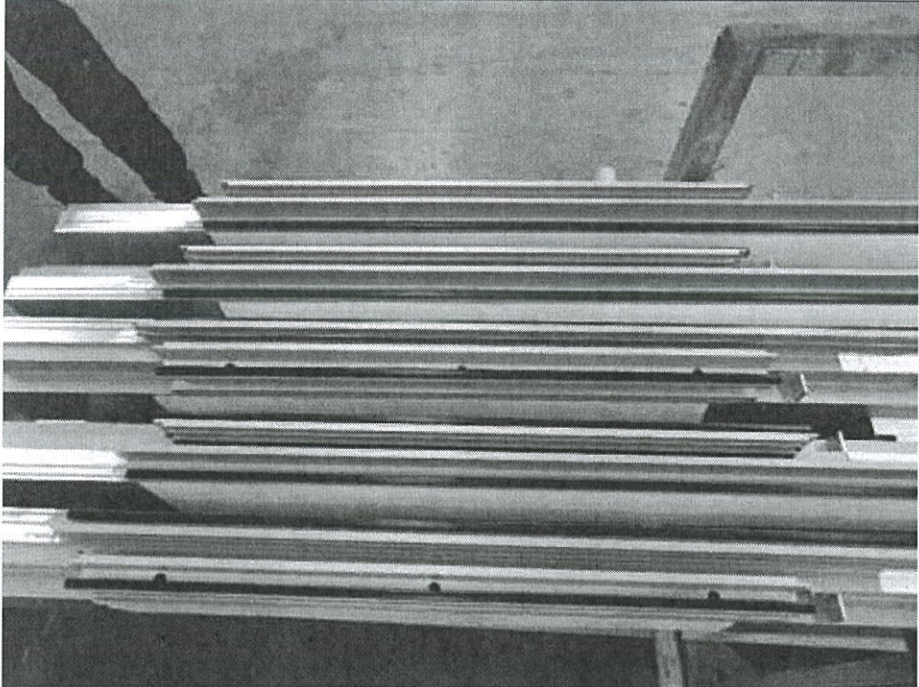
<p>Photo 7</p> <p><u>Item:</u> Structural sealant deglaze test</p> <p><u>Description:</u> Structural bite was measured and the value fulfilled the requirement (15mm) in accordance with approved shop drawings.</p> <p><u>Action:</u> -</p>	
<p>Photo 8</p> <p><u>Item:</u> Fabrication condition</p> <p><u>Description:</u> Checking the cut portion with a control component by QC personnel observed.</p> <p><u>Action:</u> -</p>	

Photo 9	
<u>Item:</u> Installation condition	
<u>Description:</u> Glass panels were stacked to allow the sealant to dry in a dangerous way.	
<u>Action:</u> Midi should arrange a more proper way to stack the glass panels.	

① 要增加圍封
避免 搬運撞擊致玻璃爆裂
② 增加固定支撐

Photo 10	
<u>Item:</u> Installation condition	
<u>Description:</u> Sealant applied before installing components with screws observed.	
<u>Reminder:</u> -	

<p>Photo 11</p>	
<p><u>Item:</u> Installation workmanship</p>	
<p><u>Description:</u> Gaskets were found with enough length.</p>	
<p><u>Reminder:</u> Gasket must have extra length, say 20mm, to the relative member.</p>	

不右候 膠條有額外 20mm 長度

<p>Photo 12</p>	
<p><u>Item:</u> Installation environment</p>	
<p><u>Description:</u> The doors of SSG room were found always open, possibly affecting the conditions such as temperature, humidity, and cleanliness. Contamination to the glazing process may appear.</p>	
<p><u>Action:</u> Midi is required to keep the doors closed.</p>	<p>打膠房必須保持長期關門，保持房內溫度、濕度以及避免灰塵入房內，影響打膠效果 建議門加鎖匙，以免忘記關門</p>

3 COMMENT, RECOMMENDATIONS AND REMINDERS

3.1 General

- Midi is required to stack the glass panels in a more proper way to avoid falling and breakage;
- Midi is required to control the conditions of SSG Room under the sealant manufacturer's requirements such as temperature, relative humidity, and keeping doors closed. Contamination to the glazing process may appear with the doors open;
- Midi is reminded that the fabricated materials stored at outdoor temporarily should be delivered as soon as possible, otherwise they should be moved to and stored at indoor or covered area;
- Midi is reminded to apply sealant at **all** screws and screw holes;
- Midi is reminded to seal **all** openings for screw fixings;
- Midi is reminded to drill air holes and weep holes on alum. extrusion;
- Midi is reminded to install the gaskets with enough length in accordance with client's comment;
- Weep holes were observed locating at 2 edges of each of the transoms, Midi is reminded not to seal up the weep hole during their site installation work, in order to keep the effectiveness of the weep holes; otherwise, Midi should concern relocating the weep holes to avoid the risks for the weep holes being sealed up by workers during their site installation works.

AECOM

URA KWUN TONG
TOWN CENTRE
REDEVELOPMENT AT
NKIL 6514 (AREA 2&3),
KWUN TONG,
KOWLOON

Factory Inspection Report 13

Issue Date: 31st October 2019
Inspection Date: 24th October 2019



Factory Inspection Report for

URA KWUN TONG TOWN CENTRE REDEVELOPMENT AT NKIL 6514 (AREA 2&3), KWUN TONG, KOWLOON

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3.1 General	10

1 INTRODUCTION

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1.2 General Information

Site Location:	URA KWUN TONG TOWN CENTRE REDEVELOPMENT AT NKIL 6514 (AREA 2&3), KWUN TONG, KOWLOON
Client:	Sino Land Company Limited
Architect:	Wong Tung & Partners Limited
Façade Consultant:	AECOM Façade (ACF)
Main Contractor:	CR Construction Company Limited
Façade Contractor:	MIDI Aluminium Fabricator Ltd.
Inspection Date:	24 th October 2019
Attending Parties:	Mr. Patrick Fung (ACF) Ms. Doris (Midi)
Report By:	Mr. Patrick Fung (ACF)

2 OBSERVATIONS

2.1 Work Status

According to the record provided by Midi, the fabrication progress is as below:

Fabrication of units of 52/F in Tower 1 has started;

Fabrication of units of 55/F in Tower 2 has started;

Fabrication of units of 52/F in Tower 3 has started;

Fabrication of units of 51/F in Tower 5 has started

		Tower	Floor
Curtain Wall (Tower)	Mullion and Transom Extrusion	T1	Up to 52/F
		T2	Up to 55/F
		T3	Up to 52/F
		T5	Up to 51/F
	Glass cladding	T1, T2, T3, T5	23 to 32/F

2.2 Photographic Record

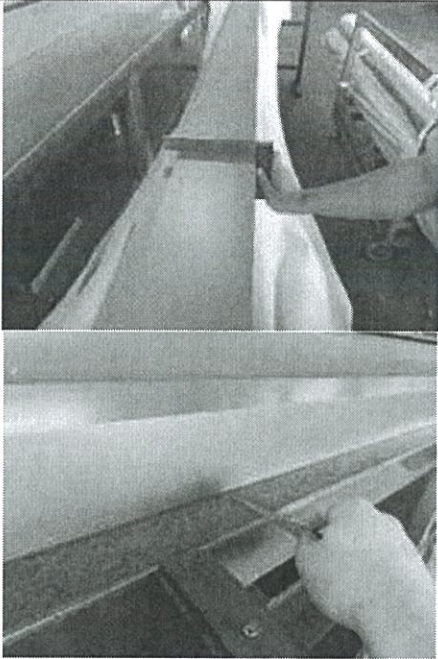
The following pages include a photographic record with brief descriptions of observations:

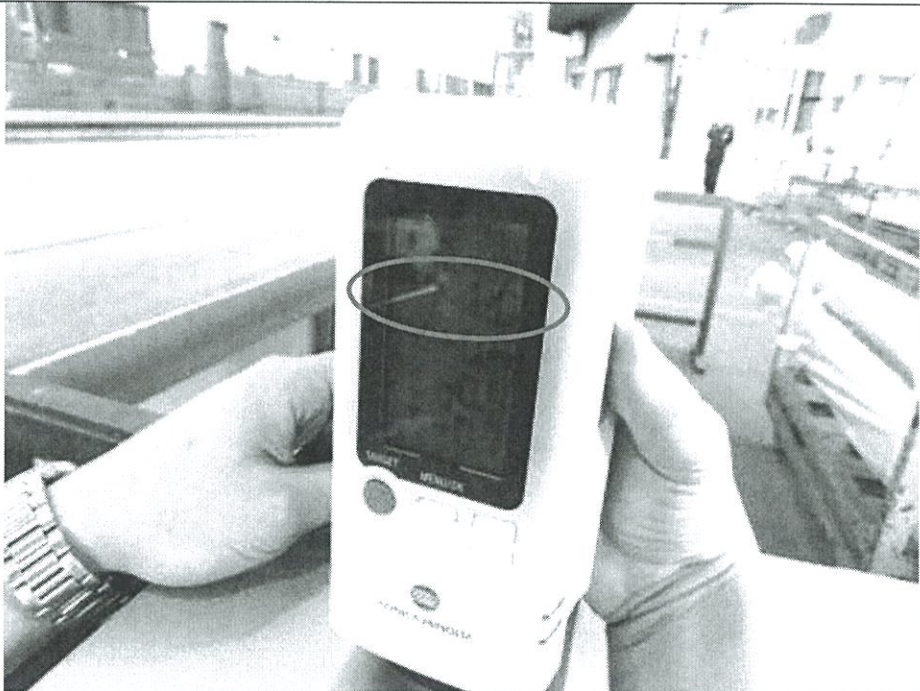
Note:

For *comments and recommendations*, please refer to *Section 3* at the end of this report.

<p>Photo 1</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Coating thickness measurement observed; the measured value was satisfactory (>40 μm).</p>	
<p><u>Action:</u> -</p>	

<p>Photo 2</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Calibration certificate and date of the instrument observed.</p>	
<p><u>Action:</u> -</p>	

<p>Photo 3</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Flatness test was conducted to check the aluminium extrusions observed; results satisfactory.</p>	
<p><u>Action:</u> -</p>	

<p>Photo 4</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Colour checking by calibrated equipment observed, the measured value was within tolerance ($\Delta E < 2$).</p>	
<p><u>Action:</u> -</p>	


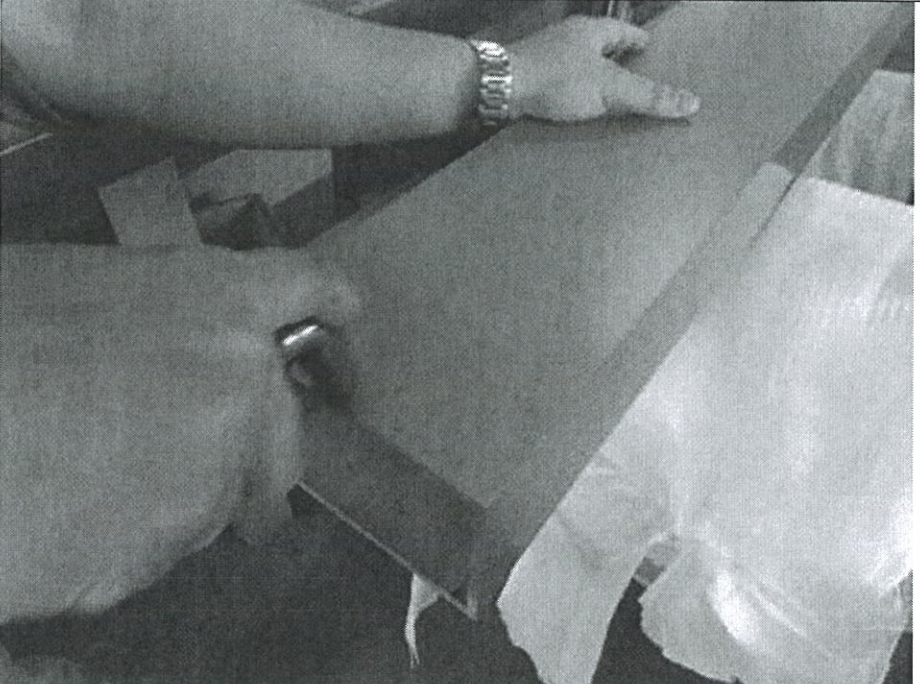
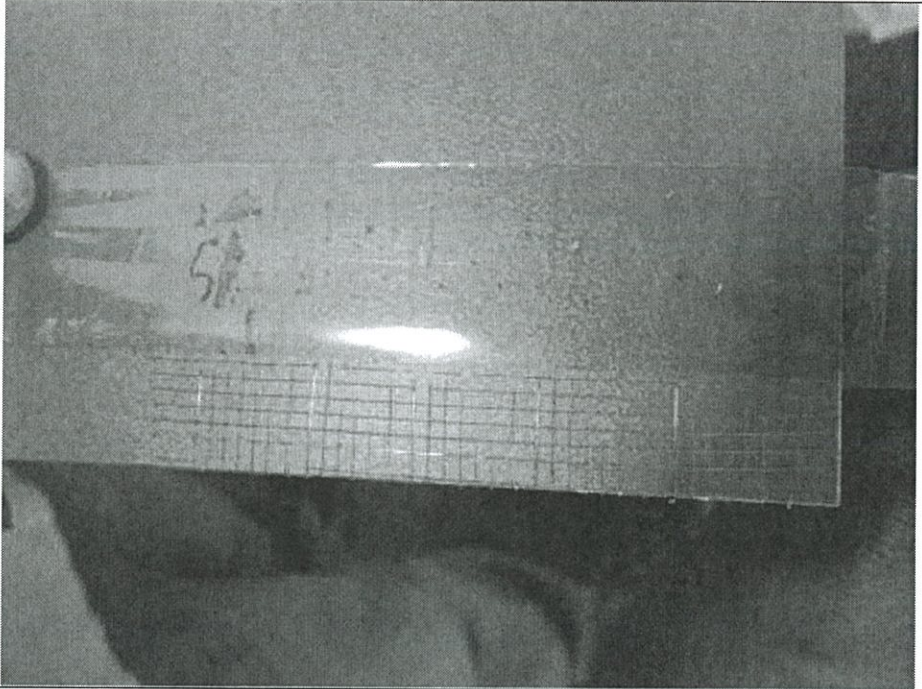
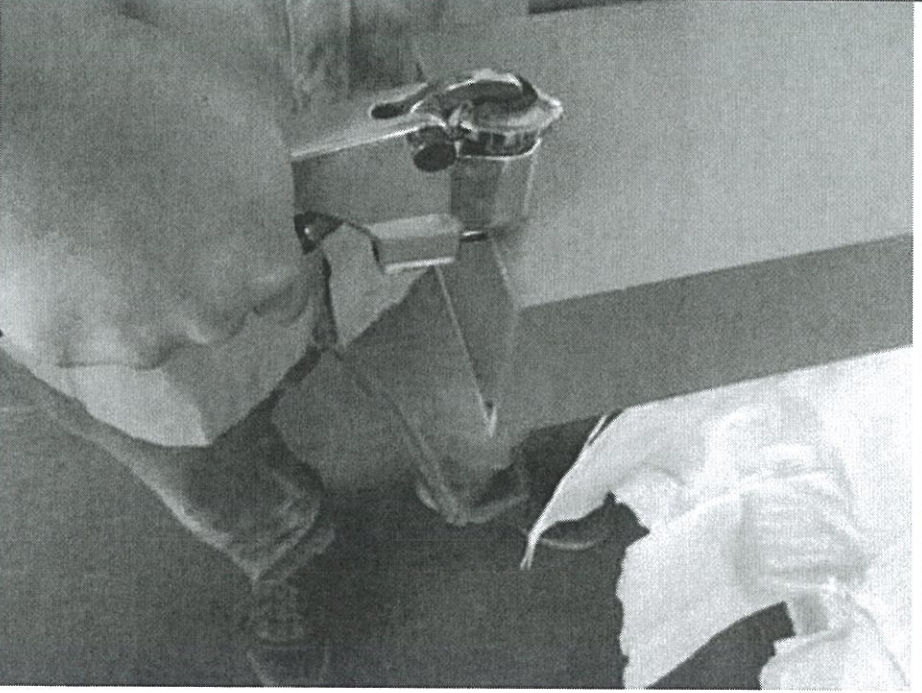
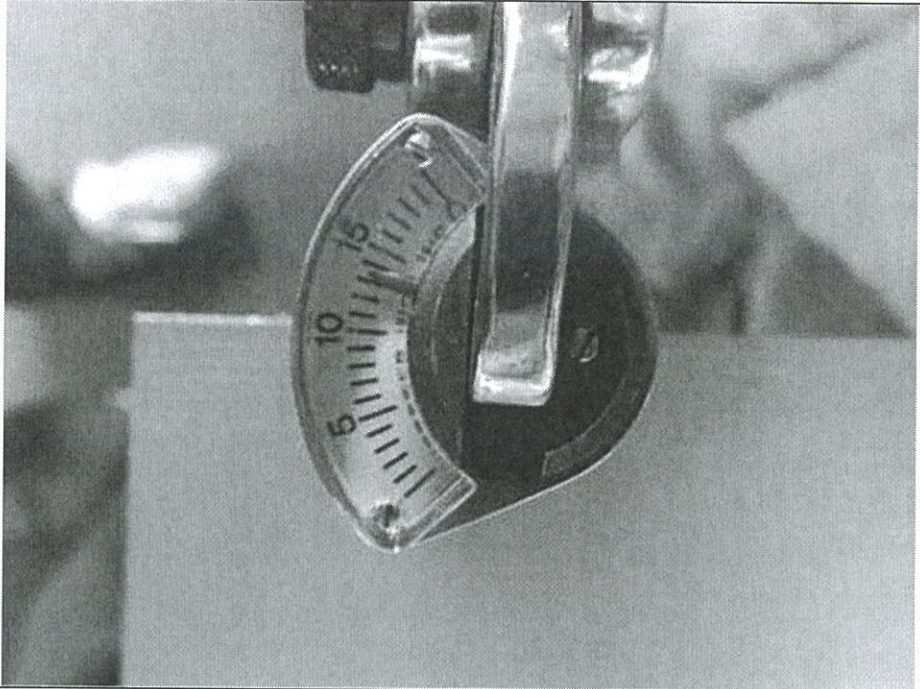
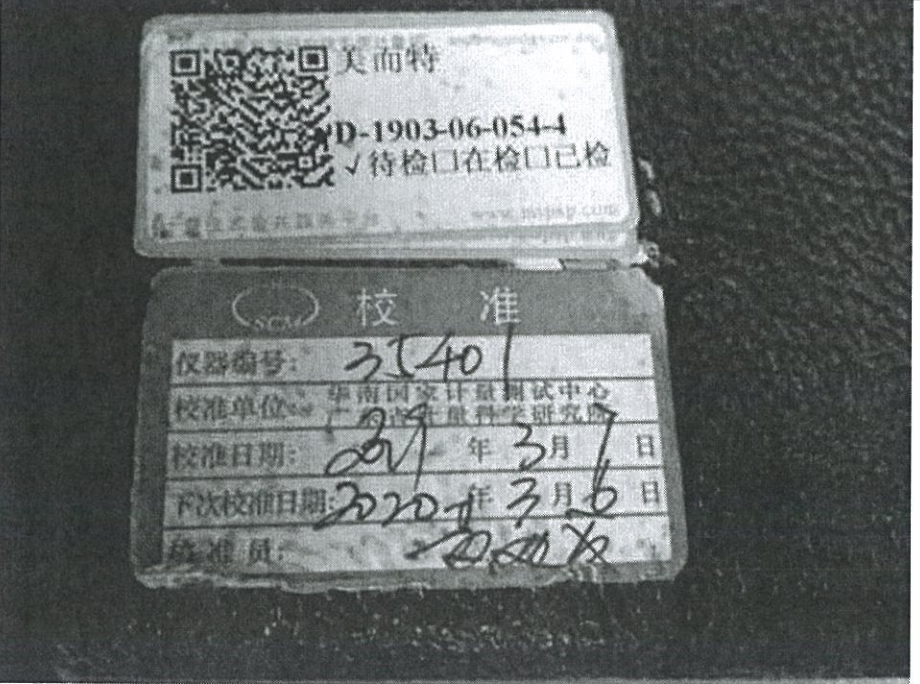
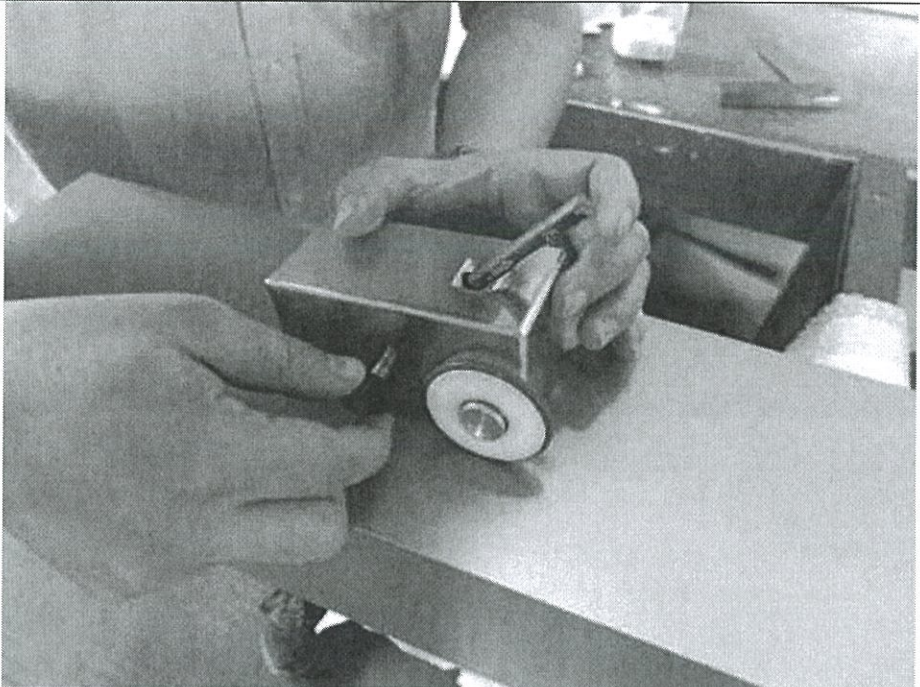
<p>Photo 5</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Calibration certificate and date of the instrument observed.</p>	
<p><u>Action:</u> -</p>	
<p>Photo 6</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Paint adhesion test by cross cutting 1x1mm squares observed.</p>	
<p><u>Action:</u> -</p>	

Photo 7	
<u>Item:</u> Incoming material inspection	
<u>Description:</u> Test area was pasted and pulled out by the adhesive tape; the result was satisfactory.	
<u>Action:</u> -	
Photo 8	
<u>Item:</u> Incoming material inspection	
<u>Description:</u> Extrusion hardness test observed.	
<u>Action:</u> -	

<p>Photo 9</p> <p><u>Item:</u> Incoming material inspection</p> <p><u>Description:</u> The hardness test result was satisfactory (>11).</p> <p><u>Action:</u> -</p>	
<p>Photo 10</p> <p><u>Item:</u> Incoming material inspection</p> <p><u>Description:</u> Calibration certificate and date of the instrument observed.</p> <p><u>Action:</u> -</p>	

<p>Photo 11</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Testing on hardness of coating observed; the result was satisfactory.</p>	
<p><u>Action:</u> -</p>	

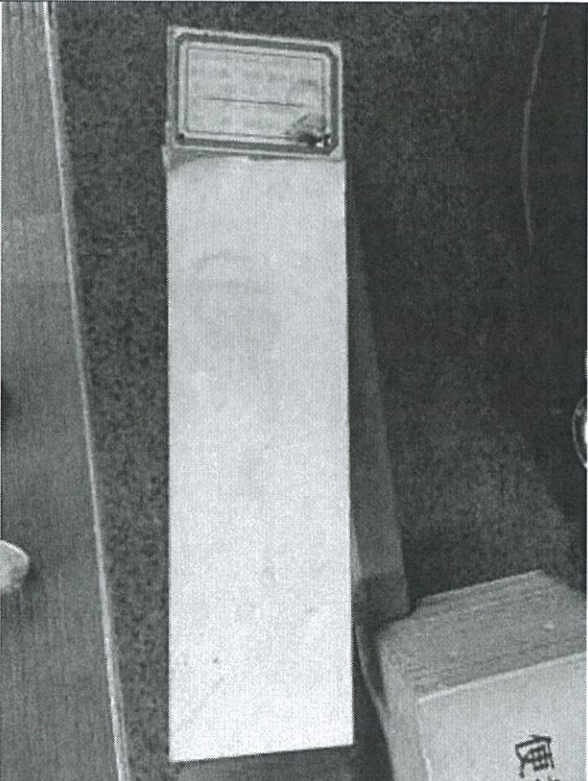

<p>Photo 12</p>	
<p><u>Item:</u> Incoming material inspection</p>	
<p><u>Description:</u> Control sample of aluminium extrusions for colour checking observed.</p>	
<p><u>Action:</u> -</p>	

Photo 13	
<u>Item:</u> Installation environment	
<u>Description:</u> The doors of SSG room were found always open, possibly affecting the conditions such as temperature, humidity, and cleanliness. Contamination to the glazing process may appear.	
<u>Action:</u> Midi is required to keep the doors closed.	

打膠房門必須保持關閉，房內溫度及濕度以及避免灰塵進入房內，影響打膠效果
建議增加門鎖，以防忘記關門

Photo 14	
<u>Item:</u> Product storage	
<u>Description:</u> Storage of completed glass cladding observed.	
<u>Action:</u> -	

3 COMMENT, RECOMMENDATIONS AND REMINDERS

3.1 General

- Midi is required to control the conditions of SSG Room under the sealant manufacturer's requirements such as temperature, relative humidity, and keeping doors closed. Contamination to the glazing process may appear with the doors open;
- Midi is reminded that the fabricated materials stored at outdoor temporarily should be delivered as soon as possible, otherwise they should be moved to and stored at indoor or covered area;
- Midi is reminded to apply sealant at **all** screws and screw holes;
- Midi is reminded to seal **all** openings for screw fixings;
- Midi is reminded to drill air holes and weep holes on alum. extrusion;
- Midi is reminded to install the gaskets with enough length in accordance with client's comment;
- Weep holes were observed locating at 2 edges of each of the transoms, Midi is reminded not to seal up the weep hole during their site installation work, in order to keep the effectiveness of the weep holes; otherwise, Midi should concern relocating the weep holes to avoid the risks for the weep holes being sealed up by workers during their site installation works.