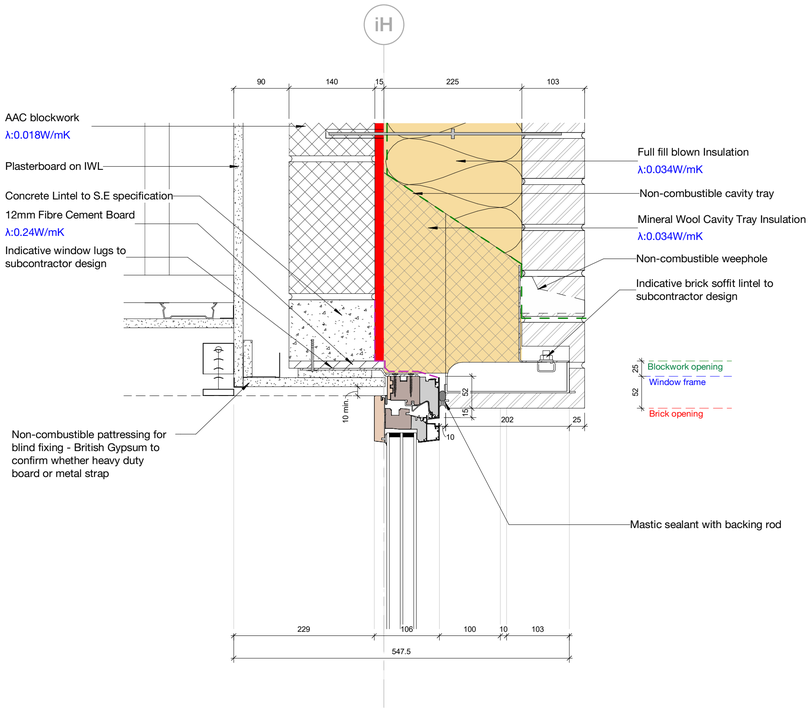
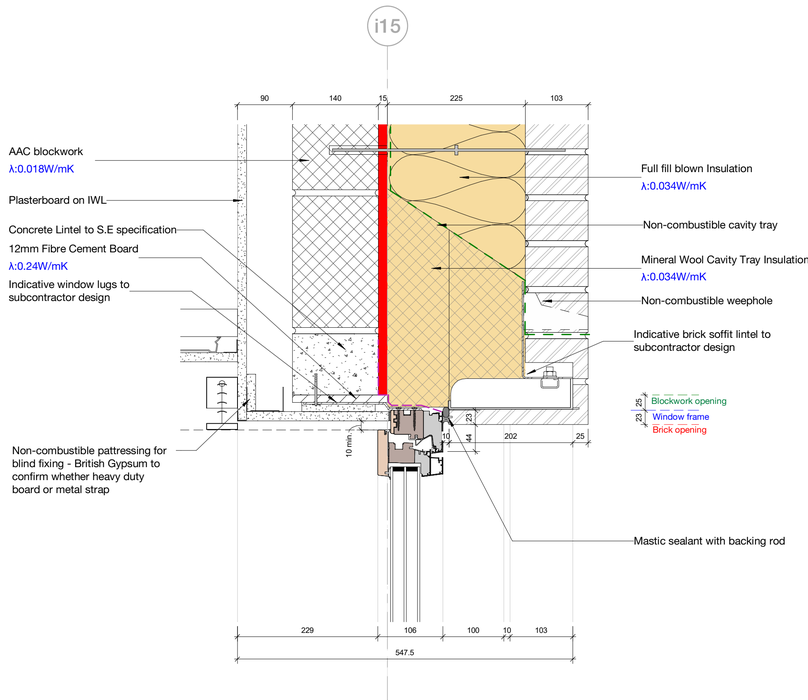
Refer to 310300 series for detail locations



1 L00 Door Head - Projecting brick band
1 : 5

Window position in cavity: A

Note: Frame cloaking is as per typical upper floors arrangement ie. more cloaking compared to other ground floor windows



2 L00 Window Head - Projecting brick band
1 : 5

Window position in cavity: A

Rev	Description	Date
P1	Issued for coordination	01/11/21

Issued for Thermal Bridging Coordination only

Items annotated in red are in design development and require input from Contractor, Design Team, Subcontractor, Statutory Authority and/or Warranty Provider.

Text in green refers to MF Thermal Bridge references

Thermal conductivity of insulative products within thermal line annotated - any other clarifications are to be confirmed with Architect prior to Thermal Bridge modelling

Key:

Parge Coat

Indicative airtightness tape - refer to AGV-HBA-ZZ-ZZ-DR-A-210900 for detailing and product specification Change to EPDM to be confirmed

Vapour Control Layer

DPM

DPC / Cavity Tray

EPDM

Windtight Breather Membrane

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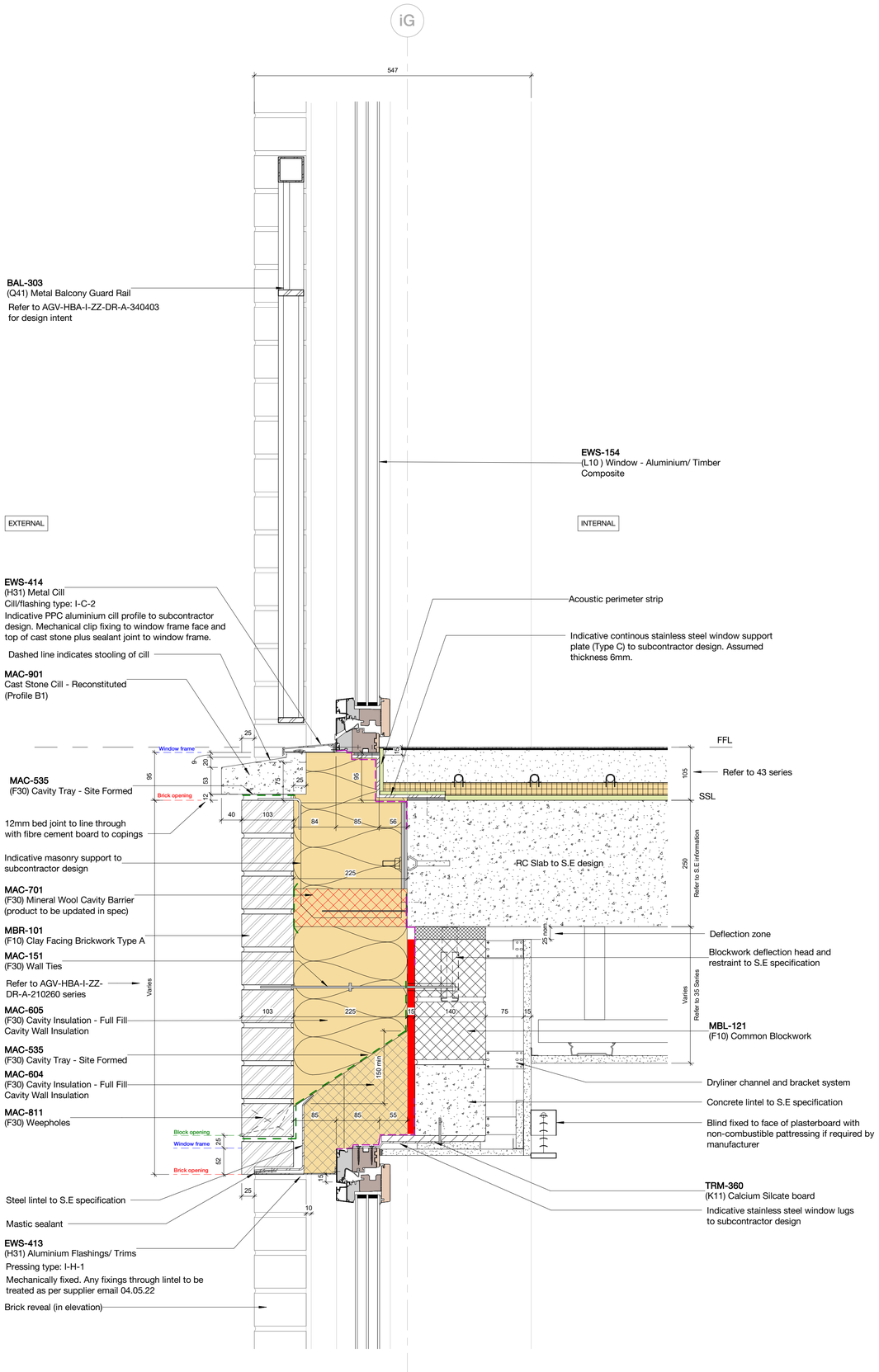
Project
Agar Grove Phase 1c
Block I

Drawing
Ground Floor Window Details - Sheet 2

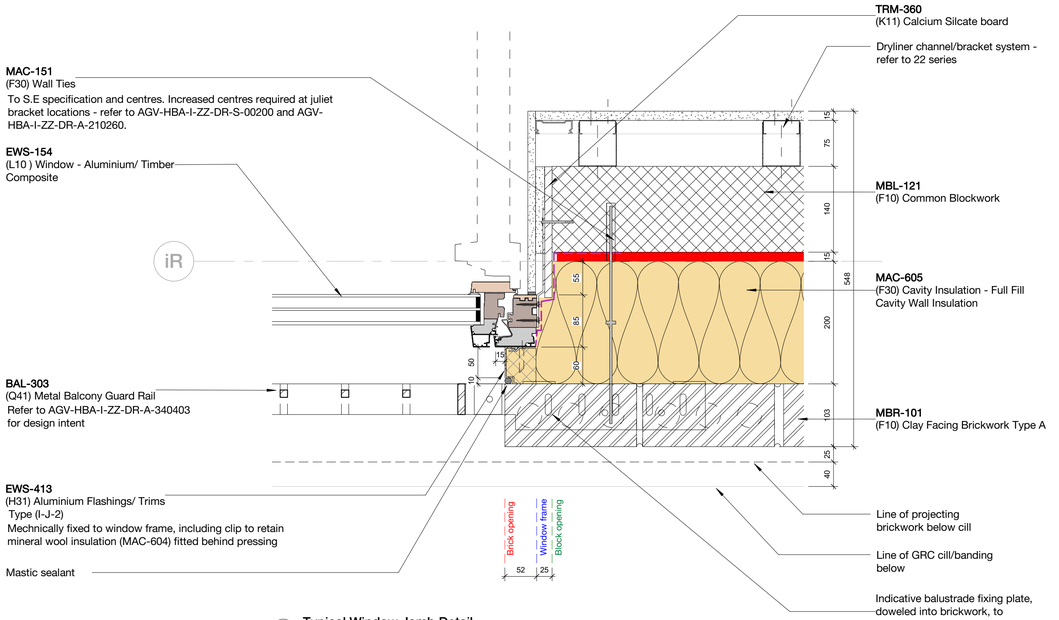
Scale @ A1	Date
1 : 5	Nov2021
Drawn By	Checked By
TC	JW

Job Number	Status	Purpose of Issue
1423-C	S1	Coordination

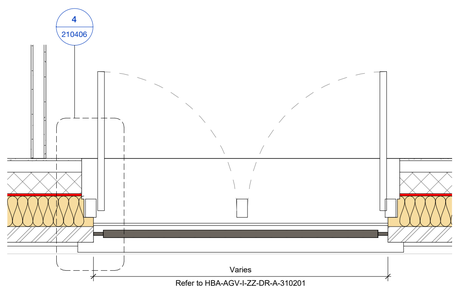
Drawing No.	Rev
AGV-HBA-I-ZZ-DR-A-210414	P1



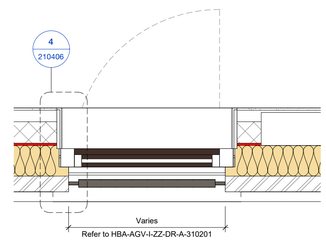
1 **Typical Window Head and Cill Detail**
1 : 5



4 **Typical Window Jamb Detail**
1 : 5



3 **Window Type EXT_WIN_02 (Double Juliette) Plan**
1 : 20



2 **Window Type EXT_WIN_01 (Single Juliette) Plan**
1 : 20

Rev	Description	Date
P1	Issued for Coordination	01/03/21
P2	Design team/contractor comments addressed, amendments as described on sheet	16/03/21
P3	Various updates including cill Z-bracket added and cavity barriers omitted	13/05/21
P4	Revisions as described on sheet	28/06/21
P5	Revisions as highlighted on sheet following HPL review and subcontractor input	06/07/22

Items annotated in red are in design development and require input from Contractor, Design Team, Subcontractor, Statutory Authority and/or Warranty Provider.

Key:

EWS-601 - Parge Coat - nom. 15mm

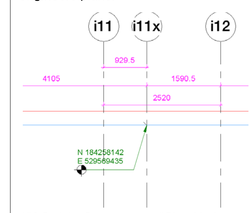
Indicative airtightness tape - refer to AGV-HBA-ZZ-ZZ-DR-A-210900 for detailing and product specification
Product at balcony/terrace thresholds to be confirmed via compatibility test

MAC-535 - DPC/Cavity Tray

Windproof tape to mineral wool insulation - Tescon Vana

All window brackets, fixings and flashings/cills to subcontractor design.
Masonry wall ties and any required reinforcement to S.E design

Gridline i11x is Gridline i11 on Structural engineers plans.



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Project
Agar Grove Phase 1c
Block I

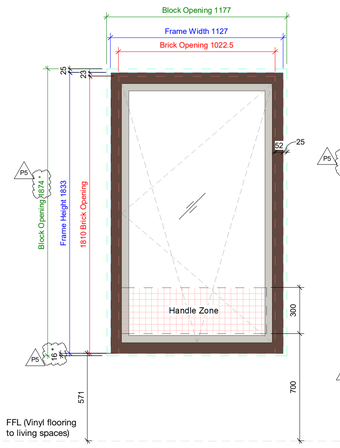
Drawing
Typical Window Type 01+02 - Juliette Balconies

Scale @ A1	Date
As indicated	March 2021
Drawn By	Checked By
TC	JW

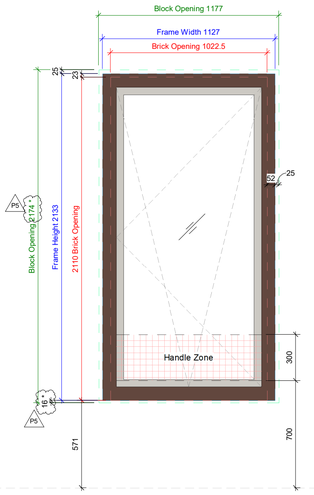
Job Number	Status	Purpose of Issue
1423-C	S1	Coordination

Drawing No.	Rev
AGV-HBA-I-ZZ-DR-A-210406	P5

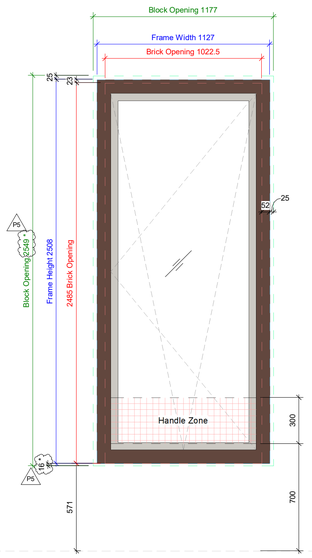
Note: Cloaking arrangements to Types 7C-7F to match recessed entrance assemblies - to suit downstand and MVHR penetration dimensions



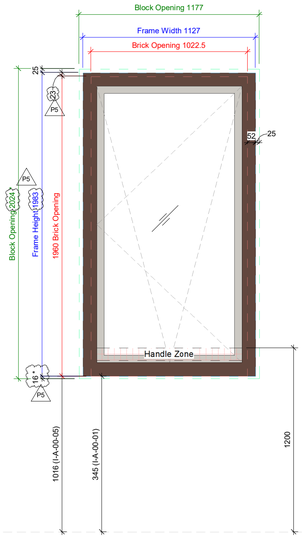
EXT_WIN_07C
(WE-Type-I01 in ER)
L00 single window



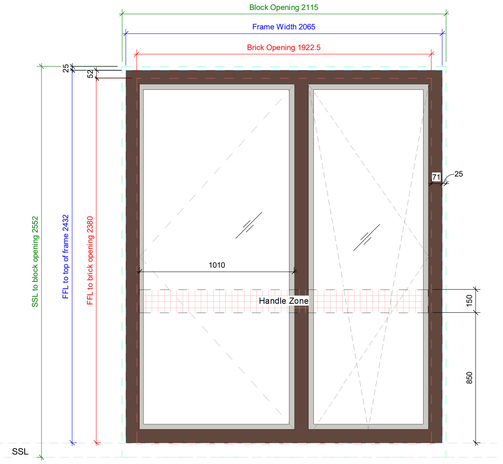
EXT_WIN_07D
(WE-Type-I01 in ER)
L00 single window



EXT_WIN_07E
(WE-Type-I01 in ER)
L00 single window



EXT_WIN_07F
(WE-Type-I01 in ER)
L00 single window



EXT_WIN_05J
(WE-Type-I01/DE-Type-I06 in ER)
L00 Courtyard garden door and sidelight

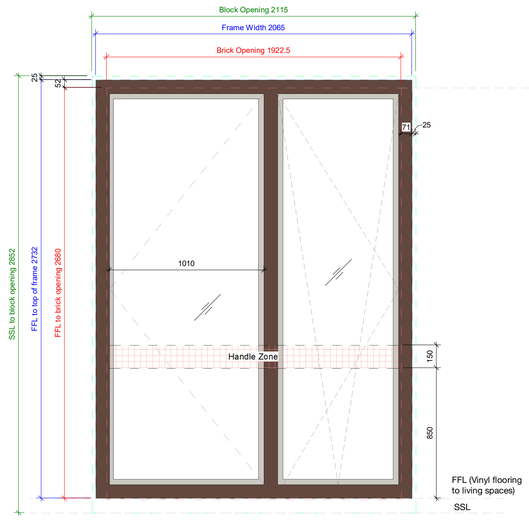
Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL

Window type schedule	
Type Mark	Count
EXT_WIN_01A	72
EXT_WIN_01B	11
EXT_WIN_01C	8
EXT_WIN_01D	2
EXT_WIN_02A	12
EXT_WIN_02B	3
EXT_WIN_04A	9
EXT_WIN_04B	13
EXT_WIN_05A	7
EXT_WIN_05B	1
EXT_WIN_05C	1
EXT_WIN_05D	6
EXT_WIN_05E	2
EXT_WIN_05F	1
EXT_WIN_05G	1
EXT_WIN_05H	1
EXT_WIN_05I	1
EXT_WIN_05J	1
EXT_WIN_06A	2
EXT_WIN_06B	1
EXT_WIN_06C	21
EXT_WIN_07A	10
EXT_WIN_07B	12
EXT_WIN_07C	3
EXT_WIN_07D	1
EXT_WIN_07E	4
EXT_WIN_07F	4

Grand total: 210

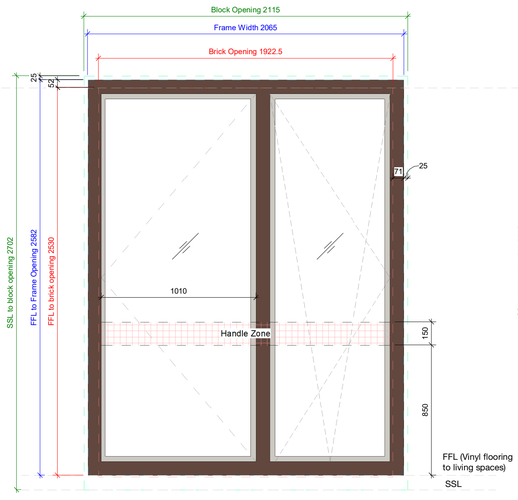
Excludes L00 West/South entrance window assemblies - refer to AGV-HBA-I-00-DR-A-310300 series

Communal entrance doors captured in External Door Schedule (AGV-HBA-I-ZZ-DR-A-320320)



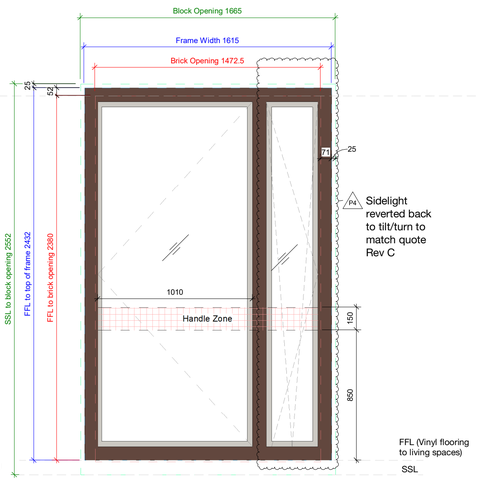
EXT_WIN_05F
(WE-Type-I01/DE-Type-I06 in ER)
L00 Courtyard garden door and sidelight

Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL



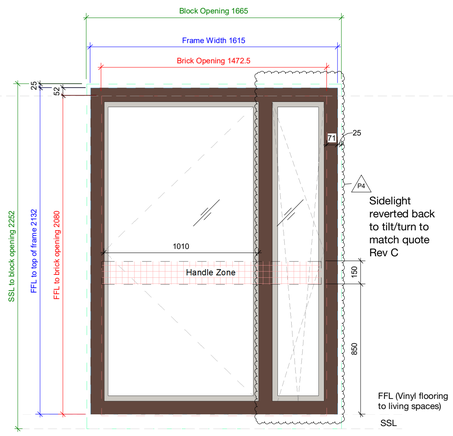
EXT_WIN_05G
(WE-Type-I01/DE-Type-I06 in ER)
L00 Courtyard garden door and sidelight

Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL



EXT_WIN_05H
(WE-Type-I01/DE-Type-I06 in ER)
L00 Courtyard garden door and sidelight

Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL



EXT_WIN_05I
(WE-Type-I01/DE-Type-I06 in ER)
L00 Courtyard garden door and sidelight

Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL

Rev	Description	Date
P1	Issued for Coordination	03/06/21
P2	Amendments as described on sheet	09/08/21
P3	Amendments as highlighted on sheet	15/09/21
P4	Type 05E width reduced, Type 06C head profile changed, Type 5B/H/I reverted back to tilt/turn sidelight to match Internorm quote	13/10/21
P5	Updates as highlighted on sheets	01/11/21

To be read in conjunction with:
Window schedule: AGV-HBA-I-ZZ-SH-A-310002
Window details: AGV-HBA-I-ZZ-DR-A-210400 Series
Airtightness taping details: AGV-HBA-ZZ-ZZ-DR-A-210900/901
Fire Strategy Report: AFF-20566-02-AgarGrovePhase1C_FSR_01

Window unit performance:
-Refer to AGV-HBA-I-ZZ-SH-A-310002 for U-Value, G-Value and Acoustic requirements
-VLT: 70%
-Barrier loading: BS 6180 Table 2 Class (ii)
-Impact resistance: Class 1 to BS EN 12600
-Security: PAS24:2016 to all L00 window/doors with Class P1A laminated glass to BS EN 350:2000
-Airtightness: Class 4 to BS EN 12207/1026

Window operation:
-Handing direction of all window assemblies to be confirmed
-Windows indicated as fire egress routes on AGV-HBA-I-ZZ-SH-A-310002 to be fitted with non-key locking hardware and should be capable of remaining open without being held
-Dashed opening direction lines drawn to UK convention ie. arrow pointing towards hinge side
-Bespoke aftermarket cable restrictor to be fitted to L00 windows (apart from egress windows). 130mm cable length on top of sash to restrict tilt function, 100mm cable length to opening side to restrict turn function.

Glass selection:
-All pane specifications to be selected by fabricator to satisfy sizes of units and performance characteristics cited
-Refer to schedule for NBS specification of glazing units (L40 section)
-Laminated outer pane, toughened middle and inner pane proposed
-Coatings for solar control/Low-E to be selected to satisfy performance characteristics cited
-All glass to be safe breakage in accordance with the requirements of Approved Document K
-All toughened glass to be heat soak tested to mitigate the risks of NiS inclusions
-Toughened glass to not be used to outer panes where above 13m in accordance with CWCT TN68 recommendations
-All glass to be selected to prevent the risk of thermal stress fracture
-All glass & frame selection to be evidenced for approval and to demonstrate Passivhaus compliance
-Obscured glazing where noted on window types/AGV-HBA-I-ZZ-SH-A-310002

Dimensions:
-Frame height dimensions assume Purenit cill carrier piece not used due to combustibility
-Frame dimensions are to outer frame. 10mm packing zone to all sides assumed and accounted for within Block Opening dimensions.
-70mm outer frame profile assumed unless otherwise noted - typically increased to 90mm increase opening clearance with X-hardware

Installation:
-All units to be installed in accordance with manufacturers recommendations
-All fixing design by installer

Handle/controls zone. Zone reduced from Approved Document M to accomodate varying cill heights

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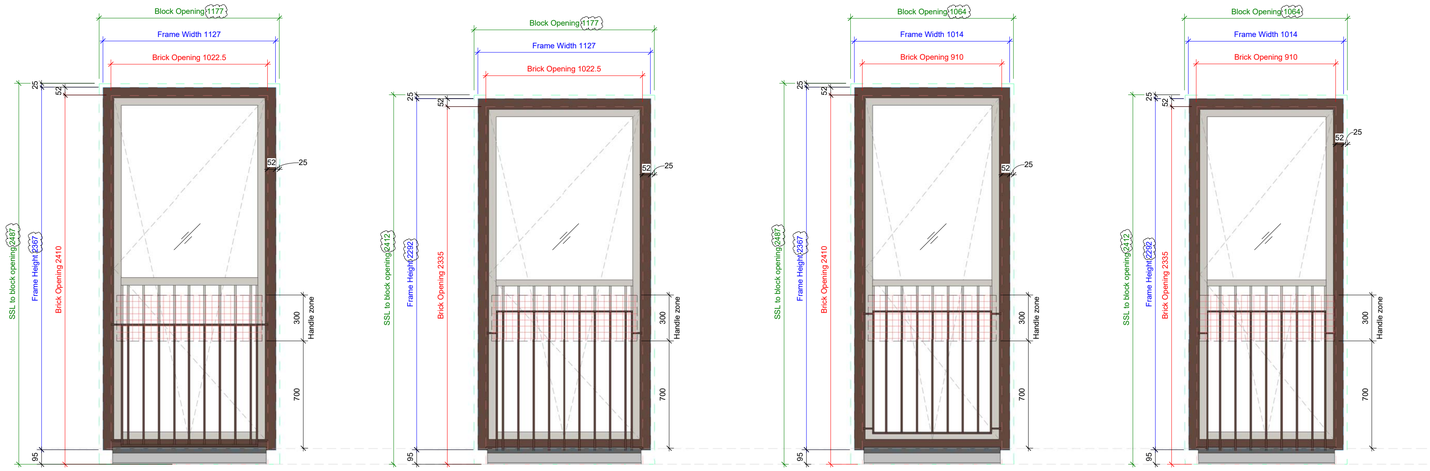
Project
Agar Grove Phase 1c
Block I

Drawing
Window Types 01

Scale @ A1	Date
1 : 20	June 2021
Drawn By	Checked By
TC	JW
Job Number / Status	Purpose of Issue
1423-C / S1	Coordination
Drawing No.	Rev
AGV-HBA-I-ZZ-DR-A-310200	P5



EXT_WIN_01A
(WE-Type-I01 in ER)
Single juliette

1x instance with obscured glazing to bathroom (L01)

P4 Changed from 90mm to 70mm cill profile

EXT_WIN_01B
(WE-Type-I01 in ER)
L05 single juliette

P4 Changed from 90mm to 70mm cill profile

EXT_WIN_01C
(WE-Type-I01 in ER)
Single juliette to stair

Internal key lock for maintenance/cleaning access

P4 Changed from 90mm to 70mm cill profile

EXT_WIN_01D
(WE-Type-I01 in ER)
L05 Single juliette to stair

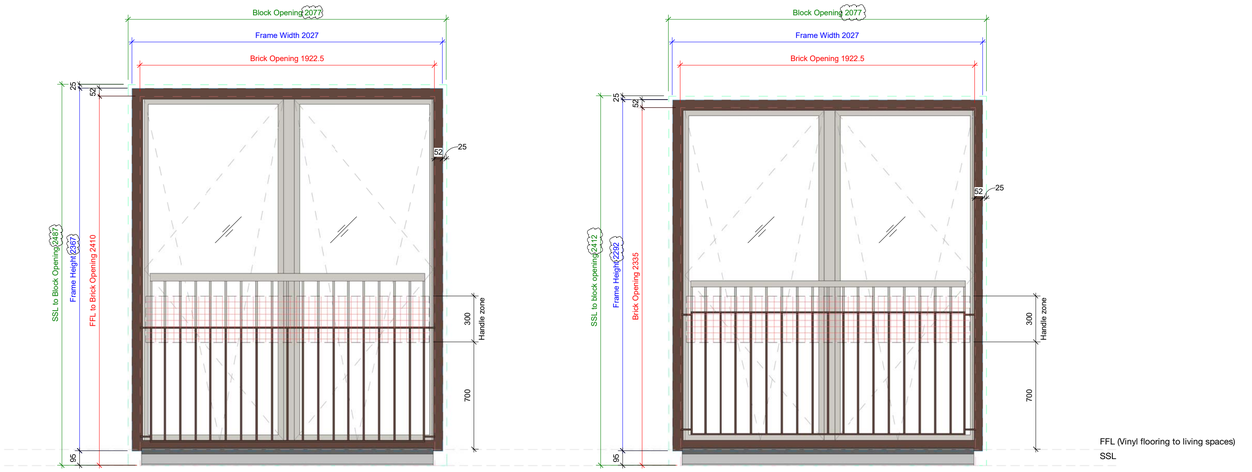
Internal key lock for maintenance/cleaning access

P4

EXT_WIN_01E omitted
Windows replaced by EXT_WIN_01B

P4

EXT_WIN_03 omitted



EXT_WIN_02A
(WE-Type-I02 in ER)
Double juliette

Floating mullion

Changed from 90mm to 70mm cill profile

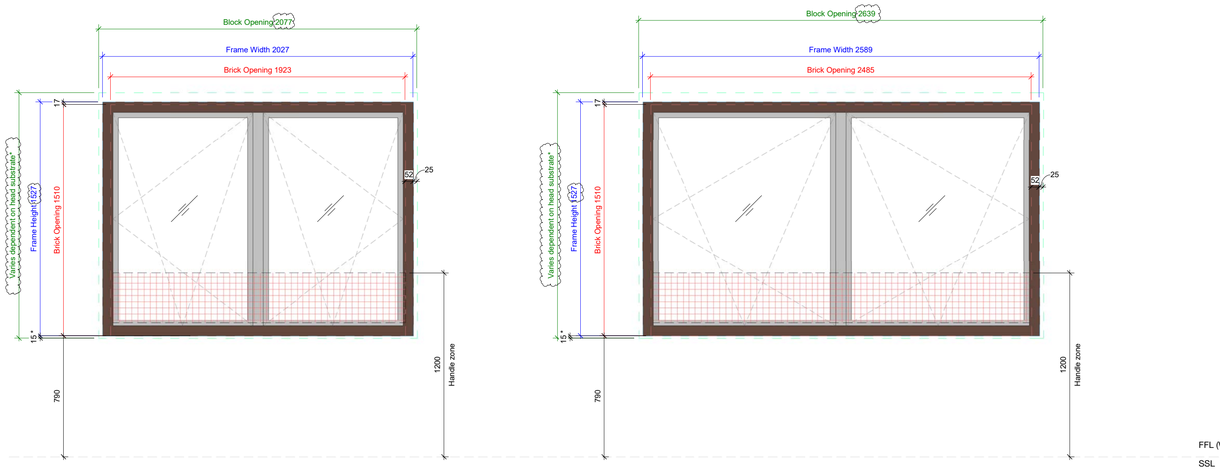
EXT_WIN_02B
(WE-Type-I02 in ER)
L05 Double juliette

Floating mullion

Changed from 90mm to 70mm cill profile

FFL (Vinyl flooring to living spaces)

SSL



EXT_WIN_04A
(WE-Type-I02A in ER)
Double terrace/balcony window

Floating mullion

Changed from 90mm to 70mm head profile. Refer to schedule for instances requiring deflection fixing into RC downstand

*S.E to confirm cill support requirements

EXT_WIN_04B
(WE-Type-I02A in ER)
Double terrace/balcony window

Floating mullion

Changed from 90mm to 70mm head profile. Refer to schedule for instances requiring deflection fixing into RC downstand

*S.E to confirm cill support requirements

FFL (Vinyl flooring to living spaces)

SSL

Juliette balustrade and GRC cill shown indicatively to all juliette windows - refer to details for design intent

Window type schedule

Type Mark	Count
EXT_WIN_01A	72
EXT_WIN_01B	11
EXT_WIN_01C	8
EXT_WIN_01D	2
EXT_WIN_02A	12
EXT_WIN_02B	3
EXT_WIN_04A	9
EXT_WIN_04B	13
EXT_WIN_05A	7
EXT_WIN_05B	1
EXT_WIN_05C	1
EXT_WIN_05D	6
EXT_WIN_05E	2
EXT_WIN_05F	1
EXT_WIN_05G	1
EXT_WIN_05H	1
EXT_WIN_05I	1
EXT_WIN_05J	1
EXT_WIN_06A	2
EXT_WIN_06B	1
EXT_WIN_06C	21
EXT_WIN_07A	10
EXT_WIN_07B	12
EXT_WIN_07C	3
EXT_WIN_07D	1
EXT_WIN_07E	4
EXT_WIN_07F	4

Grand total: 210

Excludes L00 West/South entrance window assemblies - refer to AGV-HBA-I-00-DR-A-310300 series

Communal entrance doors captured in External Door Schedule (AGV-HBA-I-ZZ-DR-A-320320)

Windows omitted following Shadow Design Team review

Rev	Description	Date
P1	Issued for coordination	21/05/21
P2	Issued for Coordination	03/06/21
P3	Amendments as described on sheet	09/08/21
P4	Amendments as highlighted on sheet	15/09/21

P3

To be read in conjunction with:
Window schedule: AGV-HBA-I-ZZ-SH-A-310002
Window details: AGV-HBA-I-ZZ-DR-A-210400 Series
Airtightness taping details: AGV-HBA-ZZ-ZZ-DR-A-210900/901
Fire Strategy Report: AFF-20566-02-AgarGrovePhase1C_FSR_01

Window unit performance:
- Refer to AGV-HBA-I-ZZ-SH-A-310002 for U-Value, G-Value and Acoustic requirements
-VLT: 70%
-Barrier loading: BS 6180 Table 2 Class (ii)
-Impact resistance: Class 1 to BS EN 12600
-Security: PAS24:2016 to all L00 window/doors with Class P1A laminated glass to BS EN 350:2000
-Airtightness: Class 4 to BS EN 12207/1026

Window operation:
-Handing direction of all window assemblies to be confirmed
- -Windows indicated as fire egress routes on AGV-HBA-I-ZZ-SH-A-310002 to be fitted with non-key locking hardware and should be capable of remaining open without being held
-Dashed opening direction lines drawn to UK convention ie. arrow pointing towards hinge side
- Bespoke aftermarket cable restrictor to be fitted to L00 windows (apart from egress windows). 130mm cable length on top of sash to restrict tilt function, 100mm cable length to opening side to restrict turn function.

P1

Glass selection:
-All pane specifications to be selected by fabricator to satisfy sizes of units and performance characteristics cited.
-Refer to schedule for NBS specification of glazing units (L40 section)
-Laminated outer pane, toughened middle and inner pane proposed
-Coatings for solar control/Low-E to be selected to satisfy performance characteristics cited
-All glass to be safe breakage in accordance with the requirements of Approved Document K
-All toughened glass to be heat soak tested to mitigate the risks of NiS inclusions
-Toughened glass to not be used to outer panes where above 13m in accordance with CWCT TN68 recommendations
-All glass to be selected to prevent the risk of thermal stress fracture
-All glass & frame selection to be evidenced for approval and to demonstrate Passivhaus compliance
-Obscured glazing where noted on window types/AGV-HBA-I-ZZ-SH-A-310002

P4

Dimensions:
-Frame height dimensions assume Purenit cill carrier piece not used due to combustibility
-Frame dimensions are to outer frame. 10mm packing zone to all sides assumed and accounted for within Block Opening dimensions.
-70mm outer frame profile assumed unless otherwise noted - typically increased to 90mm increase opening clearance with X-hardware

Installation:
-All units to be installed in accordance with manufacturers recommendations
-All fixing design by installer

Handle/controls zone. Zone reduced from Approved Document M to accomodate varying cill heights

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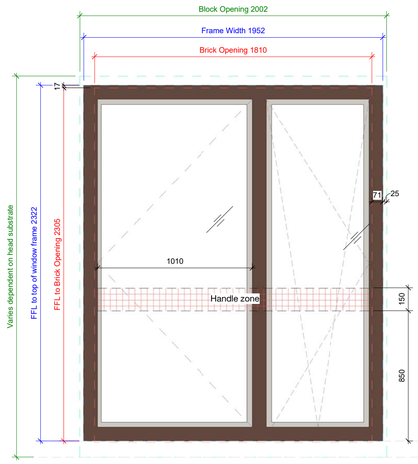
Project
Agar Grove Phase 1c
Block I

Drawing
Window Types 02

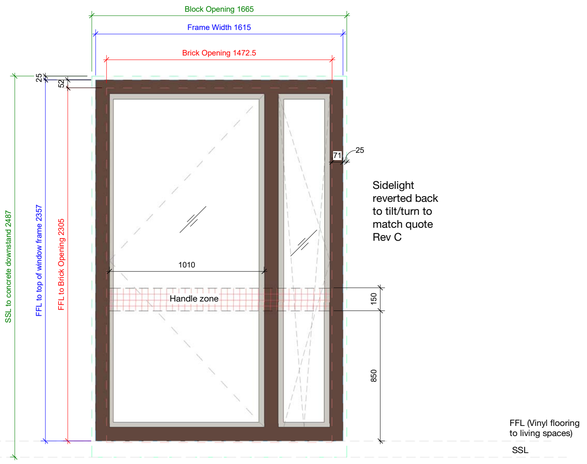
Scale @ A1	Date
1 : 20	June 2021
Drawn By: TC	Checked By: JW
Job Number: 1423-C	Status: S1
Purpose of Issue: Coordination	
Drawing No.: AGV-HBA-I-ZZ-DR-A-310201	Rev: P4



EXT_WIN_05A
(DE-Type-I07 in ER)
Inset terrace/balcony door with sidelight

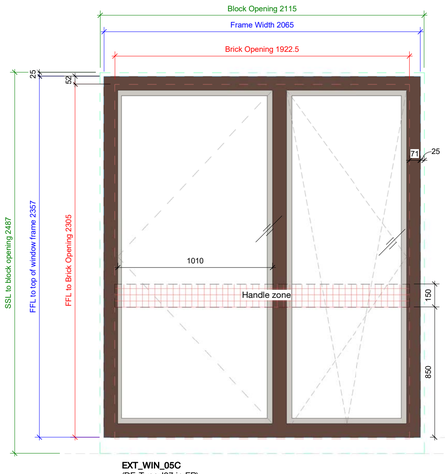
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL
Opening door to achieve min. 850mm clear width

Changed from 90mm to 70mm head profile. Refer to schedule for instances requiring deflection fixing into RC downstand



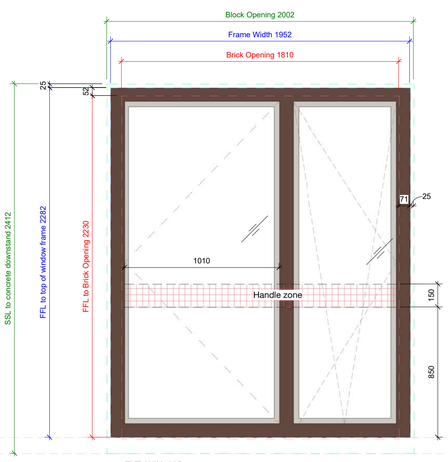
EXT_WIN_05B
(DE-Type-I07 in ER)
L03 terrace door

Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL



EXT_WIN_05C
(DE-Type-I07 in ER)
L04 terrace door

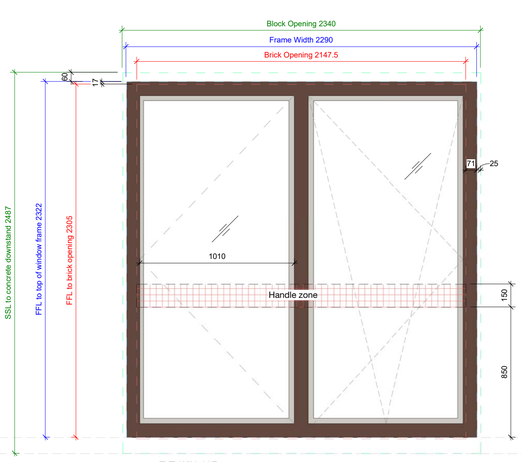
Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL



EXT_WIN_05D
(DE-Type-I07 in ER)
L05 Terrace door with sidelight

Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL

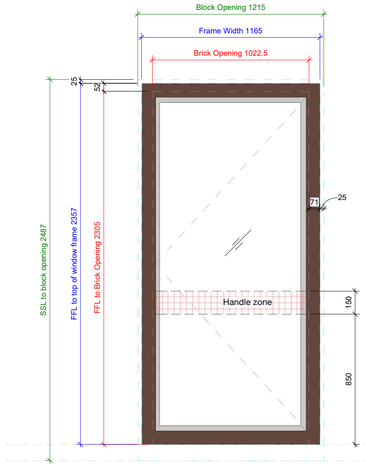
Changed from 90mm to 70mm head profile



EXT_WIN_05E
(DE-Type-I07 in ER)
Inset terrace/balcony door with sidelight

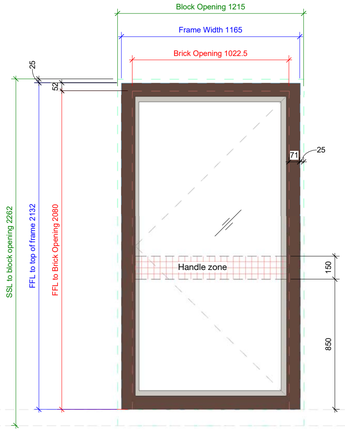
Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL

Changed from 90mm to 70mm head profile. Fixed into RC downstand - fixing to accomodate 15mm max. deflection.



EXT_WIN_06A
(New type from ER)
Single L03/L04 terrace door (no sidelight)

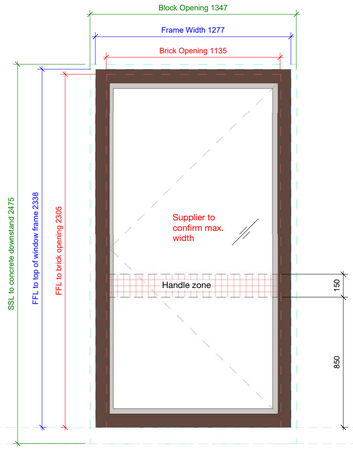
Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL



EXT_WIN_06B
(New type from ER)
Single L04 terrace door (no sidelight)

Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL

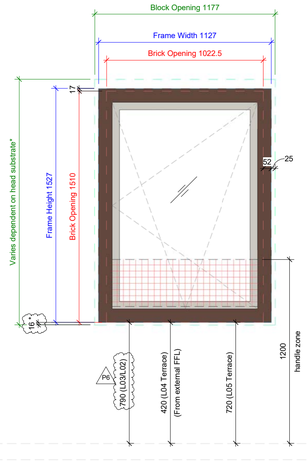
Supplier to advise if 2000mm clear height is achieved



EXT_WIN_06C
(New type from ER)
Inset terrace/balcony door (no sidelight)

Head frame changed from 90mm to 70mm. Fixed into RC downstand - fixing to accomodate 15mm max. deflection

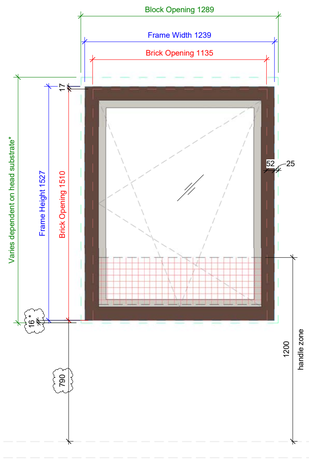
Opening door to achieve min. 850mm clear width
90mm frame to jambs to allow for X-Hardware opening clearance
Threshold profile with 19mm upstand above FFL



EXT_WIN_07A
(New type from ER)
Window onto terrace

3x instances with obscured glazing (GLP-113) to bathroom

Refer to schedule for instances requiring deflection fixing into RC downstand
*based on 6mm continuous stainless steel support plate



EXT_WIN_07B
(New type from ER)
Single terrace/balcony window

Changed from 90mm to 70mm head profile. Refer to schedule for instances requiring deflection fixing into RC downstand
*based on 6mm continuous stainless steel support plate

Window type schedule	
Type Mark	Count
EXT_WIN_01A	72
EXT_WIN_01B	11
EXT_WIN_01C	8
EXT_WIN_01D	2
EXT_WIN_02A	12
EXT_WIN_02B	3
EXT_WIN_04A	9
EXT_WIN_04B	13
EXT_WIN_05A	7
EXT_WIN_05B	1
EXT_WIN_05C	1
EXT_WIN_05D	6
EXT_WIN_05E	2
EXT_WIN_05F	1
EXT_WIN_05G	1
EXT_WIN_05H	1
EXT_WIN_05I	1
EXT_WIN_05J	1
EXT_WIN_06A	2
EXT_WIN_06B	1
EXT_WIN_06C	21
EXT_WIN_07A	12
EXT_WIN_07B	10
EXT_WIN_07C	3
EXT_WIN_07D	1
EXT_WIN_07E	4
EXT_WIN_07F	4

Grand total: 210

Excludes L00 West/South entrance window assemblies - refer to AGV-HBA-I-00-DR-A-310300 series

Communal entrance doors captured in External Door Schedule (AGV-HBA-I-ZZ-DR-A-320320)

Rev	Description	Date
P1	Issued for coordination	21/05/21
P2	Issued for Coordination	07/06/21
P3	Amendments as described on sheet	09/08/21
P4	Amendments as highlighted on sheet	15/09/21
P5	Type 05E width reduced, Type 06C head profile changed, Type 5B/H1 reverted back to tilt/turn sidelight to match Internorm quote	13/10/21
P6	Updates to windows 01-036, 01-037, 01-041, 02-034, 02-035, 02-039 to suit SVP coordination	06/12/21

To be read in conjunction with:
Window schedule: AGV-HBA-I-ZZ-SH-A-310002
Window details: AGV-HBA-I-ZZ-DR-A-210400 Series
Airtightness taping details: AGV-HBA-ZZ-ZZ-DR-A-210900/901
Fire Strategy Report: AFF-20566-02-AgarGrovePhase1C_FSR_01

Window unit performance:
-Refer to AGV-HBA-I-ZZ-SH-A-310002 for U-Value, G-Value and Acoustic requirements
-VLT: 70%
-Barrier loading: BS 6180 Table 2 Class (ii)
-Impact resistance: Class 1 to BS EN 12600
-Security: PAS24:2016 to all L00 window/doors with Class P1A laminated glass to BS EN 356:2000
-Airtightness: Class 4 to BS EN 12207/1026

Window operation:
-Handing direction of all window assemblies to be confirmed
-Windows indicated as fire egress routes on AGV-HBA-I-ZZ-SH-A-310002 to be fitted with non-key locking hardware and should be capable of remaining open without being held
-Dashed opening direction lines drawn to UK convention ie. arrow pointing towards hinge side
-Bespoke aftermarket cable restrictor to be fitted to L00 windows (apart from egress windows). 130mm cable length on top of sash to restrict tilt function, 100mm cable length to opening side to restrict turn function.

Glass selection:
-All pane specifications to be selected by fabricator to satisfy sizes of units and performance characteristics cited
-Refer to schedule for NBS specification of glazing units (L40 section)
-Laminated outer pane, toughened middle and inner pane proposed
-Coatings for solar control/Low-E to be selected to satisfy performance characteristics cited
-All glass to be safe breakage in accordance with the requirements of Approved Document K
-All toughened glass to be heat soak tested to mitigate the risks of NiS inclusions
-Toughened glass to not be used to outer panes where above 13m in accordance with CWCT TN68 recommmendations
-All glass to be selected to prevent the risk of thermal stress fracture
-All glass & frame selection to be evidenced for approval and to demonstrate Passivhaus compliance
-Obscured glazing where noted on window types/AGV-HBA-I-ZZ-SH-A-310002

Dimensions:
-Frame height dimensions assume Purenit cill carrier piece not used due to combustibility
-Frame dimensions are to outer frame. 10mm packing zone to all sides assumed and accounted for within Block Opening dimensions.
-70mm outer frame profile assumed unless otherwise noted - typically increased to 90mm increase opening clearance with X-hardware

Installation:
-All units to be installed in accordance with manufacturers recommendations
-All fixing design by installer

Handle/controls zone. Zone reduced from Approved Document M to accomodate varying cill heights

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Hawkins\
Brown

Project
Agar Grove Phase 1c
Block I

Drawing
Window Types 03

Scale @ A1	Date
1 : 20	June 2021
Drawn By: TC	Checked By: JW
Job Number: 1423-C	Status: S1
Purpose of Issue: Coordination	

Drawing No.: AGV-HBA-I-ZZ-DR-A-310202
Rev: P6