

REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL TBC Min. 40 Microns  
Schuco-Interpon D

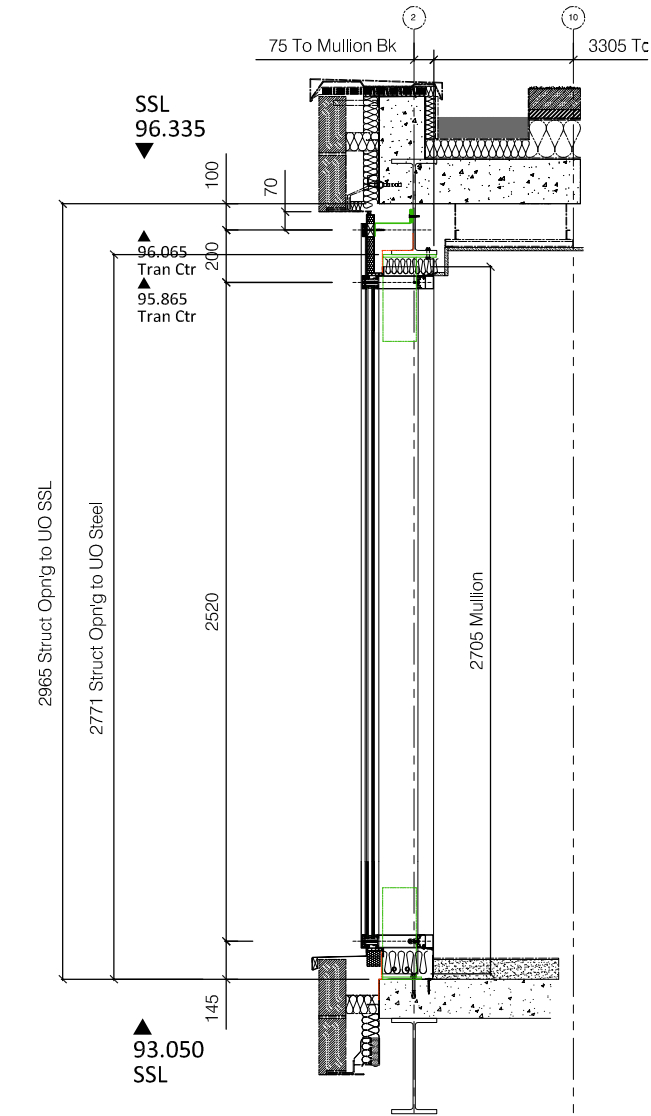
Type 22

C/Wall Specification

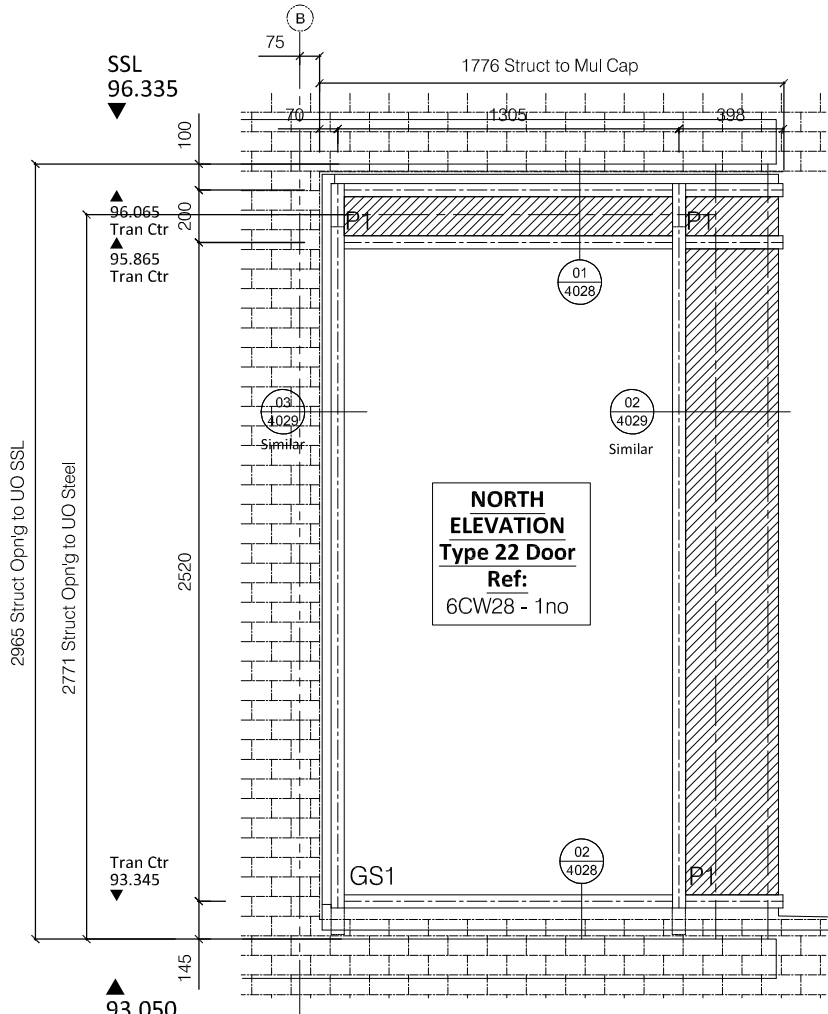
To be constructed from thermally broken Schuco FWS50  
Curtain Wall System

Transom Connections - Spring 2,1Kn - 226083

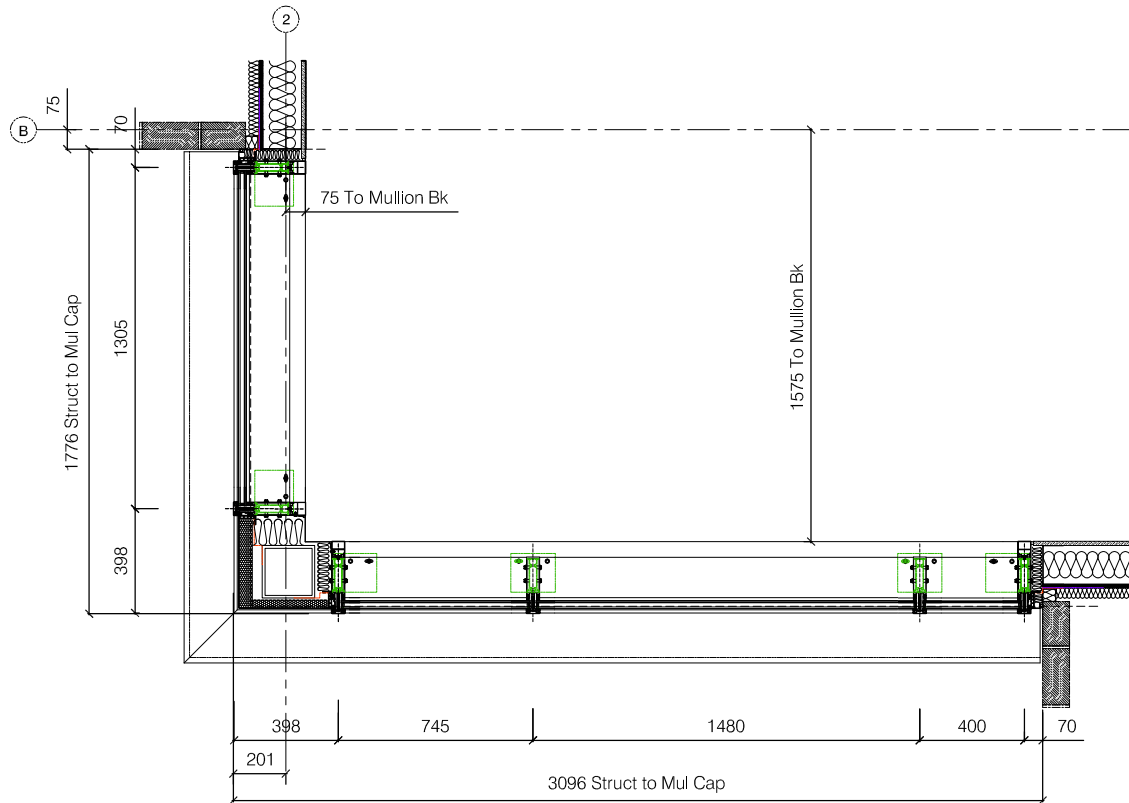
Mullion (150mm) - 323490  
Transom (155mm) - 322440  
Mullion Cap (15mm) - 112720  
Transom Cap (12mm) - 160620  
Pressure Plate - 477600  
Thermal Break - 224810  
Spigot (128mm) - 322750



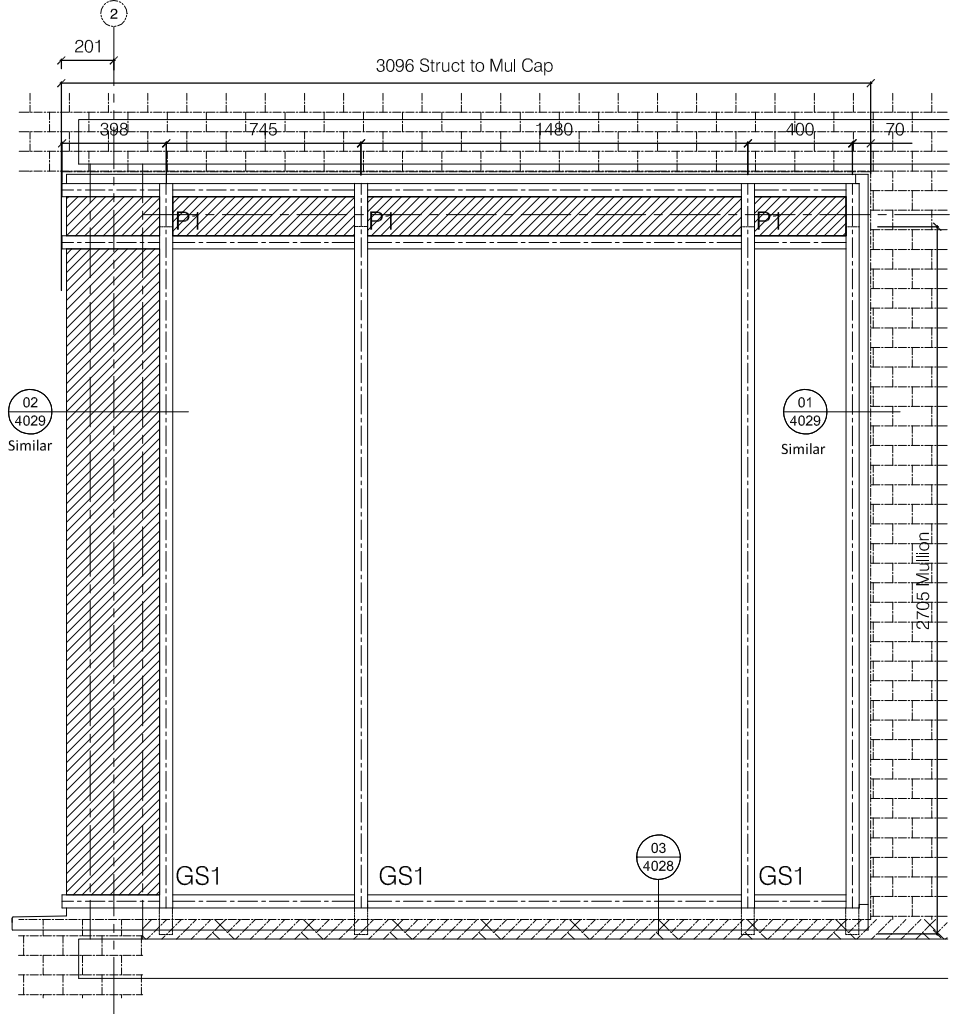
01  
1041 Section Thr'o For Type 22 C/Wall Screen - 1:30  
Pears Building - Level 06 - West Elevation



02  
1041 Elevation For Type 22 C/Wall Screen - 1:30  
Pears Building - Level 06 - West Elevation



03  
1041 Enlarged Section/Plan Thr'o For Type 22 - 1:30  
Pears Building - Level 06 - West Elevation



ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

Note: Elevation Viewed Externally	
-----------------------------------	--

- Preliminary Issue	22.01.19
---------------------	----------

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Type 22 Level 06 Glazing Elevation - Phase 02
------------	--

Job Reference	Pears Building Royal Free Hospital
---------------	---------------------------------------

Customer	Willmott Dixon
----------	----------------

Scale	1:30	Paper	A3
-------	------	-------	----

Drawn By	J.C	Date	17.01.19
----------	-----	------	----------

Chkd. Design	Chkd. Contracts
--------------	-----------------

Job No.	C-2050
---------	--------

Drwg. No.	1041	Rev.	-
-----------	------	------	---

REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns

Schuco-Interpon D

Type 29 Door Specification;

To be constructed from thermally broken

Schuco ADS70 HD Commercial door system

Door Frame - 397720

Stiles - 395570

Btm Rail - 171130

Bead - 184060

Threshold - 171230

To Be Fitted With (Silver Finish EV1):

- 2 Point & Claw Lock - 241735

- Cylinder Keyed Internal/External - 211973 (SUIT A)

- Escutcheon Internal - 217921

- Escutcheon External - 208761

- Lever Handles Internal/External - 210678 (1050mm Height from FFL)

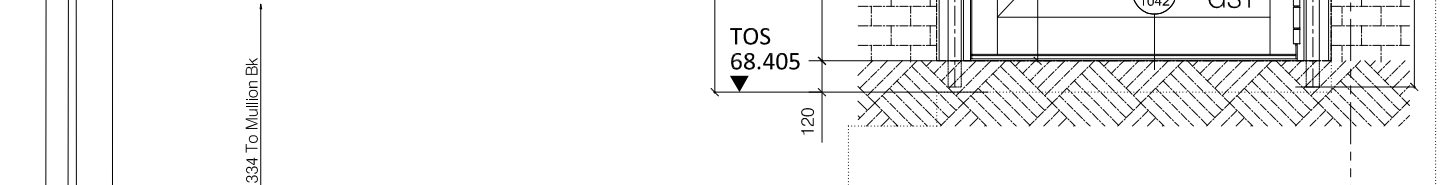
- 5no Barrel Hinges 239596

- Non-Hold Geze TS 5000 Closer

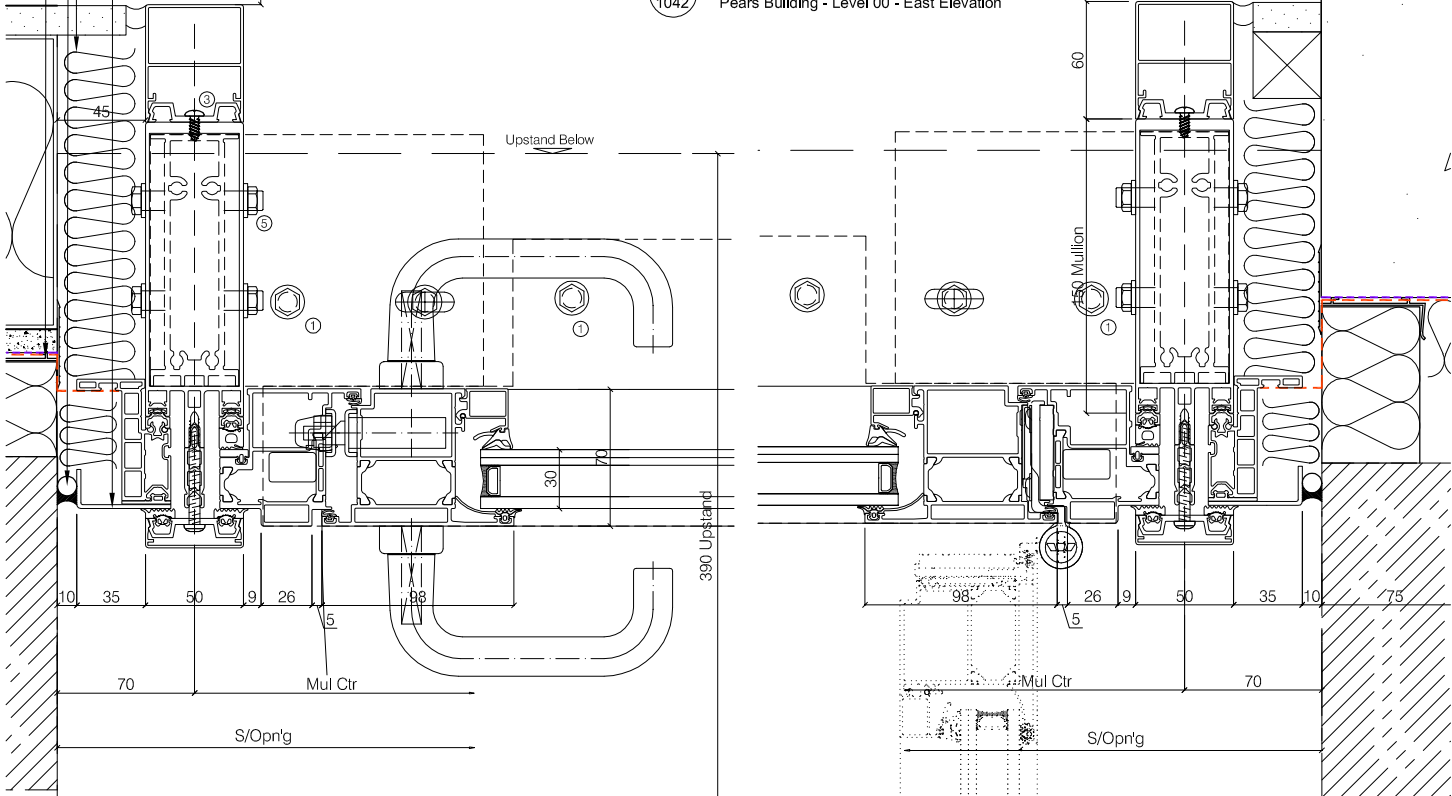
Geze state that consideration must be given to other contributing factors such as opposing air pressures , which could cause the doors to become non-BS8300 compliant on windy days.

\*RC2 Security Rating

- EPDM membrane clipped into c/wall & bonded to structure by N&U  
Colour TBC Mastic Seal & Foam backing rod between N&U aluminium flashing and structure Detail.
- Loosefill Rockwool  
Voids to perimeter of c/wall to be infilled with insulation by N&U
- Jamb Flashing  
2mm Th'k Aluminium PPC RAL TBC glazed into C/Wall by N&U

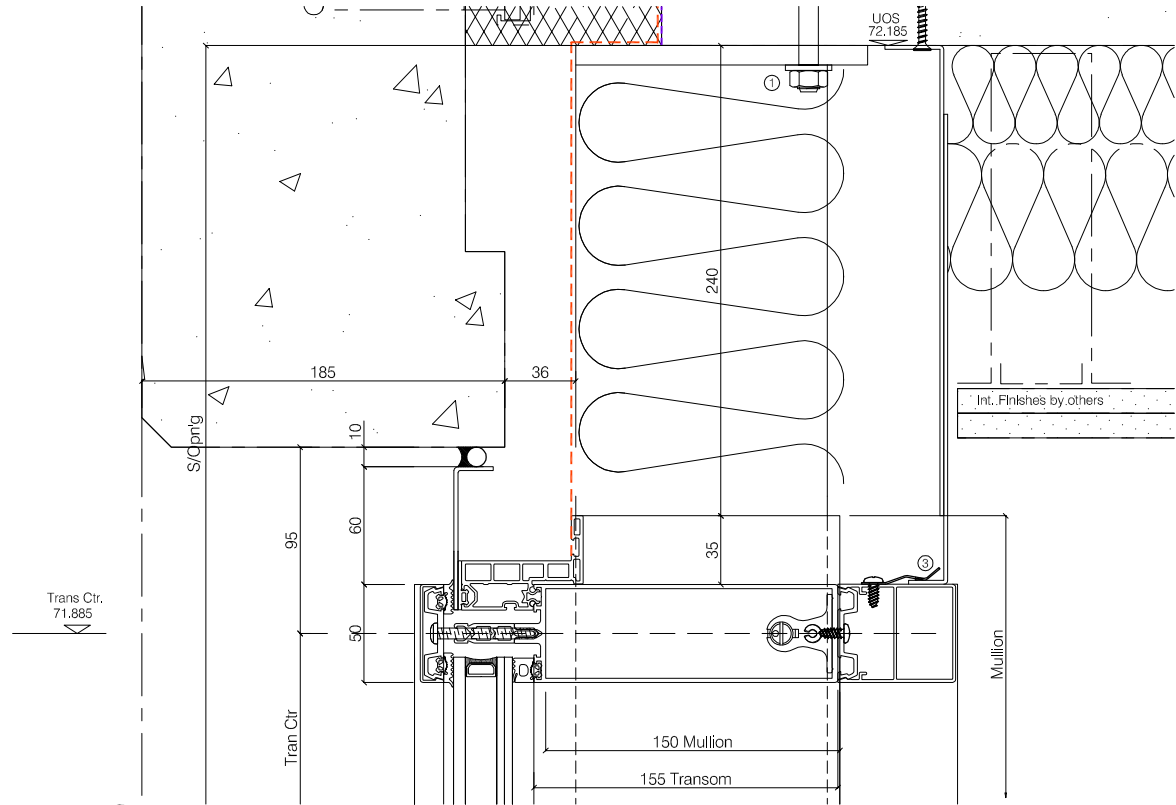


00  
1042 Enlarged Elevation For Type 29 - 1:30  
Pears Building - Level 00 - East Elevation

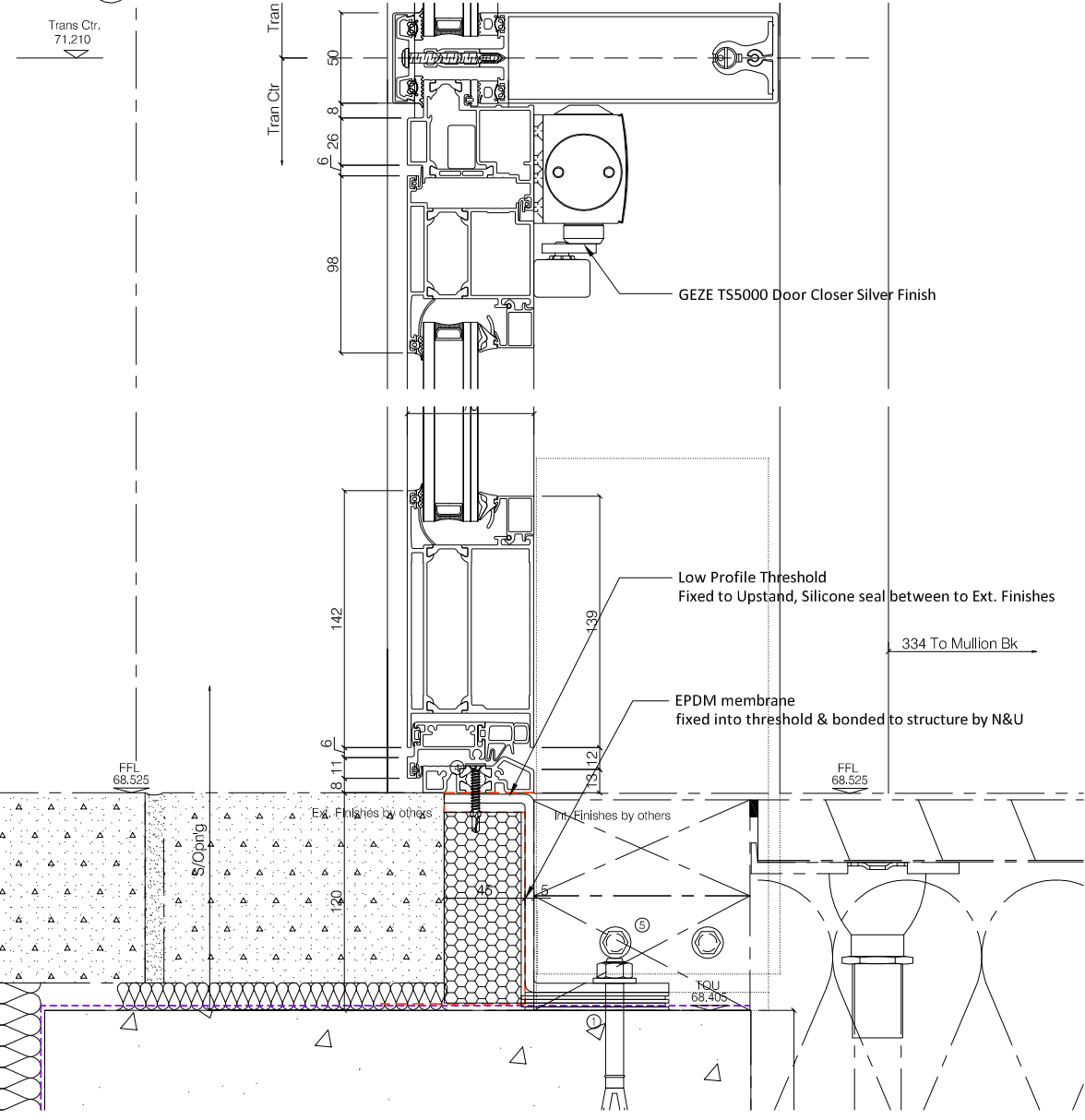


02  
1042 Enlarged Section Through for Type 29 - 1:4  
Pears Building - Level 00 - Door Jamb Detail

02  
1042 Enlarged Section Through for Type 29 - 1:4  
Pears Building - Level 00 - Door Jamb Detail



04  
1042 Enlarged Section Through for Type 29 - 1:4  
Pears Building - Level 00 - Head Restraint Detail



03  
1042 Enlarged Section Through for Type 29 - 1:4  
Pears Building - Level 00 - Door Threshold/Deadload Detail

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_

Sign. \_\_\_\_\_

Print \_\_\_\_\_

A- Proceed no comments

B- Incorporate comments & proceed

C- Resubmit for approval

Revisions Format

Ltr Description Date

Note: Elevation Viewed Externally

A For Approval 20.05.19

Revised based on Hopkins comments

- Preliminary Issue 05.03.19

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title Type 29

Glazing Elevation - Phase 03

Job Pears Building

Reference Royal Free Hospital

Customer Willmott Dixon

Scale 1:30/1:4 Paper A3

Drawn By J.C Date 01.03.19

Chkd. Design Chkd. Contracts

Job No. C-2050

Drwg. No. 1042 Rev. A

REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns  
Schuco-Interpon D

Type 35 Auto Door Specification-DDA Compliant;

SUBJECT TO VO

To be constructed from thermally broken  
Schuco ADS70 HD Commercial door system

Door Frame - 358470/372240/372190

Stiles - 395570

Btm Rail - 171130

Bead - 184060

Threshold - 360680

To Be Fitted With (Silver Finish EV1):

- 2 Point & Claw Lock (Roller Latch) - 279157
- Cylinder Keyed Internal/External - 211973 (SUIT A)
- Escutcheon Internal - 217921
- Escutcheon External - 208761
- Pull Handles Internal/External - 240099 (1050mm Height from FFL)
- 4no Face Fixed Hinge for Anti Finger Trap - 239890

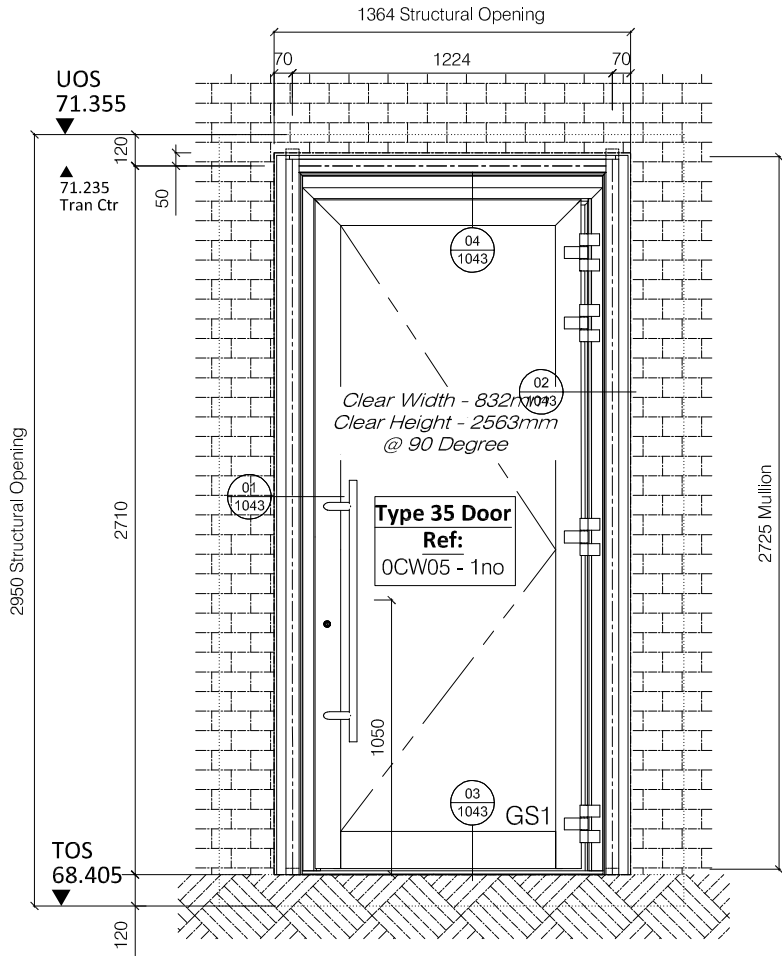
High-Performance electromechanical Swing-Door Drive 'Horton 4100'

- Safety Sensors with Key Switch Functions (Off/Exit Only/Hold Open/ Fully Automatic)

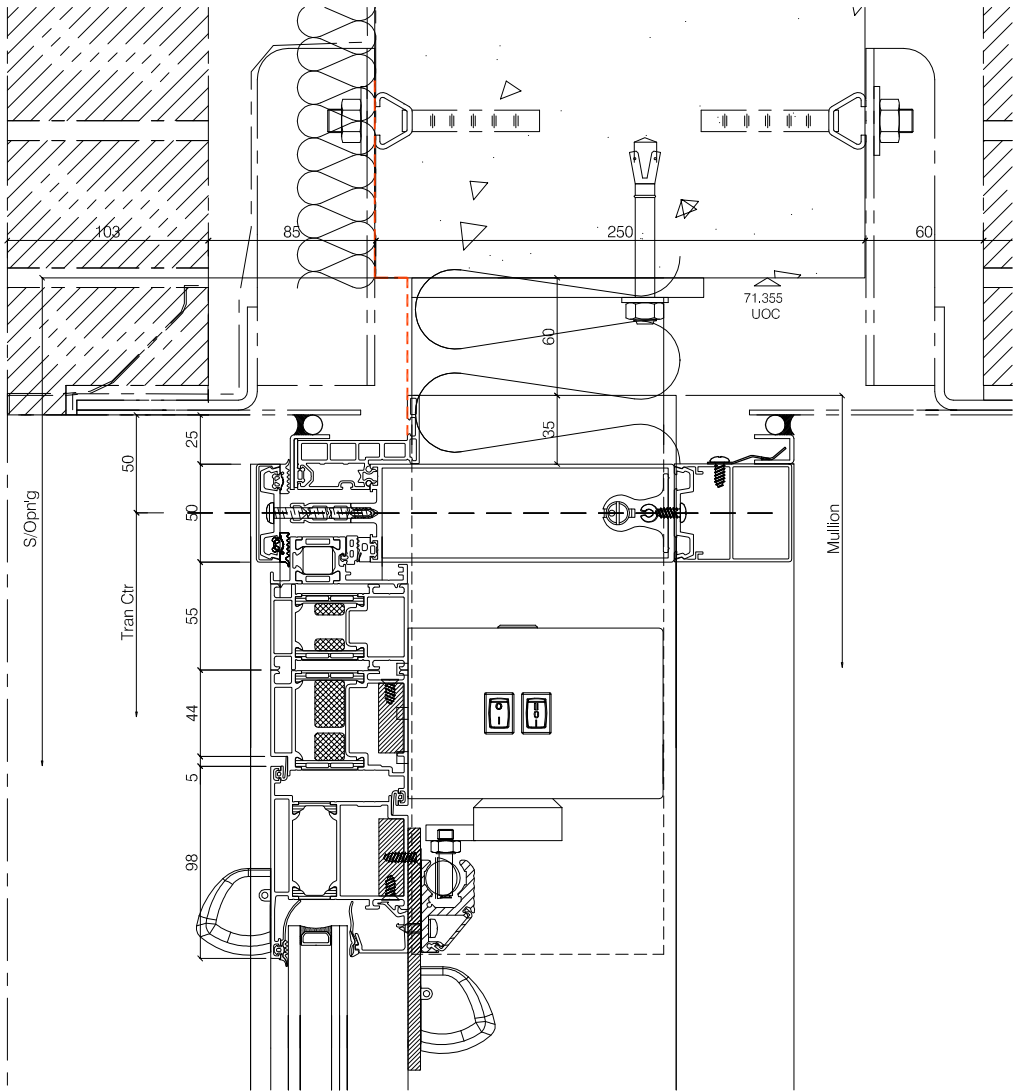
- Key Switch wall mounted.
- Fail Safe Open - Battery Pack Included
- External safety barriers by others

- Internal & External Push Buttons to activate automatic opening by others

- Cable & Connections (inc Fire Alarm) by others

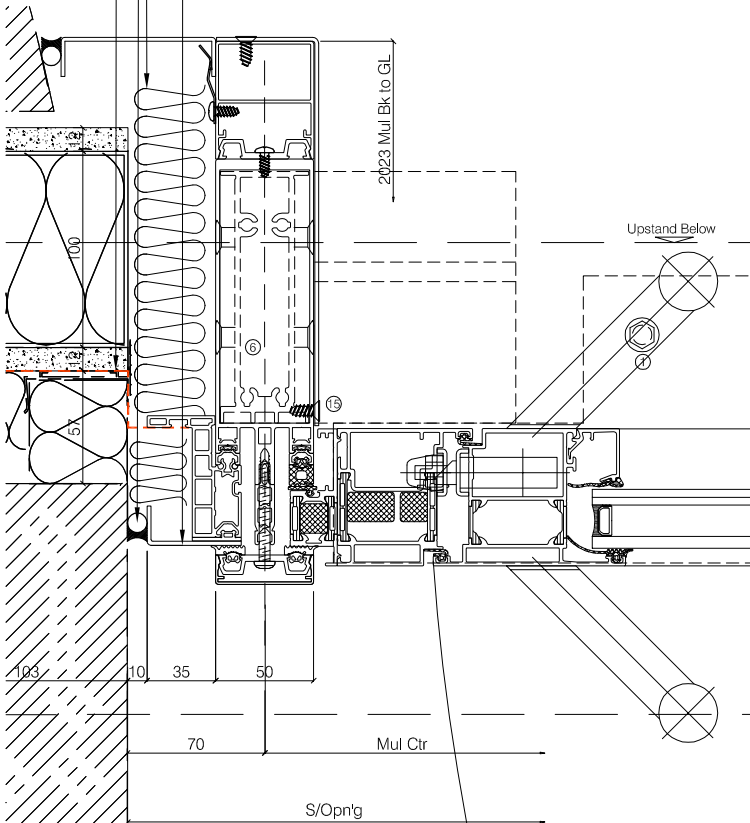


Enlarged Elevation For Type 35 - 1:30  
Pears Building - Level 00 - North Elevation

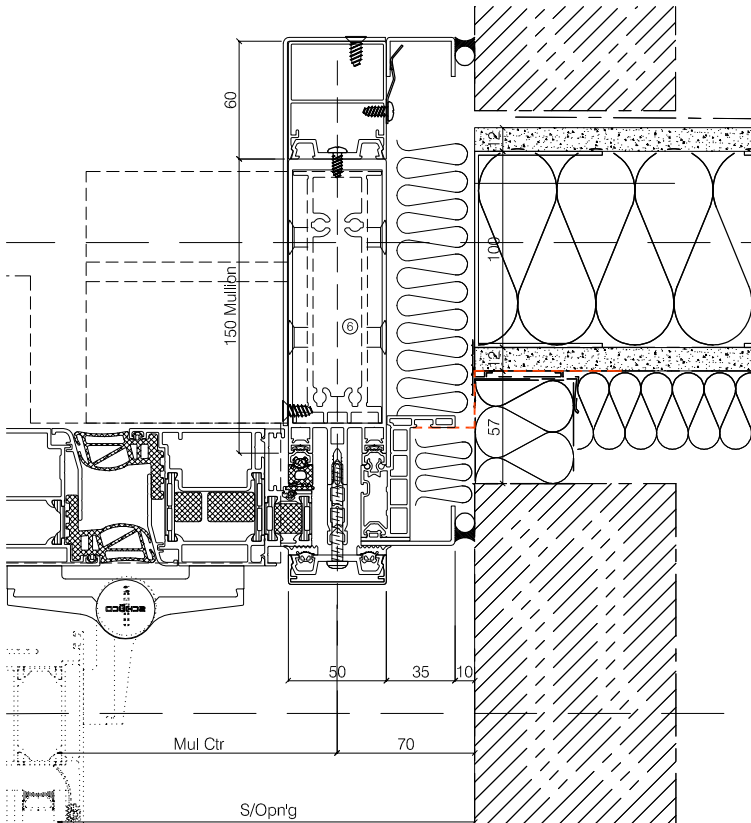


Enlarged Section Through for Type 35 - 1:4  
Pears Building - Level 00 - Head Restraint Detail

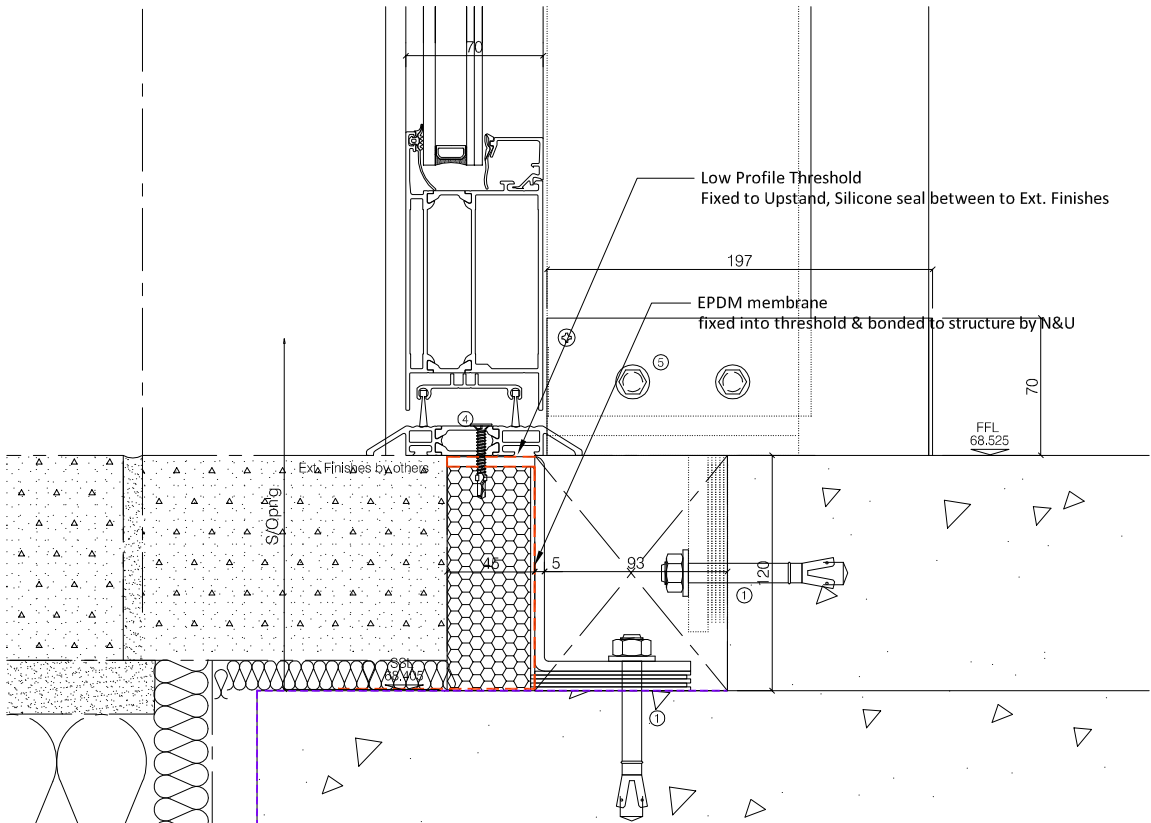
- EPDM membrane clipped into c/wall & bonded to structure by N&U
- Colour TBC Mastic Seal & Foam backing rod between N&U aluminium flashing and structure Detail.
- Loosefill Rockwool Voids to perimeter of c/wall to be infilled with insulation by N&U
- Jamb Flashing 2mm Th'k Aluminium PPC RAL TBC glazed into C/Wall by N&U



Enlarged Section Through for Type 35 - 1:4  
Pears Building - Level 00 - Door Jamb Detail



Enlarged Section Through for Type 35 - 1:4  
Pears Building - Level 00 - Door Jamb Detail



Enlarged Section Through for Type 35 - 1:4  
Pears Building - Level 00 - Door Threshold/Deadload Detail

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format

Ltr Description Date

Note: Elevation Viewed Externally

A For Approval 20.05.19

Revised based on Hopkins comments

- Preliminary Issue 05.03.19

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title Type 35

Glazing Elevation - Phase 03

Job Pears Building

Reference Royal Free Hospital

Customer Willmott Dixon

Scale 1:30/1:4 Paper A3

Drawn By J.C Date 01.03.19

Chkd. Design Chkd. Contracts

Job No. C-2050

Drwg. No. 1043 Rev. A



REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns

Schuco-Interpon D

Type 17A & 17B

C/Wall Specification

To be constructed from thermally broken Schuco FWS50

Curtain Wall System

Transom Connections - Spring 2,1Kn - 226083

Transom Connections - T Cleats "Corners" - 175780

Mullion (150mm) - 323490

Transom (155mm) - 322440

Mullion Cap (15mm) - 112720

Transom Cap (12mm) - 160620

Pressure Plate - 477600

Thermal Break - 224810

Spigot (128mm) - 322750

Bi Parting Sliding Door Specification;

To be constructed from Non-thermally broken

Commercial door system /Kawneer ACS Commercial system

Design Windload 0.8Kn

To Be Fitted With:(Silver Finish - EV1)

- Cylinder / Centre Point Lock

- Double Ramped Threshold

High-Performance electromechanical sliding door operator Horton 2003

- Safety Sensors with Key Switch Functions (Off/Exit Only/Hold Open/

Fully Automatic)

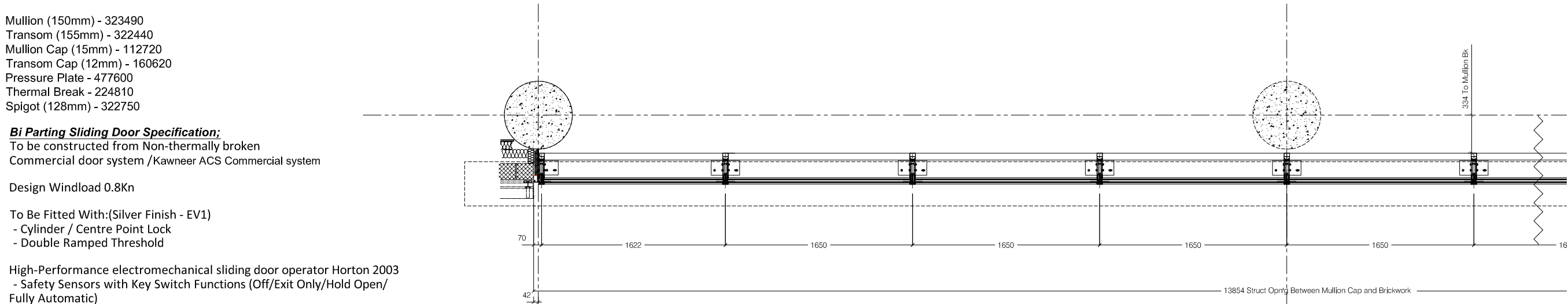
- Key Switch wall mounted.

- Infrared IXIO Combi sensor for Entry & Exit

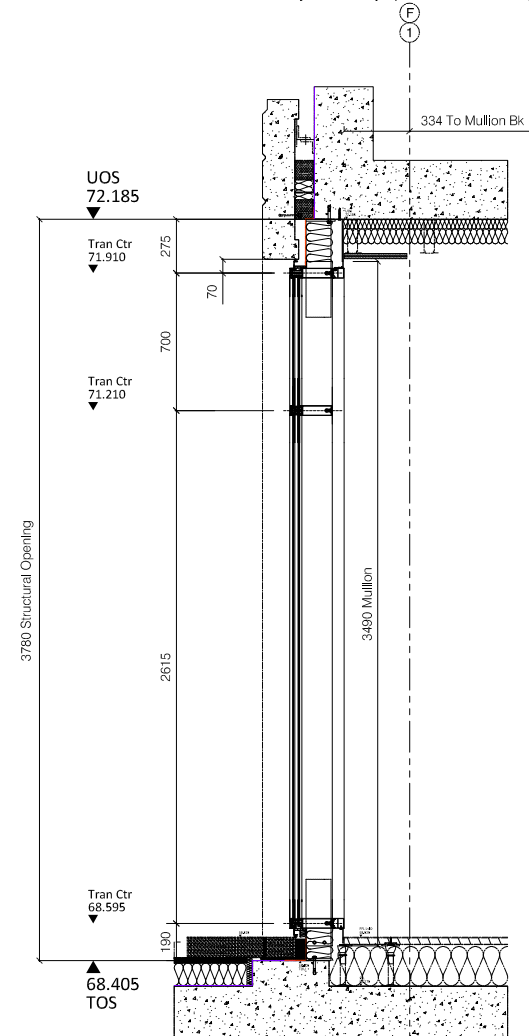
- Linked to fire alarm for Fail safe (closed)

- Internal Safety Barriers

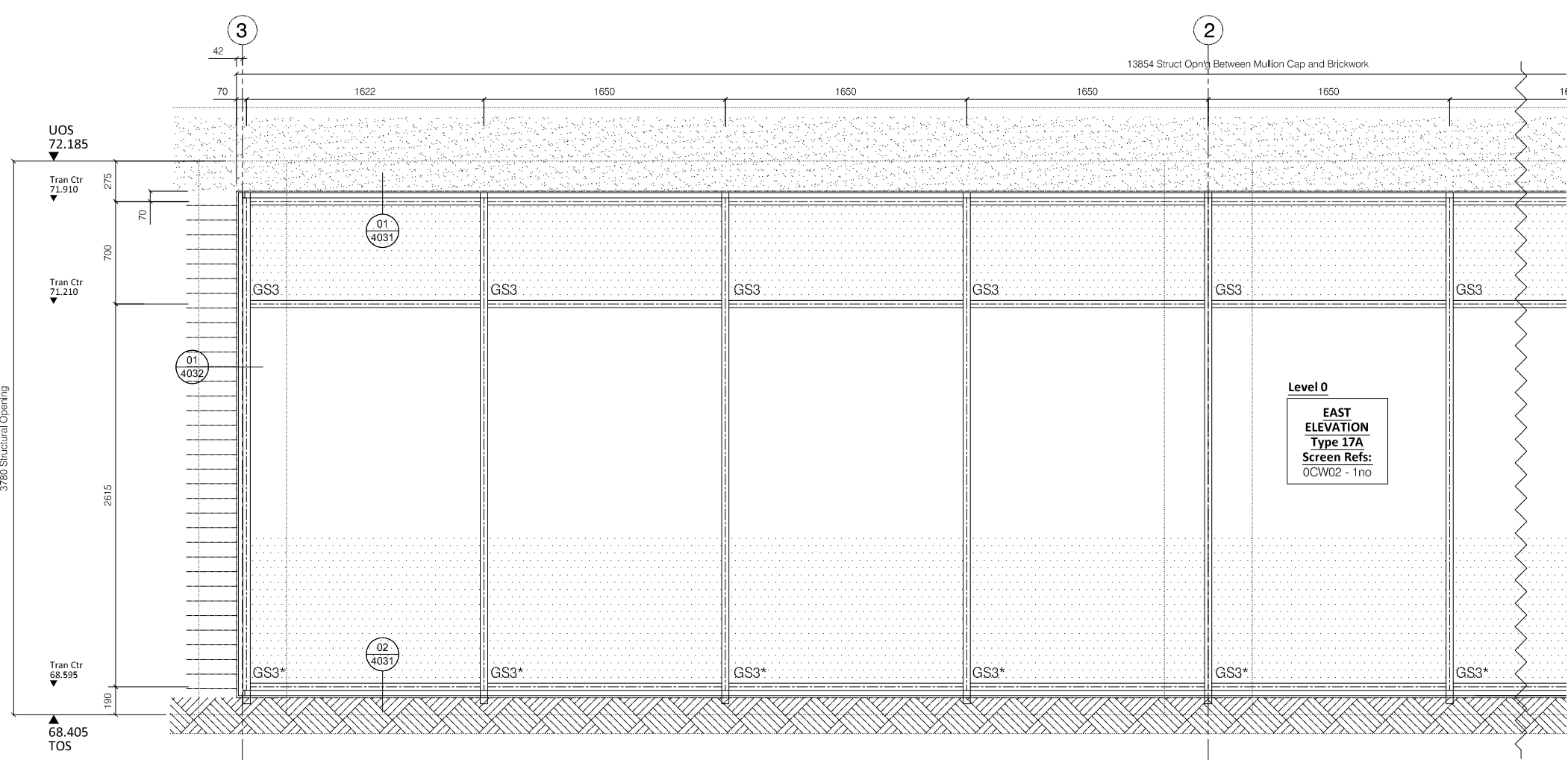
- Cable/Connections & Battery Back up (inc Fire Alarm) by others



03 Enlarged Plan For Type 17 - 1:30  
1044 Pears Building - Level 00 - North Elevation



01 Section Th'ro For Type 17 - 1:30  
1044 Pears Building - Level 00 - North Elevation



02 Enlarged Elevation For Type 17 - 1:30  
1044 Pears Building - Level 00 - North Elevation

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_

Sign. \_\_\_\_\_

Print \_\_\_\_\_

A- Proceed no comments

B- Incorporate comments & proceed

C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

Note: Elevation Viewed Externally	
-----------------------------------	--

A	For Approval	20.05.19
---	--------------	----------

	Revised based on Hopkins comments	
--	-----------------------------------	--

-	Preliminary Issue	05.03.19
---	-------------------	----------

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Type 17 A&B (1/4)
------------	-------------------

	Glazing Elevation - Phase 03
--	------------------------------

Job Reference	Pears Building
---------------	----------------

	Royal Free Hospital
--	---------------------

Customer	Willmott Dixon
----------	----------------

Scale	1:40	Paper	A3
-------	------	-------	----

Drawn By	J.C	Date	01.03.19
----------	-----	------	----------

Chkd. Design		Chkd. Contracts	
--------------	--	-----------------	--

Job No.	C-2050
---------	--------

Drwg. No.	1044	Rev.	A
-----------	------	------	---



REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns

Schuco-Interpon D

Type 17A & 17B

C/Wall Specification

To be constructed from thermally broken Schuco FWS50

Curtain Wall System

Transom Connections - Spring 2,1Kn - 226083

Transom Connections - T Cleats "Corners" - 175780

Mullion (150mm) - 323490

Transom (155mm) - 322440

Mullion Cap (15mm) - 112720

Transom Cap (12mm) - 160620

Pressure Plate - 477600

Thermal Break - 224810

Spigot (128mm) - 322750

Bi Parting Sliding Door Specification;

To be constructed from Non-thermally broken

Commercial door system /Kawneer ACS Commercial system

Design Windload 0.8Kn

To Be Fitted With:(Silver Finish - EV1)

- Cylinder / Centre Point Lock

- Double Ramped Threshold

High-Performance electromechanical sliding door operator Horton 2003

- Safety Sensors with Key Switch Functions (Off/Exit Only/Hold Open/

Fully Automatic)

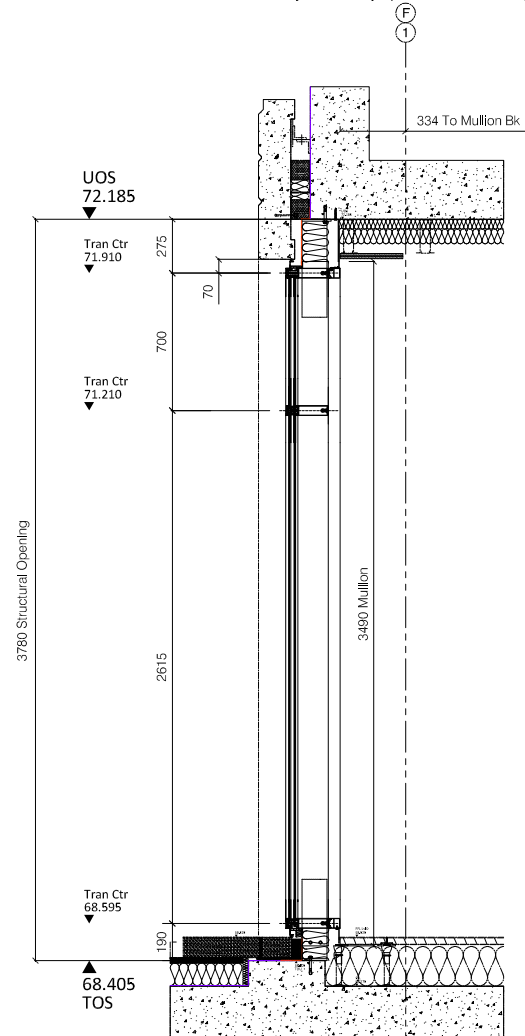
- Key Switch wall mounted.

- Infrared IXIO Combi sensor for Entry & Exit

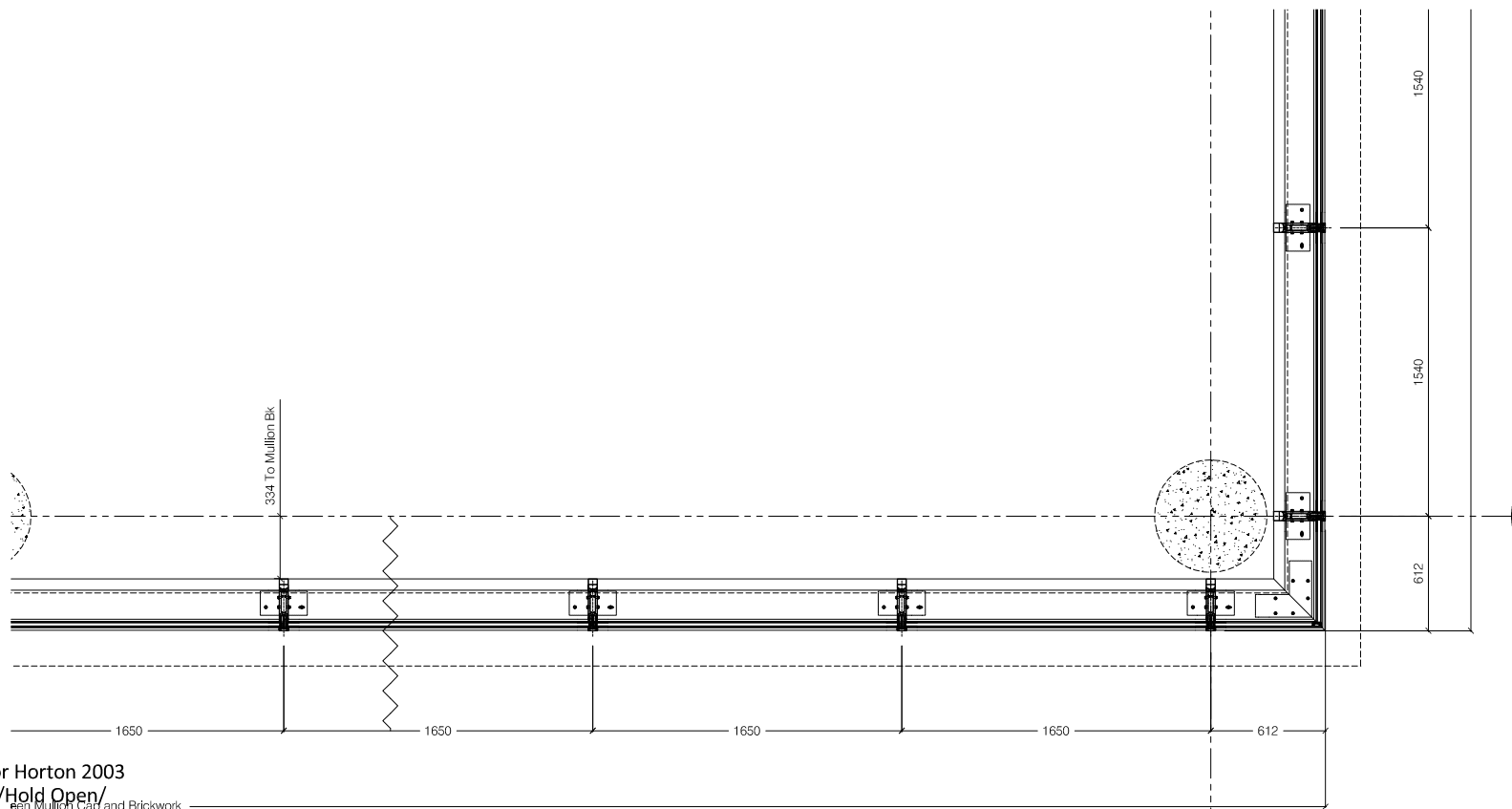
- Linked to fire alarm for Fail safe (closed)

- Internal Safety Barriers

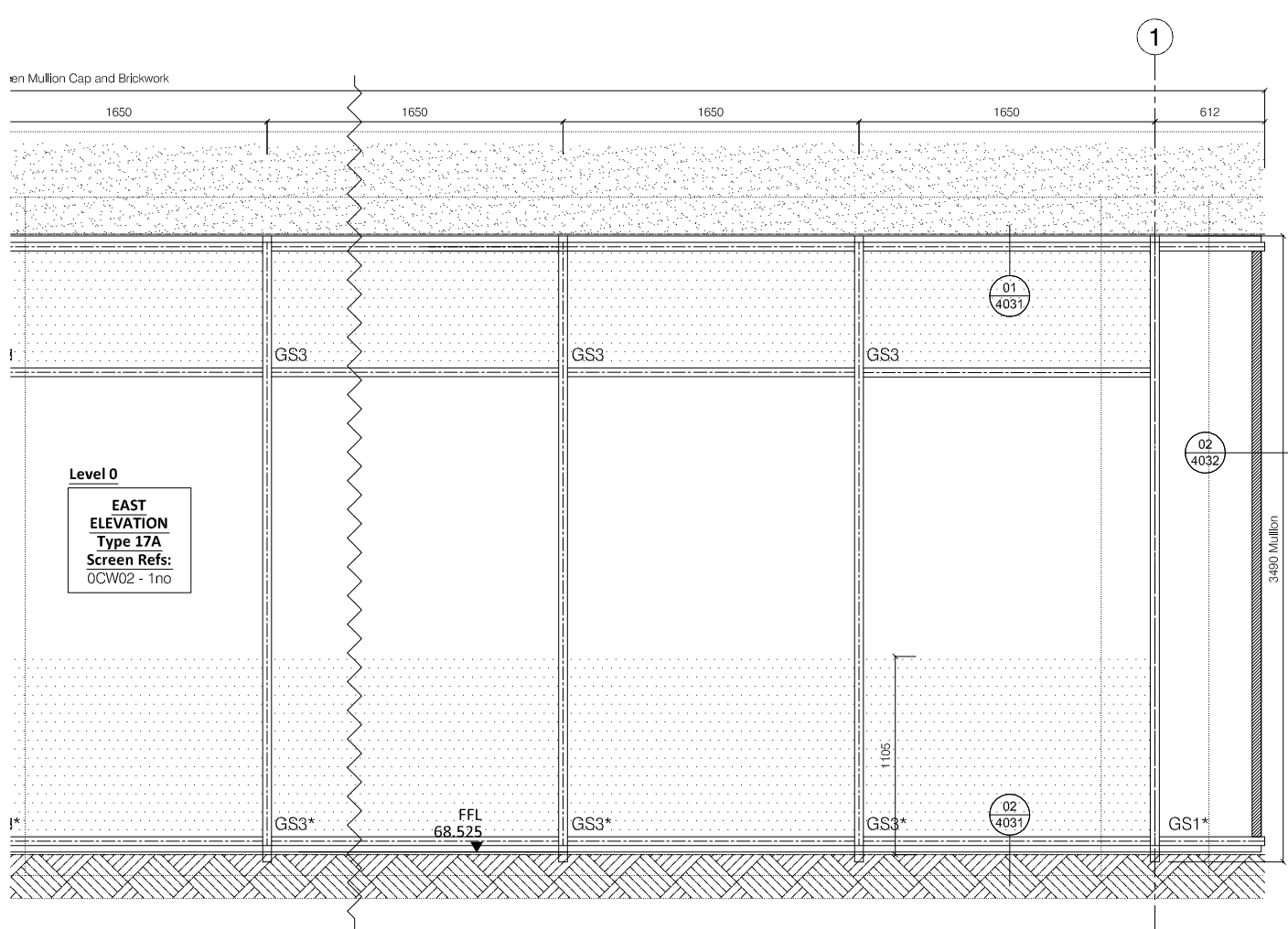
- Cable/Connections & Battery Back up (inc Fire Alarm) by others



01  
1045 Section Th'ro For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation



03  
1045 Enlarged Plan For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation



02  
1045 Enlarged Elevation For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_

Sign. \_\_\_\_\_

Print \_\_\_\_\_

A- Proceed no comments

B- Incorporate comments & proceed

C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

	Note: Elevation Viewed Externally	
--	-----------------------------------	--

A	For Approval	20.05.19
---	--------------	----------

	Revised based on Hopkins comments	
--	-----------------------------------	--

-	Preliminary Issue	05.03.19
---	-------------------	----------

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Type 17 A&B (2/4)
------------	-------------------

	Glazing Elevation - Phase 03
--	------------------------------

Job	Pears Building
-----	----------------

Reference	Royal Free Hospital
-----------	---------------------

Customer	Willmott Dixon
----------	----------------

Scale	1:40	Paper	A3
-------	------	-------	----

Drawn By	J.C	Date	01.03.19
----------	-----	------	----------

Chkd. Design		Chkd. Contracts	
--------------	--	-----------------	--

Job No.	C-2050
---------	--------

Drwg. No.	1045	Rev.	A
-----------	------	------	---

REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns

Schuco-Interpon D

Type 17A & 17B

C/Wall Specification

To be constructed from thermally broken Schuco FWS50

Curtain Wall System

Transom Connections - Spring 2,1Kn - 226083

Transom Connections - T Cleats "Corners" - 175780

Mullion (150mm) - 323490

Transom (155mm) - 322440

Mullion Cap (15mm) - 112720

Transom Cap (12mm) - 160620

Pressure Plate - 477600

Thermal Break - 224810

Spigot (128mm) - 322750

Bi Parting Sliding Door Specification;

To be constructed from Non-thermally broken

Commercial door system /Kawneer ACS Commercial system

Design Windload 0.8Kn

To Be Fitted With:(Silver Finish - EV1)

- Cylinder / Centre Point Lock

- Double Ramped Threshold

High-Performance electromechanical sliding door operator Horton 2003

- Safety Sensors with Key Switch Functions (Off/Exit Only/Hold Open/

Fully Automatic)

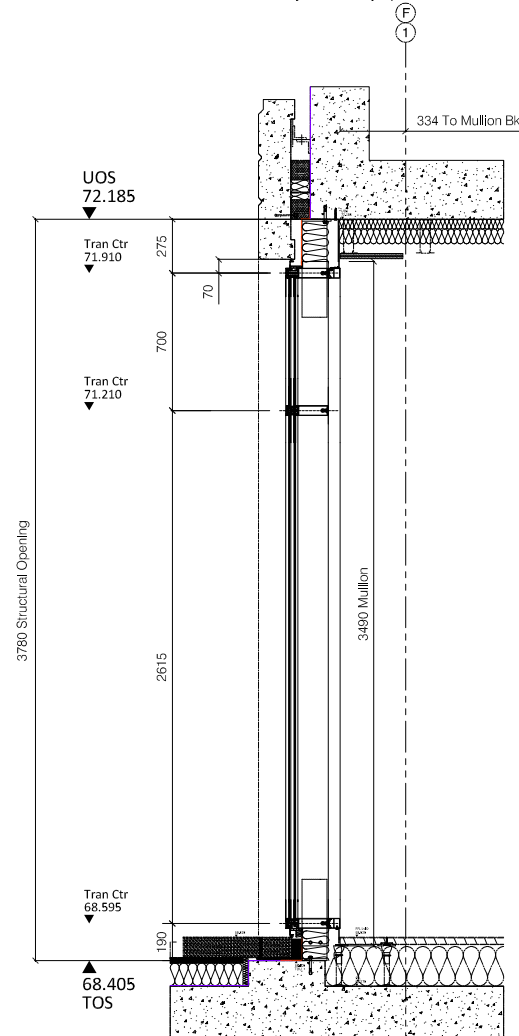
- Key Switch wall mounted.

- Infrared IXIO Combi sensor for Entry & Exit

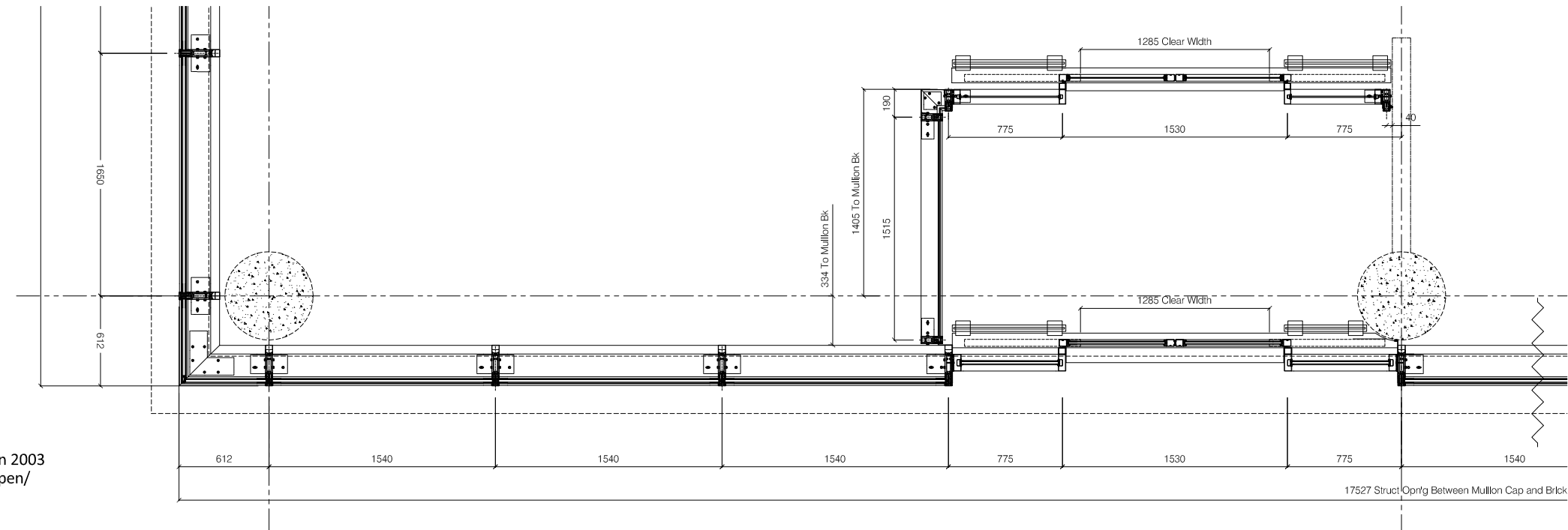
- Linked to fire alarm for Fail safe (closed)

- Internal Safety Barriers

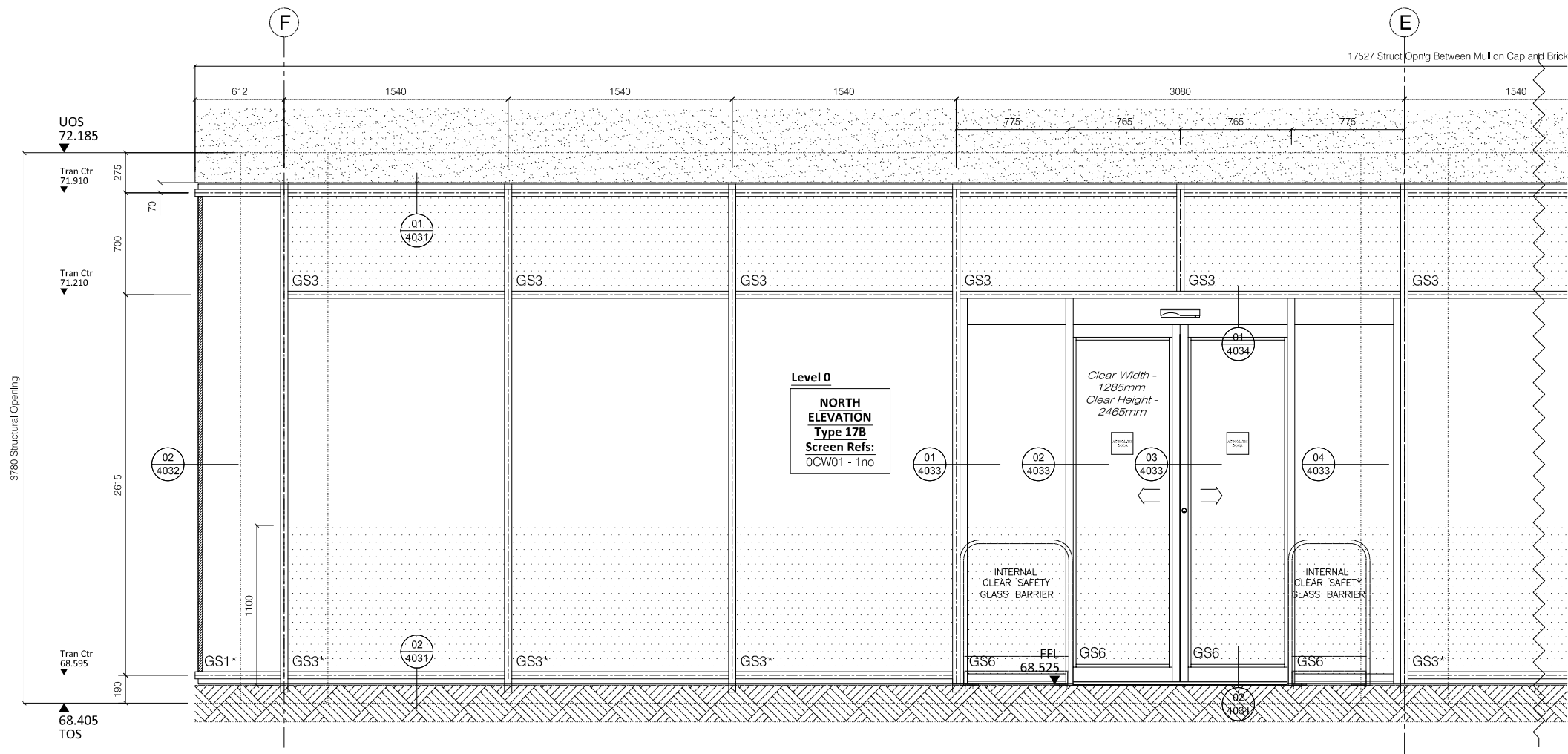
- Cable/Connections & Battery Back up (inc Fire Alarm) by others



01  
1046 Section Th'ro For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation



03  
1046 Enlarged Plan For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation



02  
1046 Enlarged Elevation For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_

Sign. \_\_\_\_\_

Print \_\_\_\_\_

A- Proceed no comments

B- Incorporate comments & proceed

C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

Note: Elevation Viewed Externally	
-----------------------------------	--

A	For Approval	20.05.19
---	--------------	----------

	Revised based on Hopkins comments	
--	-----------------------------------	--

-	Preliminary Issue	05.03.19
---	-------------------	----------

Norman Underwood

Norman & Underwood

170 Scudamore Road

Leicester LE3 1HP

Tel: 0116 2318000

Fax: 0116 2318005

Web site: www.nandu.co.uk

Drwg Title	Type 17 A&B (3/4)
------------	-------------------

	Glazing Elevation - Phase 03
--	------------------------------

Job	Pears Building
-----	----------------

Reference	Royal Free Hospital
-----------	---------------------

Customer	Willmott Dixon
----------	----------------

Scale	1:40	Paper	A3
-------	------	-------	----

Drawn By	J.C	Date	01.03.19
----------	-----	------	----------

Chkd. Design		Chkd. Contracts	
--------------	--	-----------------	--

Job No.	C-2050
---------	--------

Drwg. No.	1046	Rev.	A
-----------	------	------	---

REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns

Schuco-Interpon D

Type 17A & 17B

C/Wall Specification

To be constructed from thermally broken Schuco FWS50

Curtain Wall System

Transom Connections - Spring 2,1Kn - 226083

Transom Connections - T Cleats "Corners" - 175780

Mullion (150mm) - 323490

Transom (155mm) - 322440

Mullion Cap (15mm) - 112720

Transom Cap (12mm) - 160620

Pressure Plate - 477600

Thermal Break - 224810

Spigot (128mm) - 322750

Bi Parting Sliding Door Specification;

To be constructed from Non-thermally broken

Commercial door system /Kawneer ACS Commercial system

Design Windload 0.8Kn

To Be Fitted With:(Silver Finish - EV1)

- Cylinder / Centre Point Lock

- Double Ramped Threshold

High-Performance electromechanical sliding door operator Horton 2003<sup>s</sup>

- Safety Sensors with Key Switch Functions (Off/Exit Only/Hold Open/

Fully Automatic)

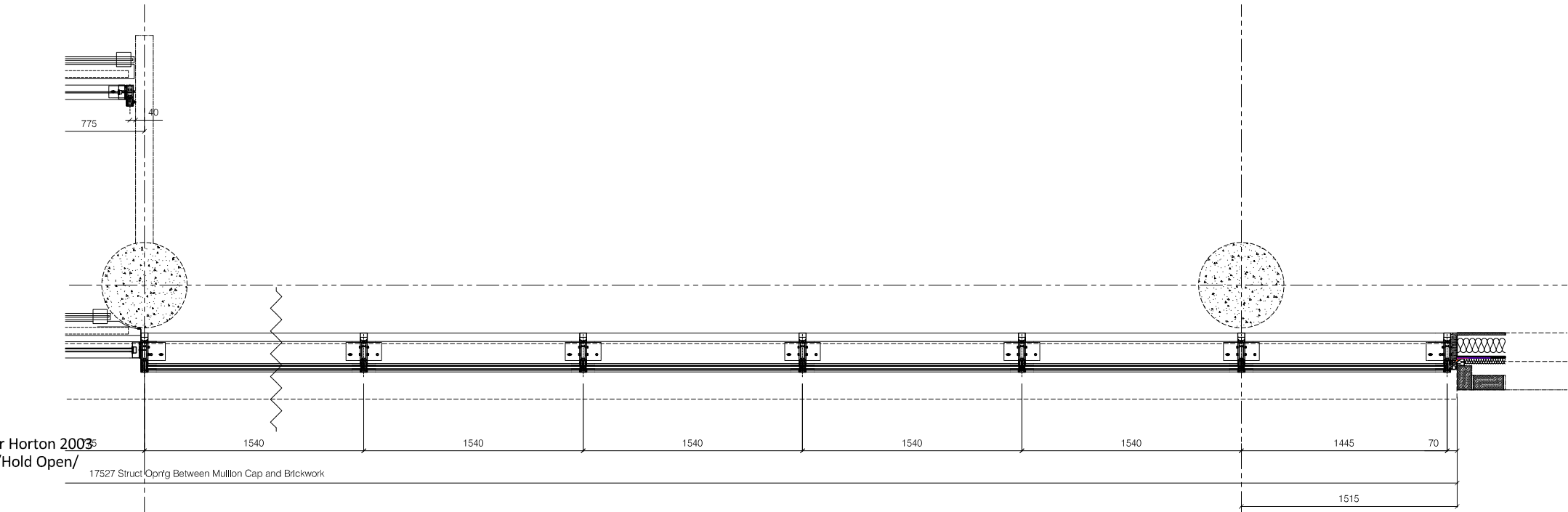
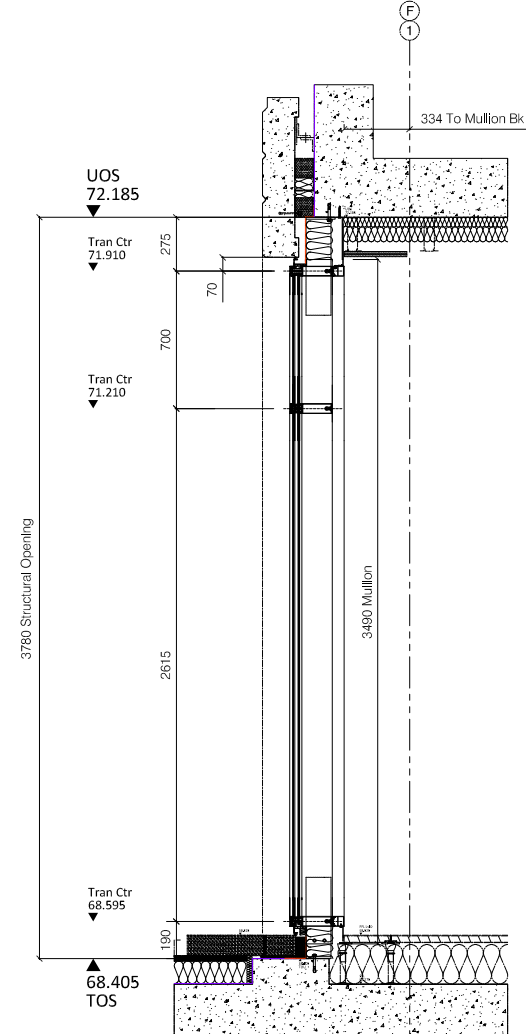
- Key Switch wall mounted.

- Infrared IXIO Combi sensor for Entry & Exit

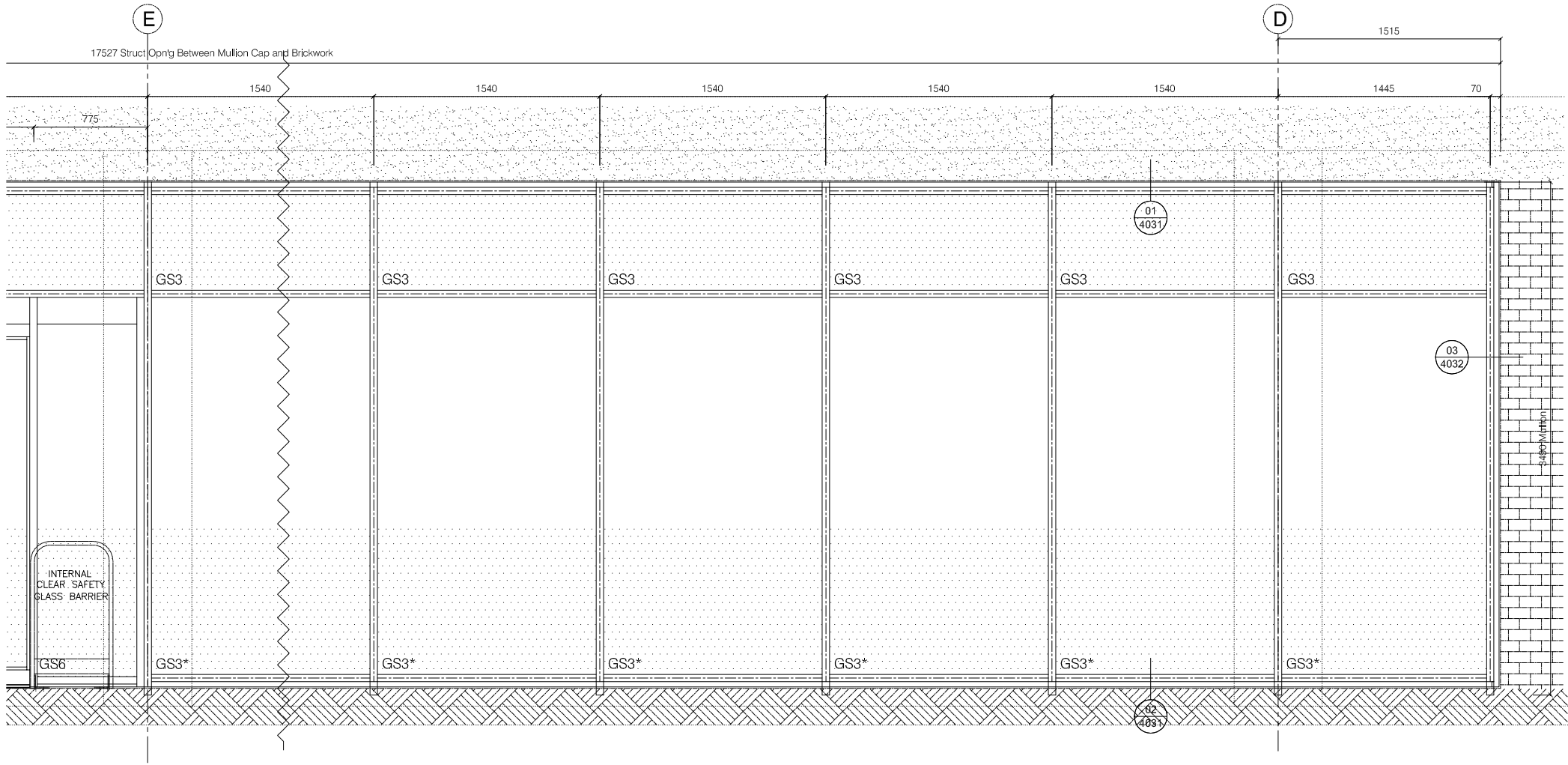
- Linked to fire alarm for Fail safe (closed)

- Internal Safety Barriers

- Cable/Connections & Battery Back up (inc Fire Alarm) by others



03  
1047 Enlarged Plan For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation



02  
1047 Enlarged Elevation For Type 17 - 1:30  
Pears Building - Level 00 - North Elevation

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_

Sign. \_\_\_\_\_

Print \_\_\_\_\_

A- Proceed no comments

B- Incorporate comments & proceed

C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

	Note: Elevation Viewed Externally	
--	-----------------------------------	--

A	For Approval	20.05.19
---	--------------	----------

	Revised based on Hopkins comments	
--	-----------------------------------	--

-	Preliminary Issue	05.03.19
---	-------------------	----------

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Type 17 A&B (4/4)
------------	-------------------

	Glazing Elevation - Phase 03
--	------------------------------

Job	Pears Building
-----	----------------

Reference	Royal Free Hospital
-----------	---------------------

Customer	Willmott Dixon
----------	----------------

Scale	1:40	Paper	A3
-------	------	-------	----

Drawn By	J.C	Date	01.03.19
----------	-----	------	----------

Chkd. Design		Chkd. Contracts	
--------------	--	-----------------	--

Job No.	C-2050
---------	--------

Drwg. No.	1047
-----------	------

Rev.	A
------	---



PPC RAL 7012 Matt Min. 40 Microns  
Schuco-Interpon D

To be constructed from thermally broken Schuco FWS50  
Curtain Wall System

Transom Connections - Spring 2,1Kn - 226083

Mullion (105mm) - 323470  
Transom (110mm) - 322420  
Mullion Cap (15mm) - 112720  
Transom Cap (12mm) - 160620  
Pressure Plate - 477600  
Spigot - 322730

To be constructed from Non-thermally broken  
Commercial door system /Kawneer ACS Commercial system

Design Windload  $0.8 \text{ Kn}$

- Cylinder / Centre Point Lock
- Double Ramped Threshold

- Key Switch wall mounted.
- Infrared IXIO Combi sensor for Entry & Exit
- Linked to fire alarm for Fail safe (closed)
- Internal Safety Barriers

- Cable/Connections & Battery Back up (inc Fire Alarm) by others



Note: Elevation Viewed Externally

Norman Underwood

Wg. No.	1048	Re
---------	------	----

REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns  
Schuco-Interpon D

C/Wall Specification

To be constructed from thermally broken Schuco FW50 SG+  
Curtain Wall System

Transom Connections - Spring - 226083  
Heavy Duty Glazing Table - 242358 - 2.2Kn  
Standard Glazing Table - 266675 - 1.25kn  
Cruciform Glazing Table - 268264 - 6.75kn

Mullion (225mm) - 336230  
Transom (230mm) - 449600  
Mushroom - 242524  
Thermal Break - 224807  
Spigot (203mm) - 336250

Auto Sliding Door Specification;

To be constructed from thermally broken  
Schuco ASS77 PD Hi Commercial door system

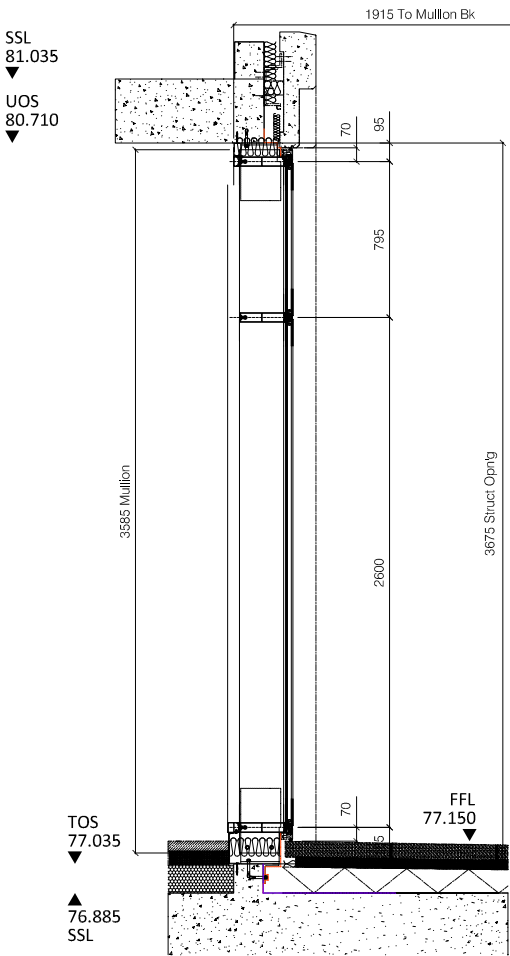
Design Windload 0.9Kn

Frame - 435950  
Meeting Stile - 447240  
Center Meeting Stile - 447260  
To Be Fitted With:(Silver Finish - EV1)

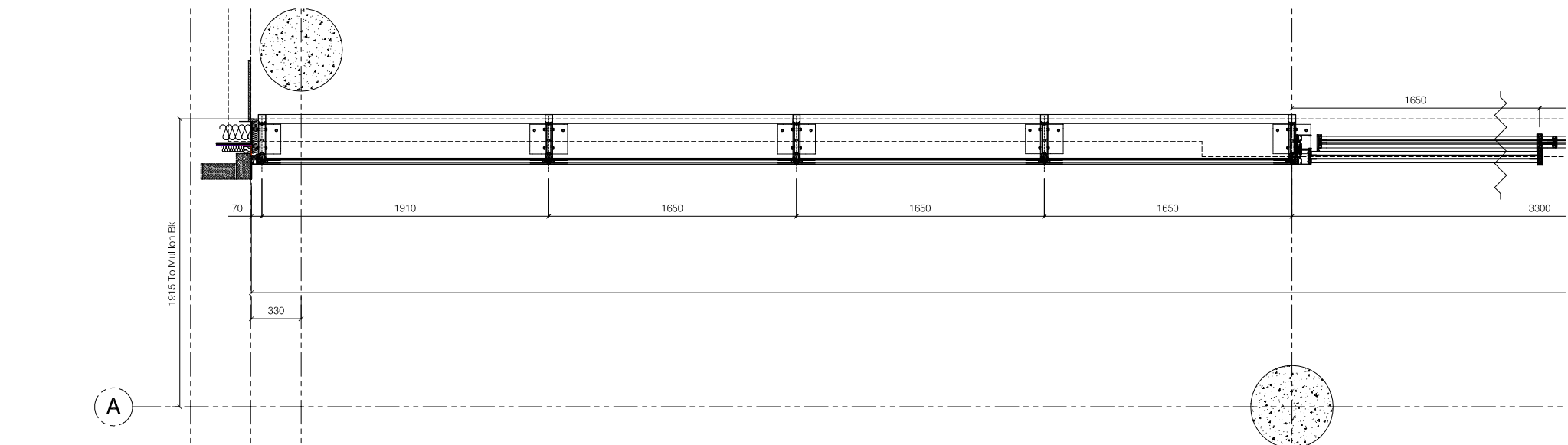
- Multi Point Locking
- Rollers

High-Performance electromechanical sliding door operator  
- Safety Sensors with Key Switch Functions (Off/Exit Only/Hold Fully Automatic)  
- Key Switch wall mounted.  
- Linked to fire alarm for Fail safe (open)  
- Battery back up

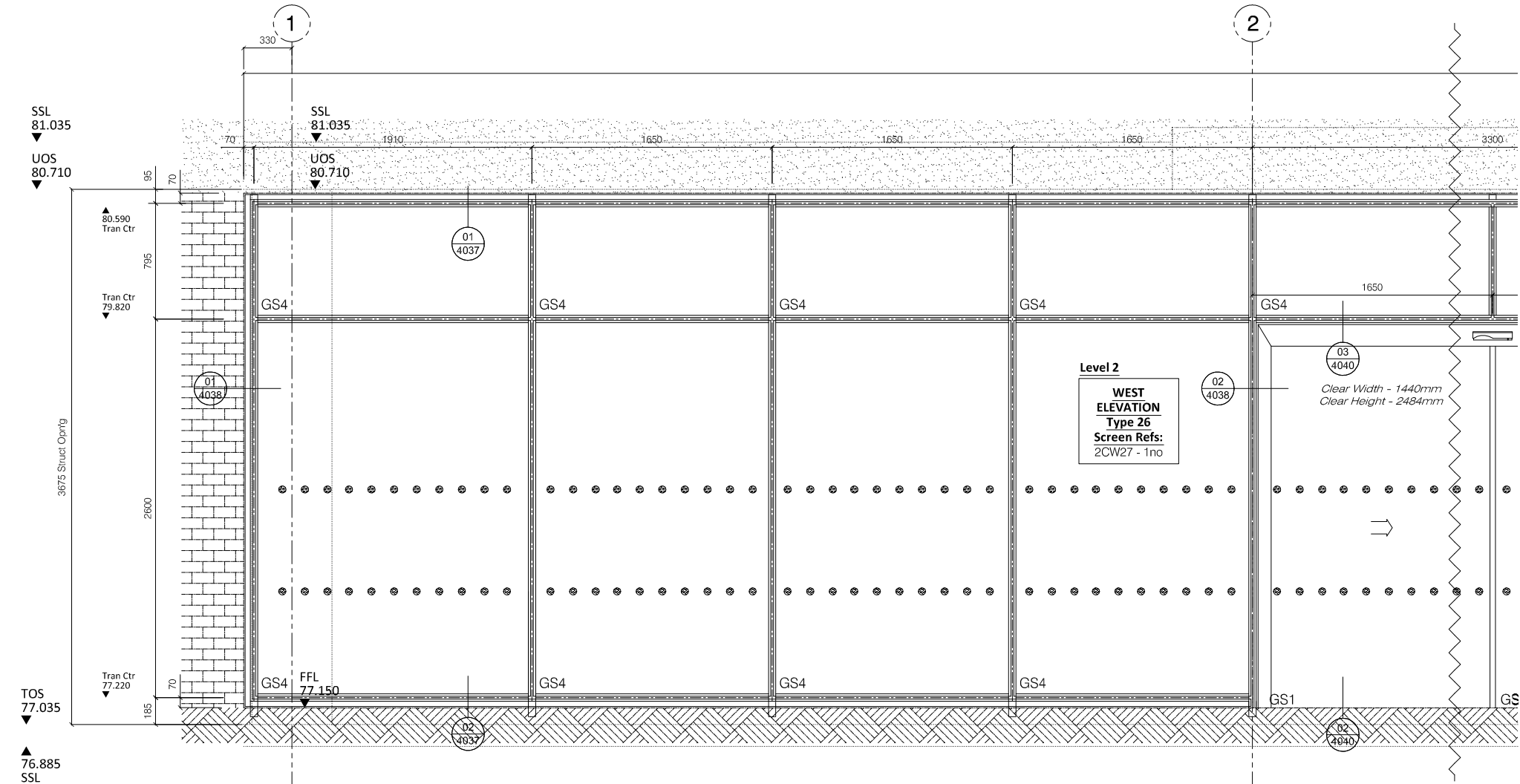
- Cable & Connections (inc Fire Alarm) by others
- Internal/External Push button for operation by others



01  
1049 Section Th'ro For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation



03  
1049 Enlarged Plan For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation



02  
1049 Enlarged Elevation For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

	Note: Elevation Viewed Externally	
--	-----------------------------------	--

A	For Approval Revised based on Hopkins comments	20.05.19
---	---	----------

-	Preliminary Issue	05.03.19
---	-------------------	----------

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Type 26 (1/3) Glazing Elevation - Phase 03
------------	---

Job Reference	Pears Building Royal Free Hospital
---------------	---------------------------------------

Customer	Willmott Dixon
----------	----------------

Scale	1:40	Paper	A3
-------	------	-------	----

Drawn By	J.C	Date	01.03.19
----------	-----	------	----------

Chkd. Design		Chkd. Contracts	
--------------	--	-----------------	--

Job No.	C-2050
---------	--------

Drwg. No.	1049	Rev.	A
-----------	------	------	---

REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns  
Schuco-Interpon D

C/Wall Specification

To be constructed from thermally broken Schuco FW50 SG+  
Curtain Wall System

Transom Connections - Spring - 226083  
Heavy Duty Glazing Table - 242358 - 2.2Kn  
Standard Glazing Table - 266675 - 1.25kn  
Cruciform Glazing Table - 268264 - 6.75kn

Mullion (225mm) - 336230  
Transom (230mm) - 449600  
Mushroom - 242524  
Thermal Break - 224807  
Spigot (203mm) - 336250

Manefestaion:  
50mm Dia Circles @ 150mm Ctr's (Frosted) adhesive,  
applied internally 1500mm & 800mm AFFL

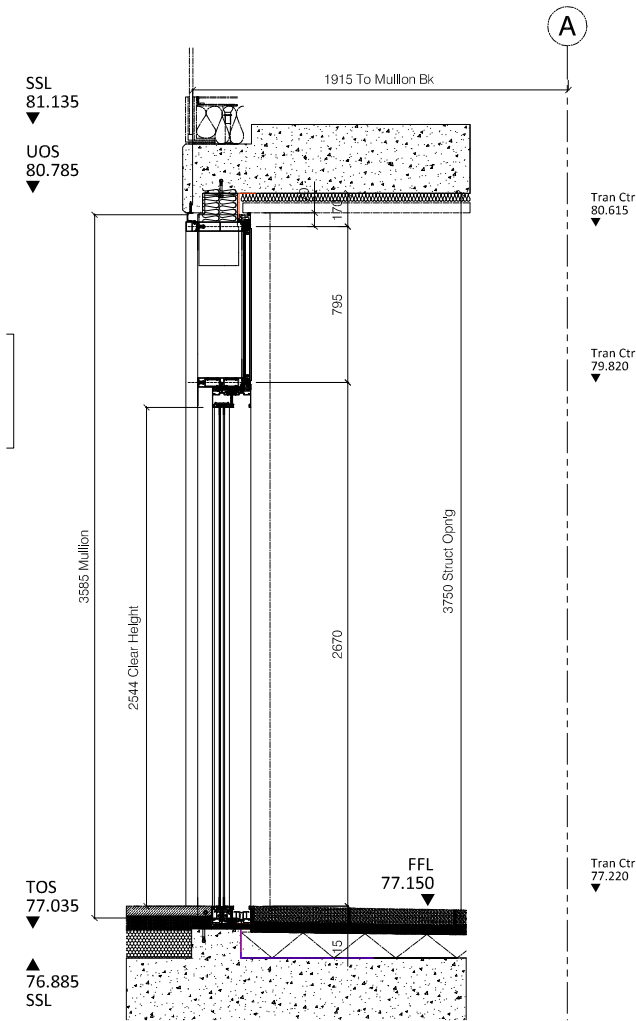
Manual Sliding Door Specification;

To be constructed from thermally broken  
Schuco ASS77 PD Hi Commercial door system

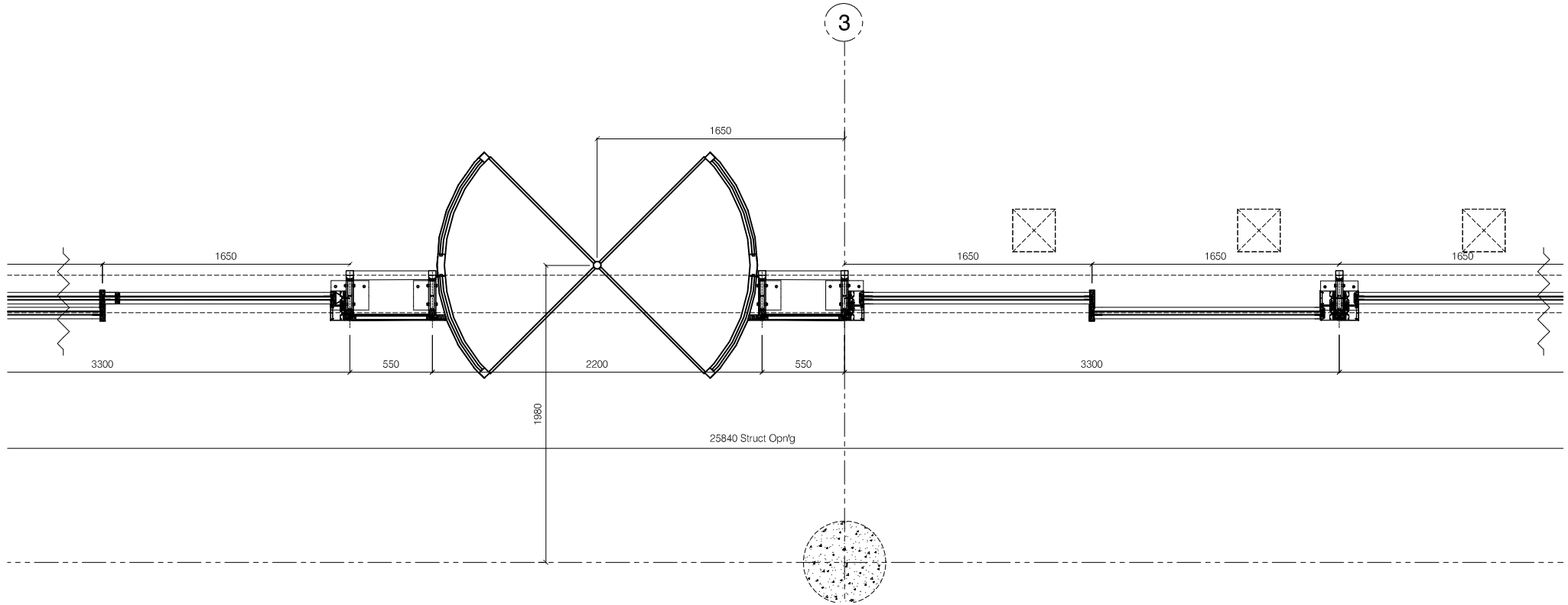
Design Windload 0.9Kn

Frame - 435950  
Meeting Stile - 447240  
Center Meeting Stile - 447260  
To Be Fitted With:(Silver Finish - EV1)

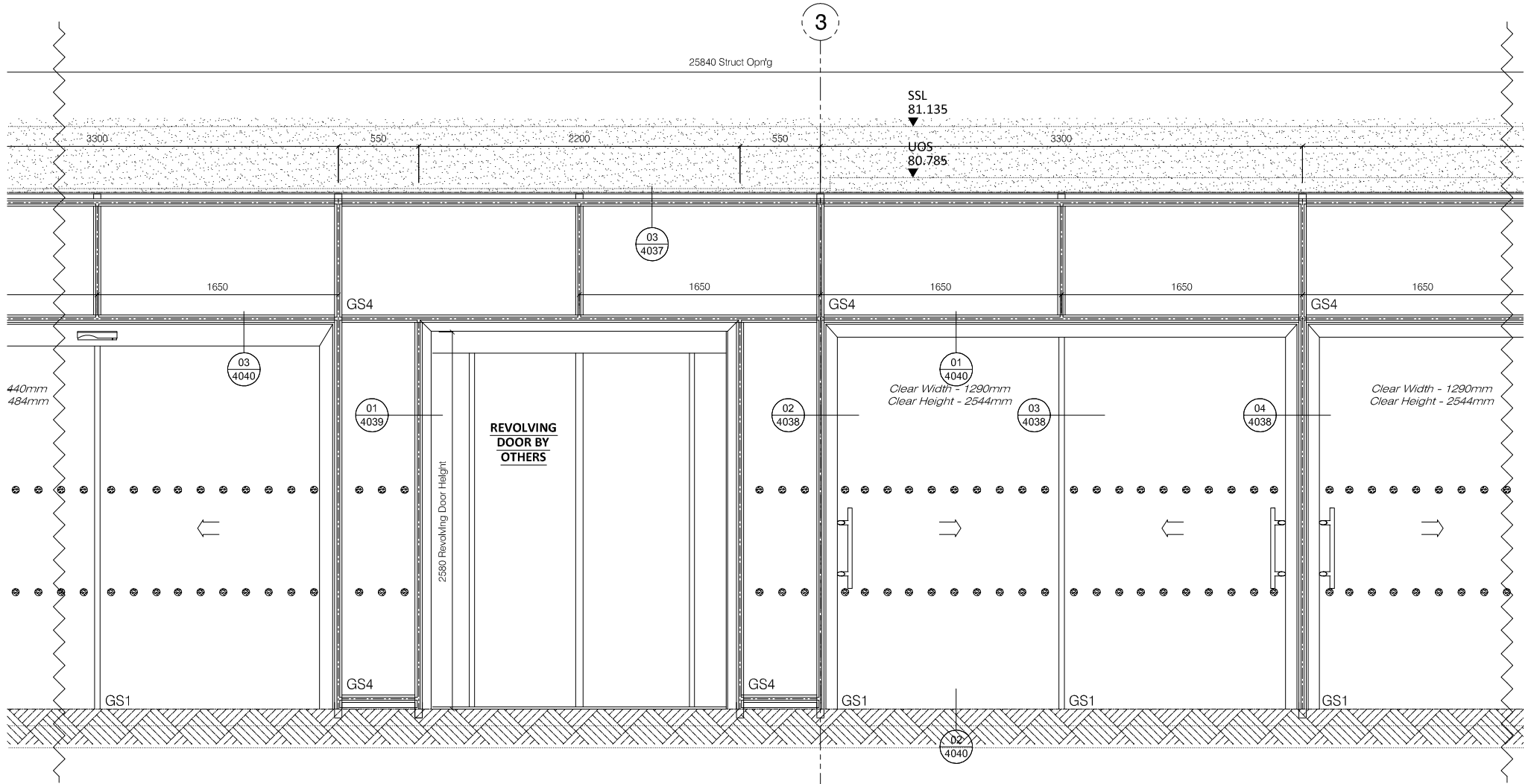
- Internal Thumb Cylinder
- Multi Point Locking
- Rollers
- Stainless Steel Internal & External Push Bar 550/350



01  
1050 Section Th'ro For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation



03  
1050 Enlarged Plan For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation



02  
1050 Enlarged Elevation For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_

Sign. \_\_\_\_\_

Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

Note: Elevation Viewed Externally

A	For Approval	20.05.19
---	--------------	----------

Revised based on Hopkins comments

-	Preliminary Issue	05.03.19
---	-------------------	----------

Norman Underwood

Norman & Underwood

170 Scudamore Road

Leicester LE3 1HP

Tel: 0116 2318000

Fax: 0116 2318005

Web site: www.nandu.co.uk

Drwg Title	Type 26 (2/3)
------------	---------------

Glazing Elevation - Phase 03

Job Reference	Pears Building
---------------	----------------

Customer	Willmott Dixon
----------	----------------

Scale	1:40	Paper	A3
-------	------	-------	----

Drawn By	J.C	Date	01.03.19
----------	-----	------	----------

Chkd. Design		Chkd. Contracts	
--------------	--	-----------------	--

Job No.	C-2050
---------	--------

Drwg. No.	1050	Rev.	A
-----------	------	------	---



REFER TO DWG SP01 FOR  
GLASS SPECIFICATIONS (E.g GS1, GS2 etc)

ALL ALUMINIUM PROFILES TO BE:

PPC RAL 7012 Matt Min. 40 Microns  
Schuco-Interpon D

C/Wall Specification

To be constructed from thermally broken Schuco FW50 SG+  
Curtain Wall System

Transom Connections - Spring - 226083  
Heavy Duty Glazing Table - 242358 - 2.2Kn  
Standard Glazing Table - 266675 - 1.25kn  
Cruciform Glazing Table - 268264 - 6.75kn

Mullion (225mm) - 336230  
Transom (230mm) - 449600  
Mushroom - 242524  
Thermal Break - 224807  
Spigot (203mm) - 336250

Manefestaion:  
50mm Dia Circles @ 150mm Ctr's (Frosted) adhesive,  
applied internally 1500mm & 800mm AFFL

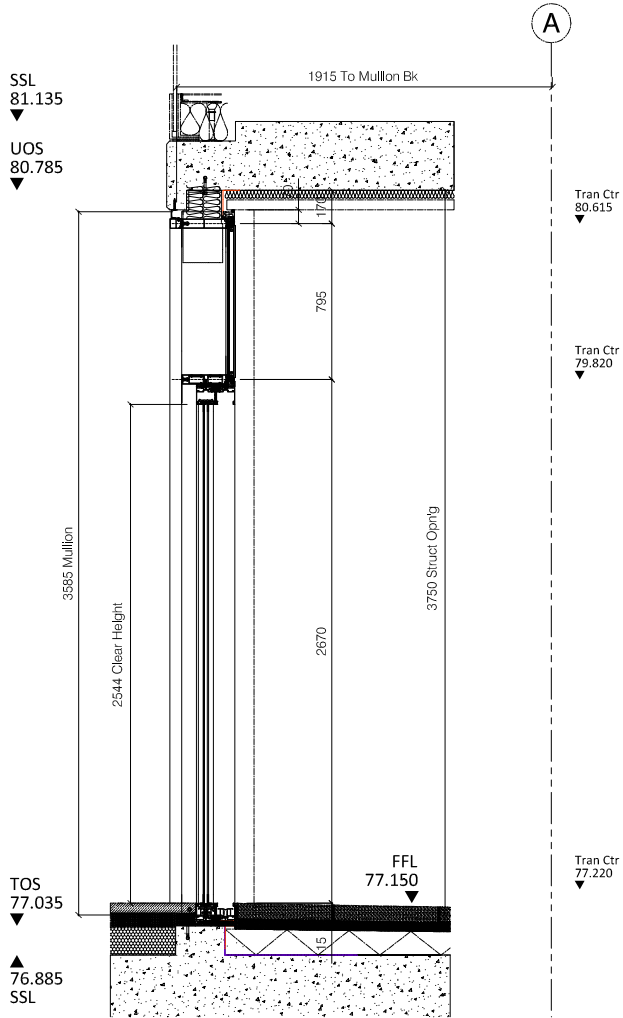
Manual Sliding Door Specification;

To be constructed from thermally broken  
Schuco ASS77 PD Hi Commercial door system

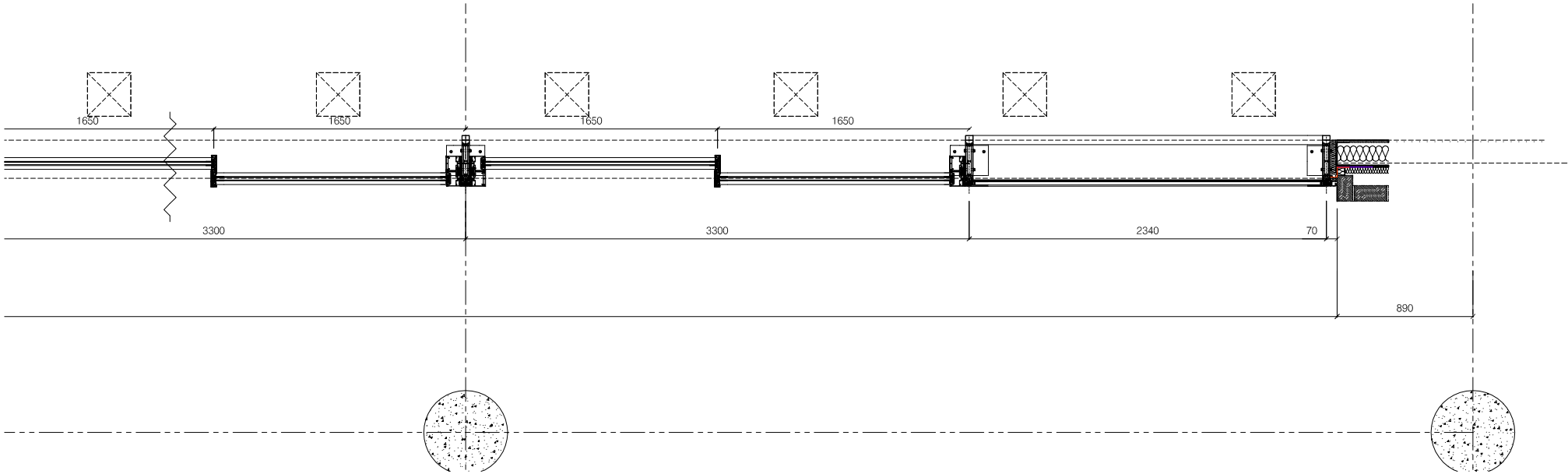
Design Windload 0.9Kn

Frame - 435950  
Meeting Stile - 447240  
Center Meeting Stile - 447260  
To Be Fitted With:(Silver Finish - EV1)

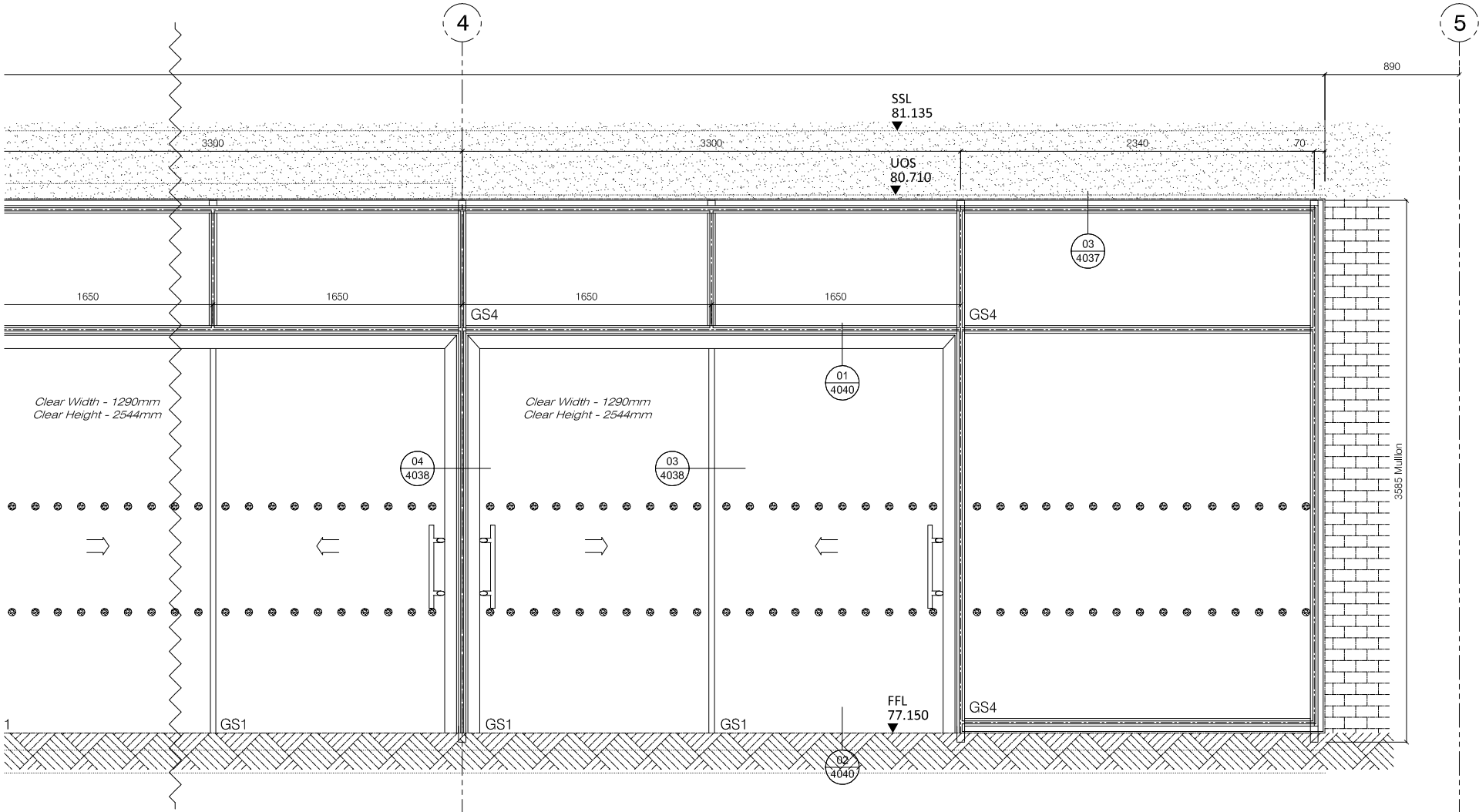
- Internal Thumb Cylinder
- Multi Point Locking
- Rollers
- Stainless Steel Internal & External Push Bar 550/350



01  
1051 Section Th'ro For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation



03  
1051 Enlarged Plan For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation



02  
1051 Enlarged Elevation For Type 26 - 1:30  
Pears Building - Level 02 - West Elevation

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format		
Ltr	Description	Date
	Note: Elevation Viewed Externally	

A	For Approval Revised based on Hopkins comments	20.05.19
-	Preliminary Issue	05.03.19

Norman Underwood

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Type 26 (3/3) Glazing Elevation - Phase 03	
Job Reference	Pears Building Royal Free Hospital	
Customer	Willmott Dixon	
Scale	1:40	Paper A3
Drawn By	J.C	Date 01.03.19
Chkd. Design		Chkd. Contracts
Job No.	C-2050	
Drwg. No.	1051	Rev. A

PPC RAL **TBC** Min. 40 Microns  
Schuco-Interpon D

To be constructed from thermally broken Schuco FWS60 Hi  
Curtain Wall System

Mullion (175mm) - 324270  
Purlin (180mm) - 324500  
Mullion Cap (15mm) - 162180  
Purlin Cap (12mm) - 162170  
Pressure Plate - 477600/477740  
Thermal Break - 268766  
Spigot (153mm) - 324340

To be constructed from thermally broken  
Schuco AWS70 Hi commercial window system

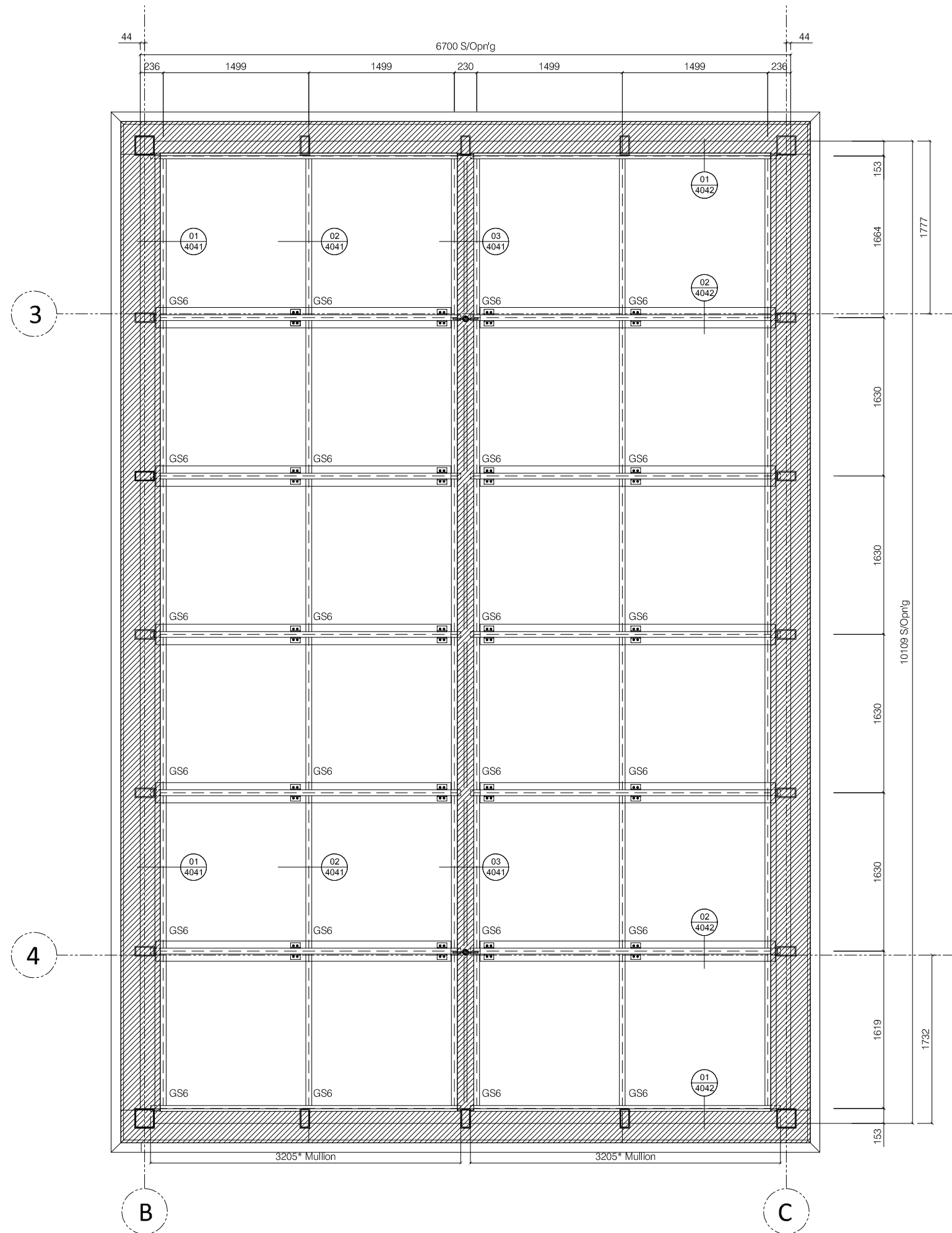
**Opn'g Vent Fitted With;**  
**Butt Hinges (Silver Finish) - 248807**  
*Single Chain Actuator 300mm Geze Slimchain (Cables/ME to be connected by others)*  
**NO WEATHER RATING - THIRD PARTY ACTUATOR**

Note: Window Handing Point to Hinge

30.8mm O/A Double Glazed insulating Unit consisting of  
Outer Pane: 6mm Guardian ExtraClear Toughened HST Low E (Climaguard A1.0-Face 2)  
Cavity: 16mm Black Warm Edge Spacer , Argon Filled  
Inner Pane: 8.8mm Guardian ExtraClear Laminate with PVB Noise Reduction Interlayer

**Outer Pane:** 29mm Laminate comprising of;  
10mm Toughened HST  
1.52mm PVB Clear Interlayer  
8mm Toughened HST SN29/18 - Face 4  
1.52mm PVB Clear Interlayer  
8mm Toughened Clear HST

**Inner Pane: 17.5mm Laminate comprising of;**  
8mm Heat Strengthened  
1.52mm SGP Clear Interlayer  
8mm Heat Strengthened



01 Plan For Atrium Rooflight - 1:50  
1052 Pears Building , Royal Free Hospital

Architectural Status - Please Advise

☐ B ☐ C ☐

te \_\_\_\_\_  
n. \_\_\_\_\_  
nt \_\_\_\_\_

Proceed no comments  
Incorporate comments & proceed  
Resubmit for approval

## Divisions Format

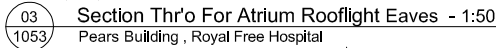
Description	Date
Note: Elevation Viewed Externally	

--	--

Norman Underwood

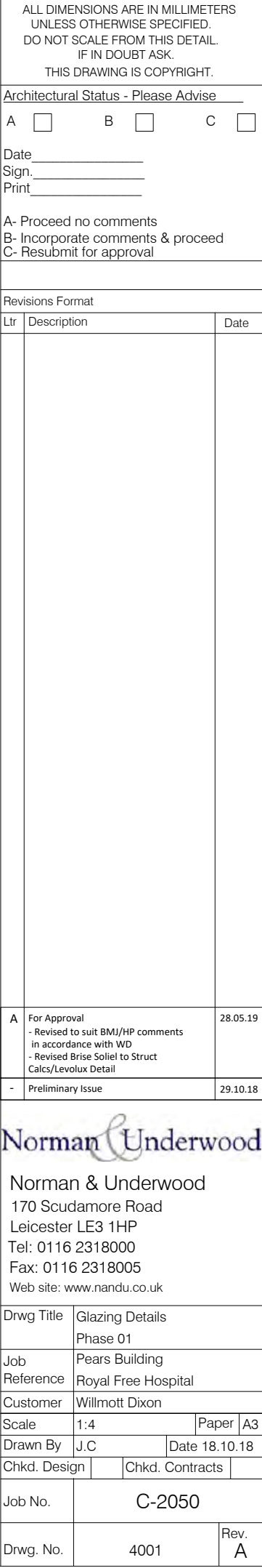
**Norman & Underwood**  
70 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: [www.nandu.co.uk](http://www.nandu.co.uk)

Project Title	Atrium Rooflight		
Project Description	Glazing Elevation - Phase 04		
Reference	Pears Building		
Customer	Royal Free Hospital		
Architect	Willmott Dixon		
Issue Date	1:50/1:4	Paper	A3
Drawn By	J.C	Date	11.03.19
Chkd. Design		Chkd. Contracts	
Doc No.	C-2050		
Rev. No.	1052	Rev.	-

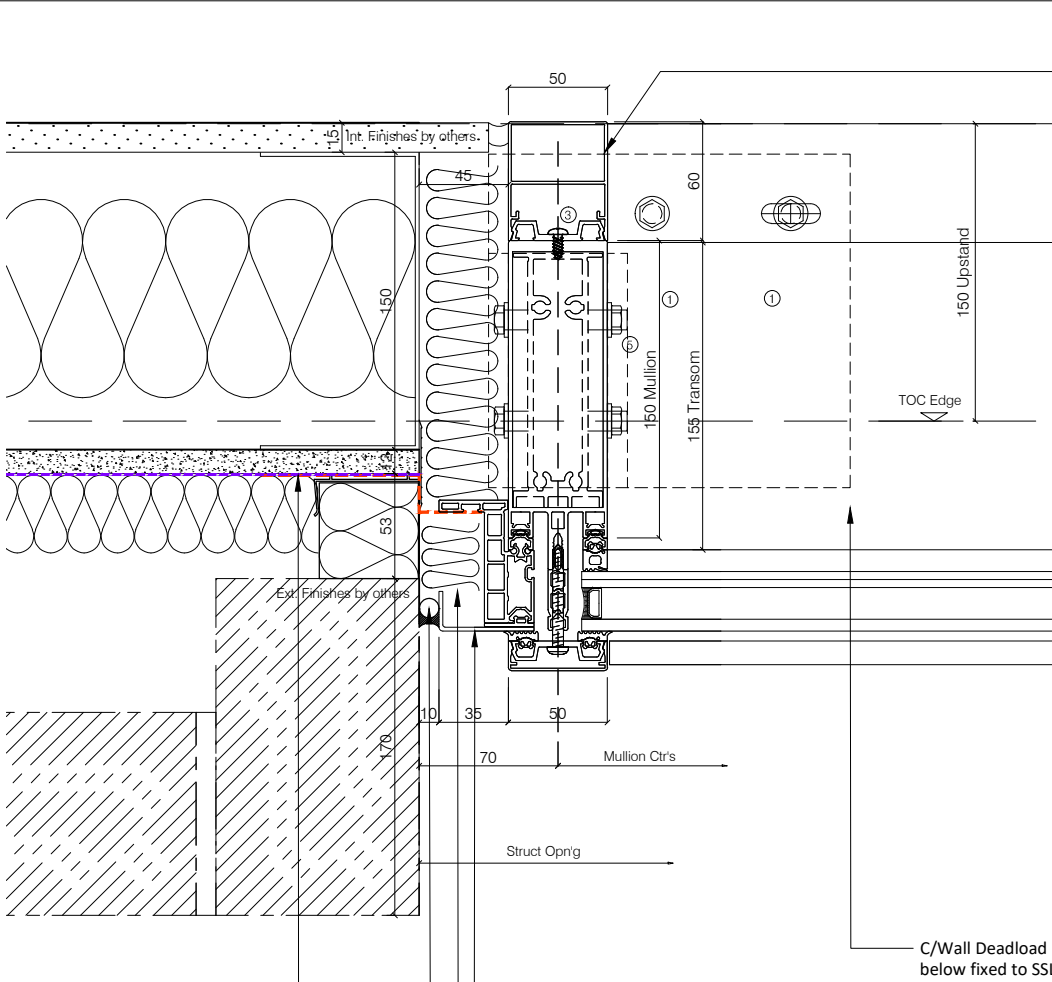


Drwg. No.	1052	-
-----------	------	---

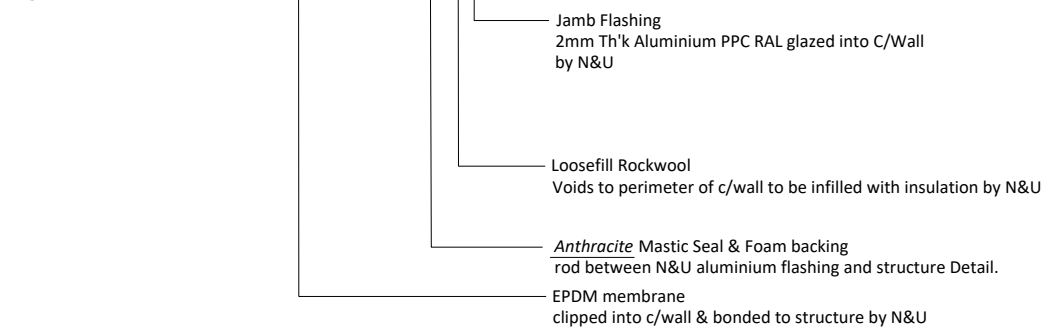




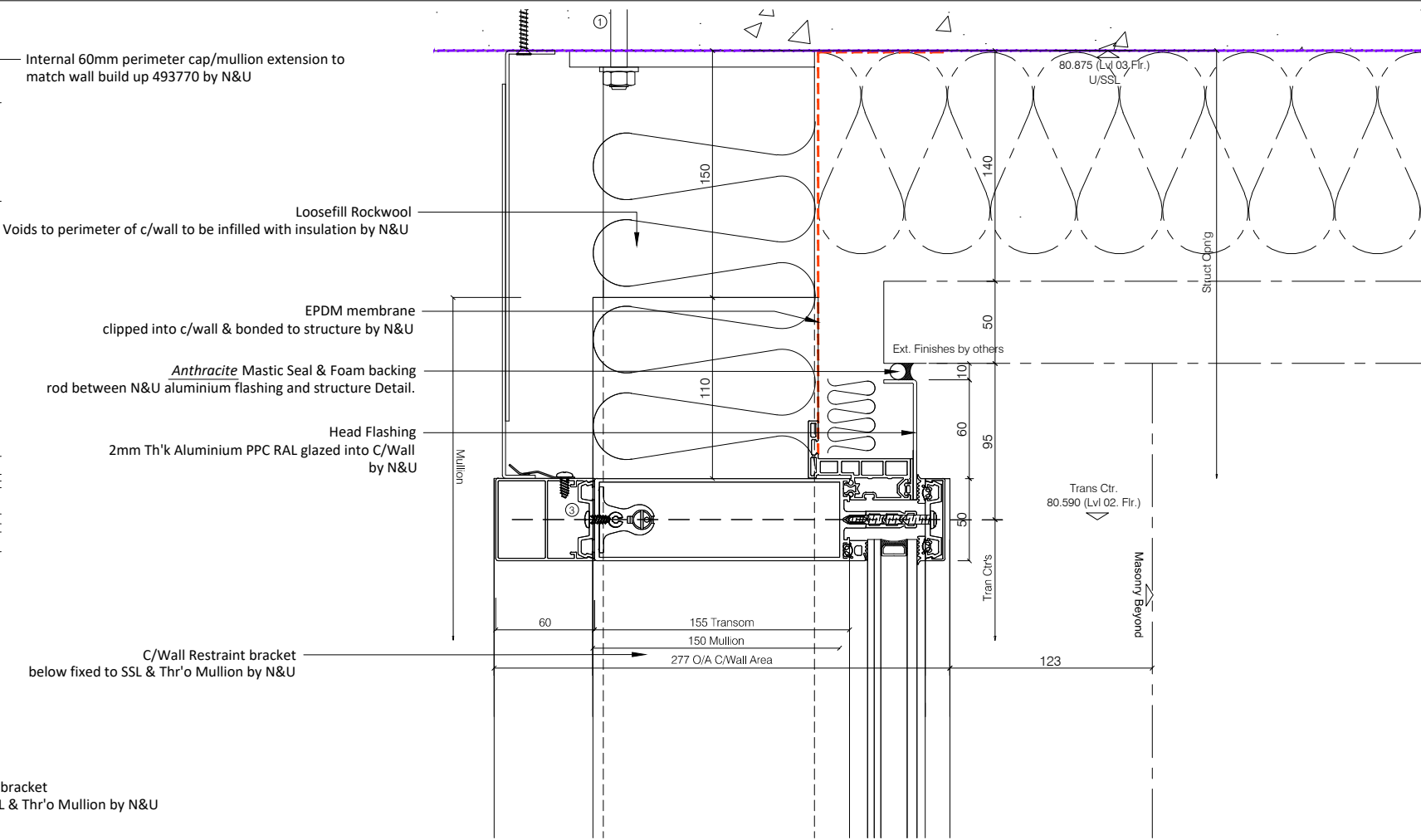




01  
4003 C/Wall Enlarged Section Thr'o Jamb Detail - 1:4  
Pears Building - FWS50



02  
4003 C/Wall Enlarged Section Thr'o Restraint Detail - 1:4  
Pears Building - FWS50



02  
4003 C/Wall Enlarged Section Thr'o Restraint Detail - 1:4  
Pears Building - FWS50

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format

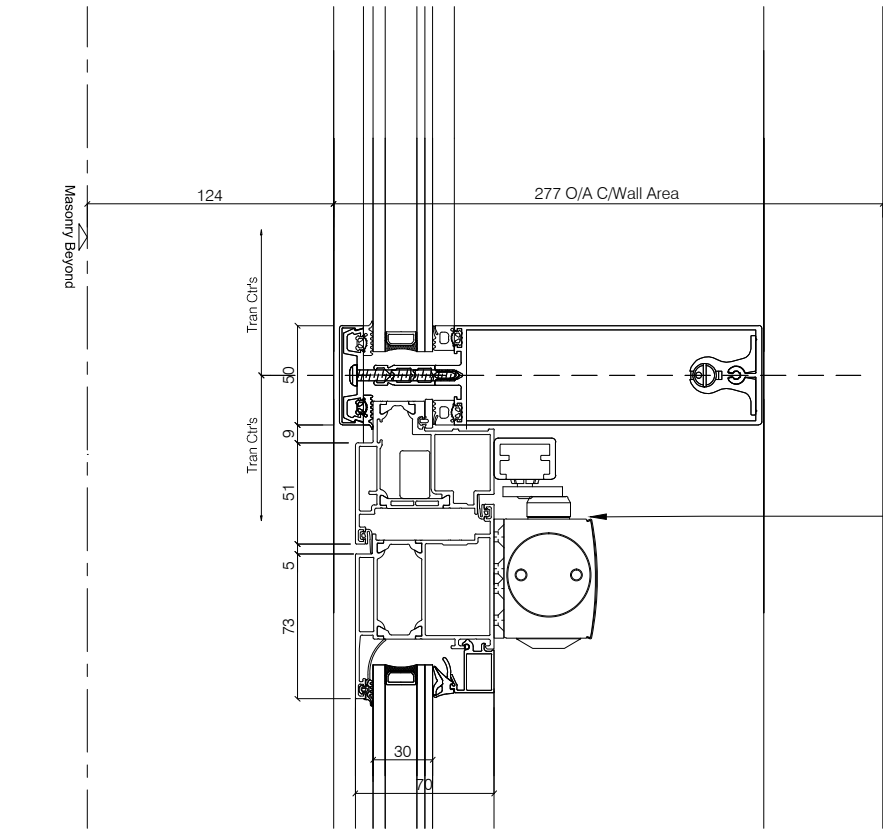
Ltr	Description	Date
A	For Approval - Revised to suit BMI/HP comments in accordance with WD - Revised Brise Soliel to Struct Calcs/Levolux Detail	28.05.19
-	Preliminary Issue	29.10.18

**Norman Underwood**

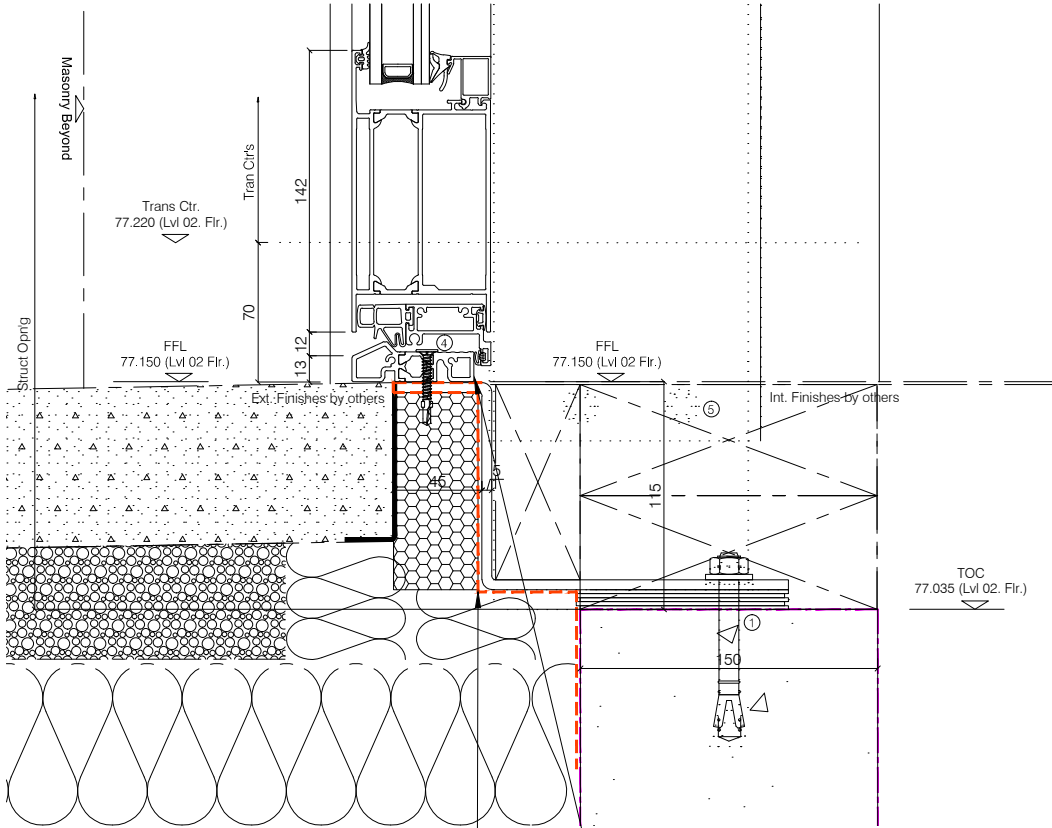
Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Glazing Details Phase 01		
Job Reference	Pears Building Royal Free Hospital		
Customer	Willmott Dixon		
Scale	1:4	Paper	A3
Drawn By	J.C	Date	18.10.18
Chkd. Design		Chkd. Contracts	
Job No.	C-2050		
Drwg. No.	4003	Rev.	A





01  
4004 C/Wall Enlarged Section Thr'o Door Head Detail - 1:4  
Pears Building - FWS50/ADS70HD

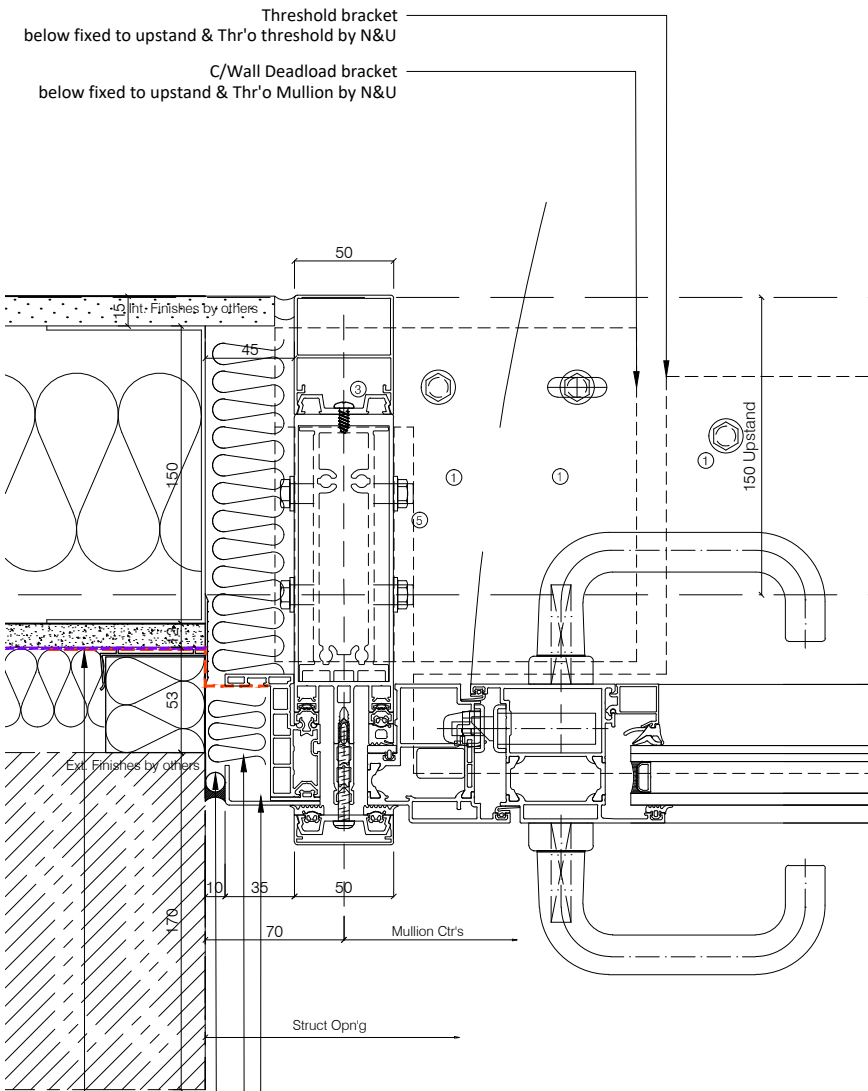


02  
4004 C/Wall Enlarged Section Thr'o Door Threshold Detail - 1:4  
Pears Building - FWS50/ADS70HD

EPDM membrane fixed into threshold & bonded to structure by N&U

Low Profile Threshold Fixed to Upstand, Silicone seal between to Ext. Finishes

Refer to Dwg FX01 for all fixing references	
Membrane Key	
	Vapour Control Layer, Air Tightness Line (by Others)
	Breather Membrane (by Others)
	EPDM membrane (By N&U, C.Wall Zones)
	Roof Membrane, Air Tightness Line (by Others)



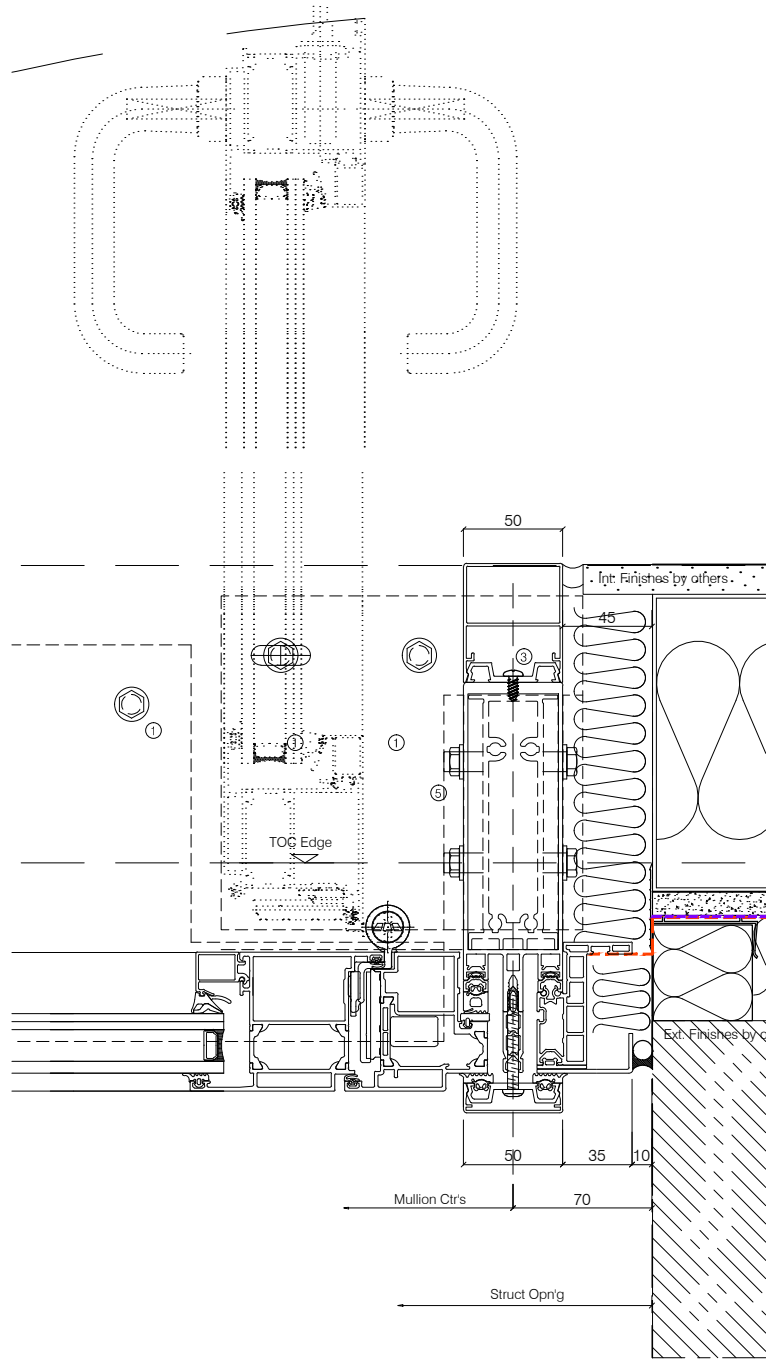
03  
4004 C/Wall Enlarged Section Thr'o Door Locking Jamb Detail - 1:4  
Pears Building - FWS50/ADS70HD

Jamb Flashing  
2mm Th'k Aluminium PPC RAL glazed into C/Wall by N&U

Loosefill Rockwool  
Voids to perimeter of c/wall to be infilled with insulation by N&U

Anthracite Mastic Seal & Foam backing rod between N&U aluminium flashing and structure Detail.

EPDM membrane clipped into c/wall & bonded to structure by N&U



04  
4004 C/Wall Enlarged Section Thr'o Door Jamb Detail - 1:4  
Pears Building - FWS50/ADS70HD

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

A	For Approval - Revised to suit BMJ/HP comments in accordance with WD - Revised Brise Soleil to Struct Calcs/Levolux Detail	28.05.19
-	Preliminary Issue	29.10.18

**Norman Underwood**

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Glazing Details Phase 01	
Job Reference	Pears Building Royal Free Hospital	
Customer	Willmott Dixon	
Scale	1:4	Paper A3
Drawn By	J.C	Date 18.10.18
Chkd. Design		Chkd. Contracts
Job No.	C-2050	
Drwg. No.	4004	Rev. A

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

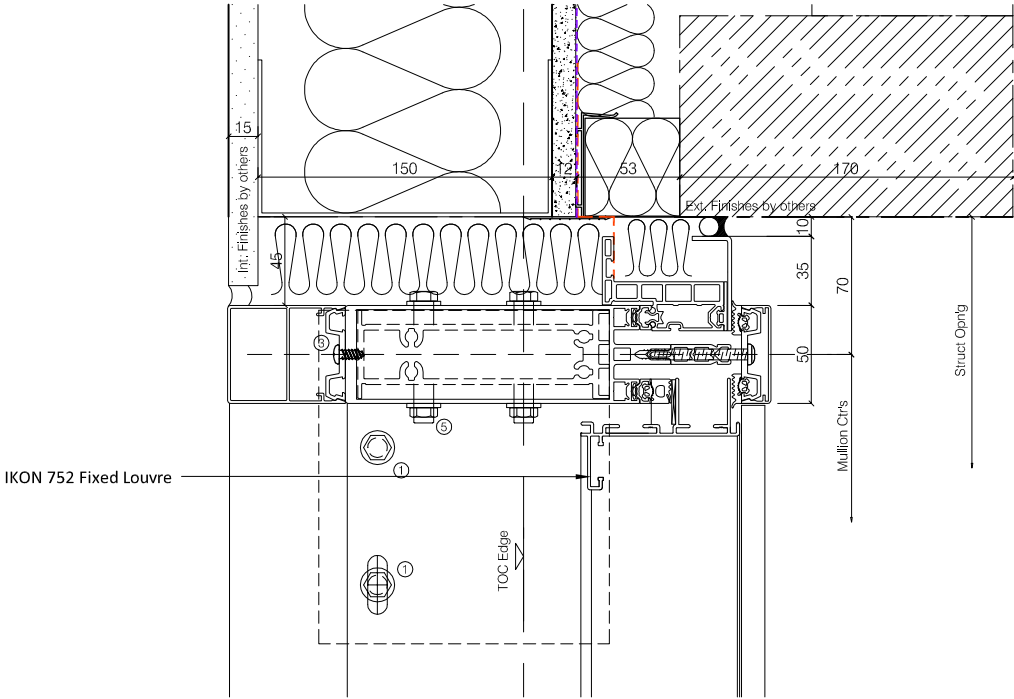
Revisions Format		
Ltr	Description	Date

-	Preliminary Issue	29.10.18

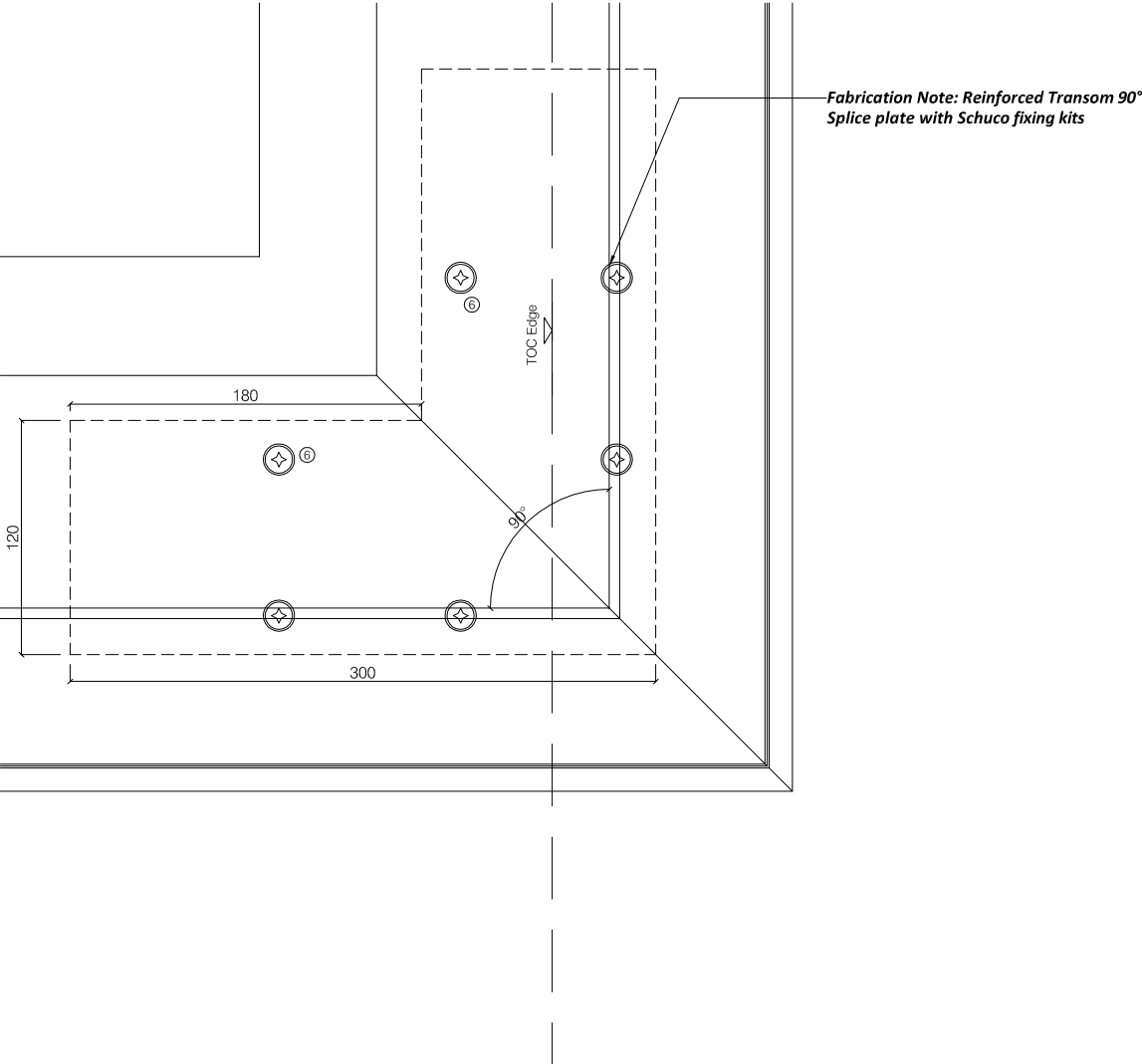
**Norman Underwood**

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

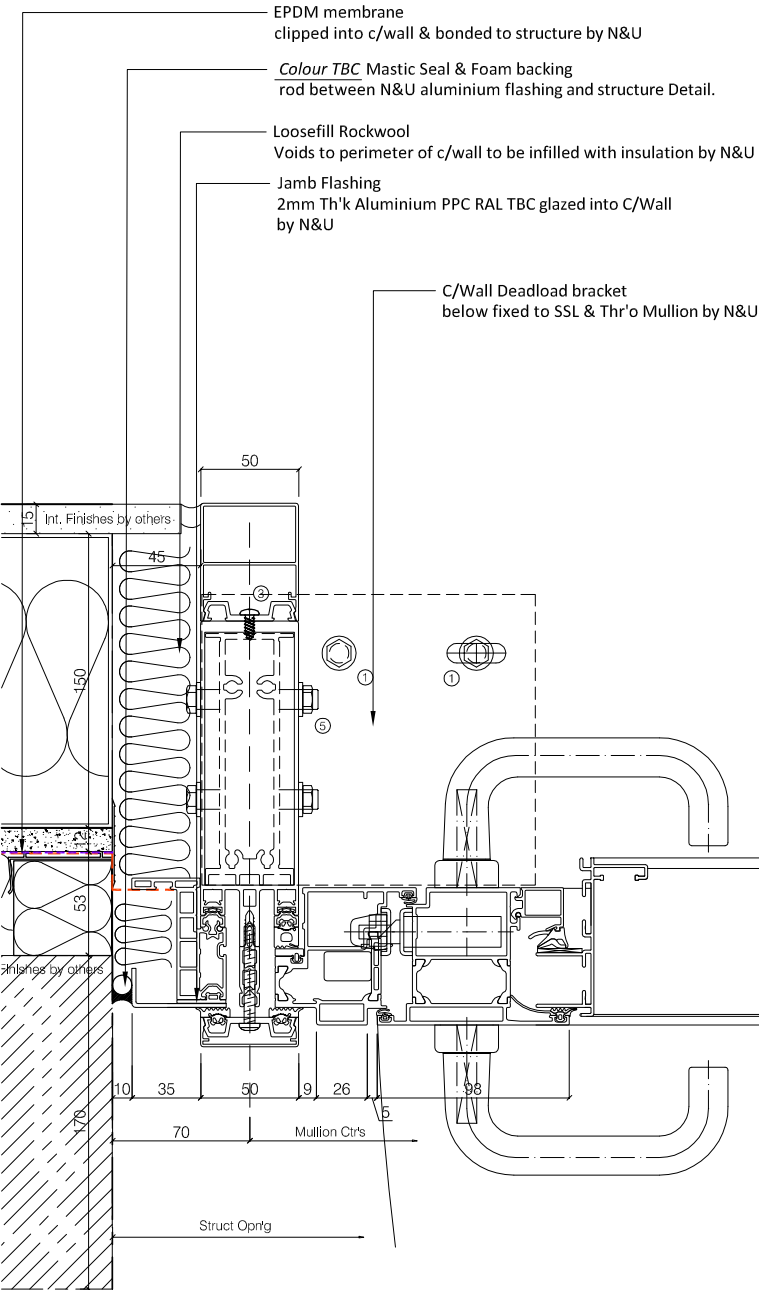
Drwg Title	Glazing Details Phase 01		
Job Reference	Pears Building Royal Free Hospital		
Customer	Willmott Dixon		
Scale	1:4	Paper	A3
Drawn By	J.C	Date	18.10.18
Chkd. Design		Chkd. Contracts	
Job No.	C-2050		
Drwg. No.	4005	Rev.	-



04 C/Wall Enlarged Section Thr'o Jamb Detail - 1:4  
4005 Pears Building - FWS50

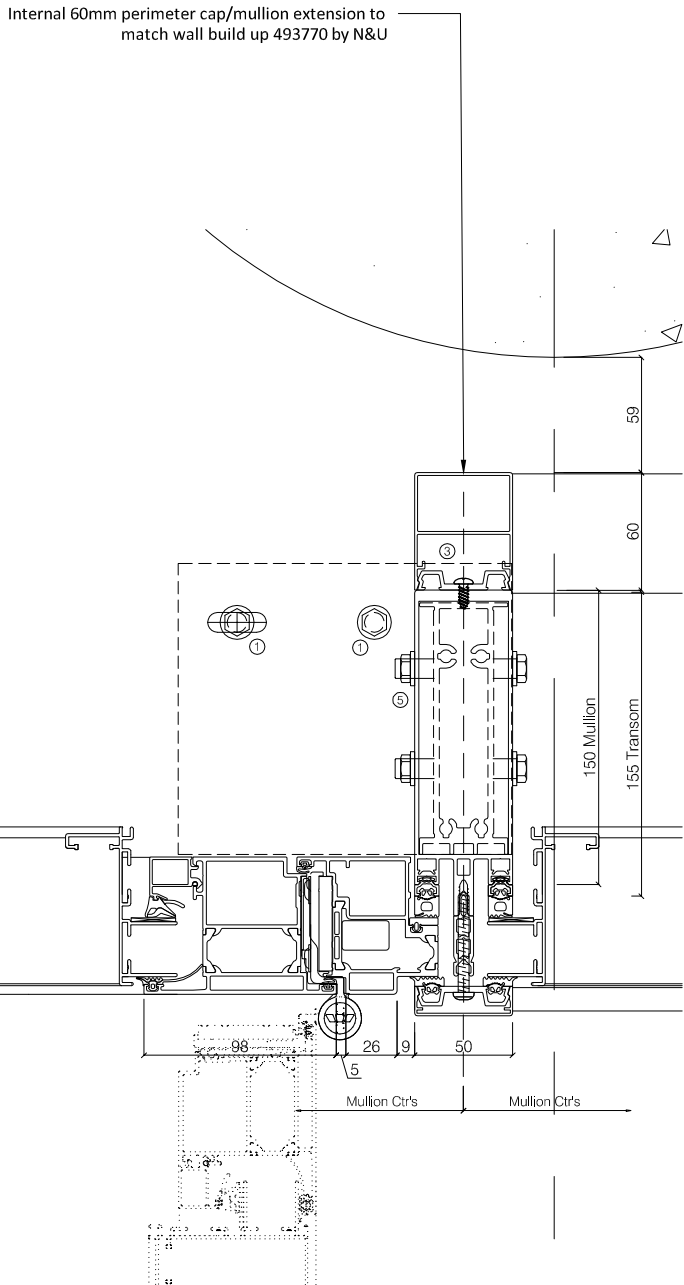


03 C/Wall Enlarged Section Thr'o Corner Detail - 1:4  
4005 Pears Building - FWS50

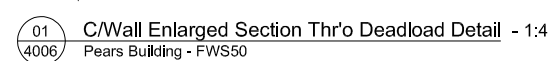




01 C/Wall Enlarged Section Thr'o Door Locking Jamb Detail - 1:4  
4005 Pears Building - FWS50/ADS70HD

Refer to Dwg FX01 for all fixing references	
Membrane Key	
	Vapour Control Layer, Air Tightness Line (by Others)
	Breather Membrane (by Others)
	EPDM membrane (By N&U, C.Wall Zones)
	Roof Membrane, Air Tightness Line (by Others)



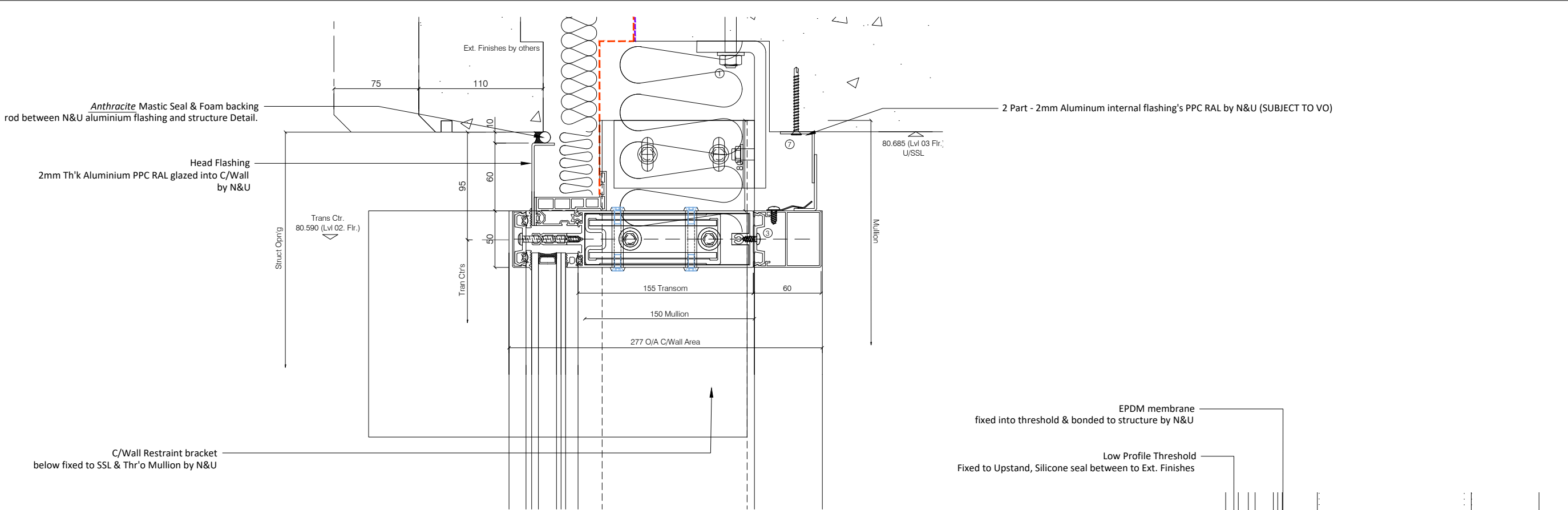
02 C/Wall Enlarged Section Thr'o Door Jamb Detail - 1:4  
4005 Pears Building - FWS50/ADS70HD



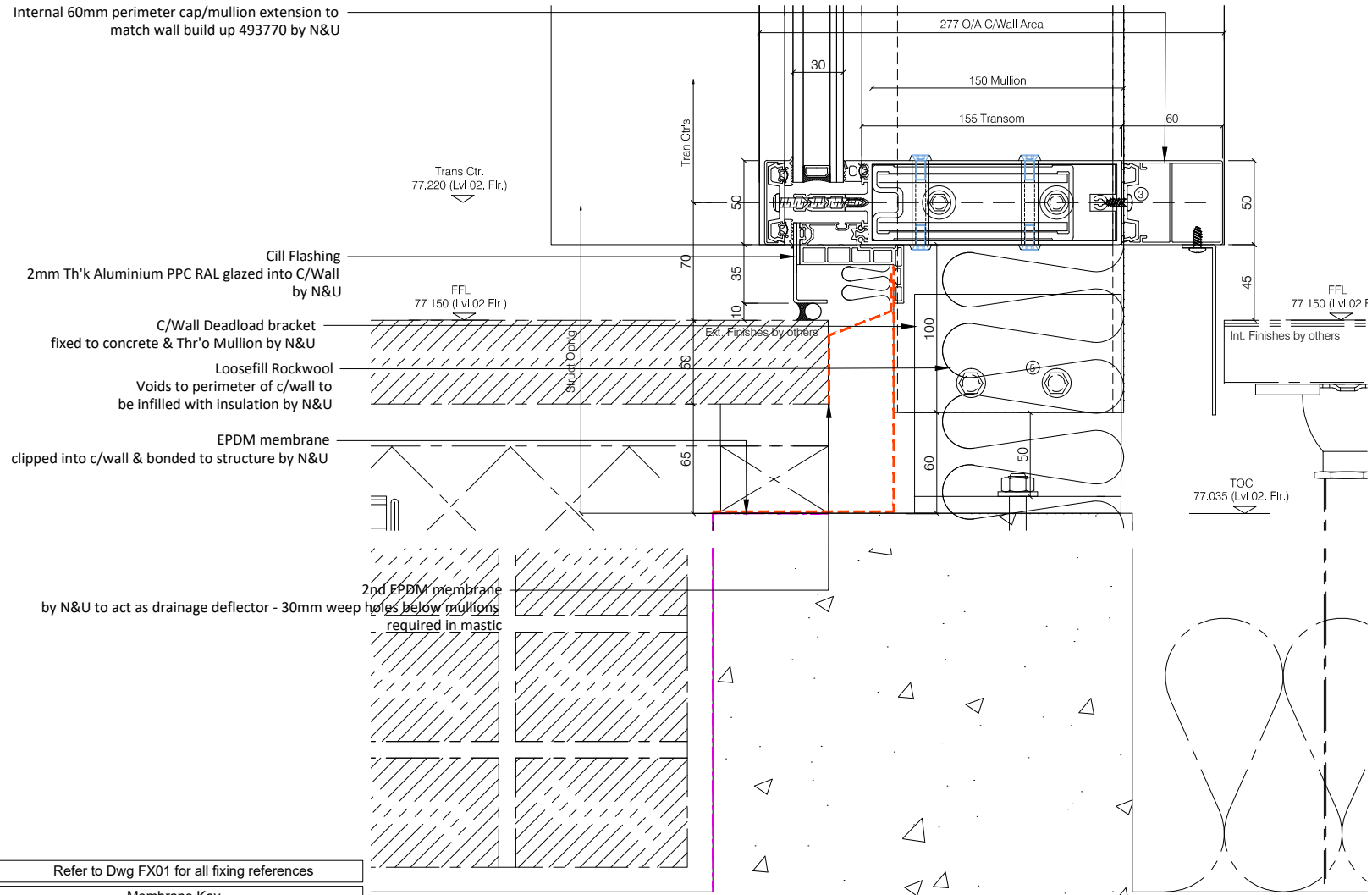
Refer to Dwg FX01 for all fixing references	
Membrane Key	
	Vapour Control Layer, Air Tightness Line (by Others)
	Breather Membrane (by Others)
	EPDM membrane (By N&U, C.Wall Zones)
	Roof Membrane, Air Tightness Line (by Others)

-	Preliminary Issue	29.10.18
---	-------------------	----------

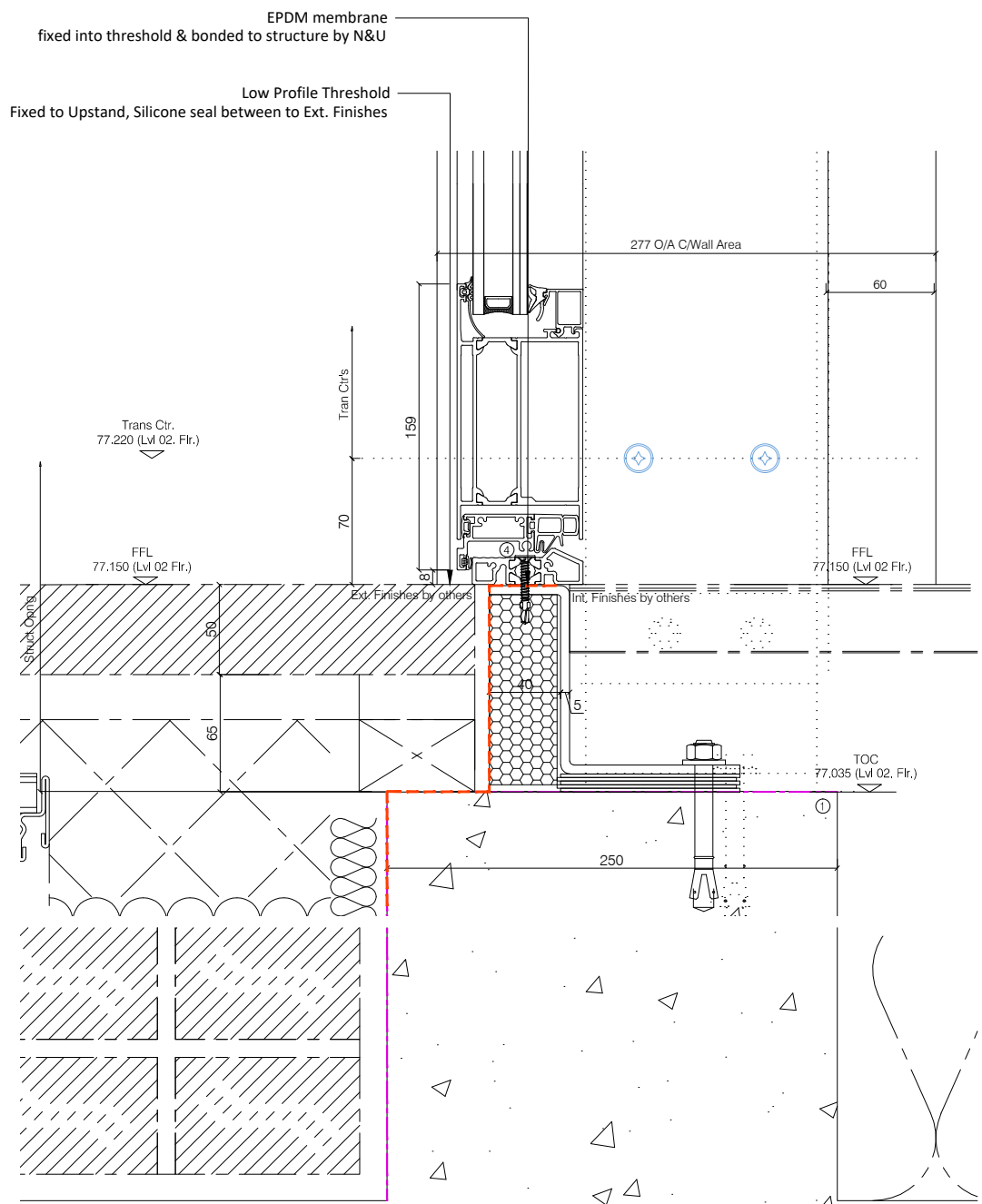
		Rev.
--	--	------



02  
4007 C/Wall Enlarged Section Thr'o Restraint Detail - 1:4  
Pears Building - FWS50



01  
4007 C/Wall Enlarged Section Thr'o Deadload Detail - 1:4  
Pears Building - FWS50



03  
4007 C/Wall Enlarged Section Thr'o Threshold Detail - 1:4  
Pears Building - FWS50

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format		
Ltr	Description	Date

A	For Approval - Revised to suit BMJ/HP comments in accordance with WD - Revised Brise Soleil to Struct Calcs/Levolux Detail	28.05.19
-	Preliminary Issue	29.10.18

**Norman Underwood**

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

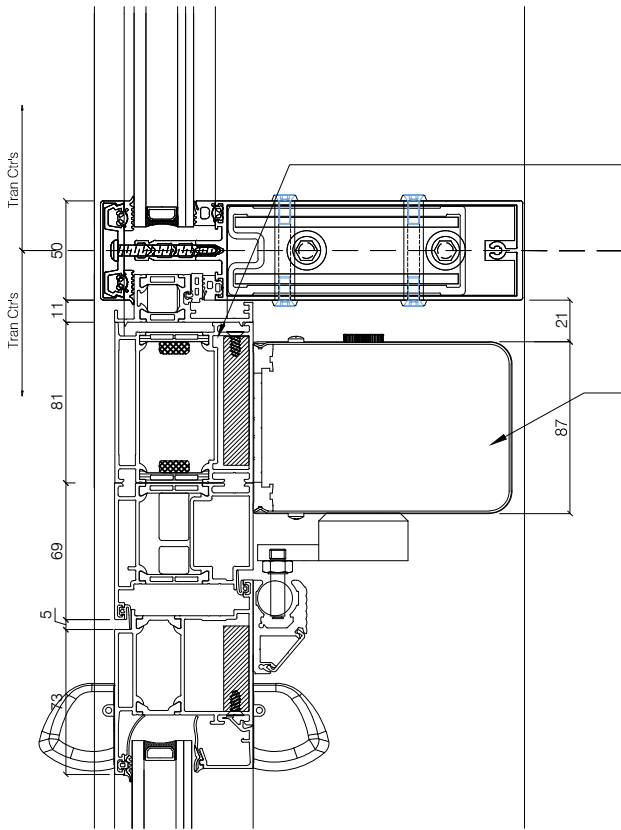
Drwg Title	Glazing Details Phase 01		
Job Reference	Pears Building Royal Free Hospital		
Customer	Willmott Dixon		
Scale	1:4	Paper	A3
Drawn By	J.C	Date	18.10.18
Chkd. Design		Chkd. Contracts	
Job No.	C-2050		
Drwg. No.	4007	Rev.	A

Refer to Dwg FX01 for all fixing references

**Membrane Key**

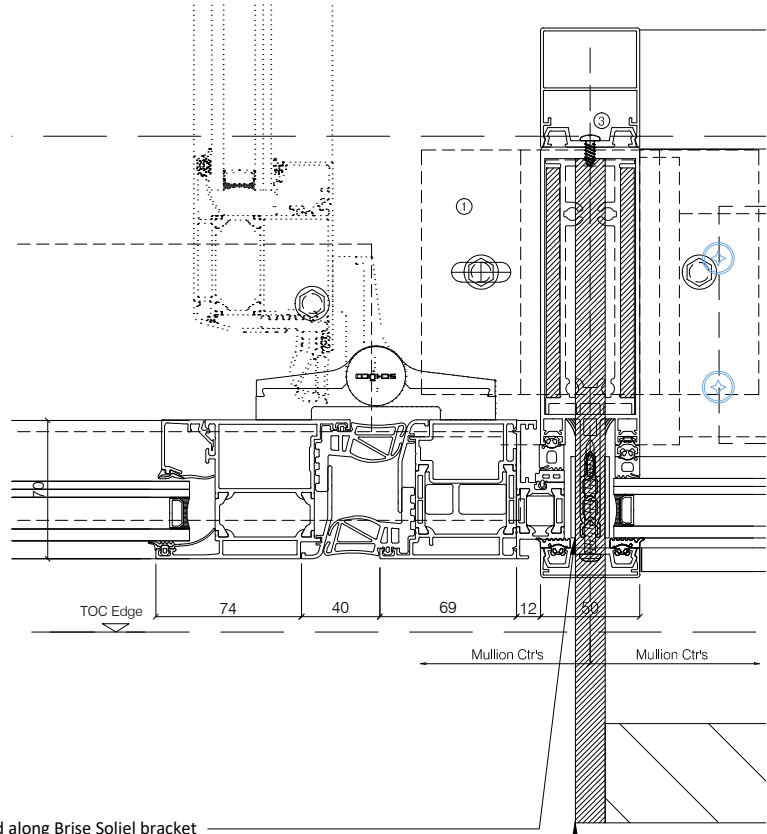
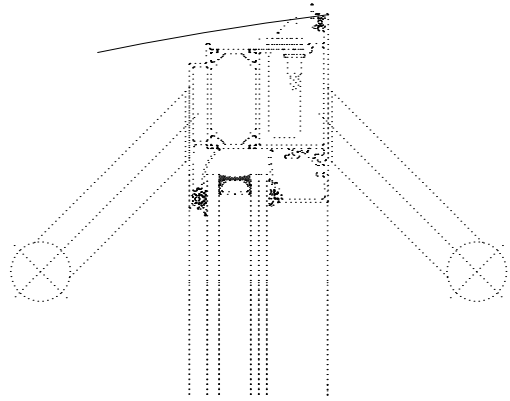
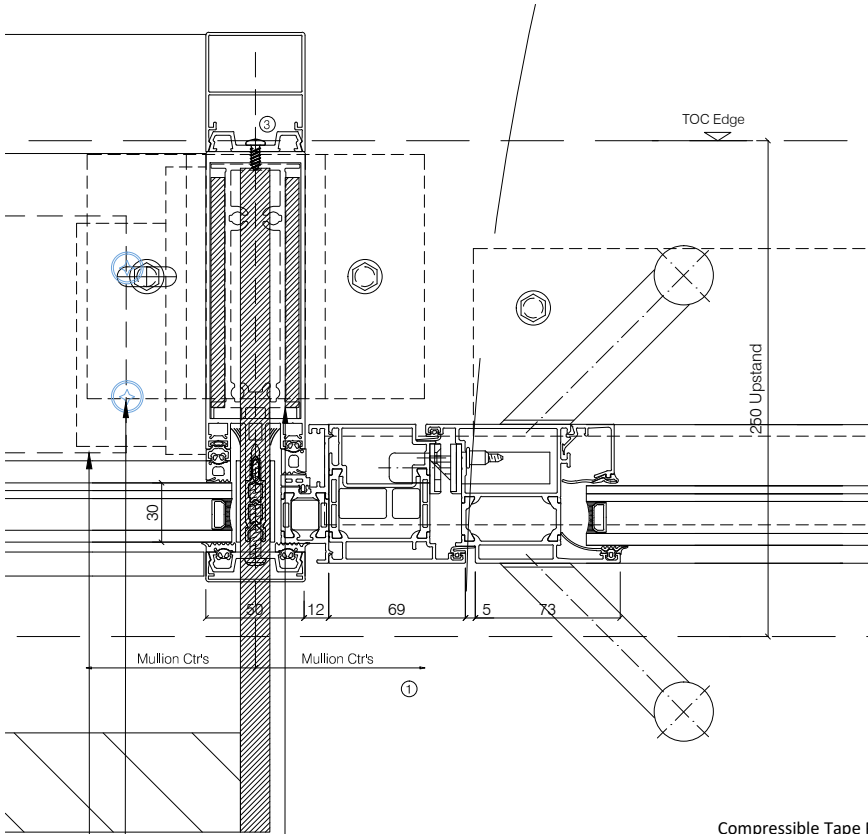
- Vapour Control Layer, Air Tightness Line (by Others)
- Breather Membrane (by Others)
- EPDM membrane (By N&U, C.Wall Zones)
- Roof Membrane, Air Tightness Line (by Others)





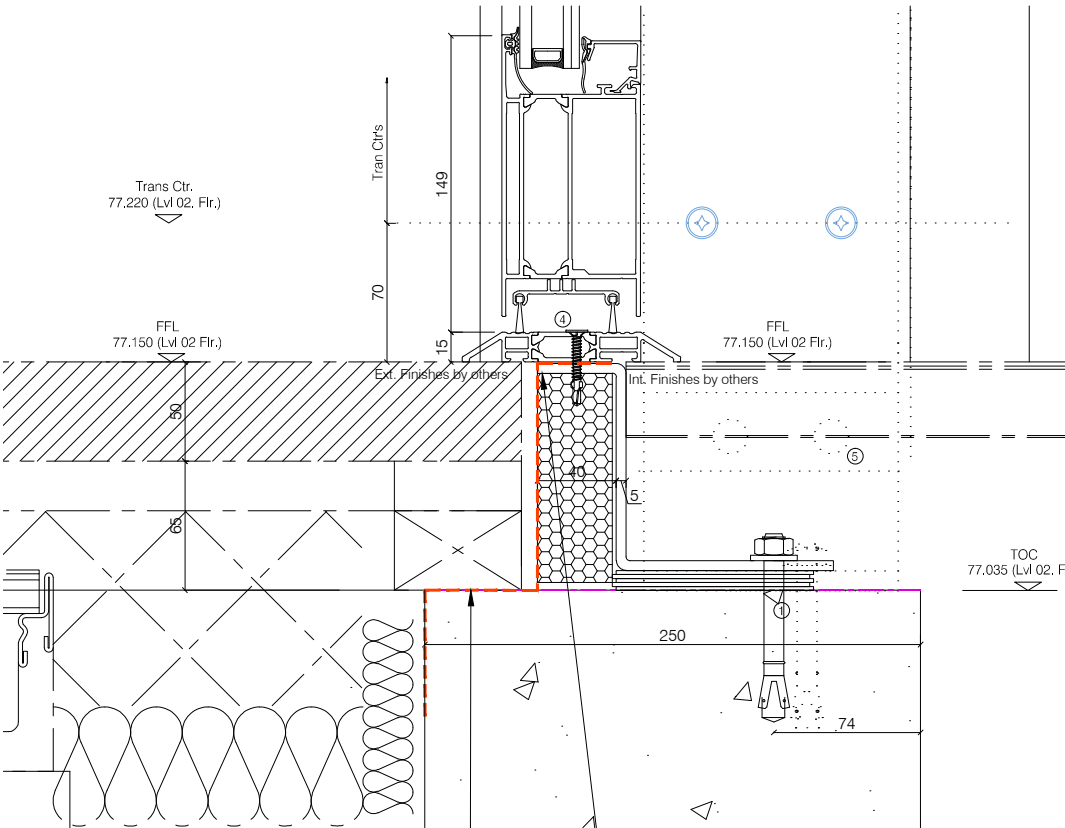
**Fabrication Note: Reinforced Mounting Plate to accommodate Auto Head Gear & additional profile to allow adequate space.**

High-Performance electromechanical Swing-Door Drive 'Horton 4100'



Compressible Tape Pad along Brise Soliel bracket to prevent glass to metal contact

**01 C/Wall Enlarged Section Thr'o Door Head Detail - 1:4**  
Pears Building - FWS50/ADS70HD



**03 C/Wall Enlarged Section Thr'o Door Locking Jamb Detail - 1:4**  
Pears Building - FWS50/ADS70HD

**04 C/Wall Enlarged Section Thr'o Door Jamb Detail - 1:4**  
Pears Building - FWS50/ADS70HD

8mm Thick Steel Plates to be local reinforcement to prevent local buckling and crushing where louvre/brise soleil bracket is located

Visible Dom Head Stainless steel Cleat bolts

N&U Structural Cleat for larger transom reinforcements  
"Cleats fixed through Brise soleil brackets and steel plates"

Bolts through shear block, steel plate and transom to mullion



Connection Details by Levelux, N&U to only provide 200x15mm Th'k S275 Steel Brackets  
Ral 7012 Matt

**02 C/Wall Enlarged Section Thr'o Door Threshold Detail - 1:4**  
Pears Building - FWS50/ADS70HD

EPDM membrane fixed into threshold & bonded to structure by N&U

DDA Compliant Low Profile Threshold  
Fixed to Upstand, Silicone seal between to Ext. Finishes

Refer to Dwg FX01 for all fixing references	
Membrane Key	
	Vapour Control Layer, Air Tightness Line (by Others)
	Breather Membrane (by Others)
	EPDM membrane (By N&U, C.Wall Zones)
	Roof Membrane, Air Tightness Line (by Others)

ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format

Ltr	Description	Date
-----	-------------	------

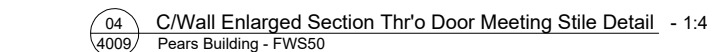
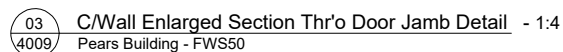
A	For Approval - Revised to suit BMJ/HP comments in accordance with WD - Revised Brise Soliel to Struct Calcs/Levelux Detail	28.05.19
-	Preliminary Issue	29.10.18

**Norman Underwood**

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Glazing Details Phase 01		
Job	Pears Building		
Reference	Royal Free Hospital		
Customer	Willmott Dixon		
Scale	1:4	Paper	A3
Drawn By	J.C	Date	18.10.18
Chkd. Design		Chkd. Contracts	
Job No.	C-2050		
Drwg. No.	4008	Rev.	A



02 C/Wall Enlarged Section Thr'o Corner Detail - 1:4  
4009 Pears Building - FWS50

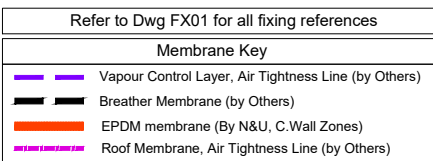
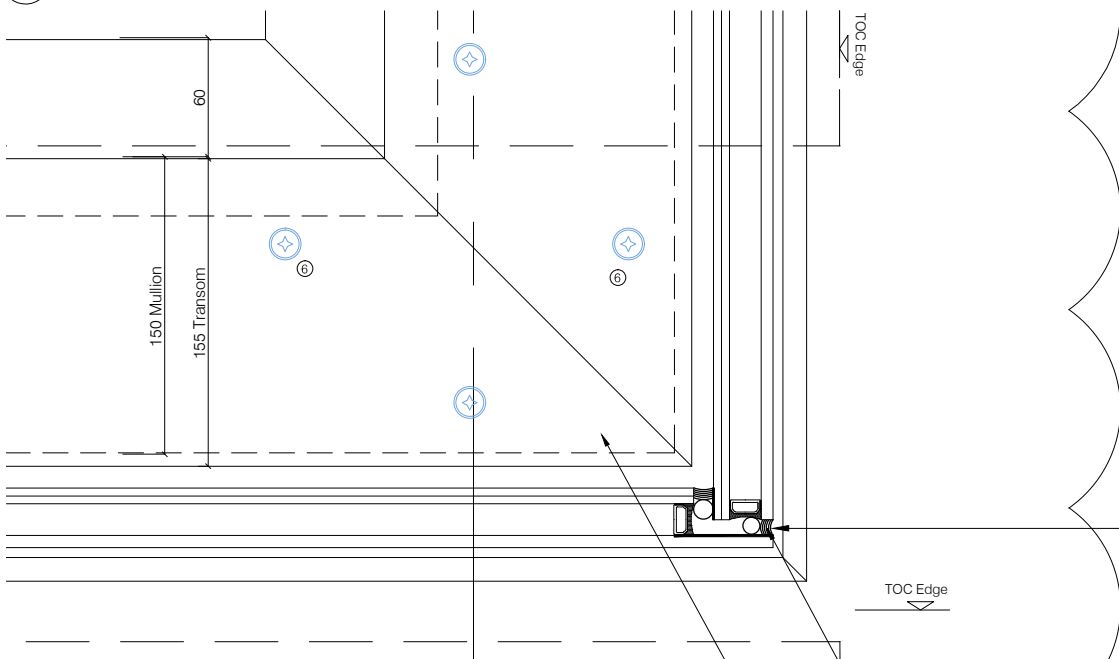
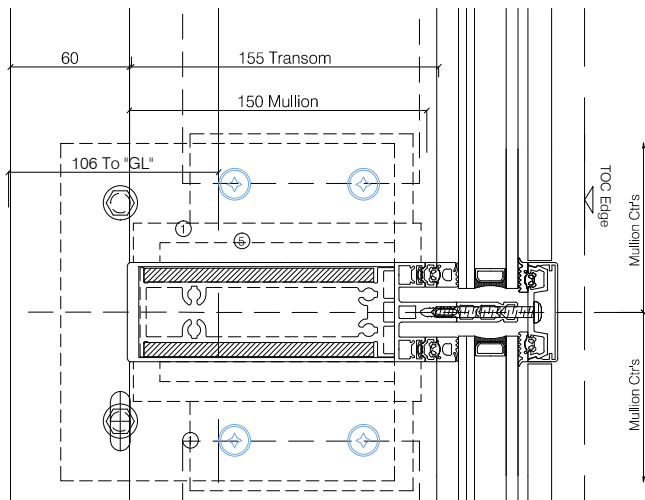


8mm Thick Steel Plates to be local reinforcement to prevent local buckling and crushing where louvre/brise soleil bracket is located

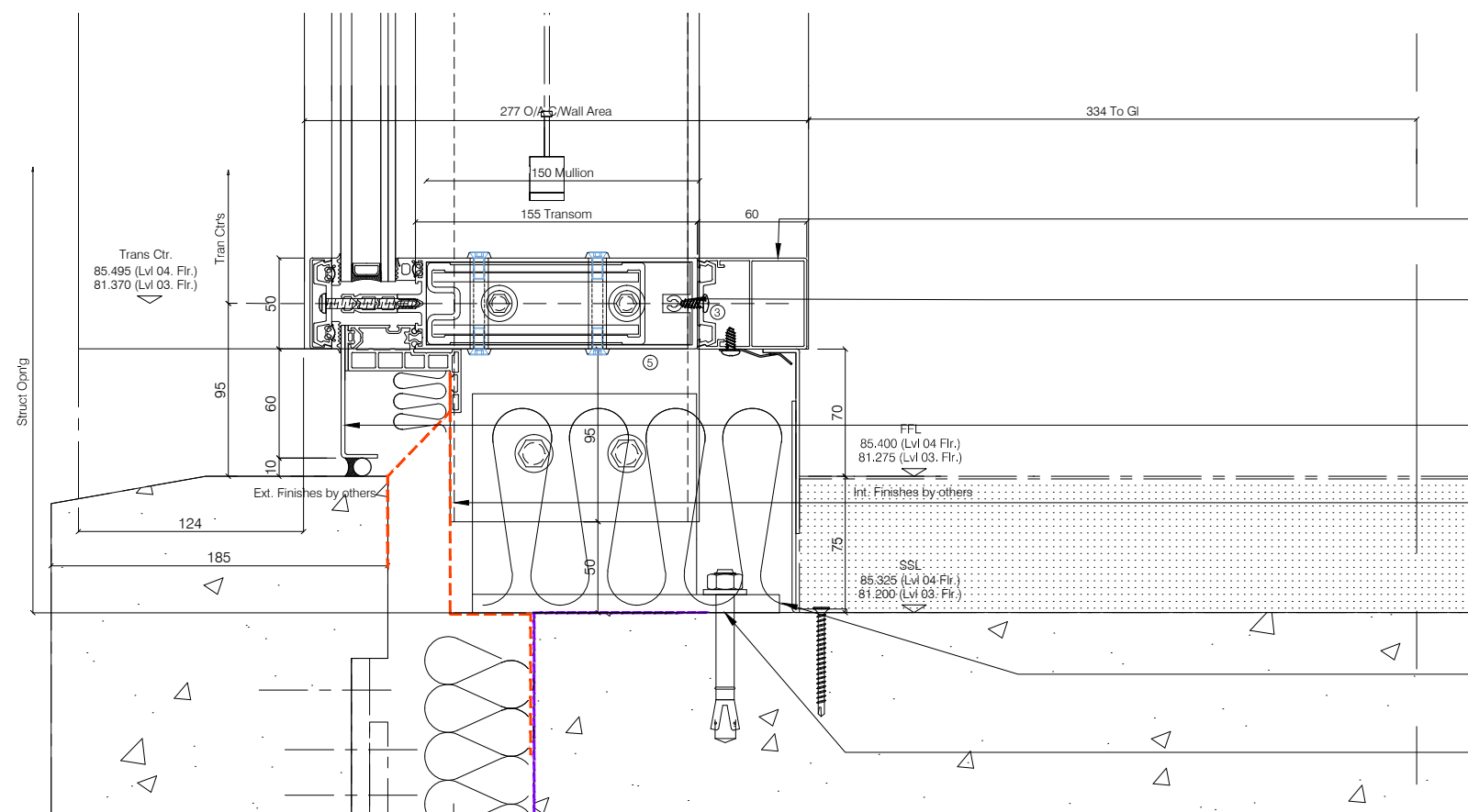
-	Preliminary Issue	29.10
---	-------------------	-------

rwg. No.	4009	Rev A
----------	------	----------

Refer to Dwg FX01 for all fixing references	
Membrane Key	
	Vapour Control Layer, Air Tightness Line (by Others)
	Breather Membrane (by Others)
	EPDM membrane (By N&U, C.Wall Zones)
	Roof Membrane, Air Tightness Line (by Others)



Drwg Title	Glazing Details		
	Phase 01		
Job Reference	Pears Building Royal Free Hospital		
Customer	Willmott Dixon		
Scale	1:4	Paper	A
Drawn By	J.C	Date 18.10.18	
Chkd. Design		Chkd. Contracts	
Job No.	C-2050		
Drwg. No.	4010		Rev. A



ALL DIMENSIONS ARE IN MILLIMETERS  
UNLESS OTHERWISE SPECIFIED.  
DO NOT SCALE FROM THIS DETAIL.  
IF IN DOUBT ASK.  
THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐      B ☐      C ☐

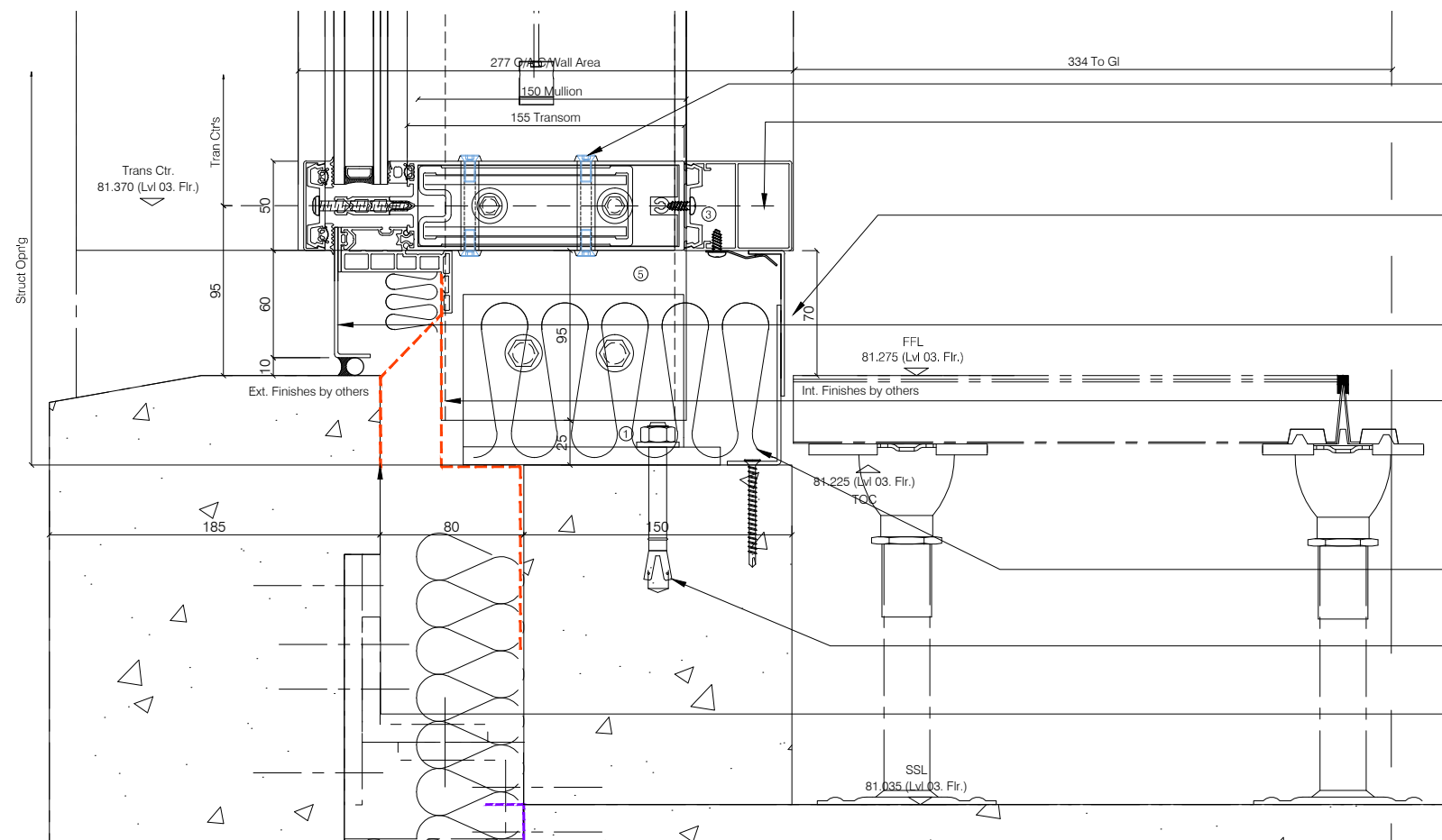
Date \_\_\_\_\_  
Sign. \_\_\_\_\_  
Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

## Revisions Format

Ltr	Description	Date
-----	-------------	------

01 C/Wall Enlarged Section Thr'o Deadload Detail - 1:4  
4011 Pears Building - FWS50



— Visible Dom Head Stainless steel Cleat bolts

— Internal 60mm perimeter cap/mullion extension to match wall build up 493770 by N&U

— 2 Part - 2mm Aluminum internal flashing's PPC RAL by N&U (SUBJECT TO VO)

— Cill Flashing  
2mm Th'k Aluminium PPC RAL glazed into C/Wall  
by N&U




- EPDM membrane clipped into c/wall & bonded to structure by N&U

— Loosefill Rockwool  
Voids to perimeter of c/wall to be infilled with insulation by N&U

- C/Wall Deadload bracket  
below fixed to upstand & Thr'o Mullion by N&U

- 2nd EPDM membrane  
by N&U to act as drainage deflector - 30mm weep holes below mullions  
required in mastic

02 C/Wall Enlarged Section Thr'o Deadload Detail - 1:4  
4011 Pears Building - FWS50

Refer to Dwg FX01 for all fixing references	
Membrane Key	
	Vapour Control Layer, Air Tightness Line (by Others)
	Breather Membrane (by Others)
	EPDM membrane (By N&J, C.Wall Zones)
	Roof Membrane, Air Tightness Line (by Others)

A	For Approval - Revised to suit BMJ/HP comments in accordance with WD - Revised Brise Soliel to Struct Calcs/Levolux Detail	28.05.19
-	Preliminary Issue	29.10.18

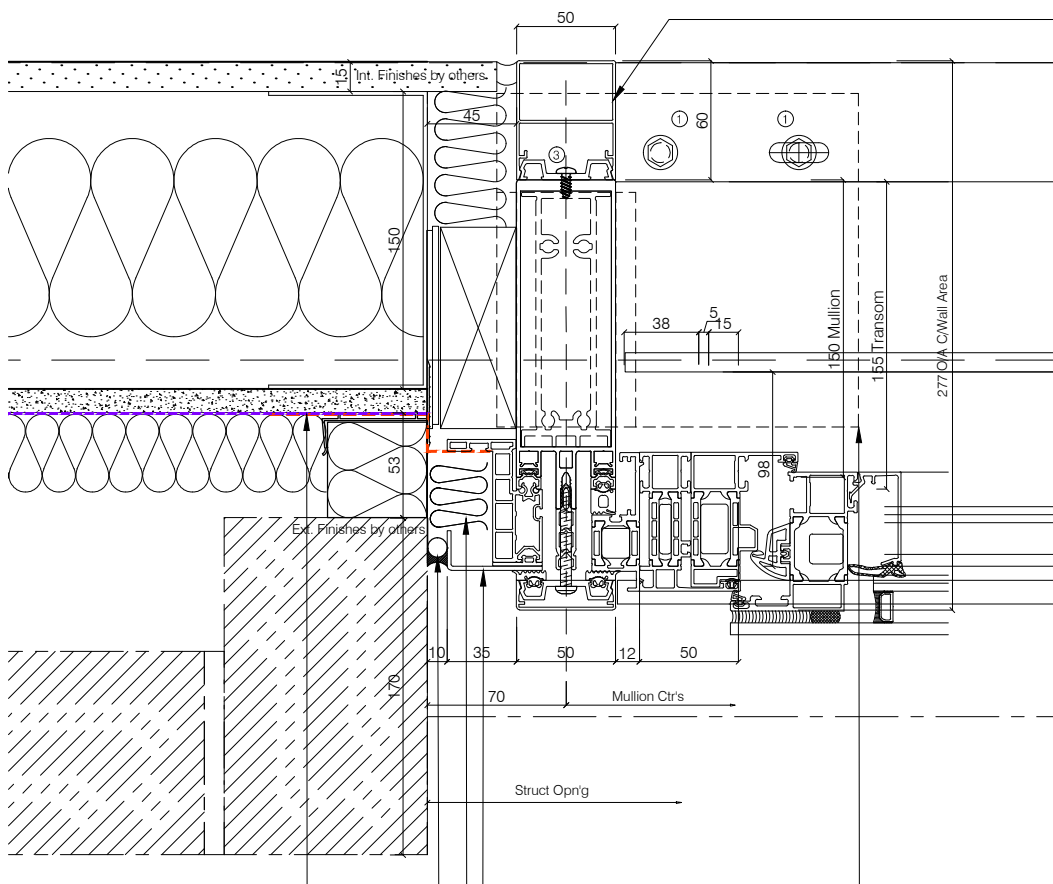
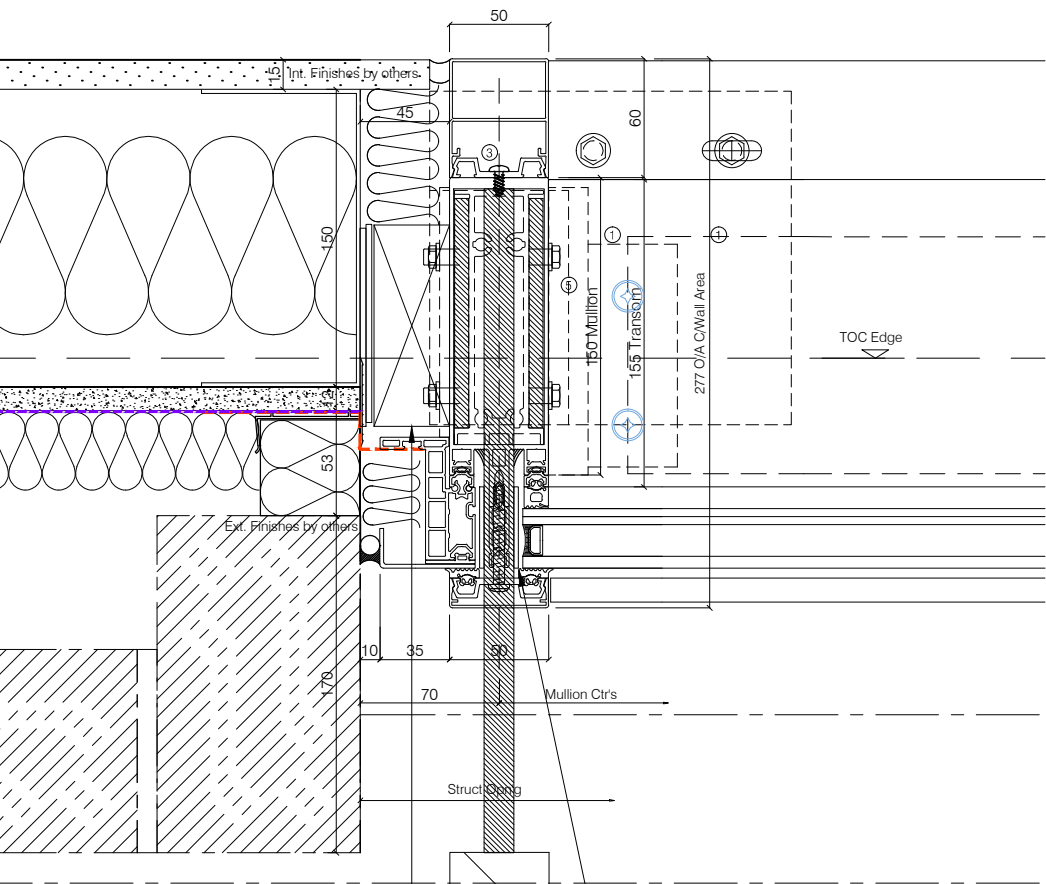
Norman Underwood

**Norman & Underwood**  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: [www.nandu.co.uk](http://www.nandu.co.uk)

Drwg Title	Glazing Details		
	Phase 01		
Job Reference	Pears Building Royal Free Hospital		
Customer	Willmott Dixon		
Scale	1:4	Paper	A3
Drawn By	J.C	Date	18.10.18
Chkd. Design		Chkd. Contracts	

Job No.	C-2050	
Drwg. No.	4011	Rev. -





Internal 60mm perimeter cap/mullion extension to match wall build up 493770 by N&U

Compressible Tape Pad along Brise Soliel bracket to prevent glass to metal contact

Timber Packer at Intermediate transom Jamb, to aid against twist in the framework. (adjacent jamb also requires this)

C/Wall Deadload bracket below fixed to SSL & Thr'o Mullion by N&U

Jamb Flashing 2mm Th'k Aluminium PPC RAL glazed into C/Wall by N&U

Loosefill Rockwool Voids to perimeter of c/wall to be infilled with insulation by N&U

*Anthracite* Mastic Seal & Foam backing rod between N&U aluminium flashing and structure Detail.

EPDM membrane clipped into c/wall & bonded to structure by N&U

Louvre Frame to be formed by Levolut , N&U calculations based on a S355 50x50x3mm thick welded box section

01 4012 C/Wall Enlarged Section Thr'o Jamb Detail - 1:4 Pears Building - FWS50

02 4012 C/Wall Enlarged Section Thr'o Jamb/Window Detail - 1:4 Pears Building - FWS50/AWS114

Refer to Dwg FX01 for all fixing references	
Membrane Key	
	Vapour Control Layer, Air Tightness Line (by Others)
	Breather Membrane (by Others)
	EPDM membrane (By N&U, C.Wall Zones)
	Roof Membrane, Air Tightness Line (by Others)

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED. DO NOT SCALE FROM THIS DETAIL. IF IN DOUBT ASK. THIS DRAWING IS COPYRIGHT.

Architectural Status - Please Advise

A ☐ B ☐ C ☐

Date \_\_\_\_\_

Sign. \_\_\_\_\_

Print \_\_\_\_\_

A- Proceed no comments  
B- Incorporate comments & proceed  
C- Resubmit for approval

Revisions Format		
Ltr	Description	Date

A	For Approval - Revised to suit BMJ/HP comments in accordance with WD - Revised Brise Soliel to Struct Calcs/Levolux Detail	28.05.19
-	Preliminary Issue	29.10.18

**Norman Underwood**

Norman & Underwood  
170 Scudamore Road  
Leicester LE3 1HP  
Tel: 0116 2318000  
Fax: 0116 2318005  
Web site: www.nandu.co.uk

Drwg Title	Glazing Details Phase 01		
Job Reference	Pears Building Royal Free Hospital		
Customer	Willmott Dixon		
Scale	1:4	Paper	A3
Drawn By	J.C	Date	18.10.18
Chkd. Design		Chkd. Contracts	
Job No.	C-2050		
Drwg. No.	4012	Rev.	A





