



DOMIS CONSTRUCTION

# FACADE QUALITY CONTROL MANAGEMENT PLAN

VICTORIA HOUSE

---

JULY 2022 REV 2



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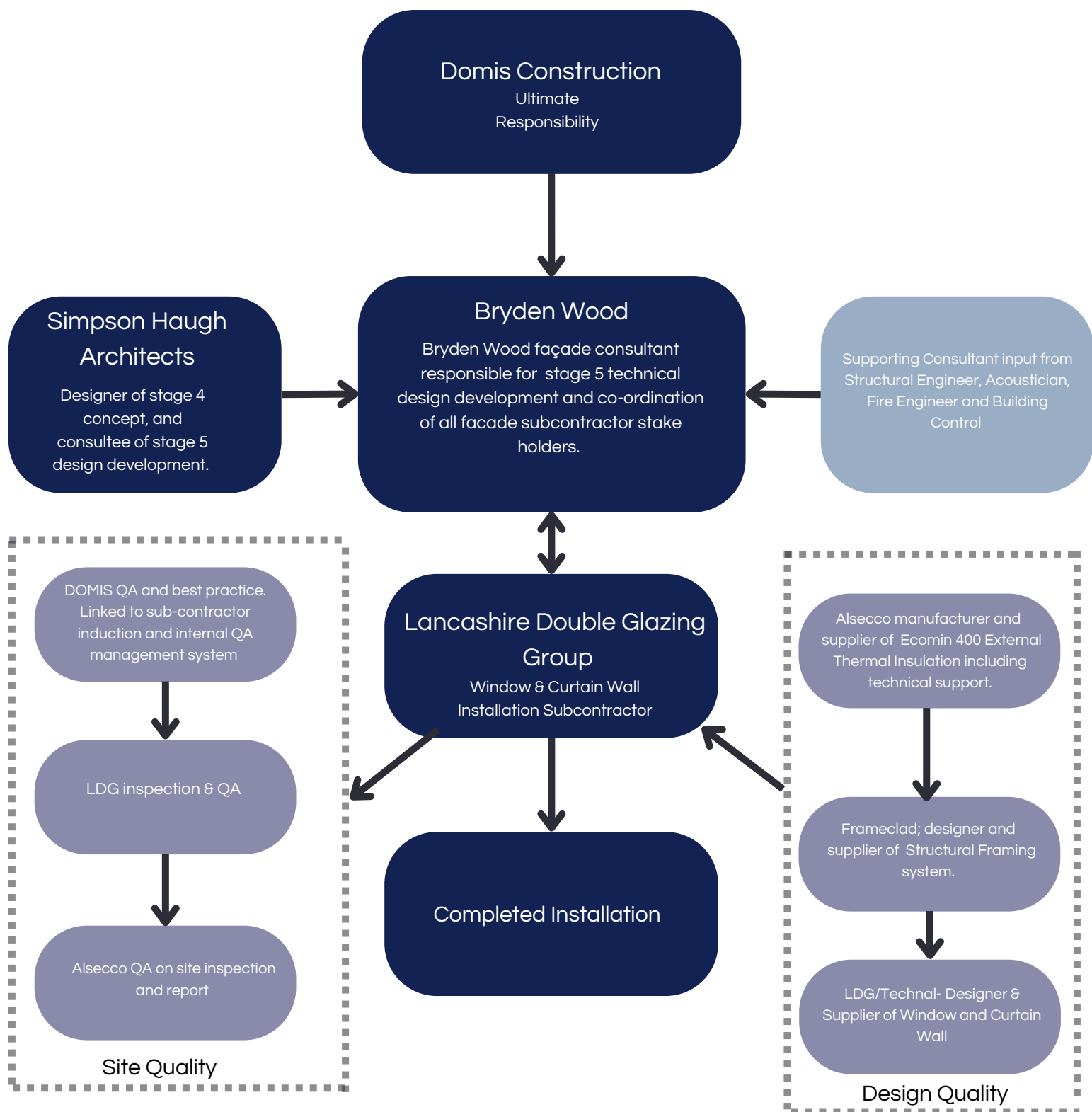
# PLAN SUMMARY

This Quality Control Management Plan has been developed for Victoria House Site Elevation Fabrication Works associated to the use of the Alsecco Ecomin 400 External Thermal Insulation Composite System and the Technal External Glazing System.



# OVERVIEW OF GENERAL PROCESS

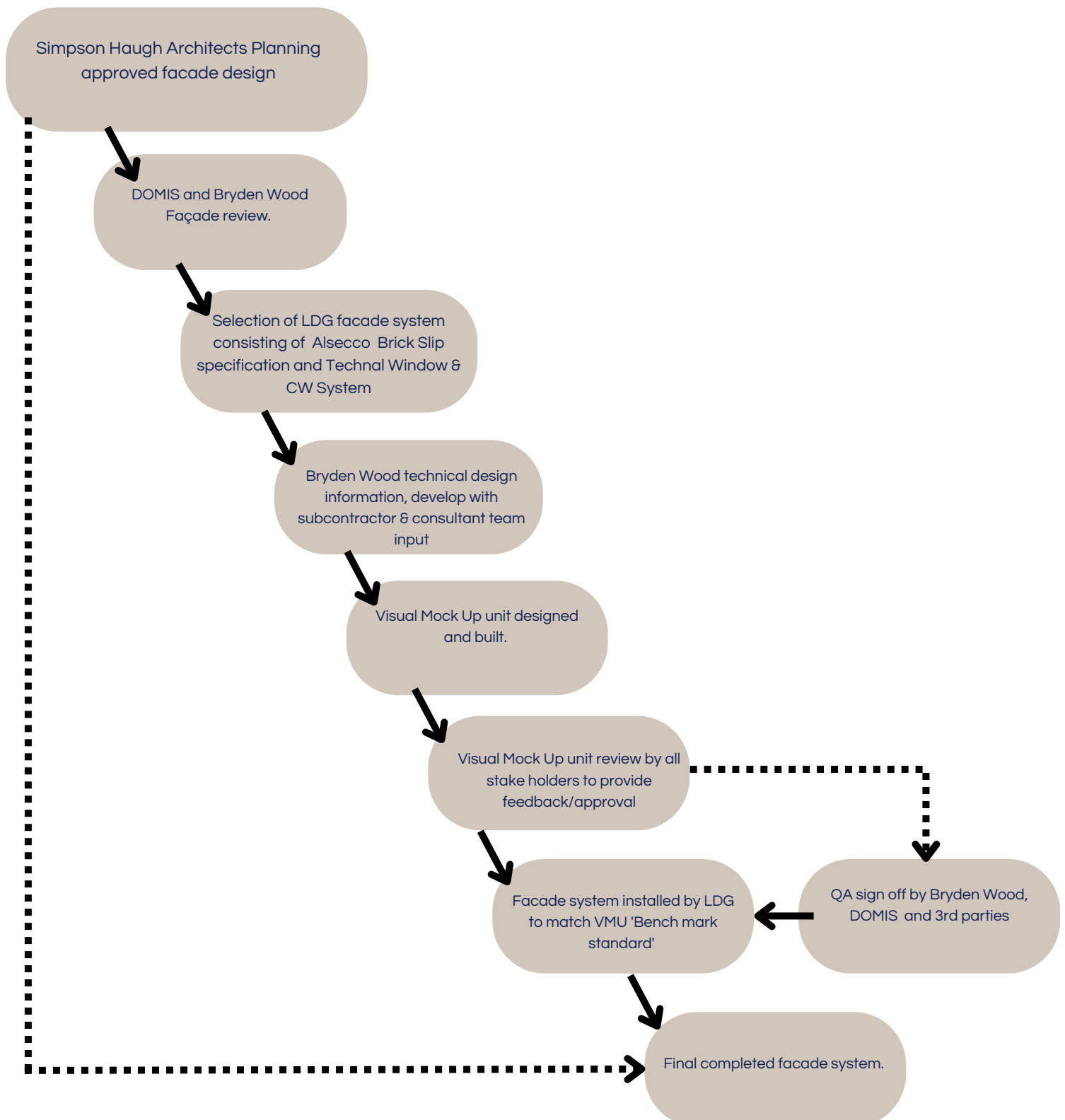
Below is an overview of the design and site quality control process for the brick slip system facade on Victoria House and the parties involved.



# FACADE QUALITY CONTROL PROCESS

Quality Control of the Facade on Victoria House is critical to ensure that the facade is in line with the approved planning design intent, and quality aspirations of all parties. This also provides a facade that can be securely and safely maintained over future years.

A summary of the process from initial design to completion of the final facade is shown below.



# QUALITY CONTROL TRACKER

| Quality Control Process Sign Off |                             |  |  |  |  |  |  |  |  |
|----------------------------------|-----------------------------|--|--|--|--|--|--|--|--|
| Bryden Wood Comments             |                             |  |  |  |  |  |  |  |  |
| Simpson Haugh Comments           |                             |  |  |  |  |  |  |  |  |
| DOMIS Comments                   |                             |  |  |  |  |  |  |  |  |
| LDG & Alsecco Comments           |                             |  |  |  |  |  |  |  |  |
| QC Image                         | To follow after MCC review. |  |  |  |  |  |  |  |  |
| Title                            | VMU                         |  |  |  |  |  |  |  |  |
| Number                           | 1                           |  |  |  |  |  |  |  |  |

# FIELDVIEW QA FORM

Fieldview is as an app on tablets and phones that allows those on site to immediately access drawings and information. It is also used to digitise forms and paperwork to be more environmentally friendly and for better document sharing and control.

The below 'Fieldview QA-Alsecco Brickslips' form will be completed by the Domis Site Management team in order to sign off any completed works, this includes the external wall, window and curtain wall. The form is split into three sections: Insulation, Render Coat and Brick Slips. Each section requires a separate inspection and sign off. This process involves the Domis Site Management team and subcontractor supervisor/manager inspecting the completed works together to ensure all items are installed correctly and to the highest standard. Photos are taken and added to the form as evidence that the inspection has taken place.

In the case that a snag is found, this is added to the form along with photographic evidence. This automatically notifies the subcontractor supervisor/manager that further work is required in this area.

In addition to the Domis on site quality checks using the example Fieldview form below for the wall build up, our subcontractors undertake their own QA procedures. These are presented to Domis for verification and sign off. An example of this procedure is included within Appendix 1 for our window and curtain wall manufacturer and installer, Lancashire Double Glazing Group Ltd (LDG).

LDG have two fundamental QA procedures, off site manufacture and on-site installation.

The Off-site manufacture QA incorporates everything from the initial production paperwork, right through to the install of the fixing brackets and ready to be delivered to site.

On-site installation QA is split into three elements:

- Pre-install checks- The focus of this QA check is mainly on datums and gridlines.
- Pre-glaze Checks- This involves inspecting the frames are line and levelled and checking that the EPDM has been installed correctly.
- Glazing Checks- Inspecting the glazing beads and gaskets as well as ensuring the operation of the window.

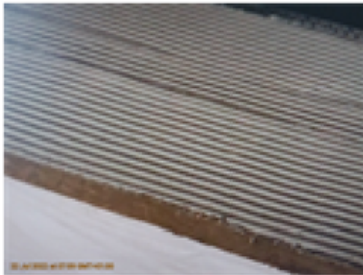
The Domis QA together with the Subcontractor QA ensures that all aspects of quality have been reviewed, agreed and signed off by the relevant parties.

# FIELDVIEW QA FORM

## QA- Alsecco Brick Slip

|                |                                   |
|----------------|-----------------------------------|
| Form Reference | <a href="#">F226281.188</a>       |
| Owned By       | Ged Carter (Domis Property Group) |
| Date           | 22/07/2022 06:56:39               |
| Status         | Completed and signed off          |
| Location       | Victoria House                    |

|               |                           |
|---------------|---------------------------|
| Form Location | Victoria House            |
| Gridlines     | Sample                    |
| Location      | Sample panel in courtyard |

| Insulation |                                                                                                      |                   |                                                                                                                             |                    |
|------------|------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------|
| #          | Check Item                                                                                           | Present & Correct | Photos                                                                                                                      | Photo Location G/L |
| 1          | Is the insulation board in good condition? i.e True corners, dry, no pieces missing. Completely dry. | Yes               |                                                                                                                             |                    |
| 2          | Base track installed correctly, as per best practise document?                                       | Yes               | <br><a href="#">22/07/2022 07:00:43</a> |                    |
| 3          | Has a 10mm x 10mm notch trowel been used to apply the adhesive?                                      | Yes               | <br><a href="#">22/07/2022 06:59:05</a> |                    |

# FIELDVIEW QA FORM

|    |                                                                                                                                               |     |  |     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|--|-----|
| 4  | Has a minimum of 50% adhesive bond been achieved?                                                                                             | Yes |  |     |
| 5  | Have corners been toothed?                                                                                                                    | Yes |  |     |
| 6  | Have boards been cut in an "L" around openings achieving a minimum 200mm cut in all directions (boards installed in horizontal orientation) ? | Yes |  |     |
| 7  | Where "L" cannot be achieved in horizontal orientation have boards been rotated around opening to avoid cuts less than 200mm?                 | N/A |  | N/A |
| 8  | Minimum of 200mm board overlapping bond achieved?                                                                                             | Yes |  |     |
| 9  | Have boards been tamped level and plumb?                                                                                                      | Yes |  |     |
| 10 | Has foam sealing tape been installed under compression between insulation and system interfaces.                                              | Yes |  |     |
| 11 | Any Gaps larger than 10mm must be filled with a tapered slither of insulation.                                                                | Yes |  |     |

Insulation Sign off



Ged Carter (Domis Property Group)

22/07/2022 07:45:55

# FIELDVIEW QA FORM

## RENDER COAT

| #                    | Check Item                                                                                                                         | Present & Correct | Photos                                                                                                                      | Photo Location G/L |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1                    | Is the mesh within the top third of basecoat?                                                                                      | Yes               | <br><a href="#">22/07/2022 07:43:16</a>   |                    |
| 2                    | Has Alsecco Dammflex sealant been used at window/door abutments?                                                                   | Yes               |                                                                                                                             |                    |
| 3                    | Has a minimum of 8 fixings per square meter been installed?                                                                        | Yes               |                                                                                                                             |                    |
| 4                    | Has 1 fire fixing been installed per square meter?                                                                                 | Yes               |                                                                                                                             |                    |
| 5                    | 250mm x 250mm stress patches used where required?                                                                                  | Yes               |                                                                                                                             |                    |
| 6                    | Corner beads installed correctly?                                                                                                  | Yes               | <br><a href="#">22/07/2022 07:43:25</a> |                    |
| 7                    | Has a 300mm x 300mm piece of mesh been used at internal corners?                                                                   | Yes               |                                                                                                                             |                    |
| 8                    | Day joints - The last 100mm of the mesh must be pressed back against the insulation boards, with the excess basecoat being removed | Yes               |                                                                                                                             |                    |
| Render Coat Sign Off |                                                                                                                                    |                   |                                                                                                                             |                    |



Ged Carter (Domis Property Group)

22/07/2022 07:46:01

# FIELDVIEW QA FORM

| Brick Slips |                                                                 |                   |        |                    |
|-------------|-----------------------------------------------------------------|-------------------|--------|--------------------|
| #           | Check Item                                                      | Present & Correct | Photos | Photo Location G/L |
| 1           | Has a 10mm x 10mm notch trowel been used to apply the adhesive? | Yes               |        |                    |
| 2           | Has the bonding mortar been applied to the back of each slip?   | Yes               |        |                    |
| 3           | Are the bed joints and perps 10mm?                              | Yes               |        |                    |
| 4           | Are the bricks line levelled?                                   | Yes               |        |                    |
| 5           | Has half bond been achieved?                                    | Yes               |        |                    |

| #                    | Check Item                                 | Present & Correct | Photos | Photo Location G/L |
|----------------------|--------------------------------------------|-------------------|--------|--------------------|
| 6                    | Brick face clear of any residual adhesive? | Yes               |        |                    |
| Brick Slips Sign Off |                                            |                   |        |                    |



Ged Carter (Domis Property Group)

22/07/2022 07:46:36

Once checks complete change status of form in top right hand corner and make sure you sync your tablet when you return to the project office

# APPENDIX 1 - LDG WINDOW QA FORM

## DOC REF 05a Window Inspection Sheet

| Pre Install QA Checks                                                 | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed Out |
|-----------------------------------------------------------------------|-----------------------------|----------------------------|--------|--------------------|
| Check Grid lines are clearly marked and fit for purpose               |                             |                            |        |                    |
| Datum Levels are clearly marked and fit for purpose                   |                             |                            |        |                    |
| Spot Check aperture's for plumb and level                             |                             |                            |        |                    |
| <b>Hold point</b>                                                     |                             |                            |        |                    |
| Pre Glaze QA checks                                                   | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed out |
| Captive gasket installed and free from damage                         |                             |                            |        |                    |
| Glass support/ Bridging packers are installed and at correct location |                             |                            |        |                    |
| EPDM to perimeter of frame – correctly clipped in at all points       |                             |                            |        |                    |
| Frame installed level and plumb                                       |                             |                            |        |                    |
| Frame installed as per drawing detail and to Grid and Datum Lines     |                             |                            |        |                    |
| Frame installed free from damages, scratches and marks                |                             |                            |        |                    |
| EPDM adhered to CP board to provide weather seal                      |                             |                            |        |                    |
| Trickle Vent installed free from damage, scratches and marks          |                             |                            |        |                    |
| Drainage slots and drainage chambers clear free from debris           |                             |                            |        |                    |
| <b>Hold point</b>                                                     |                             |                            |        |                    |
| Glazing QA checks                                                     | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed out |
| Glass and panel orientation correct                                   |                             |                            |        |                    |

# APPENDIX - LDG WINDOW QA FORM

**DOC REF 05a Window Inspection Sheet**

|                                                                                                                                                              |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Glass and panel installed free from damage, marks and scratches                                                                                              |  |  |  |  |
| Glazing beads installed free from damage, marks and scratches                                                                                                |  |  |  |  |
| Glazing wedge gasket installed free from nips                                                                                                                |  |  |  |  |
| Window operation                                                                                                                                             |  |  |  |  |
| Shroud installation including perforated panel – installed plum to datum levels, free from damage and fixed at correct points in accordance with CI drawings |  |  |  |  |
| Hold Point                                                                                                                                                   |  |  |  |  |
| Handover to EWC                                                                                                                                              |  |  |  |  |
| Sign off                                                                                                                                                     |  |  |  |  |
| Glass protection film applied externally and internally to cover glass and low tact tape in situ to protect frames                                           |  |  |  |  |

**Project Name: 1880 – MLDC - Flour**

**Project Number: 108506**

**Window Reference(s)** .....

**Window Location(s)** .....

**DOC REF 05a Window Inspection Sheet**

**Sign on behalf of EWC**

**Sign on behalf of LDG Contracts**

.....

.....

**Date** .....

**Date** .....



# APPENDIX 1 - LDG CURTAIN WALLING QA FORM

## DOC REF 05b Curtain Walling Inspection Sheet

| Pre Install QA Checks                                              | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed Out |
|--------------------------------------------------------------------|-----------------------------|----------------------------|--------|--------------------|
| Check Grid lines are clearly marked and fit for purpose            |                             |                            |        |                    |
| Datum Levels are clearly marked and fit for purpose                |                             |                            |        |                    |
| Spot Check aperture's for plumb and level                          |                             |                            |        |                    |
| Drawings supplied are Construction Issue                           |                             |                            |        |                    |
| <b>Hold Point</b>                                                  |                             |                            |        |                    |
| Pre Glaze QA checks                                                | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed out |
| All brackets and Fixings are installed as per LDG drawings         |                             |                            |        |                    |
| All fixings are tightened to the correct torque settings           |                             |                            |        |                    |
| Frame installed as per drawing detail and to Grid and Datum Lines  |                             |                            |        |                    |
| Frame installed free from damages, scratches and marks             |                             |                            |        |                    |
| EPDM installed and as per LDG detail and fully bonded to structure |                             |                            |        |                    |
| Transom screws installed to correct torque settings                |                             |                            |        |                    |
| Gaskets are mastic sealed in place to Transom and Mullion ends     |                             |                            |        |                    |
| Glass location supports/ blocks installed and in correct location  |                             |                            |        |                    |
| Balancer flashings are installed as per LDG detail                 |                             |                            |        |                    |
| Mastic seal is applied from frame to structure                     |                             |                            |        |                    |
| <b>Hold Point</b>                                                  |                             |                            |        |                    |

# APPENDIX 1- LDG CURTAIN WALLING QA FORM

| Glazing QA checks                                                                                                  | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed out |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|--------|--------------------|
| Glass orientation correct                                                                                          |                             |                            |        |                    |
| Glass installed free from damage, marks and scratches                                                              |                             |                            |        |                    |
| Pressure Plate screws installed to correct torque                                                                  |                             |                            |        |                    |
| Gaskets are checked for twist and are not nipped                                                                   |                             |                            |        |                    |
| Capping's are installed and fully clamped to the pressure plate housing                                            |                             |                            |        |                    |
| Hold Point                                                                                                         |                             |                            |        |                    |
| Handover to Explore                                                                                                |                             |                            |        |                    |
| Sign Off                                                                                                           |                             |                            |        |                    |
| Glass protection film applied externally and internally to cover glass and low tack tape in situ to protect frames |                             |                            |        |                    |

Project Name: 1880 – MLDC - Flour

Project Number: 108506

Curtain Walling Reference(s) .....

Curtain Walling Location(s) .....

Sign on behalf of LDG Contracts

.....

Date.....

Sign on behalf of Main Contractors

.....

Date .....



# APPENDIX 1 - LDG DOOR QA FORM

**DOC REF 05c Door Inspection Sheet**

| Pre Install<br>QA Checks                                                                    | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed Out |
|---------------------------------------------------------------------------------------------|-----------------------------|----------------------------|--------|--------------------|
| Check Grid lines are clearly marked and fit for purpose                                     |                             |                            |        |                    |
| Datum Levels are clearly marked and fit for purpose                                         |                             |                            |        |                    |
| Spot Check aperture's for plumb and level                                                   |                             |                            |        |                    |
| Hold point                                                                                  |                             |                            |        |                    |
| Pre Glaze QA checks                                                                         | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed out |
| Door Outer frame installed plumb and level as per detailed Construction issued drawings     |                             |                            |        |                    |
| Threshold is correctly packed and fixed down                                                |                             |                            |        |                    |
| Door leaf's are located correctly on Floor pin at bottom on threshold                       |                             |                            |        |                    |
| Door leaf's are clamped tight and all screws are present and nipped up with the clamp block |                             |                            |        |                    |
| Check EPDM is adhered to frame and structure as drawing detail if applicable                |                             |                            |        |                    |
| Frame and door leaf's installed free from damages, scratches and marks                      |                             |                            |        |                    |
| Check all draft seals are installed and secure in channels                                  |                             |                            |        |                    |
| Captive gaskets are installed to door leaf's                                                |                             |                            |        |                    |
| Drainage slots and drainage chambers clear free from debris                                 |                             |                            |        |                    |
|                                                                                             |                             |                            |        |                    |
|                                                                                             |                             |                            |        |                    |
|                                                                                             |                             |                            |        |                    |
|                                                                                             |                             |                            |        |                    |

# APPENDIX 1 - LDG DOOR QA FORM

**DOC REF 05c Door Inspection Sheet**

| Hold Point                                                                                                                     |                             |                            |        |                    |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|--------|--------------------|
| Glazing QA checks                                                                                                              | LDG<br>Pass (P)<br>Fail (F) | MC<br>Pass (P)<br>Fail (F) | Defect | Date<br>Closed out |
| Glass Packers are installed<br>and in correct location                                                                         |                             |                            |        |                    |
| Glass and panel<br>orientation correct                                                                                         |                             |                            |        |                    |
| Glass and panel installed<br>free from damage, marks<br>and scratches                                                          |                             |                            |        |                    |
| Glazing beads installed<br>free from damage, marks<br>and scratches                                                            |                             |                            |        |                    |
| Glazing wedge gasket<br>installed free from nips                                                                               |                             |                            |        |                    |
| Door operation to include<br>handle operation, locks<br>work correctly                                                         |                             |                            |        |                    |
| Door opens and closes free<br>and door speeds are set to<br>correct closing force                                              |                             |                            |        |                    |
| Silicone seal is applied                                                                                                       |                             |                            |        |                    |
| Hold Point                                                                                                                     |                             |                            |        |                    |
| Handover to EWC                                                                                                                |                             |                            |        |                    |
| Sign off                                                                                                                       |                             |                            |        |                    |
| Glass protection film<br>applied externally and<br>internally to cover glass<br>and low tact tape in situ to<br>protect frames |                             |                            |        |                    |

Project Name: 1880 – MLDC - Flour

Project Number: 108506

Door Reference(s) .....

Door Location(s) .....

Sign on behalf of LDG Contracts

.....

Date .....

Sign on behalf of EWC

.....

Date .....

# APPENDIX 1- LDG PROCESSING CHECKLIST

LDG Processing Checklist

| Description                          |                | Manufacture Issue |                        | Fit Date | Production Paperwork | Profiles | Paint Order | Accessories | Hardware | Glass |
|--------------------------------------|----------------|-------------------|------------------------|----------|----------------------|----------|-------------|-------------|----------|-------|
| Phase 1 Curtain Walling & Auto Doors | Material Order | 01                | Task Done (Y / N / NA) |          | -                    | -        | -           | -           | -        | -     |
|                                      | Manufacture    | 01                | Date                   |          |                      |          |             |             |          |       |
|                                      |                |                   | Initials               |          |                      |          |             |             |          |       |
|                                      | Material Order |                   | Task Done (Y / N / NA) |          | -                    | -        | -           | -           | -        | -     |
|                                      | Manufacture    |                   | Date                   |          |                      |          |             |             |          |       |
|                                      |                |                   | Initials               |          |                      |          |             |             |          |       |
|                                      | Material Order |                   | Task Done (Y / N / NA) |          | -                    | -        | -           | -           | -        | -     |
|                                      | Manufacture    |                   | Date                   |          |                      |          |             |             |          |       |
|                                      |                |                   | Initials               |          |                      |          |             |             |          |       |
|                                      | Material Order |                   | Task Done (Y / N / NA) |          | -                    | -        | -           | -           | -        | -     |
|                                      | Manufacture    |                   | Date                   |          |                      |          |             |             |          |       |
|                                      |                |                   | Initials               |          |                      |          |             |             |          |       |

# APPENDIX 1- LDG PROCESSING CHECKLIST

|                  |    |
|------------------|----|
| DONE =           | Y  |
| OUTANDING =      | N  |
| NOT APPLICABLE = | NA |

| Ceramics | Aluminium Panels | Louvers | Special Infills | Winding Gear / AOV's | Auto Door Gear | Brackets | Pressings | Ancillaries (Fixings / EPDM / Mastic) | Straps or Lugs | Manifestations | Other |
|----------|------------------|---------|-----------------|----------------------|----------------|----------|-----------|---------------------------------------|----------------|----------------|-------|
| -        | -                | -       | -               | -                    | -              | -        | -         | -                                     | -              | -              | -     |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |
| -        | -                | -       | -               | -                    | -              | -        | -         | -                                     | -              | -              | -     |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |
| -        | -                | -       | -               | -                    | -              | -        | -         | -                                     | -              | -              | -     |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |
| -        | -                | -       | -               | -                    | -              | -        | -         | -                                     | -              | -              | -     |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |
|          |                  |         |                 |                      |                |          |           |                                       |                |                |       |