



# The Linenhall

**TDS TECH4100 Assessment 1  
Collaborative Project**

Group 6 ~ Liam Deguara ~ Jamie Leonard ~ Sinead KIELTY  
~ Karolina Potocka ~ Kevin O'TOOLE

**Survey Site Address:** TU Dublin Linenhall, Henrietta Place,  
Dublin 1

**Client:** David Knight @ TU Dublin

**Team member names:** Liam Deguara  
Jamie Leonard  
Sinead Kielty  
Karolina Potocka  
Kevin O'Toole

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2. Survey and Modelling	Section 2
3. Waste Harvesting	Section 3
4. Presentation	Section 4
5. References	Section 5



# The Linenhall

## CONTEXT REPORT

Group 6 ~ Liam Deguara ~ Jamie Leonard ~ Sinead Kielty  
~ Karolina Potocka ~ Kevin O'Toole

# CONTEXT REPORT

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## Contents:

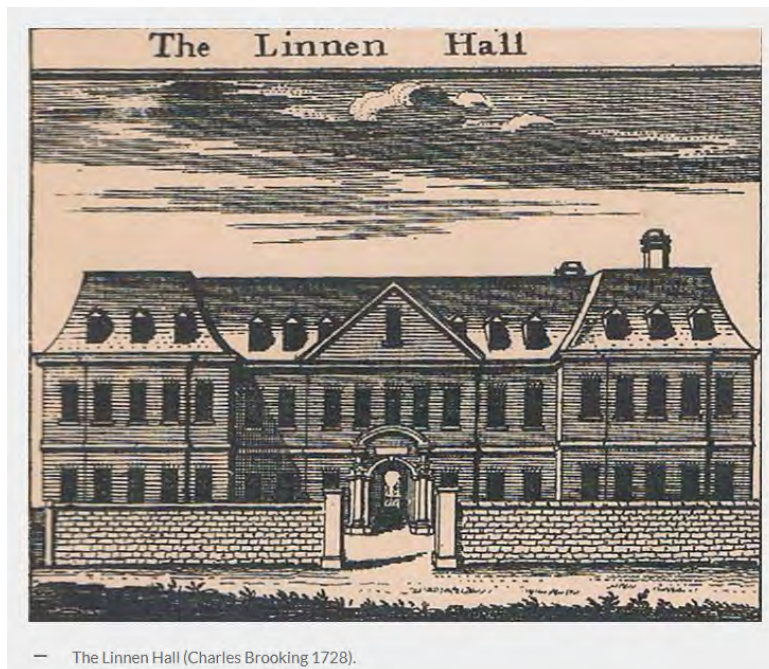
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## 1. Site History

### The History of Linnenhall

Linen hall, like many buildings in Dublin, Ireland were owned by the British and to me accurate the British Army during the 1870s. The Textile industry grew in Ireland during the 17<sup>th</sup> century and when the Dutch Merchant by the name of William 3<sup>rd</sup> founded the Linen Trade in Dublin.

The Linnen Hall was proposed in 1722 for several sites in Dublin, however an undeveloped site was chosen and built. It did not open until November 1728. The front façade of Linnen hall looked down onto LinnenHall Street, which is now called Yarnhall street. A cotton hall and yarn hall had sufficient space to be built in the northeast by 1874. The linen hall building had a large trading floor with 550 bays for storage as well as a large board room for the use of trustees and traders.



The linen trade went into serious decline after the opening of the Belfast Linen Hall in 1783 and was not until the 1880s when the main building was changed from a Linen factory to a Pharmaceutical and veterinary manufacturer and distributor. It was also used temporarily by the British army as barracks during the 1870s. It was also used to house British troops later from time to time.

## CONTEXT REPORT



During the Easter rising the barracks were set on fire on the Wednesday of the Easter week. Oil was poured onto the main floor and with the bed boards to help start the fire, it spread rapidly and almost burnt the dwellings in the vicinity.

Post-independence the Dublin corporation attempted to build slum housing conditions in the city where the former barracks were. The remains of Linen Hall were demolished and 2.5 Acre site was leased out to a corporation for 99 years which applied for planning permission in 1926 to build 63 four to five roomed houses on the site for the poorer class of workers. However, it is unclear if they were ever erected.

What is left of the site today? The northern boundary of Linen hall survives in the plot to the rear of Linenhall terrace against the Dublin city council houses services. The wall is a calp with limestone with blocked openings and the wall returns north behind the houses on Linenhall parade, before returning east again at the boundary of the King's Inn. The most significant survival in the area is perhaps that of the Thomas Cooley's Yarn hall which was gutted after the fire was started in 1916 however the walls survived at ground level and is part of the Technology University of Dublin formerly known as DIT. Linenhall started as a school of trades in 1963 and is now the main building for the built environments' courses today with courses such as Architecture and Architectural technology. It still houses courses for trades people too.

## CONTEXT REPORT



— 'Linenhall Barracks, Dublin, shelled' (Keogh Photographic Collection, NLI).



— Wider view of arcaded breakfront (Photo: Franc Myles).

Additional photos of the aftermath of the fire from 1916.

## CONTEXT REPORT



— T.J. Westropp, view of the barracks from Lisburn Street, 1916.



— T.J. Westropp, view of the barracks from Lurgan Street, 1916.



— T.J. Westropp, view of the barracks from the corner of Lurgan Street and Lisburn Street (left), 1916.



— T.J. Westropp, view of facade from Lisburn Street, 1916.



— 'Linenhall Barracks, Dublin, shelled' (Keogh Photographic Collection, NLI).



## CONTEXT REPORT

Photos of Linenhall now.



References;

<https://thearchaeologyof1916.wordpress.com/2016/04/05/in-search-of-the-linen-hall-barracks/>

# CONTEXT REPORT

## 2. Site Maps

With this section I will be going through the UCD historic maps collection and any maps I find of the site I will get a snip and get the year the map and the author of the map.



1756 full map of city of Dublin John Rocque



1756 Sheet 2 of city of Dublin John Rocque



1756 close snip of site from city of Dublin John Rocque

# CONTEXT REPORT



1757 close snip of site from city of Dublin John Rocque



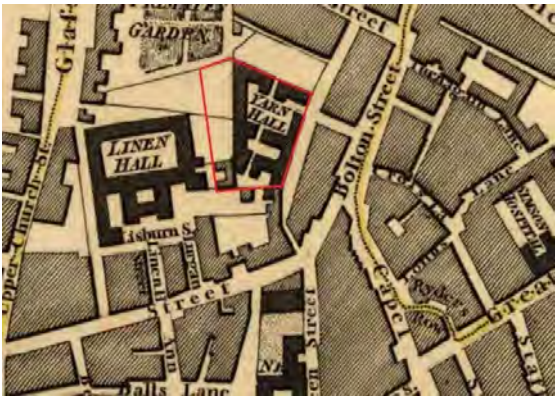
1773 close snip of site from An Accurate Survey of the City and Suburbs of Dublin by Mr. Rocque with Additions, and Improvements; By Mr. Bernard



1782 close snip of site from A plan of Dublin by Samuel Byron



1782 close snip of site from Plan of the city of Dublin taken from an actual survey from universal scots almanack by John Robertson



1797 close snip of site from A plan of the city of Dublin by William Faden



1798 close snip of site from Modern Plan of The City And Environs Of Dublin by William M Wilson

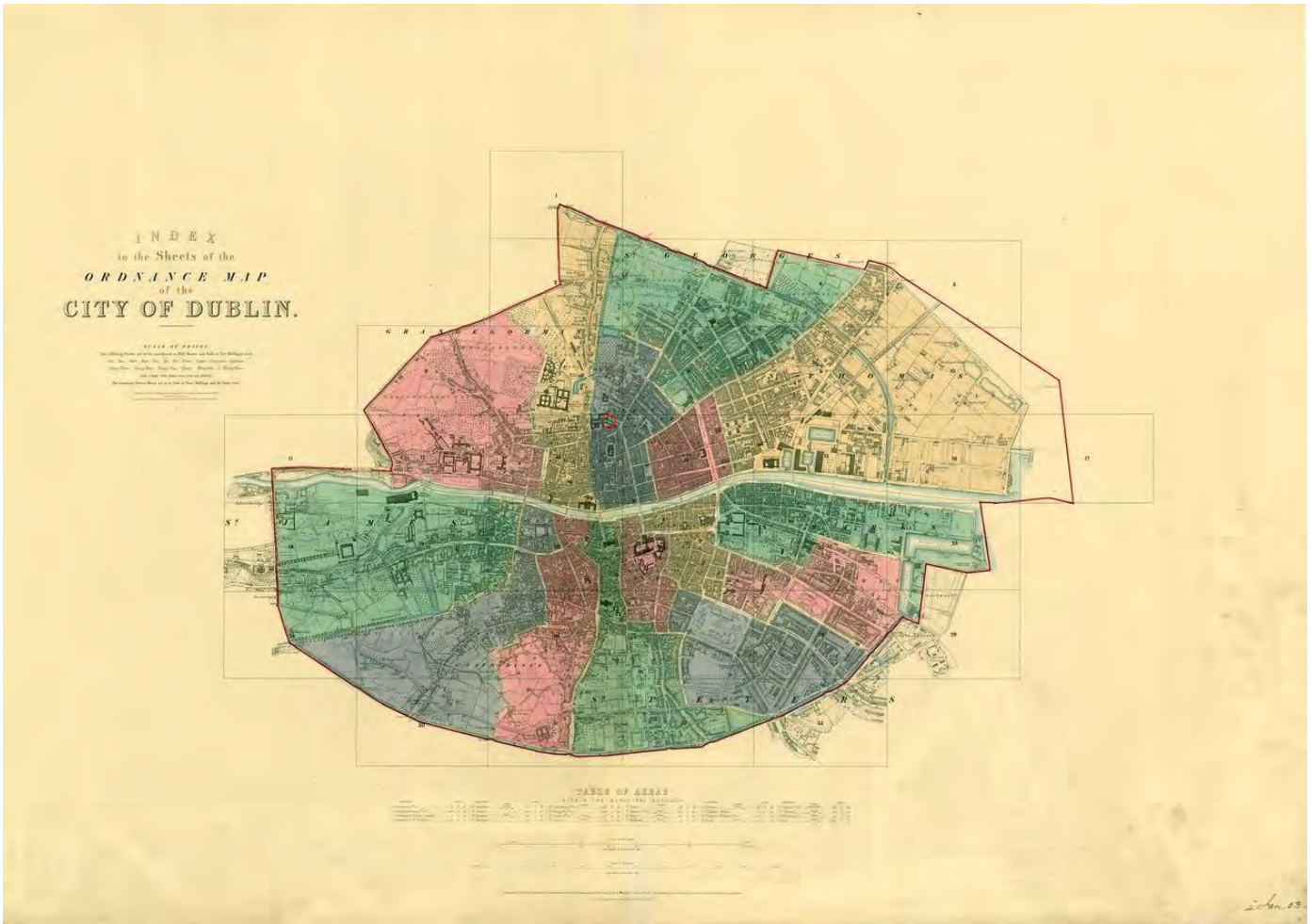


1800 close snip of site from new plan of the city of Dublin by Wilson's Dublin Directory



1836 close snip of site from City of Dublin by W.B. Clarke

# CONTEXT REPORT



1848 OS map of city of Dublin (The red lines in the map is the site)

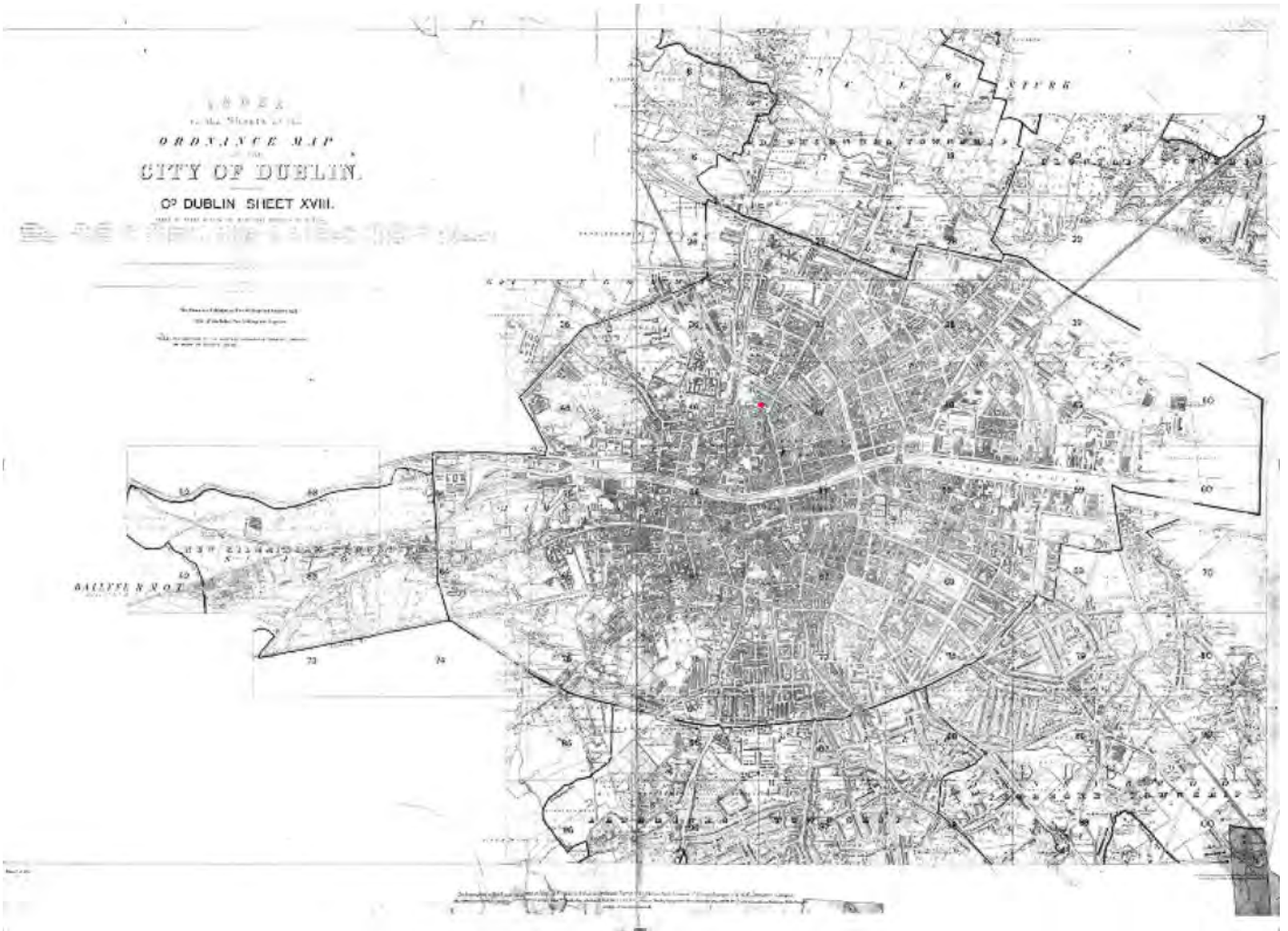


1848 close snip of site from OS map of city of Dublin

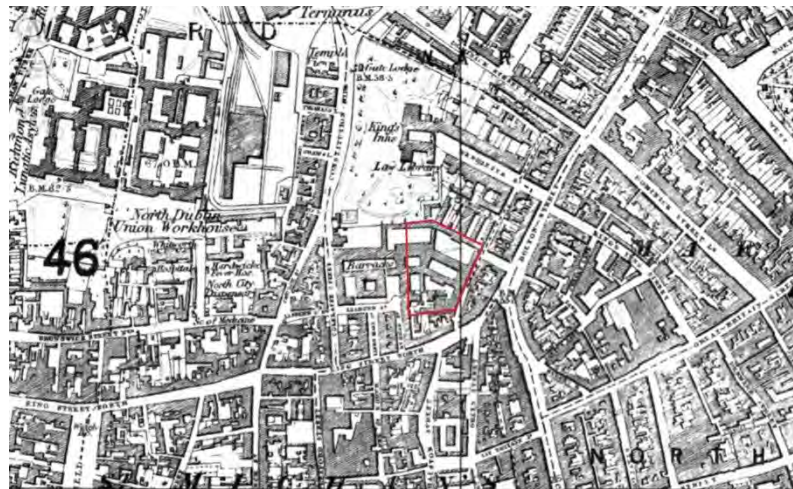


1859 close snip of site from Fraser's map of Dublin & environs

# CONTEXT REPORT

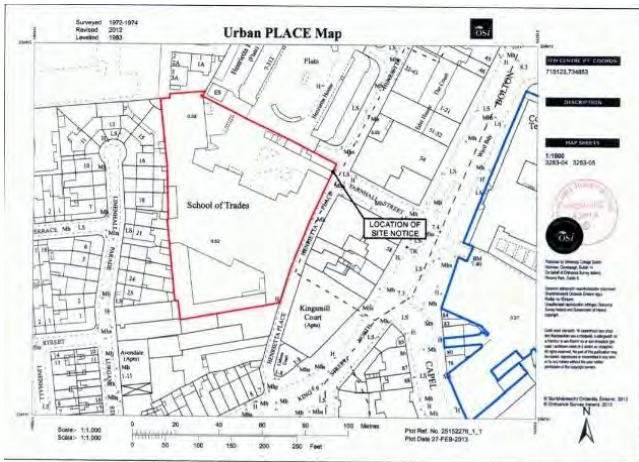


1897 OS Map city of Dublin (sheet XVII) (The red in the map is the site area)



1897 close snip of site from sheet 46 & 47 OS Map city of Dublin (sheet XVII) as site was in between two sheets

# CONTEXT REPORT



2017 OS Map (map sheet: 3263-04 3263-05)



2013 OS Map (map sheet: 3263-04 3263-05)



Overlaid of historic (1837-1842) and modern maps of close snip of site



Overlaid of historic (1888-1913) and modern maps of close snip of site

2017 OS Map (map sheet: 3263-04 3263-05)



Overlaid of historic and modern maps of close snip of site

## References;

<https://libguides.ucd.ie/findingmaps/mapshistDublin>

## 3. Planning and Development Status

### Planning Permission History

**Planning Application Reference:** 1921/98

**Application Type:** Permission

**Application Date:** 6th July 1998

**Registration Date:** 17th August 1998

**Decision Date:** 18th November 1998

**Applicant:** Dublin Institute of Technology

**Agent:** Crean Salley Architects

**Proposal:** Two storey extension to existing two storey entrance building.

**Planning Application Reference:** D0445/03

**Application Type:** Protected Structures Declaration (S57)

**Application Date:** 11th March 2003

**Registration Date:** 11th March 2003

**Decision Date:** 25th September 2003

**Applicant:** Dublin Institute of Technology

**Agent:** Dublin Institute of Technology

**Main Location:** Stone entrance gated archway, Yarnhall Street/Henrietta Place, Dublin 1.

**Planning Application Reference:** 2854/09

**Application Type:** Planning Permission

**Application Date:** 23rd of April 2009

**Registration Date:** 23rd of April 2009

**Decision Date:** 23rd of July 2009

**Applicant:** Dublin Institute of Technology

**Agent:** Crean Salley Architects

**Main Location:** Provision of new single storey substation and switch room to courtyard and provision of single storey extension to existing ground floor switch room to main building of Dublin Institute of Technology School of Trades.

**Planning Application Reference:** 2380/13

**Application Type:** Planning Permission

**Application Date:** 26th March 2013

**Registration Date:** 26th March 2013

**Decision Date:** 15th May 2013

**Final Grant Date:** 31st July 2013

**Applicant:** Dublin Institute of Technology

**Agent:** DMOD Architects

**Proposal:** PROTECTED STRUCTURE: Construction of new single storey Foyer and Gallery extension in a re-landscaped front courtyard at the DIT Linenhall Building and the construction of a new emergency exit from the building onto Henrietta Place.

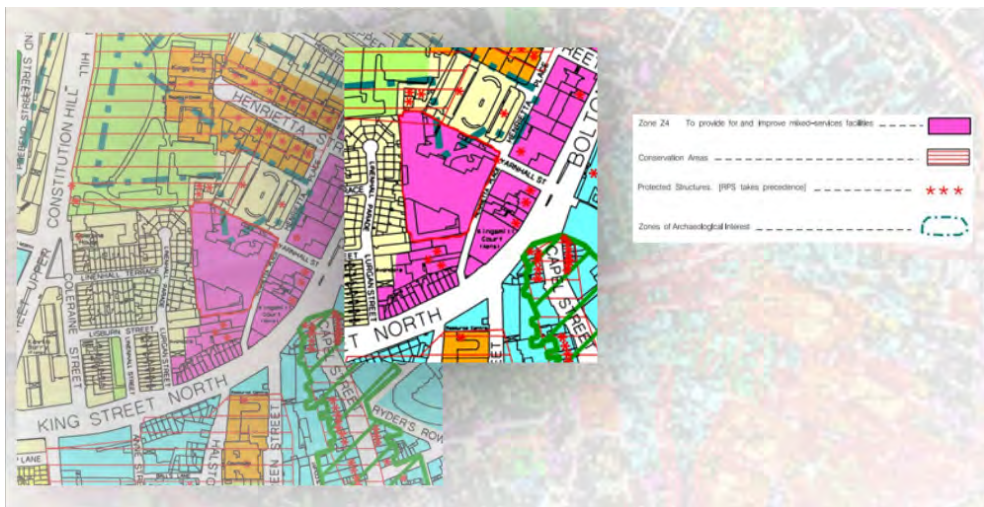
# CONTEXT REPORT

## Development Plan Zoning and Policy

The site is situated in an area zoned Objective “Z4 to provide for and improve mixed services facilities” in the Dublin City Development Plan 2016-2022.



Dublin City Development Plan 2016-2022 Map E

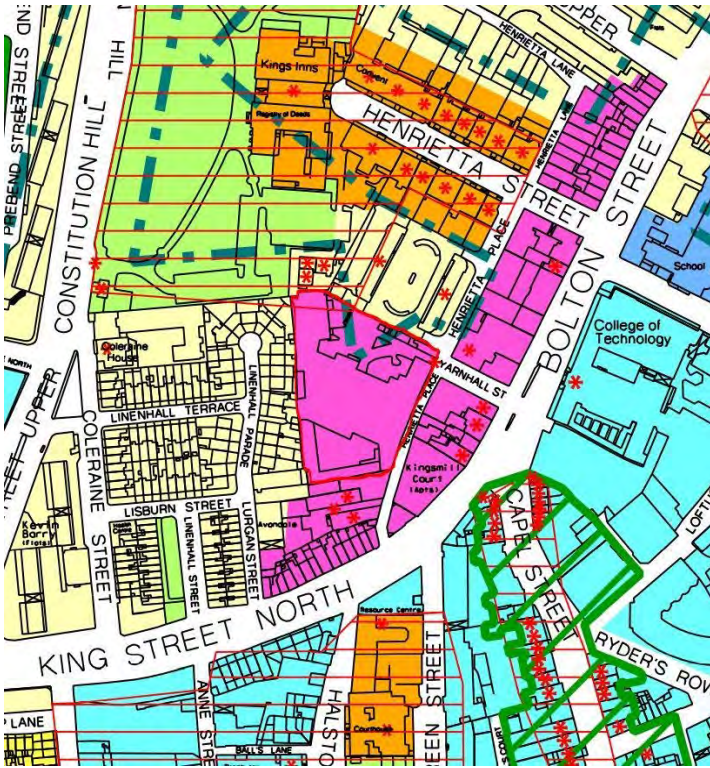


Site marked in red boundary line shows that its Zone Z4

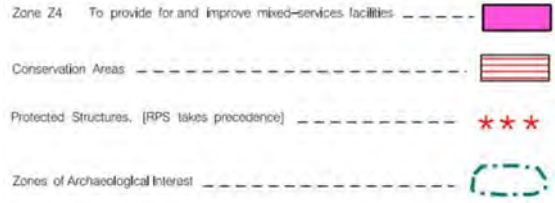
I did email John Beattie who is a conservation officer for Dublin City Council who confirmed that it was a Z4 area and had a protective structure being the archway. But he was looking into the zone of archeological interest and conservation area but has still to contact me on this.



# CONTEXT REPORT



Site marked in red boundary line shows that its Zone Z4



Use Zoning Objective and Specific Objectives

The protected structure is the stone entrance gate / archway to College of Technology (Ref: 3648 RPS page 130).

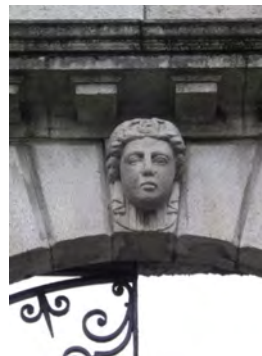
Volume 4 | Record of Protected Structures

Sorted	RPS Ref No	House No	Full Address	Post Code	Description
3601	3647		Henrietta Place, Dublin 1	Dublin 1	Henrietta House
3602	3648		Henrietta Place, Dublin 1	Dublin 1	Stone entrance gate/archway to College of Technology (opposite Yarnhall Street)
3603			Henrietta Place, Dublin 1	Dublin 1	Printing Works - see Yarnhall Street/Henrietta Place

Volume 4 record of protection structures page 130



Dublin City Development Plan 2016-2022. protection structures



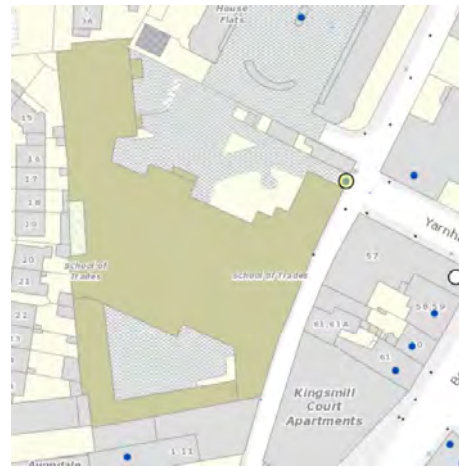
Both figures are pictures got from the The National Inventory of Architectural Heritage Volume 4 record of it is parts of the protected structure entrance of TU Dublin college.

## CONTEXT REPORT

“This well-executed carriage arch, designed by Thomas Cooley, provides an interesting architectural and artistic element on the streetscape. It was formerly the entrance to the City Linenhall and Yarnhall, built for the storage of yarn and linen in the city”



Archway to TU Dublin College



maps archaeology ie website map highlighting the entrance

“Round-headed arch, built c.1781, opening from TU Dublin college to Yarnhall Street and Henrietta Place. Cut granite walling with rectangular fascia and with moulded surround to top. Granite Tuscan columns on square plinth bases having square capitals with blocking course having round bosses supporting moulded dentillated granite projecting cornice. Rusticated gauged granite voussoirs to arch, moulded bust to keystone. Roughcast rendered wall to rear of arch. Double-leaf cast-iron gate with decorative upper part. Granite wheel-guards flanking entrance.”

### References;

<http://www.dublincity.ie/swiftlg/apas/run/wphappcriteria.display>

<http://www.dublincity.ie/main-menu-services-planning-city-development-plan/dublin-city-development-plan-2016-2022>

<http://www.dublincity.ie/main-menu-services-planning-heritage-and-conservation-conservation/protected-structures>

<https://www.buildingsofireland.ie/buildings-search/building/50011173/dit-faculty-of-engineering-henrietta-place-yarnhall-street-dublin-dublin-city>

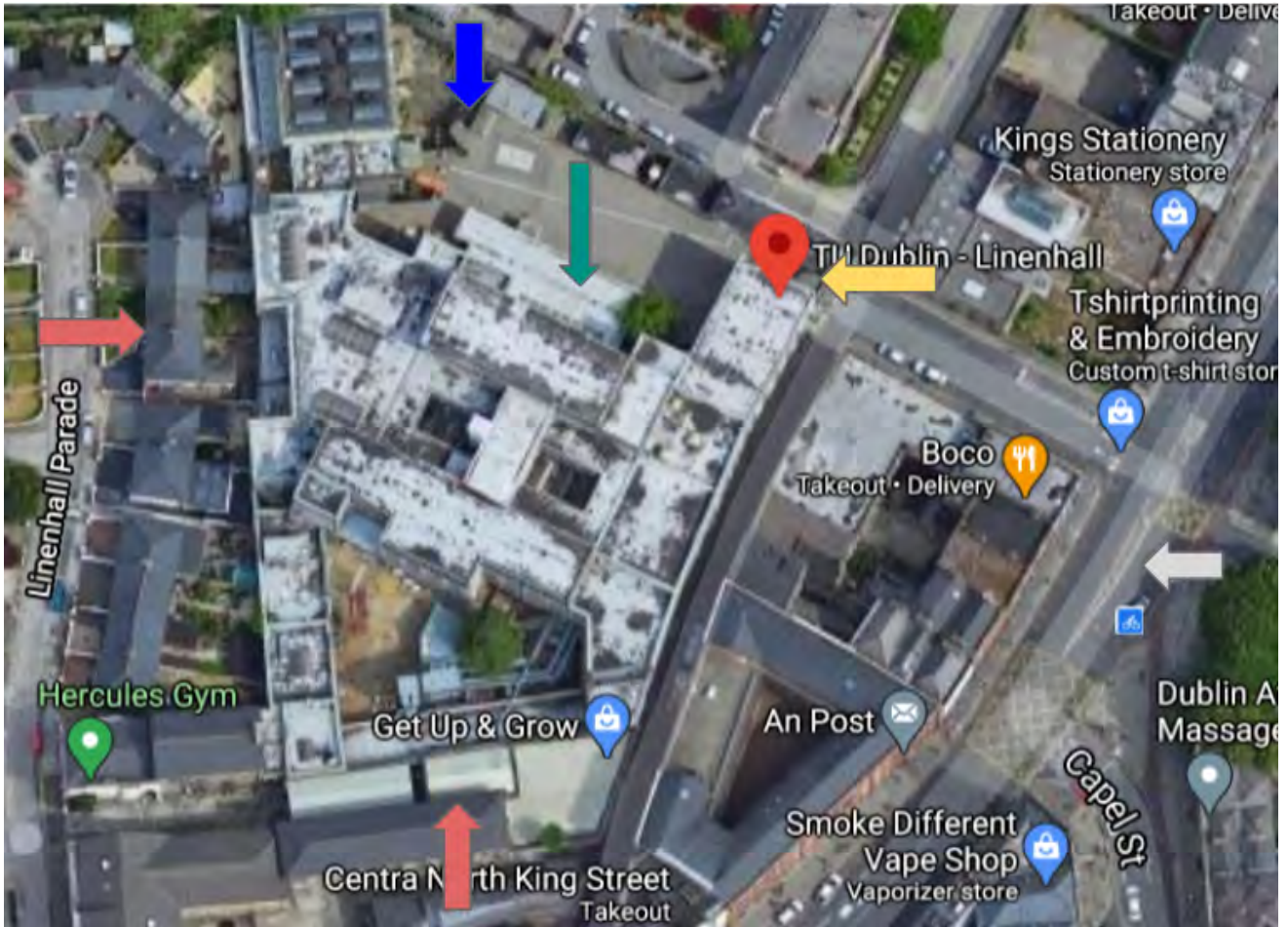
[https://maps.archaeology.ie/historicenvironment/?REG\\_NO=50011173](https://maps.archaeology.ie/historicenvironment/?REG_NO=50011173)

### 4. Former Uses and Current Uses, Proposed Uses & 5. Ownership

#### Former, Current, Future Ownership of Linen Hall

- In 1711 was a Linen House for the board of the Linen and Hempen Manufacturers of Ireland.
- In 1870 it was an Army barracks for the British Army
- In the 1880s parts were occupied by the firm of Hugh, Moore and Alexanders Ltd. who had branched off from the linen trade to focus on the manufacture, sale and distribution of veterinary and pharmaceutical products.
- Was burnt down during the 1916 Easter rising
- In 1925 the 2¼ acre site was leased to the Corporation for 99 years for the erection of 70 temporary dwellings ‘for the poorer class of workers’ (Dublin Corporation Reports and Printed Documents (Housing Committee)).
- In 1963 became a school of trades and joined DIT which was college of technology
- It became an architectural and architectural technology as well as a trade school later and is now part of the Technological University Dublin since 2018.
- With buildings that are dotted around Dublin and part of the University are being moved to new TUD campus in Grangegorman and the buildings sold off, Bolton Street college and linen Hall may be moved in the future and the buildings sold off.

## 6. S.W.O.T. Analysis



### Strengths

- Good location - Dublin 1, close proximity to other facilities, shops and public transport
- ← Extended Foyer and Gallery in a re-landscaped front courtyard
- Good access to daylight in majority of the rooms
- Existing lift with indicators and controls suitable for use by the disabled

### Weaknesses

- Poor external and internal maintenance
- ← Protected structure - the gate at the entrance to the site
- ← Noise pollution from surrounding traffic
- ← Small poor quality public space to the north

## CONTEXT REPORT

- No dedicated car park for the building
- ← Close proximity to other buildings especially from the south and west sides
- Lack of a big internal public space
- Lack of existing soft landscape

### Opportunities

- Preserve or enhance the character of the protected structure
- Buffer the noise pollution from adjacent infrastructure
- Provide high quality public open space
- Provide better facilities for the users of the building
- Improve the quality of the built form on the site and its relationship with the public realm
- Maximise the site's sustainability potential
- Incorporate renewable energy technologies where possible
- Introduce soft landscape across the site

### Threats

- Objections to a development from surrounding buildings and owners of dwellings
- Refusal from Dublin City Council
- Allocating students during the construction process

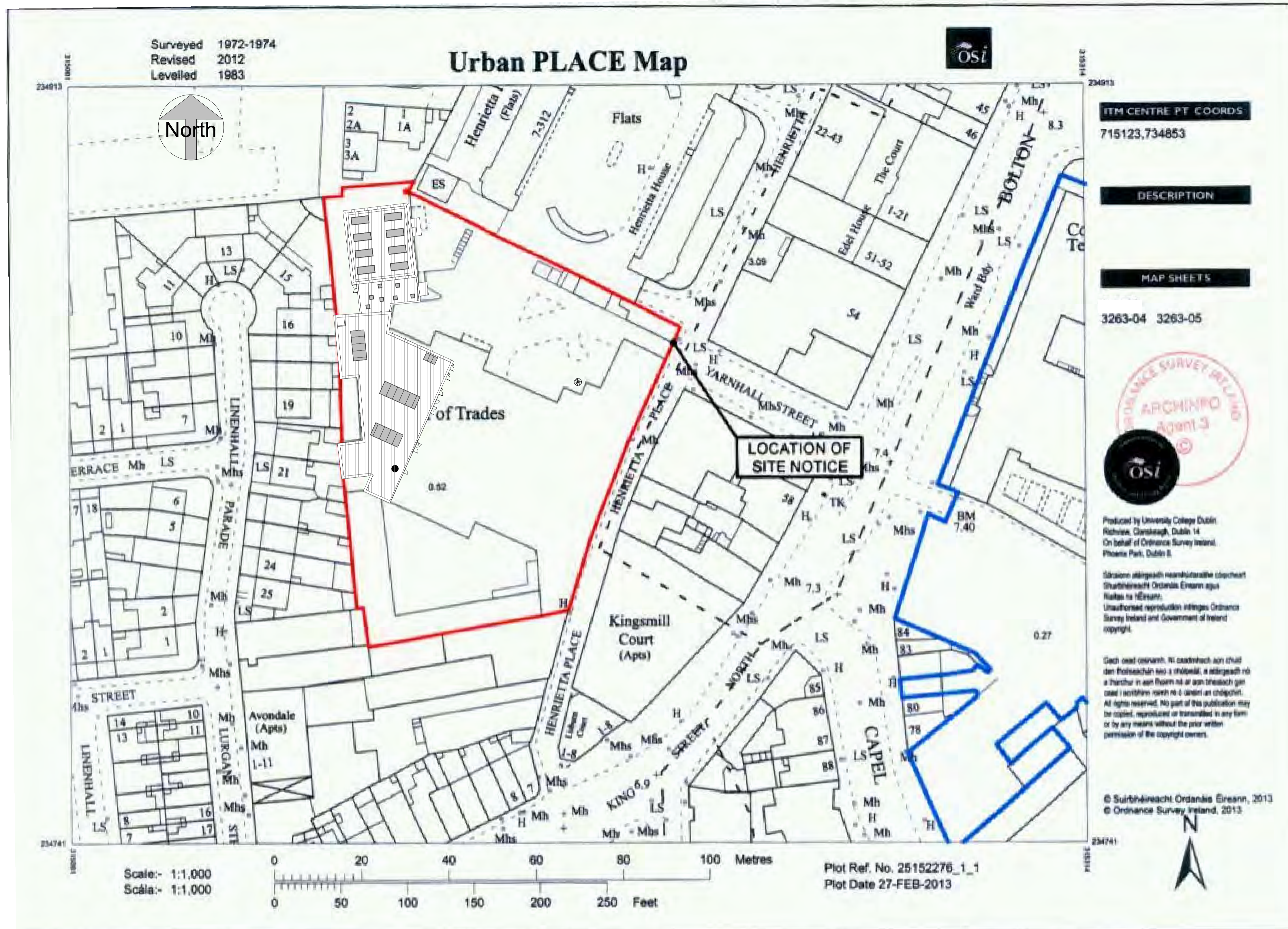


# The Linenhall

## **SURVEY & MODELLING**

Group 6 ~ Liam Deguara ~ Jamie Leonard ~ Sinead KIELTY  
~ Karolina Potocka ~ Kevin O'TOOLE





1 OS Map  
1: 500

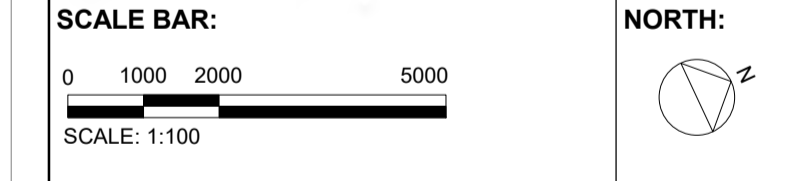
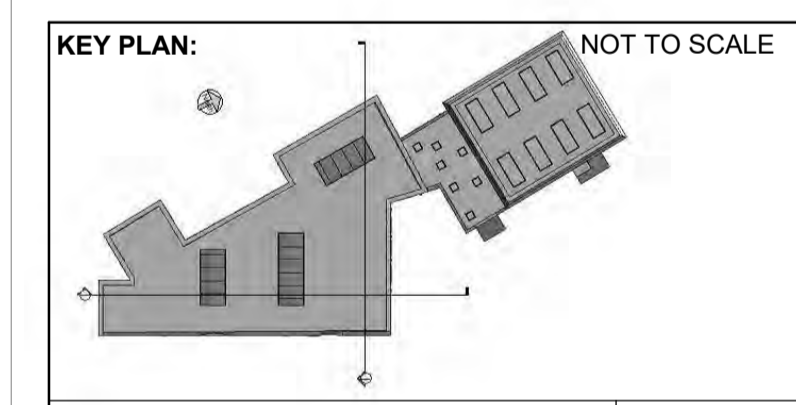
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PROJECT:  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

ARCHITECT:  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole  
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Henrietta Place,  
Dublin 1

CLIENT:  
David Knight

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School of Architecture  
Linhall  
Dublin

ST	REV	DESCRIPTION	DATE

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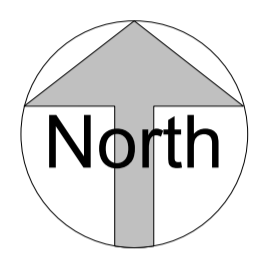
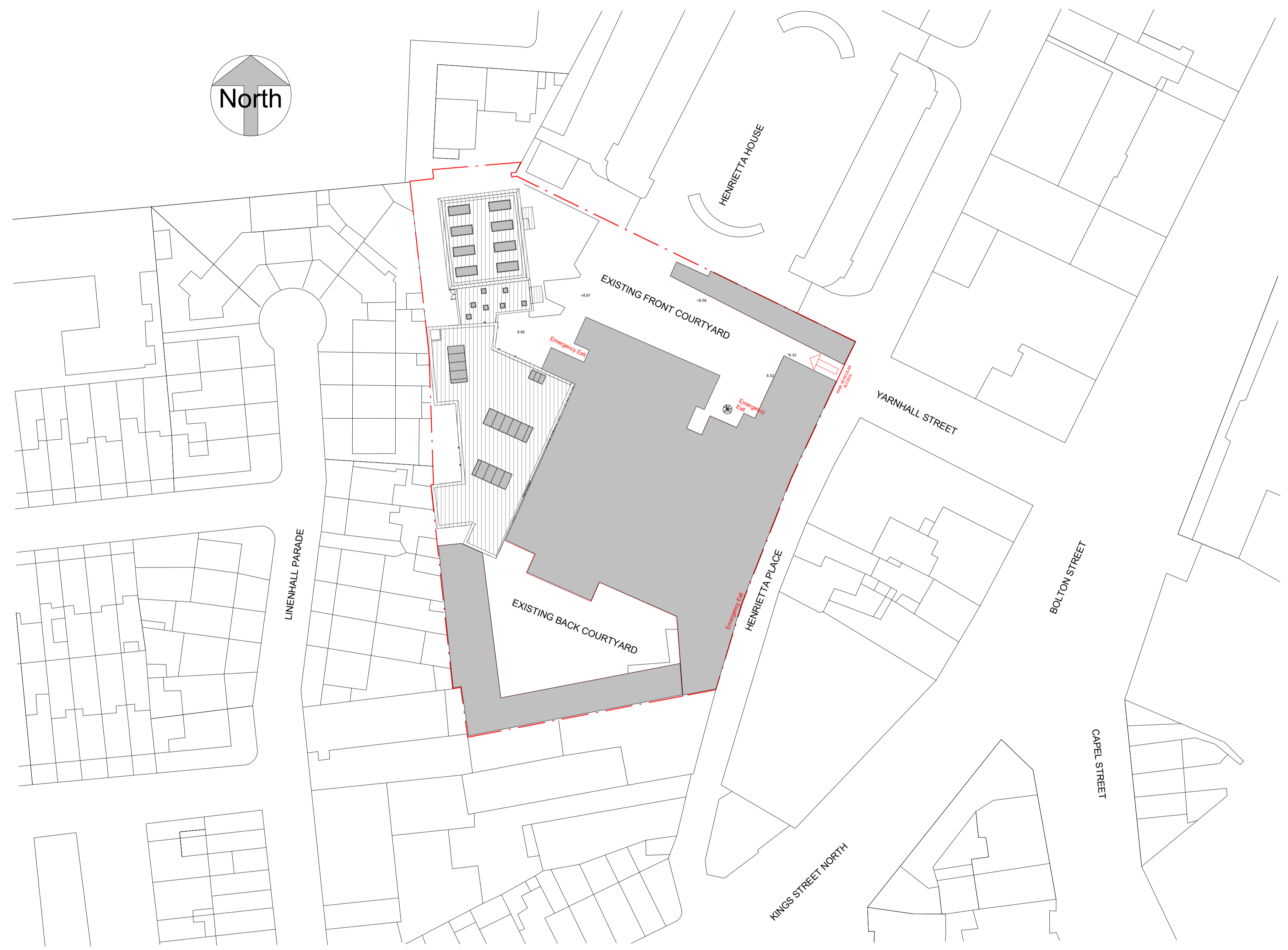
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OS MAP

DRAWING NUMBER:  
Project Originator Volume Level Type Role - Number

TDS 2: T06 . . . . . A101

STATUS: REV:





**1** Site map  
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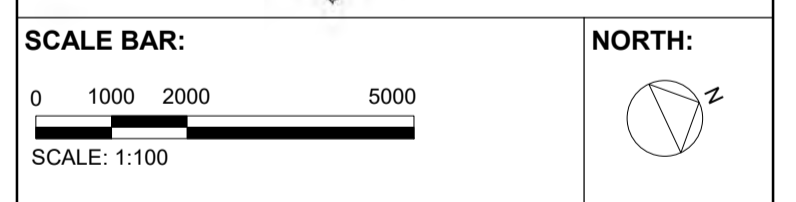
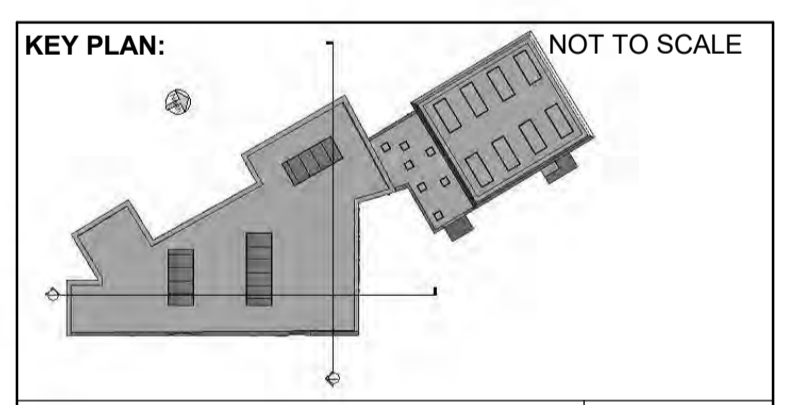
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**CLIENT:**  
David Knight

TU Dublin  
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ST	REV	DESCRIPTION	DATE

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1 : 500

**CHK:** David    **APP:** David  
**DES:** Team 6    **DRW:** Team 6

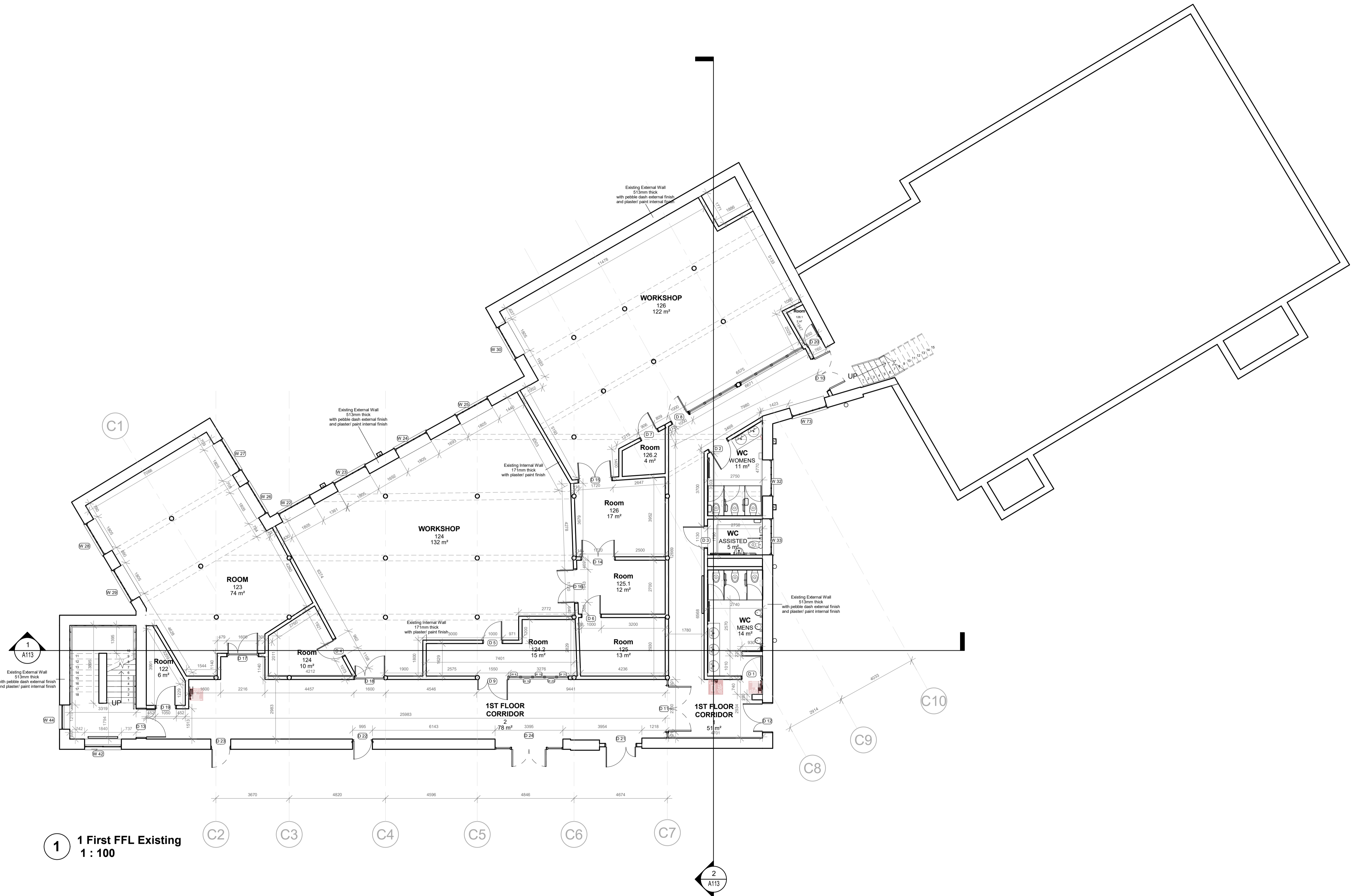
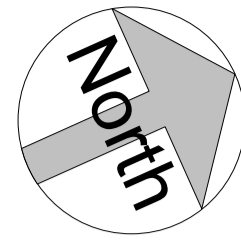
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**DRAWING NUMBER:** (Revit Sheet Number)

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**STATUS:**    **REV:**



1 1 First FFL Existing  
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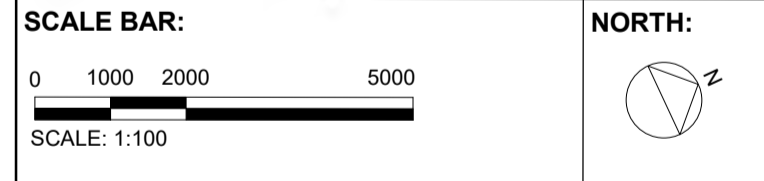
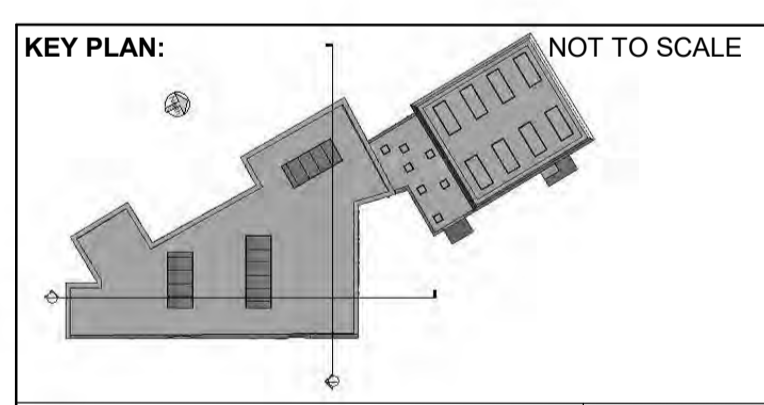
- Legend**
- Beam Overhead
  - 210mm Round Concrete Columns
  - Fire Extinguisher Location
  - Fire Hose Location

**PROJECT:**  
TDS 2:  
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ST	REV	DESCRIPTION	DATE

**SCALE AT A1:**  
As indicated

**CHK:** David    **APP:** David  
**DES:** Team 6    **DRW:** Team 6

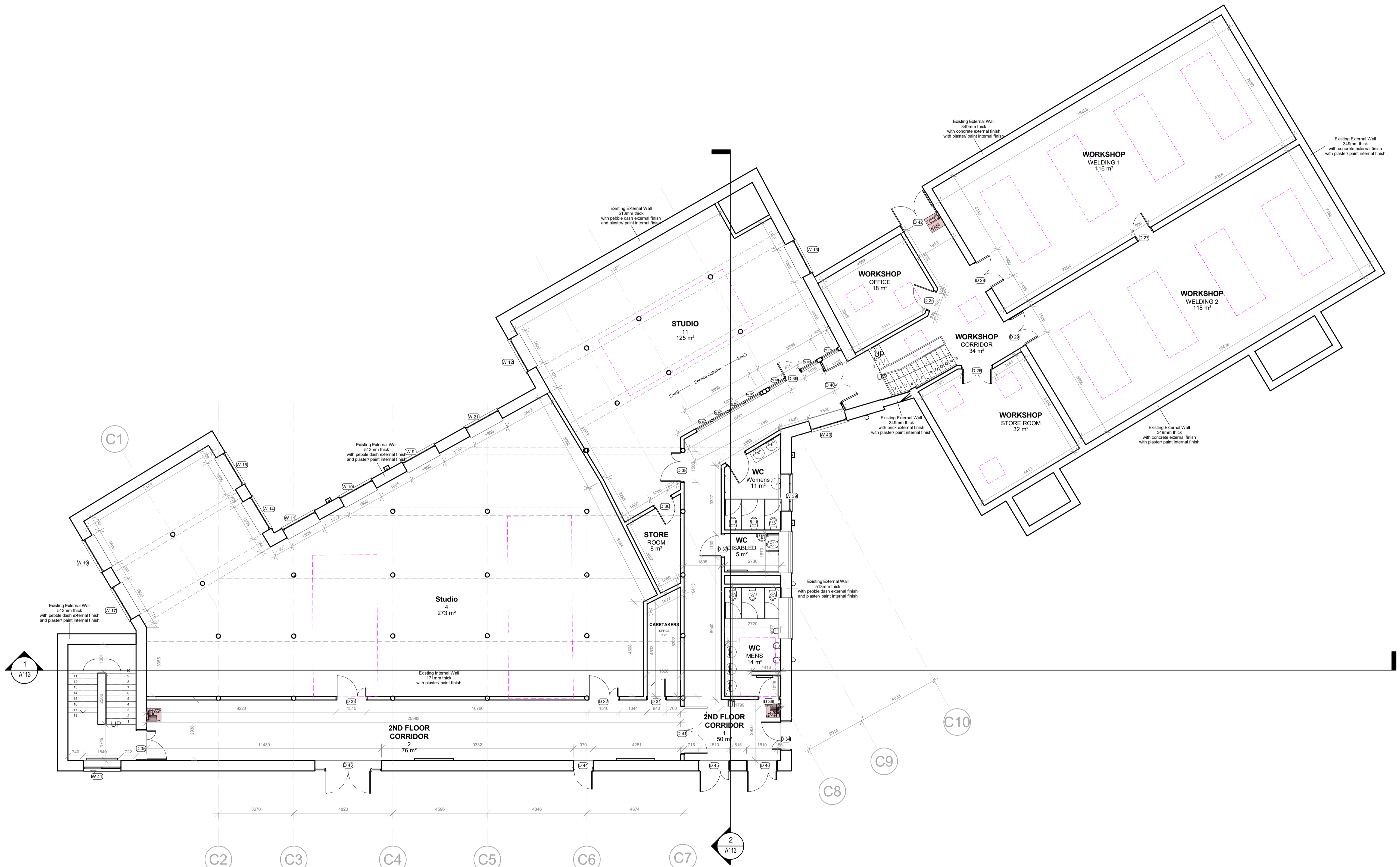
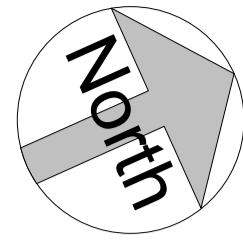
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Project Originator Volume Level Type Role - Number  
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**Legend**

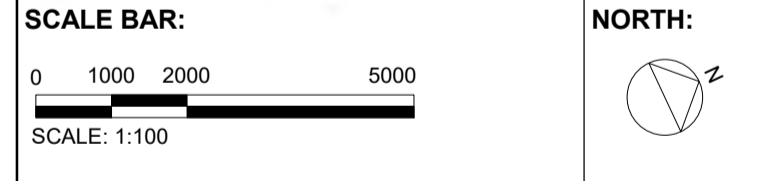
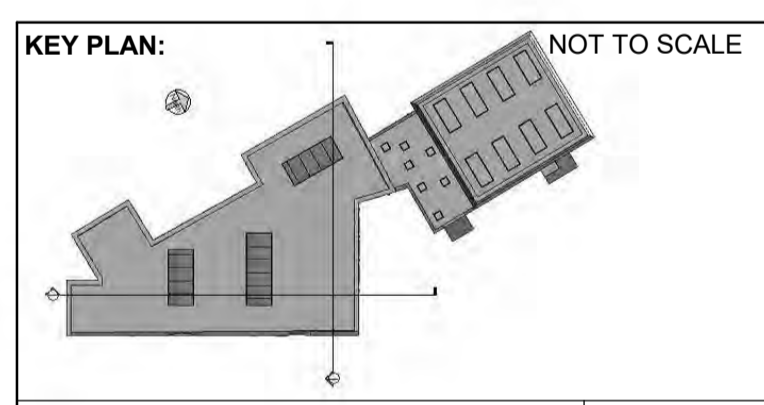
- Beam Overhead
- 210mm Round Concrete Columns
- Fire Extinguisher Location
- Fire Hose Location
- Skylight Overhead

**PROJECT:**  
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ST	REV	DESCRIPTION	DATE

**SCALE AT A1:**  
As indicated

**CHK:** David    **APP:** David  
**DES:** Team 6    **DRW:** Team 6

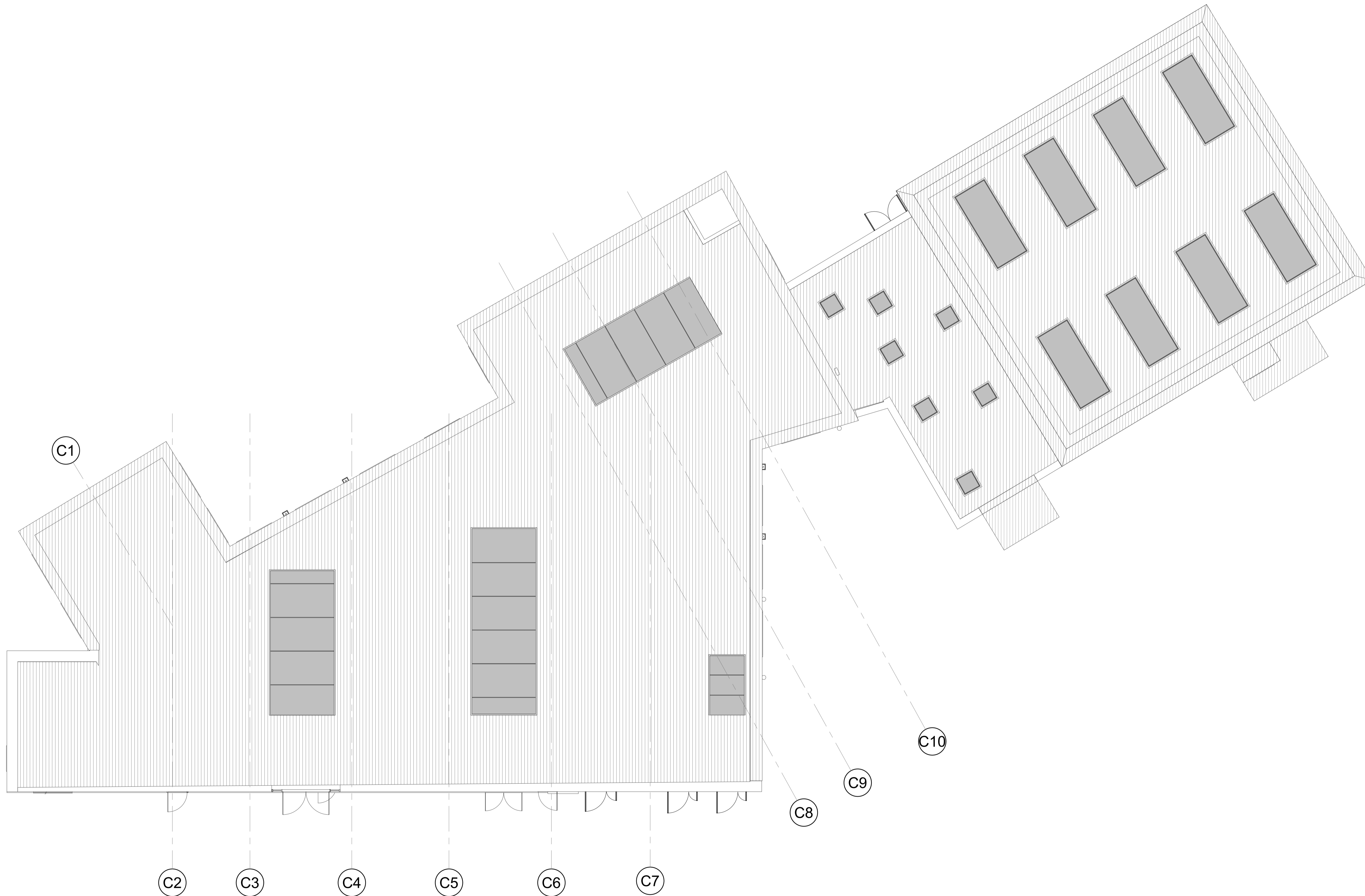
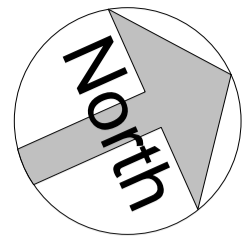
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**DRAWING NUMBER:**    (Revit Sheet Number)

Project Originator Volume Level Type Role - Number  
TDS 2 · T06 · XX · 02 · DR · A104

**STATUS:**    **REV:**



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1 : 100

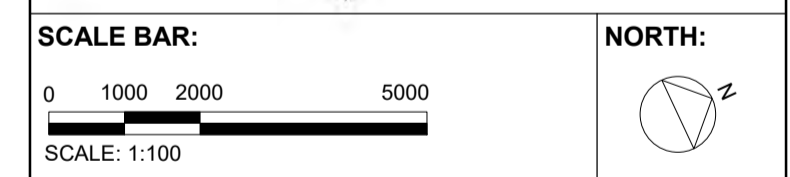
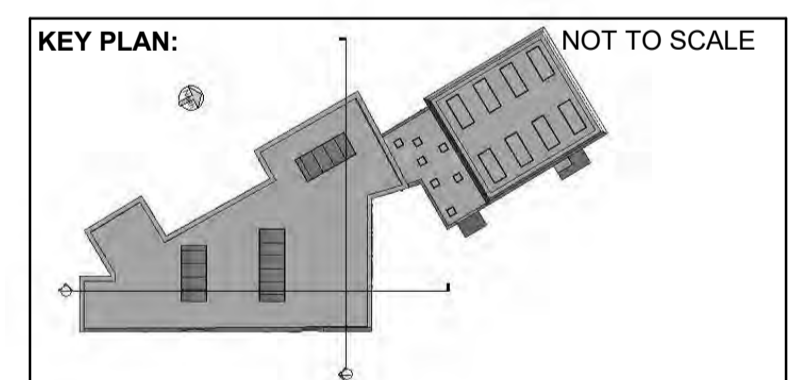
**NOTES:**

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TDS 2:  
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TU Dublin Linenhall,  
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**SCALE AT A1:**  
1 : 100

**CHK:** David    **APP:** David  
**DES:** Team 6    **DRW:** Team 6

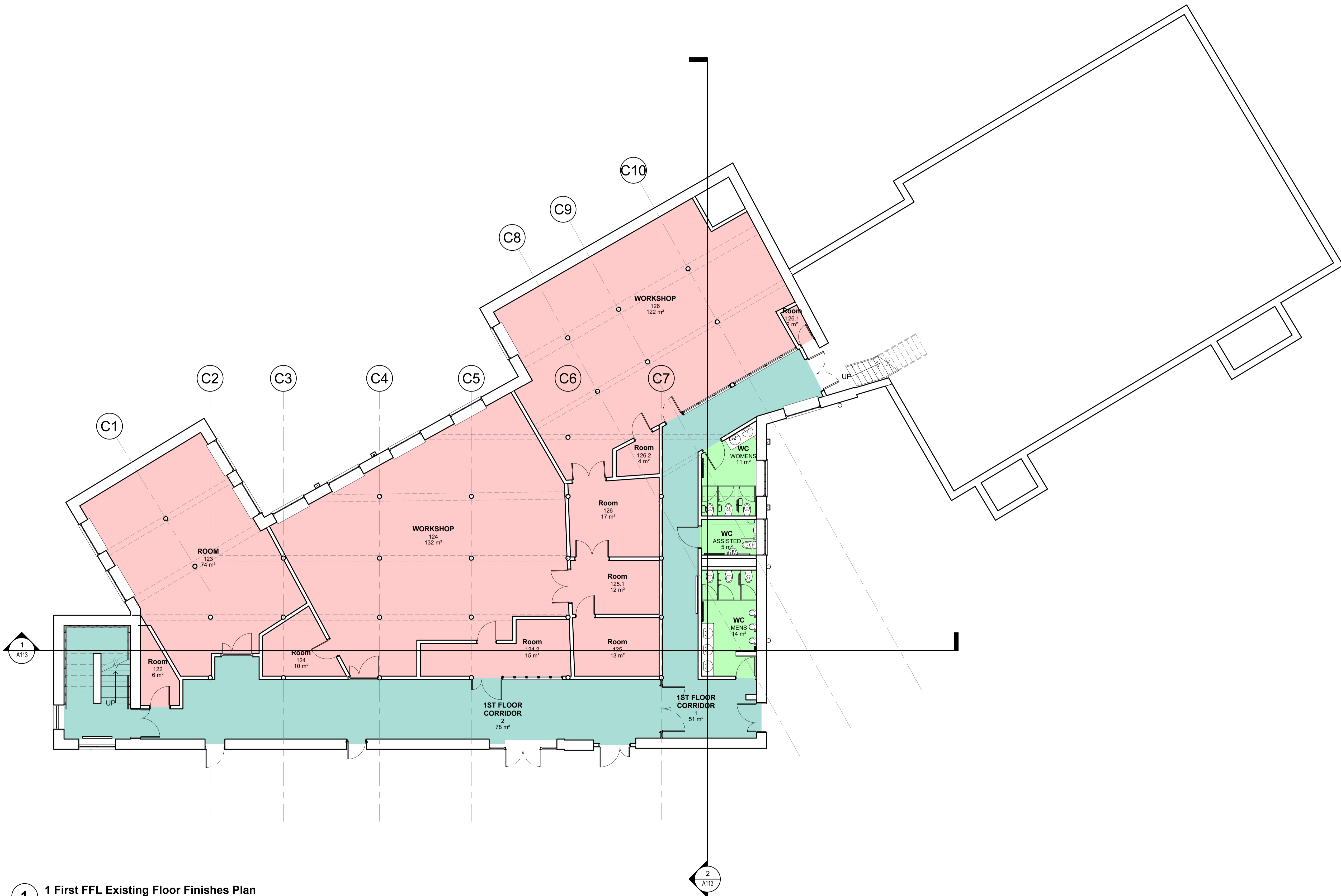
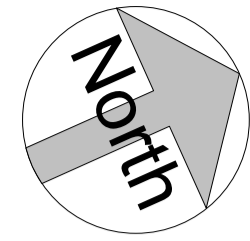
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Existing Survey -    A105

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EXISTING ROOF PLAN

**DRAWING NUMBER:** (Revit Sheet Number)

Project	Originator	Volume	Level	Type	Role - Number
TDS 2	T06	XX	R1	DR	A105

**STATUS:**    **REV:**



**1** 1 First FFL Existing Floor Finishes Plan  
1 : 100

**NOTES:**

**Floor Finishes Schedule**

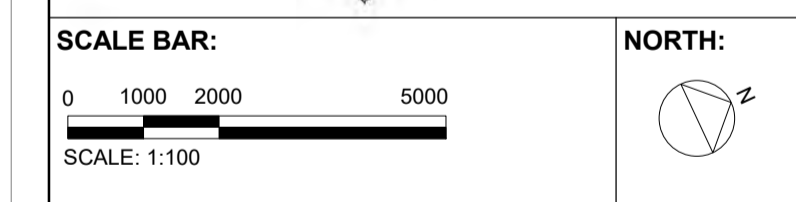
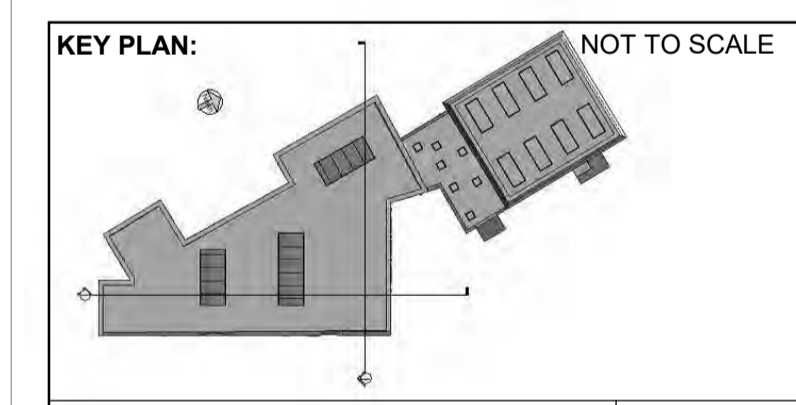
- Concrete
- Timber
- Vinyl

**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole  
  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**CLIENT:**  
David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin



ST	REV	DESCRIPTION	DATE

SCALE AT A1:  
1 : 100

CHK: David APP: David  
DES: Team 6 DRW: Team 6

DRAWING SERIES: SHEET NUMBER  
Existing Survey - A106

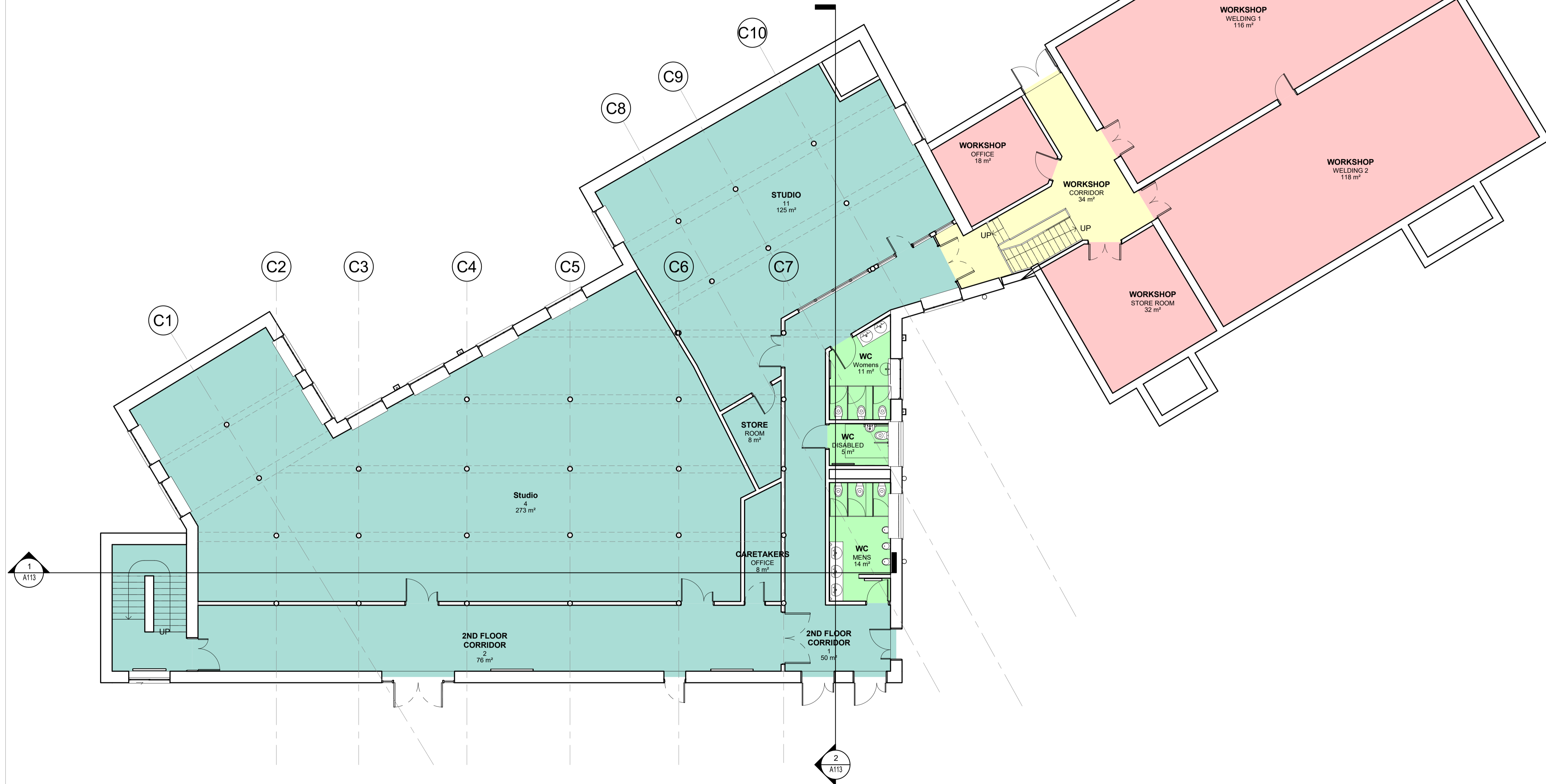
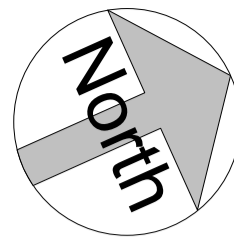
DRAWING TITLE:  
EXISTING 1ST FLOOR FINISHES PLAN

DRAWING NUMBER: (Revit Sheet Number)

Project Originator Volume Level Type Role - Number

TDS 2 - T06 - - - A106

STATUS: REV:



**1** Second FFL Existing Floor Finishes Plan  
1 : 100

**NOTES:**

**Floor Finishes Schedule**

- Concrete
- Tile
- Timber
- Vinyl

**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole

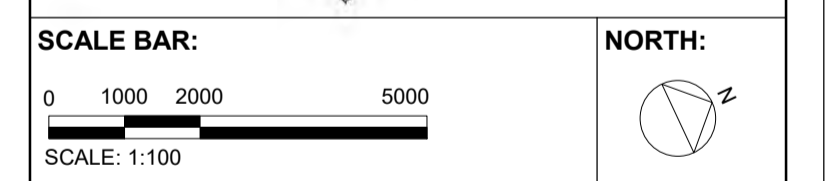
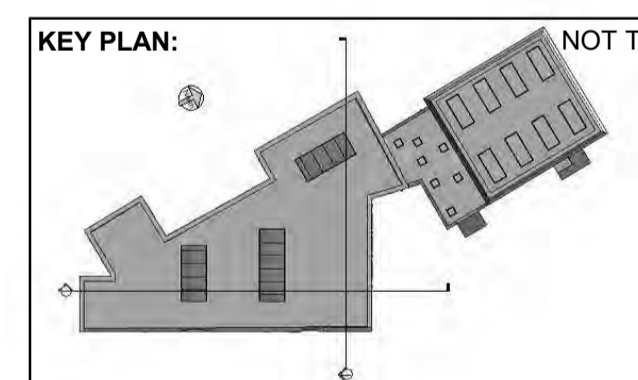
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**CLIENT:**  
David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin



**KEY PLAN:** NOT TO SCALE



ST	REV	DESCRIPTION	DATE

SCALE AT A1:  
1 : 100

CHK: David APP: David  
DES: Team 6 DRW: Team 6

DRAWING SERIES:  
Existing Survey -

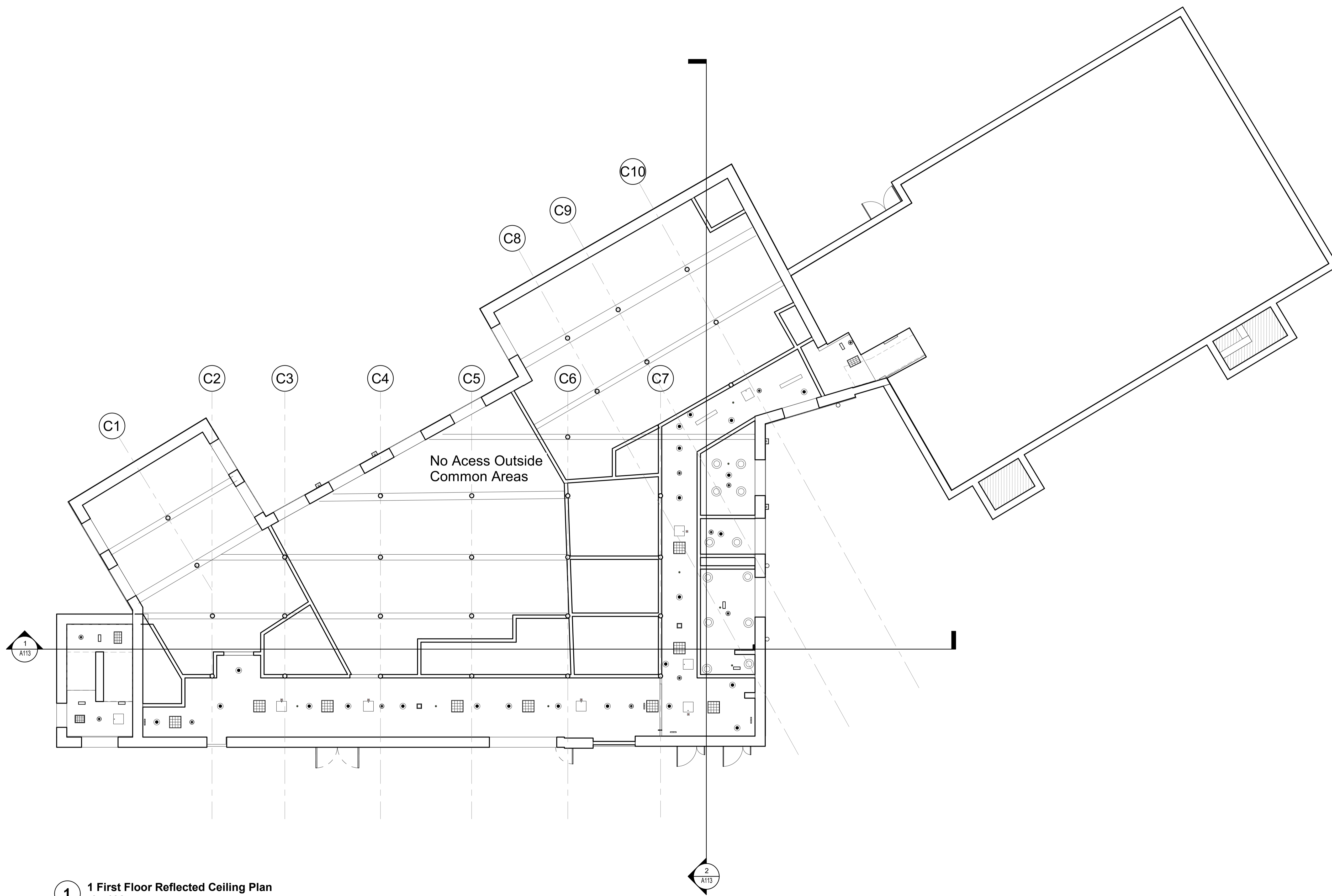
SHEET NUMBER  
A107

DRAWING TITLE:  
EXISTING 2ND FLOOR FINISHES PLAN

DRAWING NUMBER:  
(Revit Sheet Number)

Project Originator Volume Level Type Role - Number  
TDS 2 - T06 - - - A107

STATUS: REV:



**1** 1 First Floor Reflected Ceiling Plan  
1 : 100

**NOTES:**

**Ceiling Legend**

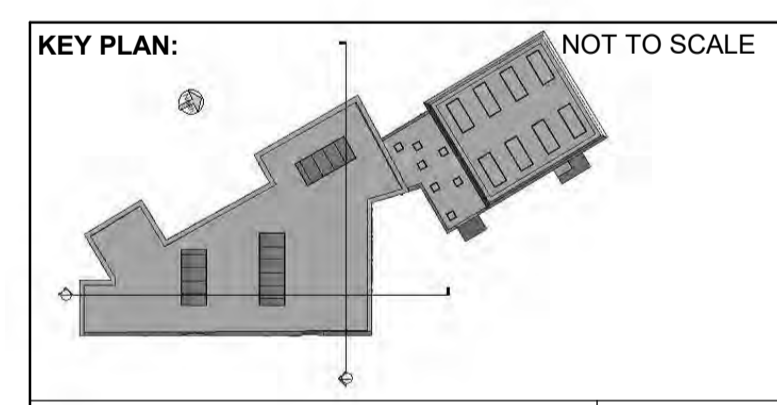
- Beam
- 210mm Round Concrete Columns
- Sprinkler
- Sensor
- Fire Detector Operator
- E Emergency Exit Ceiling Light
- Fire Detector
- Emergency Light
- Emergency Light
- WC Light
- Common Areas Light
- Services Access Opening

**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole  
  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**CLIENT:**  
David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin



ST	REV	DESCRIPTION	DATE

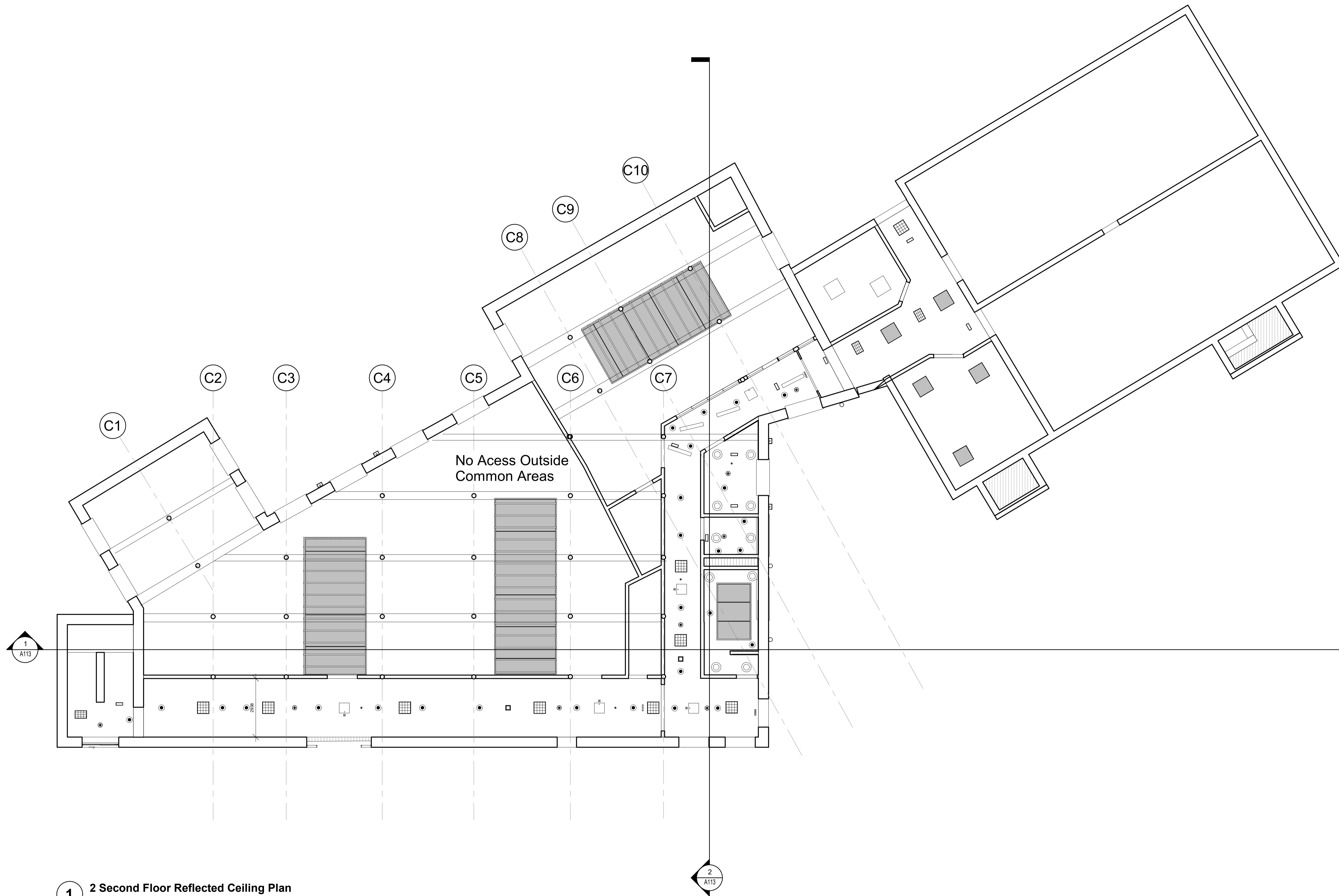
<b>SCALE AT A1:</b> As indicated	<b>CHK:</b> David	<b>APP:</b> David
<b>DRAWING SERIES:</b> Existing Survey -	<b>DES:</b> Team 6	<b>DRW:</b> Team 6
		<b>SHEET NUMBER:</b> A108

**DRAWING TITLE:**  
EXISTING 1ST FLOOR REFLECTED  
CEILING PLAN

**DRAWING NUMBER:** (Revit Sheet Number)

Project Originator Volume Level Type Role - Number  
TDS 2 - T06 - XX - C1 - DR - A108

**STATUS:** **REV:**



**1** 2 Second Floor Reflected Ceiling Plan  
1 : 100

**NOTES:**

**Ceiling Legend**

- Beam
- 210mm Round Concrete Columns
- Sprinkler
- Sensor
- Fire Detector Operator
- E Emergency Exit Ceiling Light
- Fire Detector
- Emergency Light
- Emergency Light
- WC Light
- Common Areas Light
- Services Access Opening

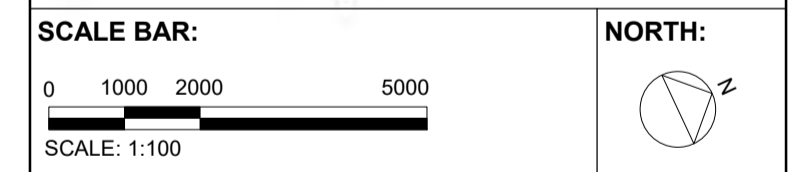
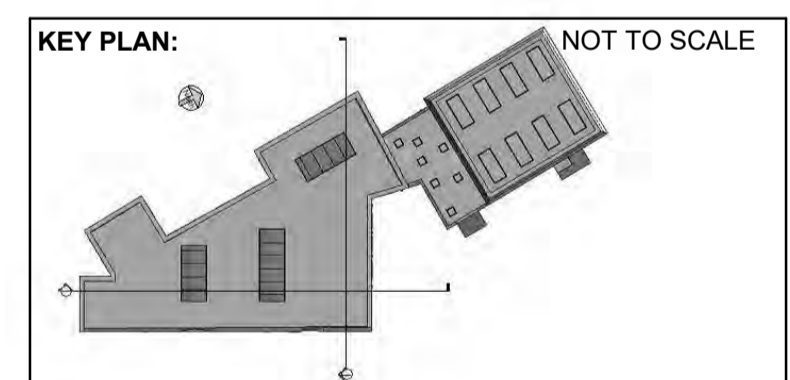
**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole

TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**CLIENT:**  
David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin



ST	REV	DESCRIPTION	DATE

SCALE AT A1:  
As indicated

CHK: David APP: David  
DES: Team 6 DRW: Team 6

DRAWING SERIES: SHEET NUMBER  
Existing Survey - A109

**DRAWING TITLE:**  
EXISTING 2ND FLOOR REFLECTED  
CEILING PLAN

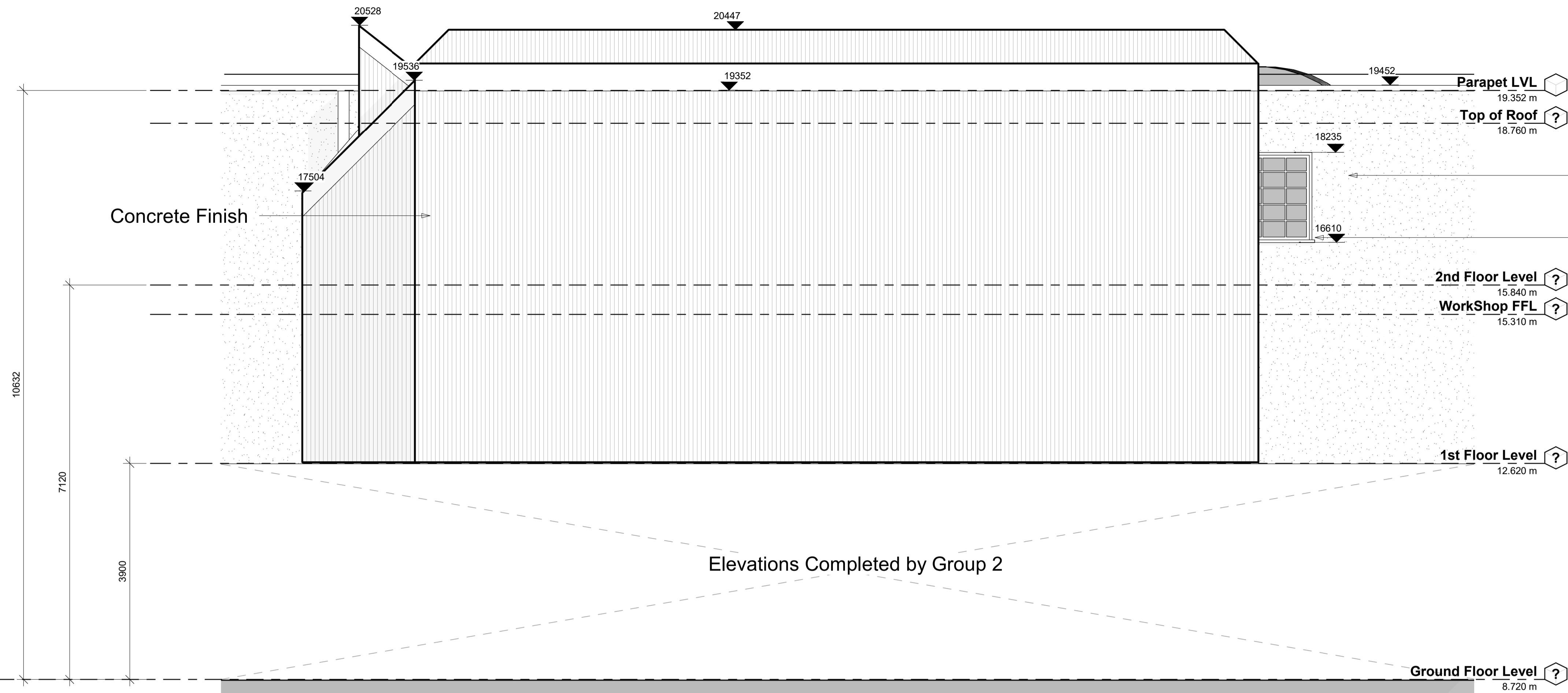
**DRAWING NUMBER:** (Revit Sheet Number)

Project Originator Volume Level Type Role - Number

TDS 2 - T06 - - - A109

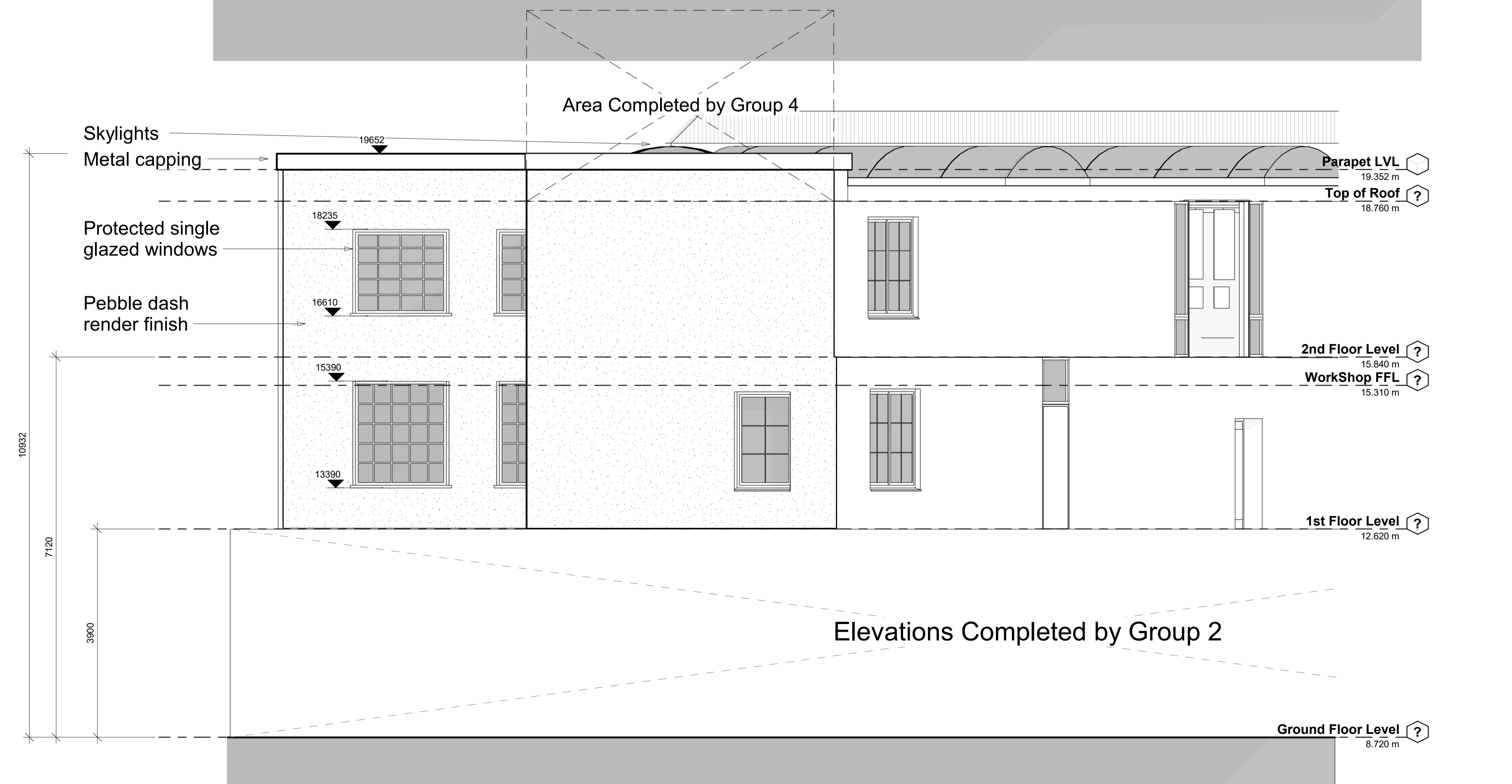
**STATUS:** **REV:**





Elevations Completed by Group 2

1 Existing North Elevation  
1 : 50



Elevations Completed by Group 2

2 Existing South Elevation  
1 : 50

NOTES:

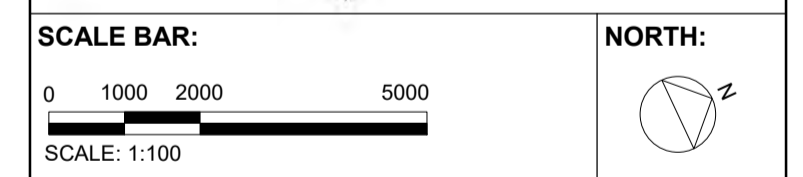
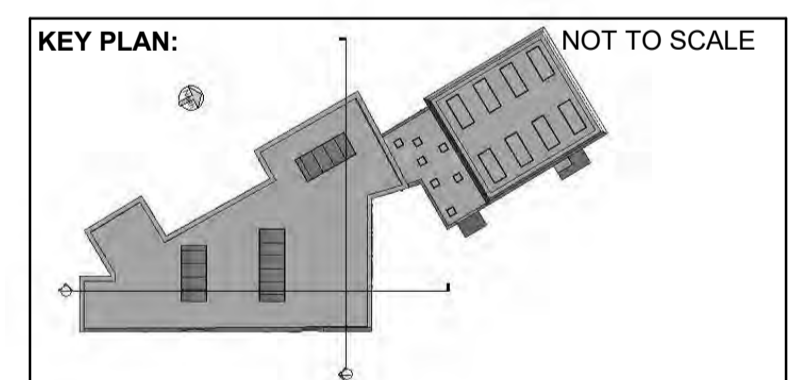
**PROJECT:**  
 TDS 2:  
 TDS TECH4100 Assessment 1  
 - Collaborative  
 TU Dublin Linenhall,  
 Henrietta Place,  
 Dublin 1

**ARCHITECT:**  
 Liam Deguara, Jamie Leonard,  
 Sinead Kielty, Karolina Potocka,  
 Kevin O'Toole

TU Dublin Linenhall,  
 Henrietta Place,  
 Dublin 1

**CLIENT:**  
 David Knight

TU Dublin  
 School of Architecture  
 Linenhall  
 Dublin



ST	REV	DESCRIPTION	DATE

SCALE AT A1:  
 1 : 50  
 CHK: David APP: David  
 DES: Team 6 DRW: Team 6

DRAWING SERIES: SHEET NUMBER  
 Existing Survey - A110

DRAWING TITLE:  
 ELEVATIONS

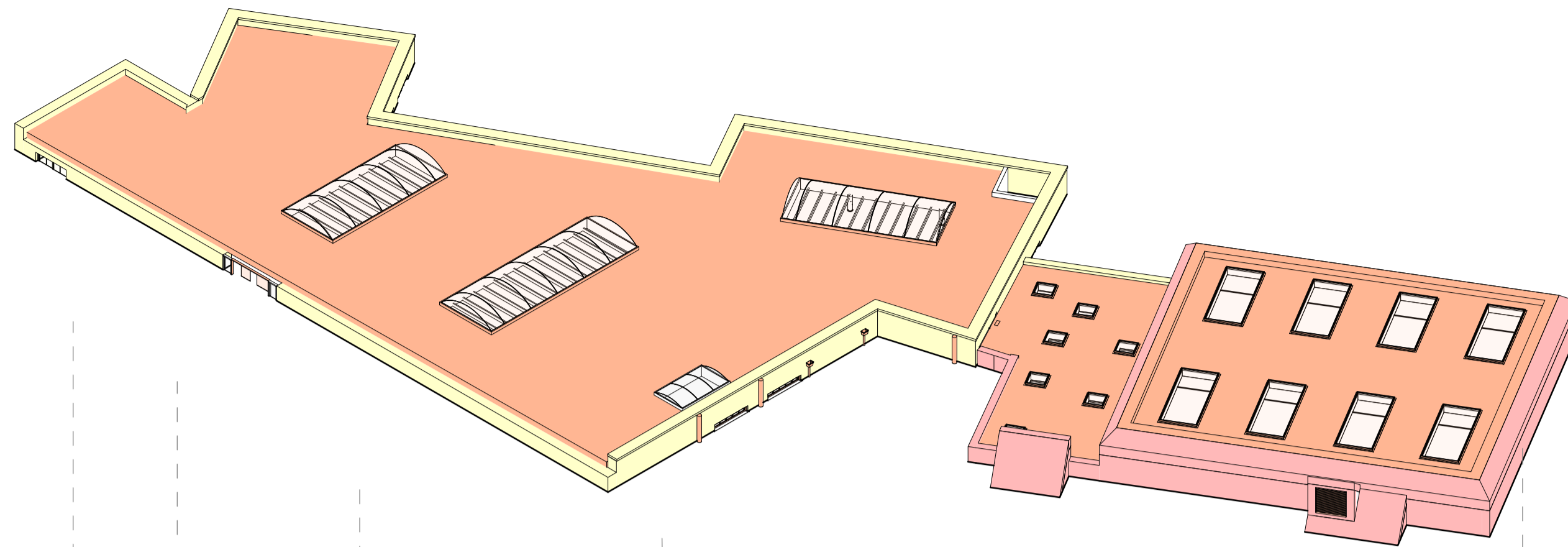
DRAWING NUMBER: (Revit Sheet Number)

Project Originator Volume Level Type Role - Number  
 TDS 2 T06 XX ZZ DR A110

STATUS: REV:

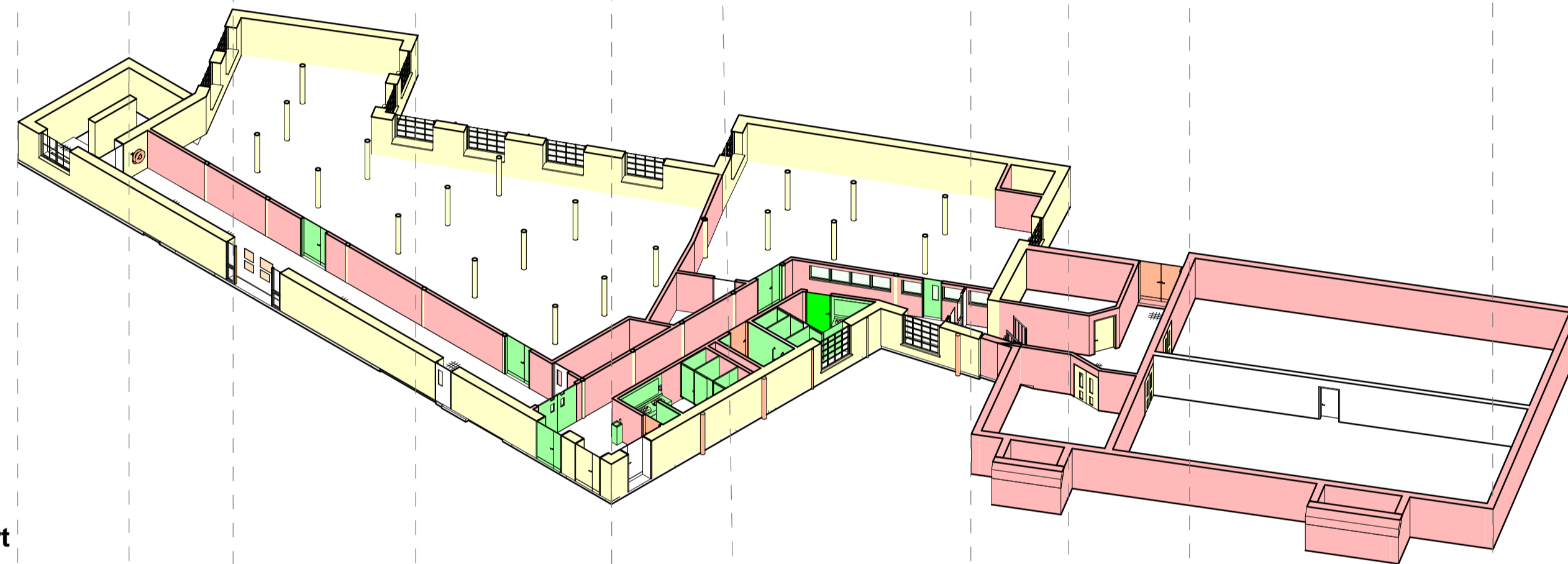


1 3D Roof Level Condition Report

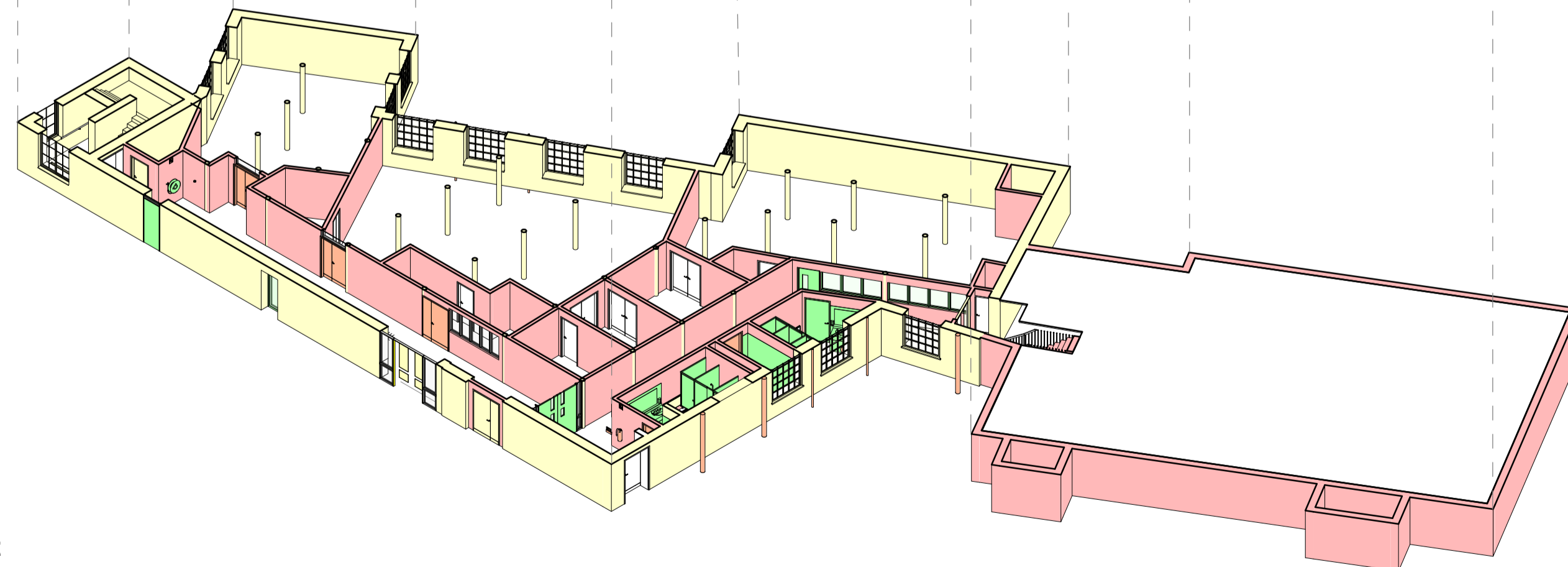


Condition Evaluator	
	Good
	Average
	Requires Certified Inspection
	Bad

2 3D 2nd Floor Level Condition Report



3 3D 1st Floor Level Condition Report



NOTES:

**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

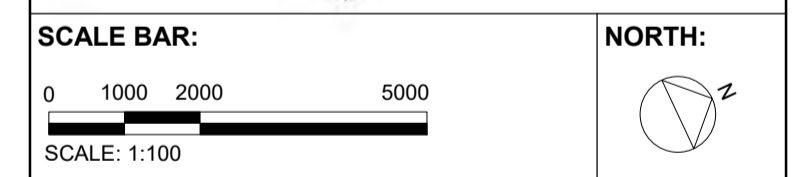
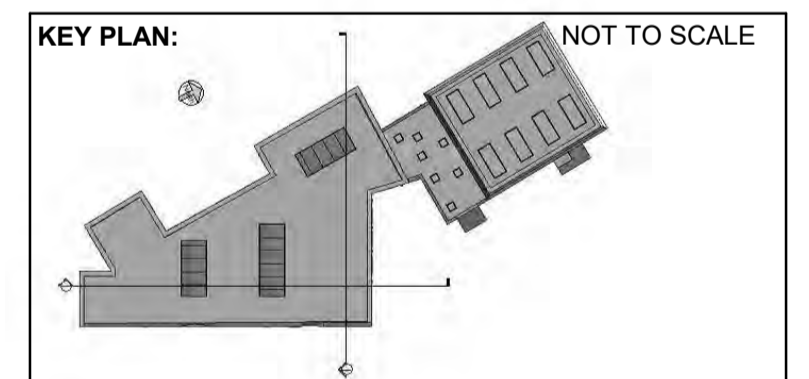
**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole

TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**CLIENT:**  
David Knight



TU Dublin  
School of Architecture  
Linenhall  
Dublin



ST	REV	DESCRIPTION	DATE

SCALE AT A1: 1 : 1  
CHK: David APP: David  
DES: Team 6 DRW: Team 6

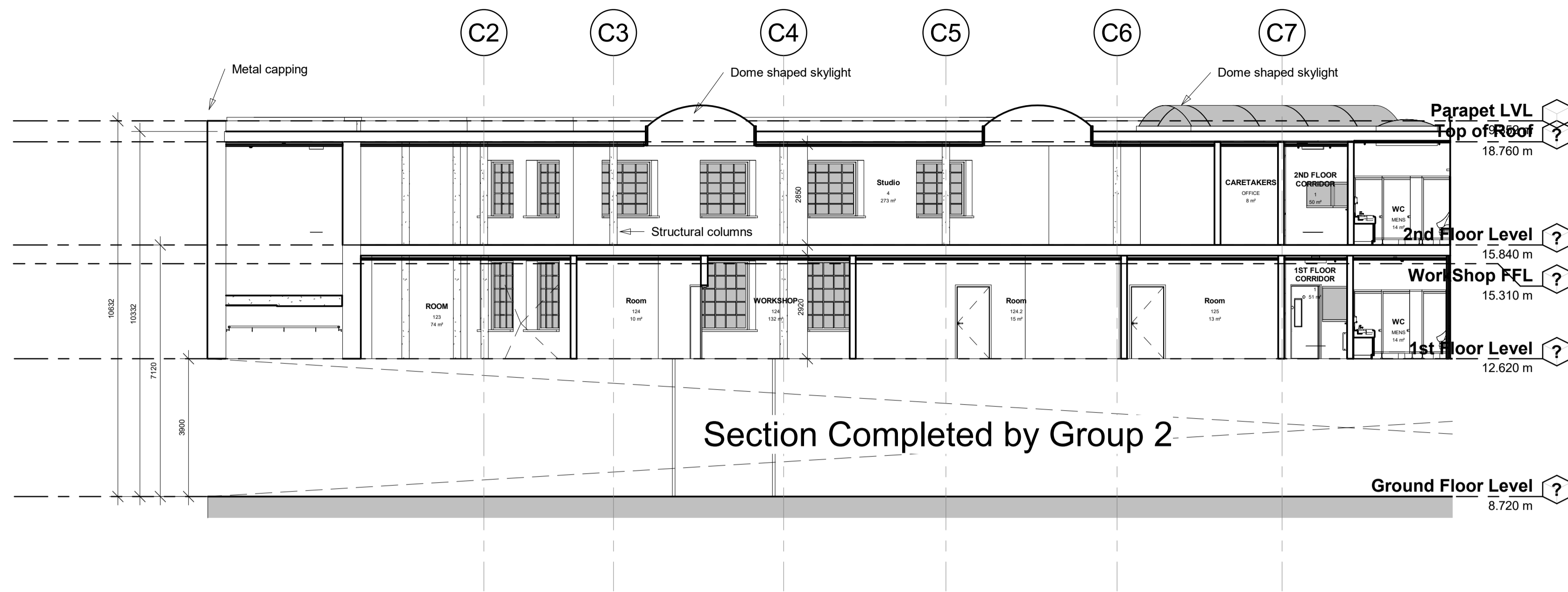
DRAWING SERIES: SHEET NUMBER  
Existing Survey - A112

DRAWING TITLE:  
3D CONDITION REPORT

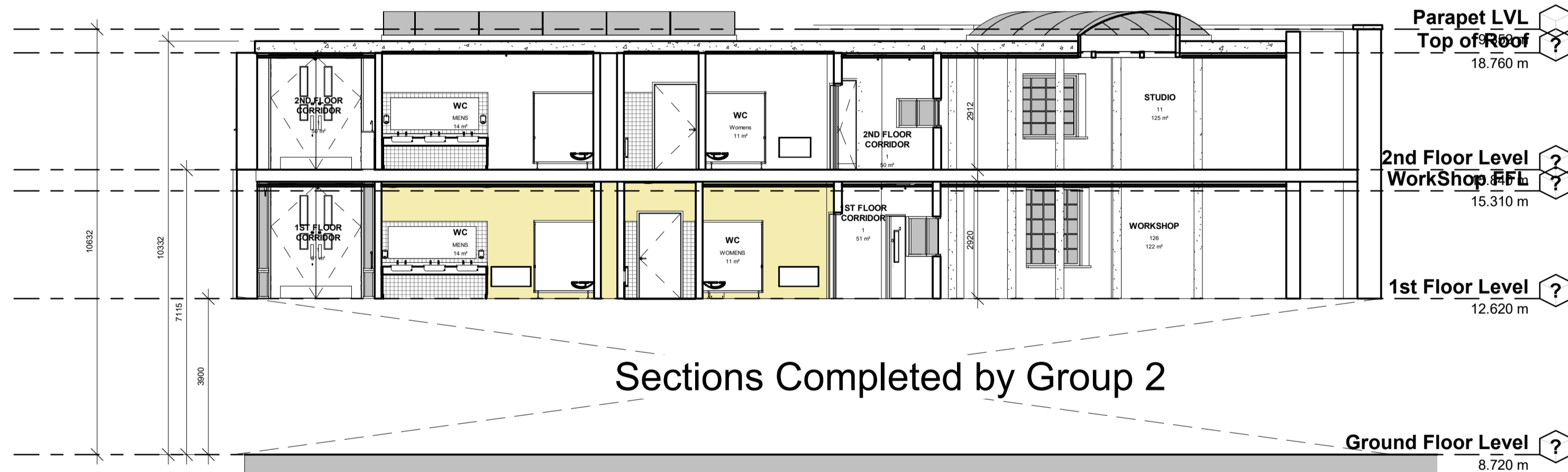
DRAWING NUMBER: (Revit Sheet Number)  
Project Originator Volume Level Type Role - Number

TDS 2 - T06 - ZZ - ZZ - MOD - A112

STATUS: REV:



1 Section A-A  
1 : 100



2 Section B-B  
1 : 100

NOTES:

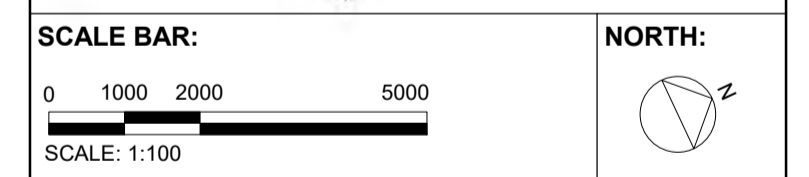
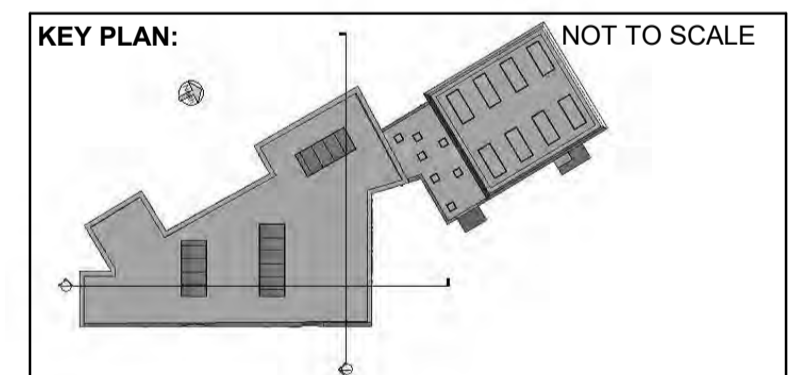
**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole

TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**CLIENT:**  
David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin



ST	REV	DESCRIPTION	DATE

SCALE AT A1:  
1 : 100  
CHK: David APP: David  
DES: Team 6 DRW: Team 6

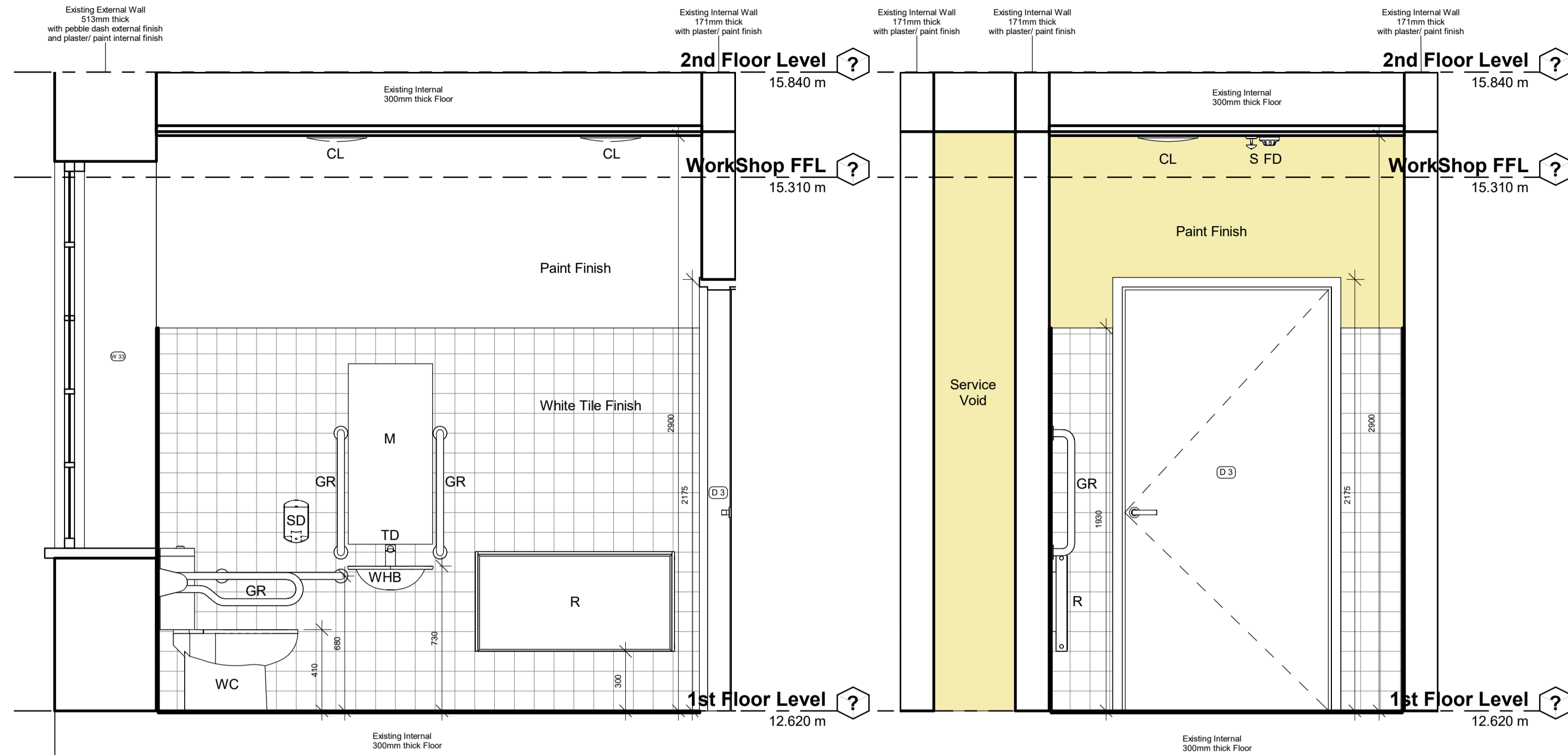
DRAWING SERIES:  
Existing Survey -  
SHEET NUMBER  
A113

DRAWING TITLE:  
SECTIONS

DRAWING NUMBER:  
(Revit Sheet Number)  
Project Originator Volume Level Type Role - Number

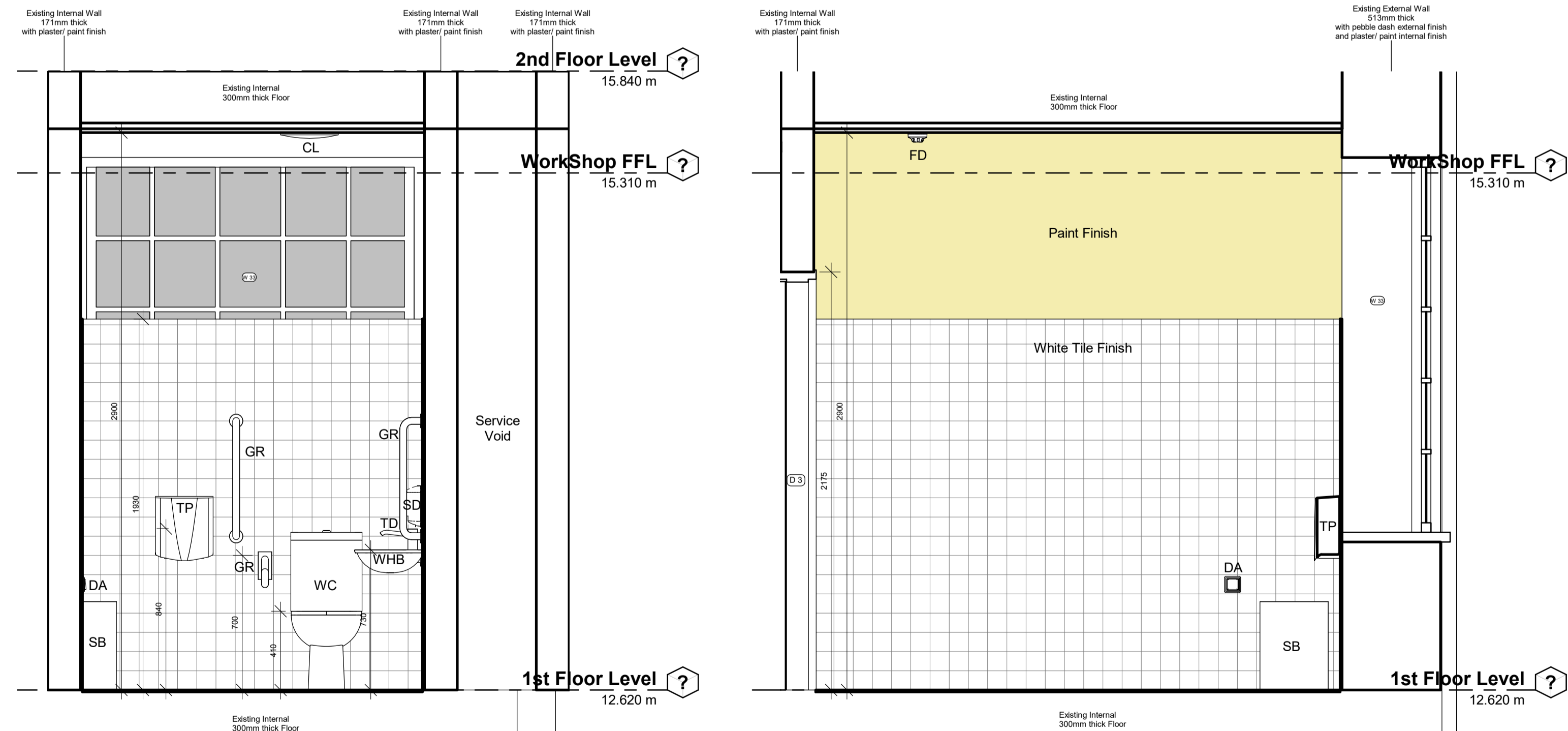
TDS 2 · T06 · ZZ · ZZ · DR · A113

STATUS: REV:



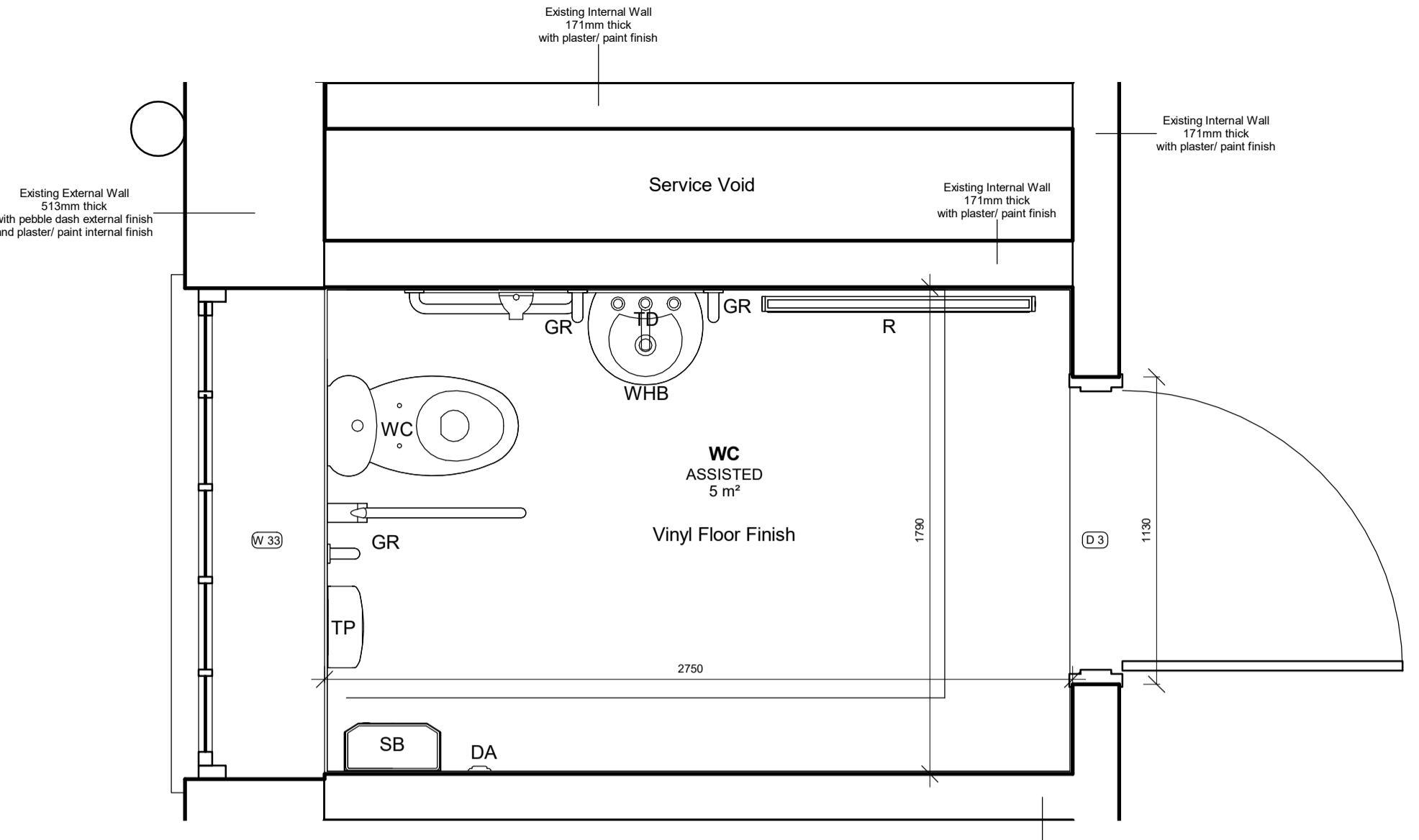
**1 Disabled WC Elevation 1**  
1 : 20

**2 Disabled WC Elevation 2**  
1 : 20

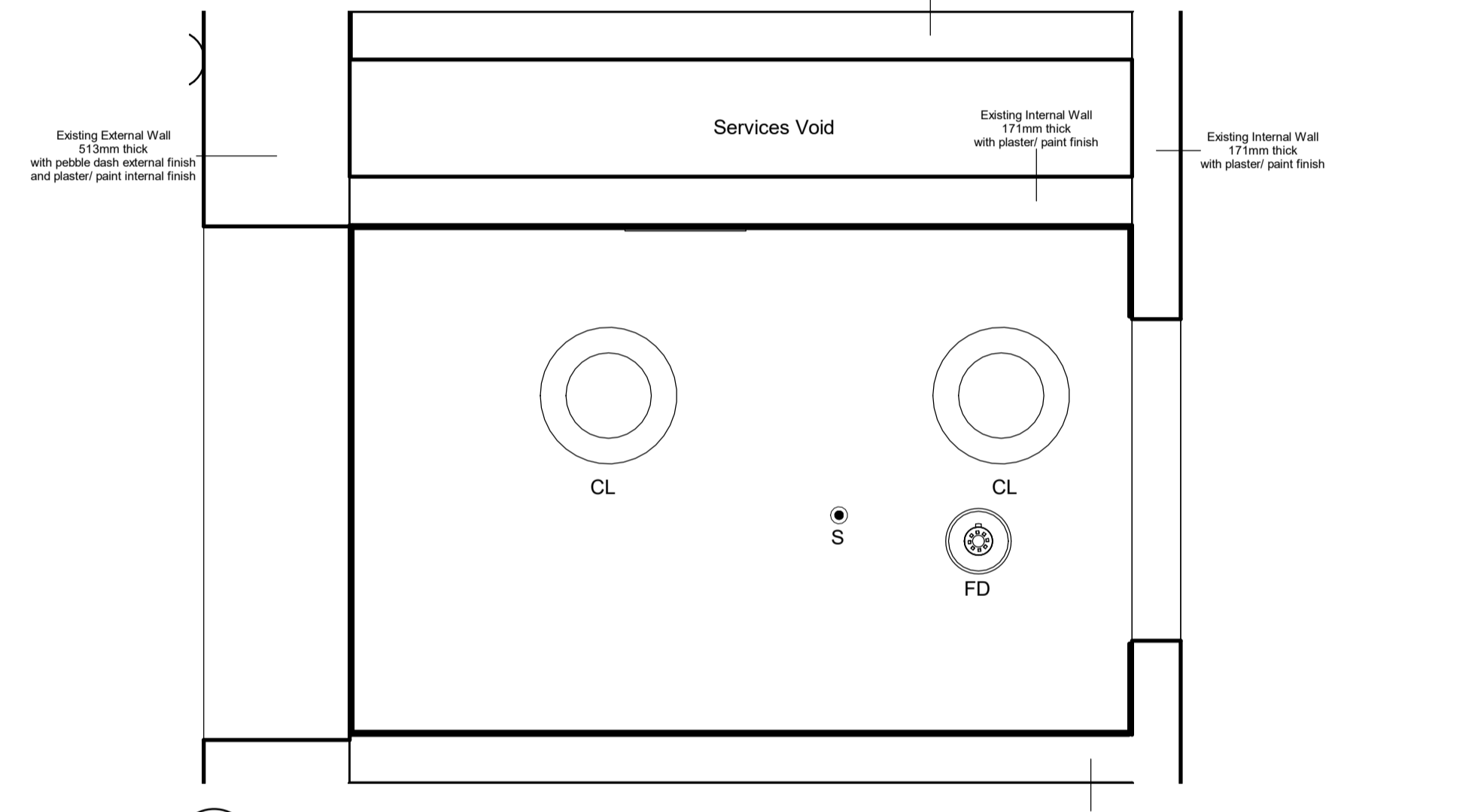


**4 Disabled WC Elevation 4**  
1 : 20

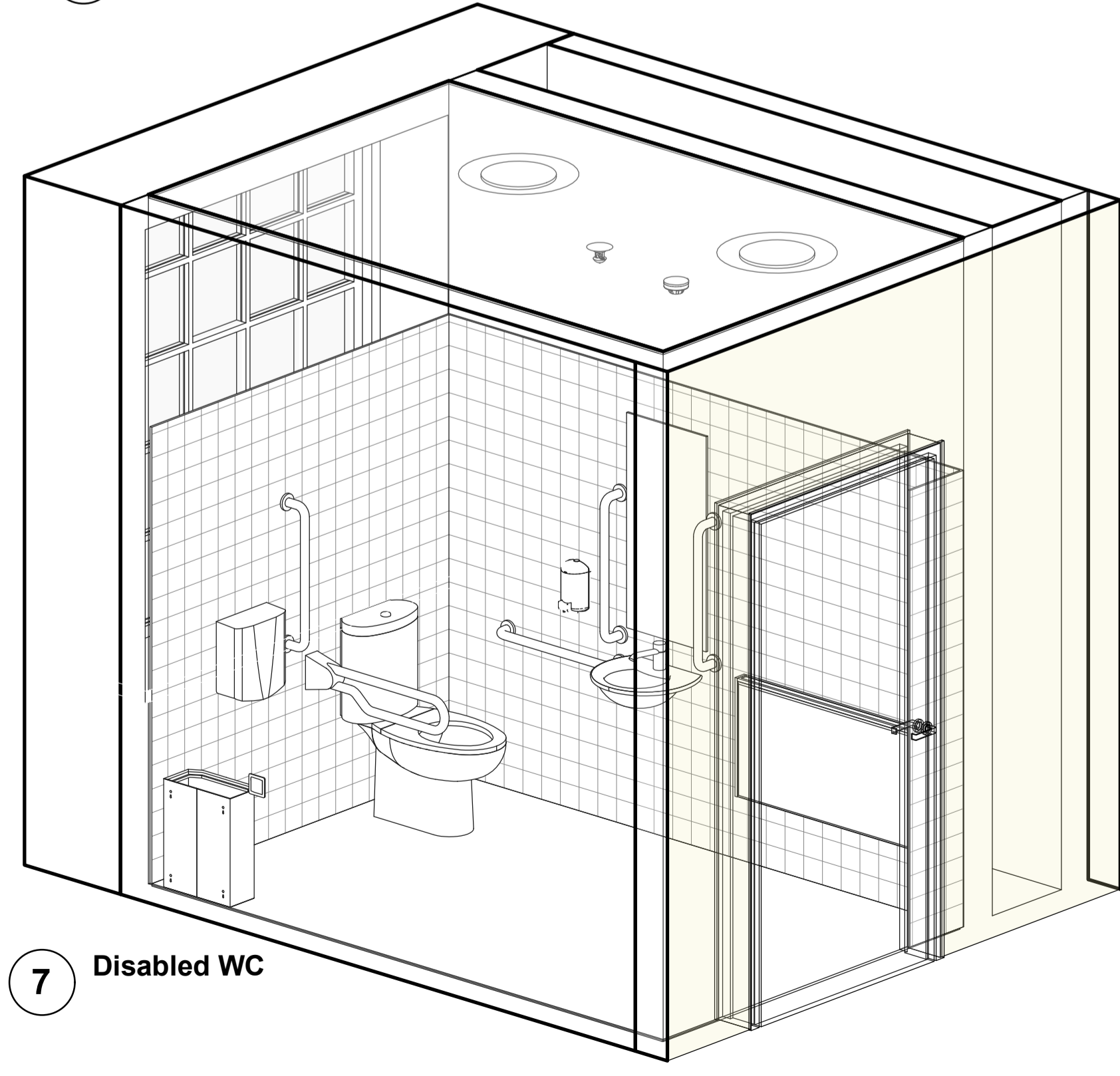
**3 Disabled WC Elevation 3**  
1 : 20



**5 Disabled WC**  
1 : 20



**6 Disabled WC**  
1 : 20



**7 Disabled WC**

- NOTES:**
- WC Indicates Existing Porcelain WC
  - U Indicates Existing Wall Hung Arrintage Sharks Urinal
  - FL Indicates Existing Stainless Steel Dual Flush
  - WHB Indicates Existing Arrintage Sharks Wash Hand Basin
  - T Indicates Existing Arrintage Sharks Cold and Hot Water Press Taps
  - TD Indicates Existing Arrintage Sharks Cold and Hot Water Tap
  - SD Indicates Existing Kimberly Clark Soap Dispenser
  - TP Indicates Existing Kimberly Clark Toilet Paper Dispenser
  - SB Indicates Existing PHS Sanitary Bin
  - HD Indicates Existing Robous Hand Dryer
  - DA Indicates Existing Disabled Assistance Button
  - M Indicates Existing Wall Hung Mirror
  - R Indicates Existing Radiator
  - GR Indicates Existing Grab Rail
  - CL Indicates Existing Ceiling Light
  - FD Indicates Existing Fire Detector
  - EL Indicates Existing Emergency Light
  - MS Indicates Existing Sensor
  - S Indicates Existing Sprinkler

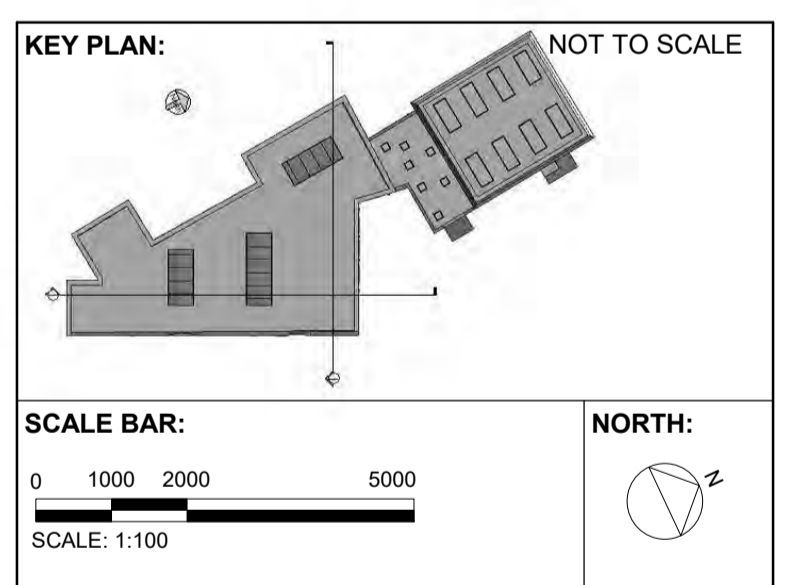
**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole

TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

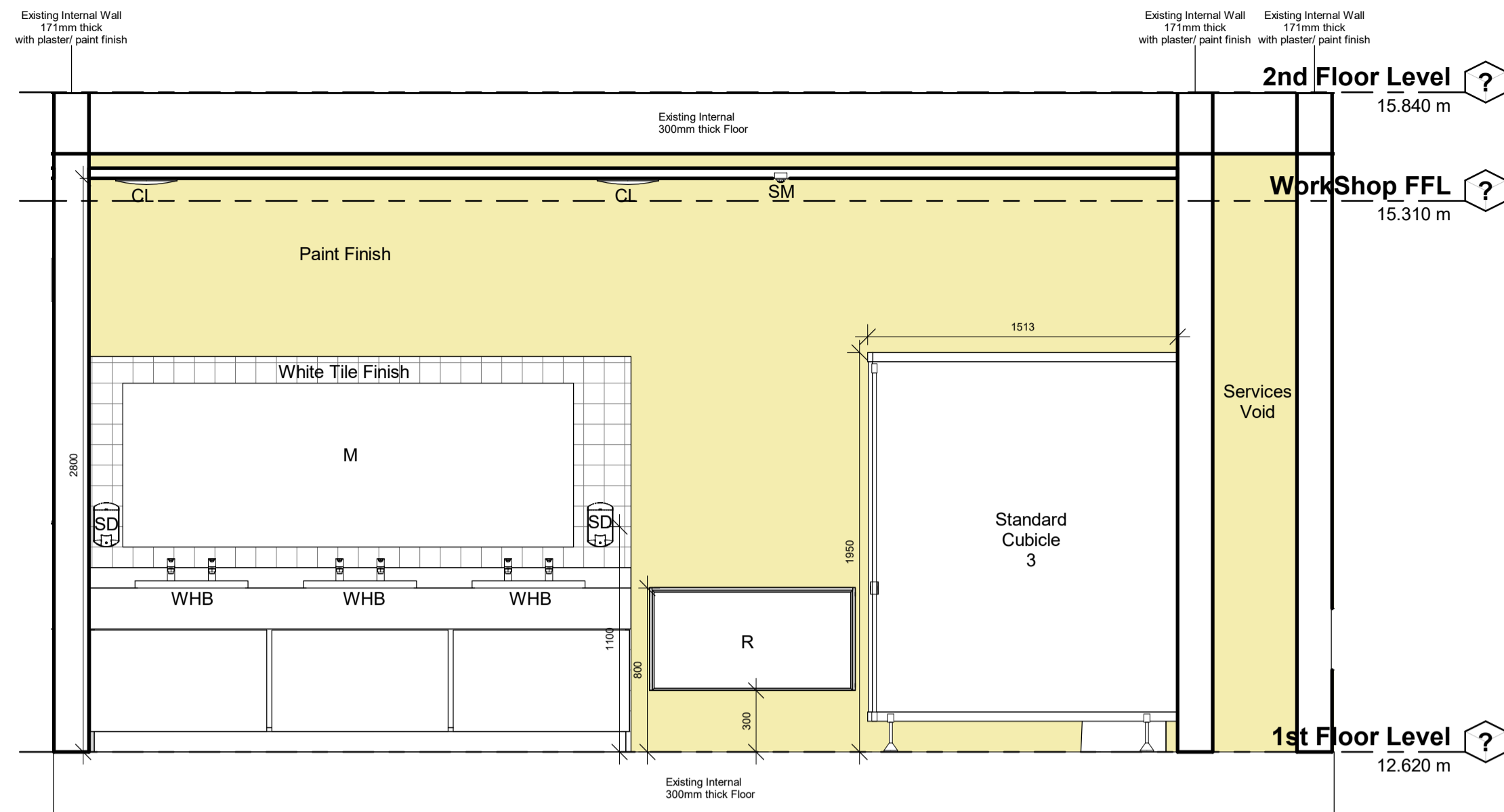
**CLIENT:**  
David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin

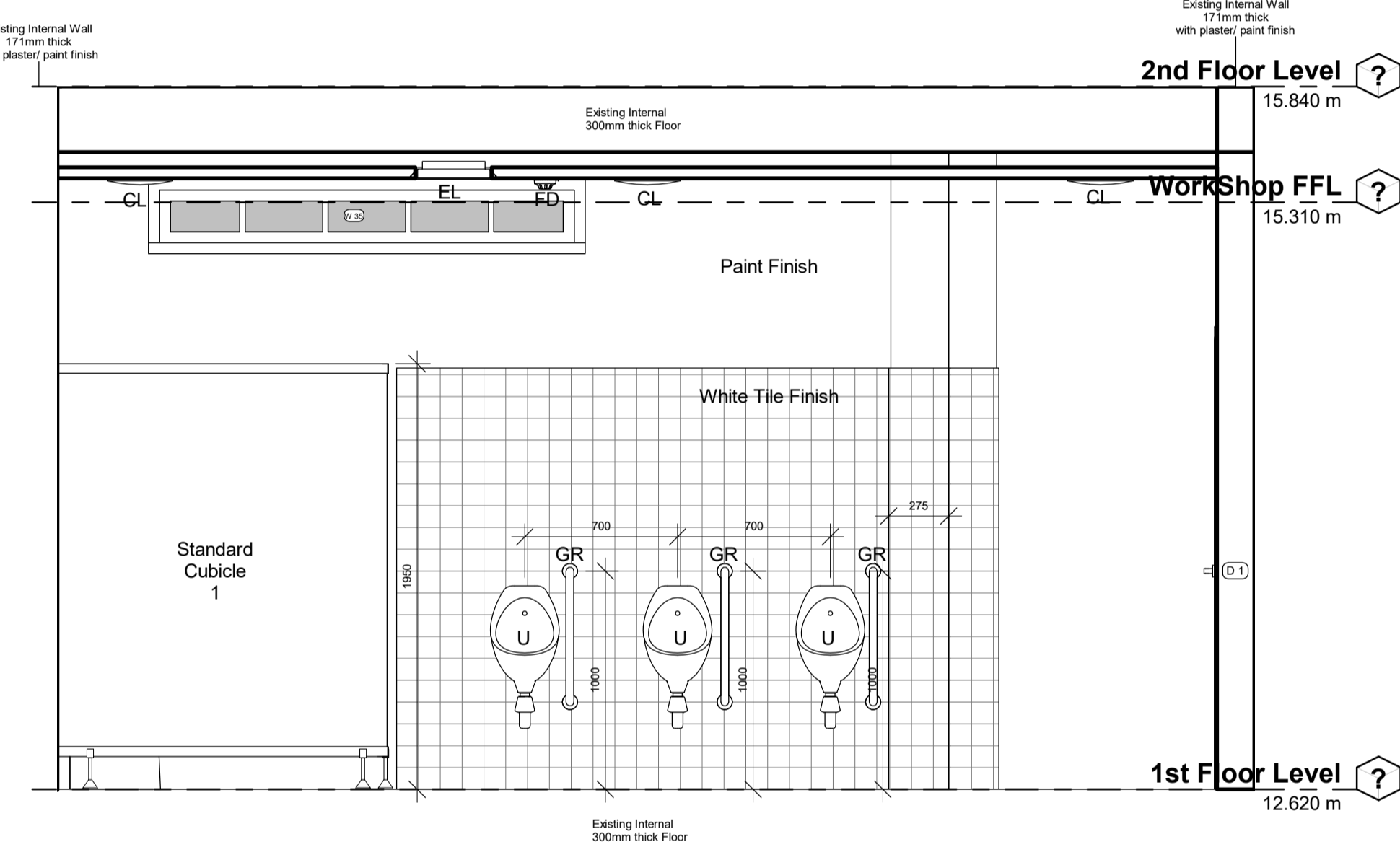


ST	REV	DESCRIPTION	DATE

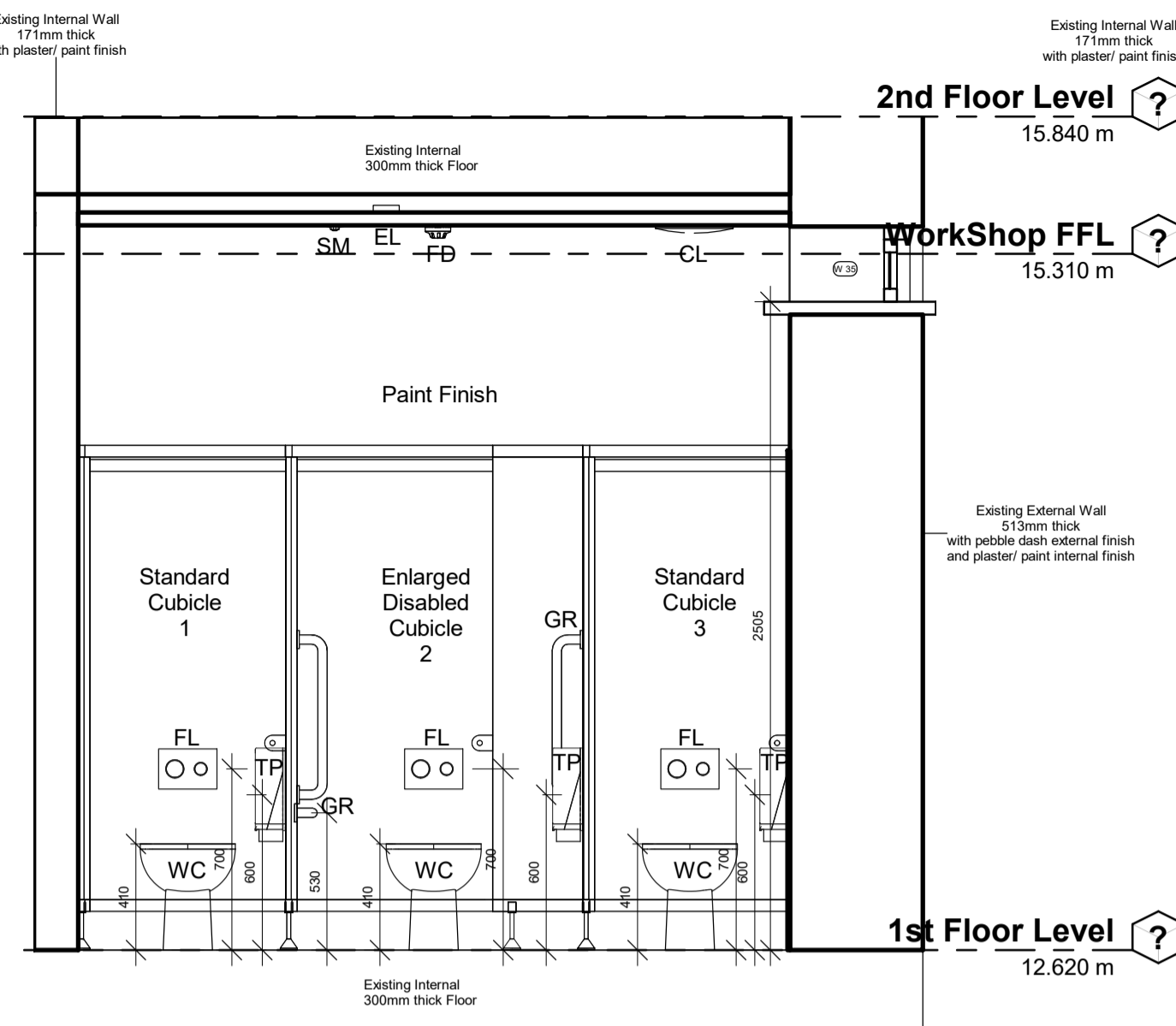
<b>SCALE AT A1:</b> As indicated		<b>CHK:</b> David	<b>APP:</b> David
		<b>DES:</b> Team 6	<b>DRW:</b> Team 6
<b>DRAWING SERIES:</b> Existing Survey -		<b>SHEET NUMBER</b> A114	
<b>DRAWING TITLE:</b> Sample WC - Disabled			
<b>DRAWING NUMBER:</b> Project Originator Volume Level Type Role - Number			
TDS 2 - T06 - ZZ - ZZ - MOD - A114			
<b>STATUS:</b>			<b>REV:</b>



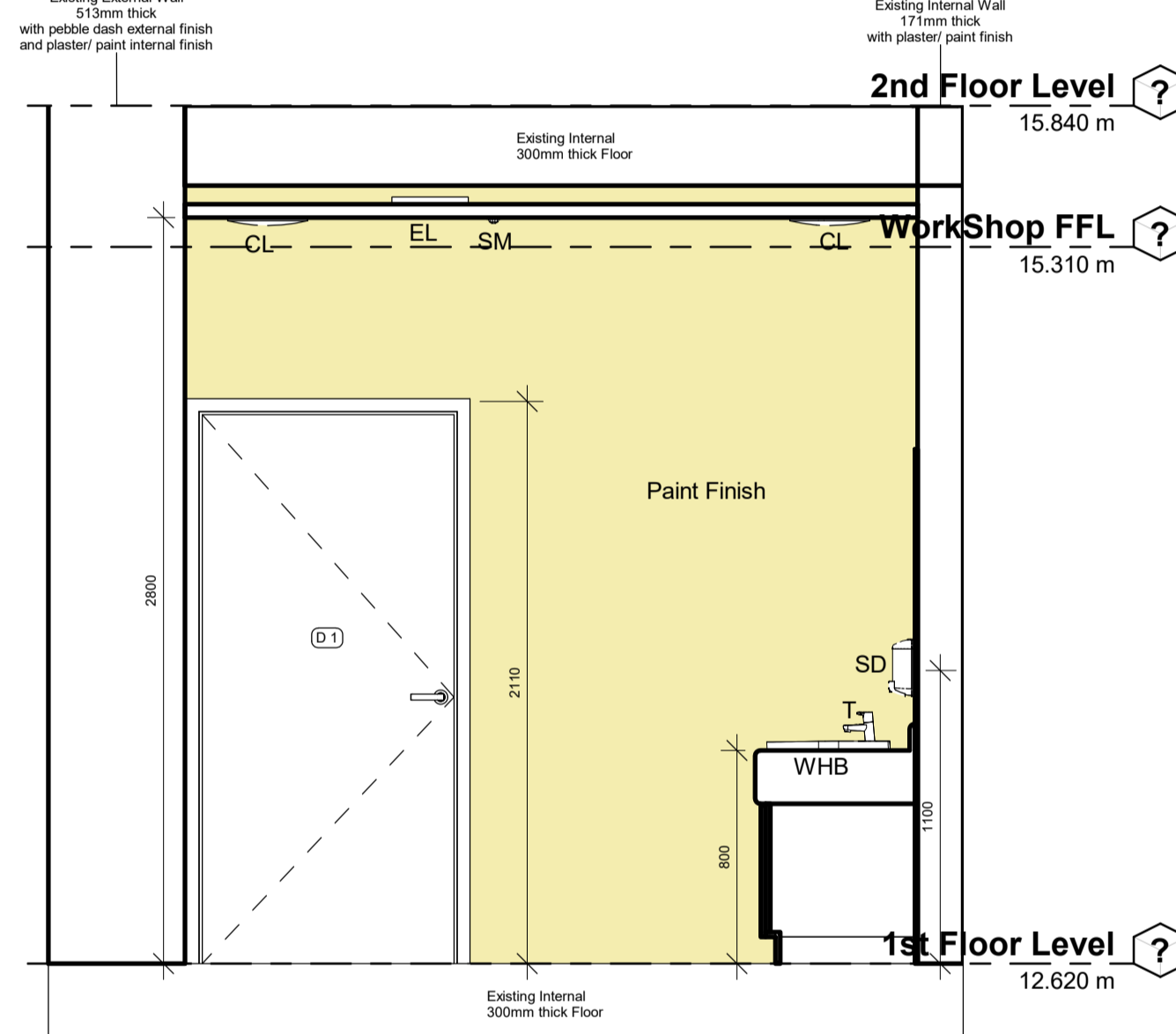
1 Male WC Elevation 1  
1 : 25



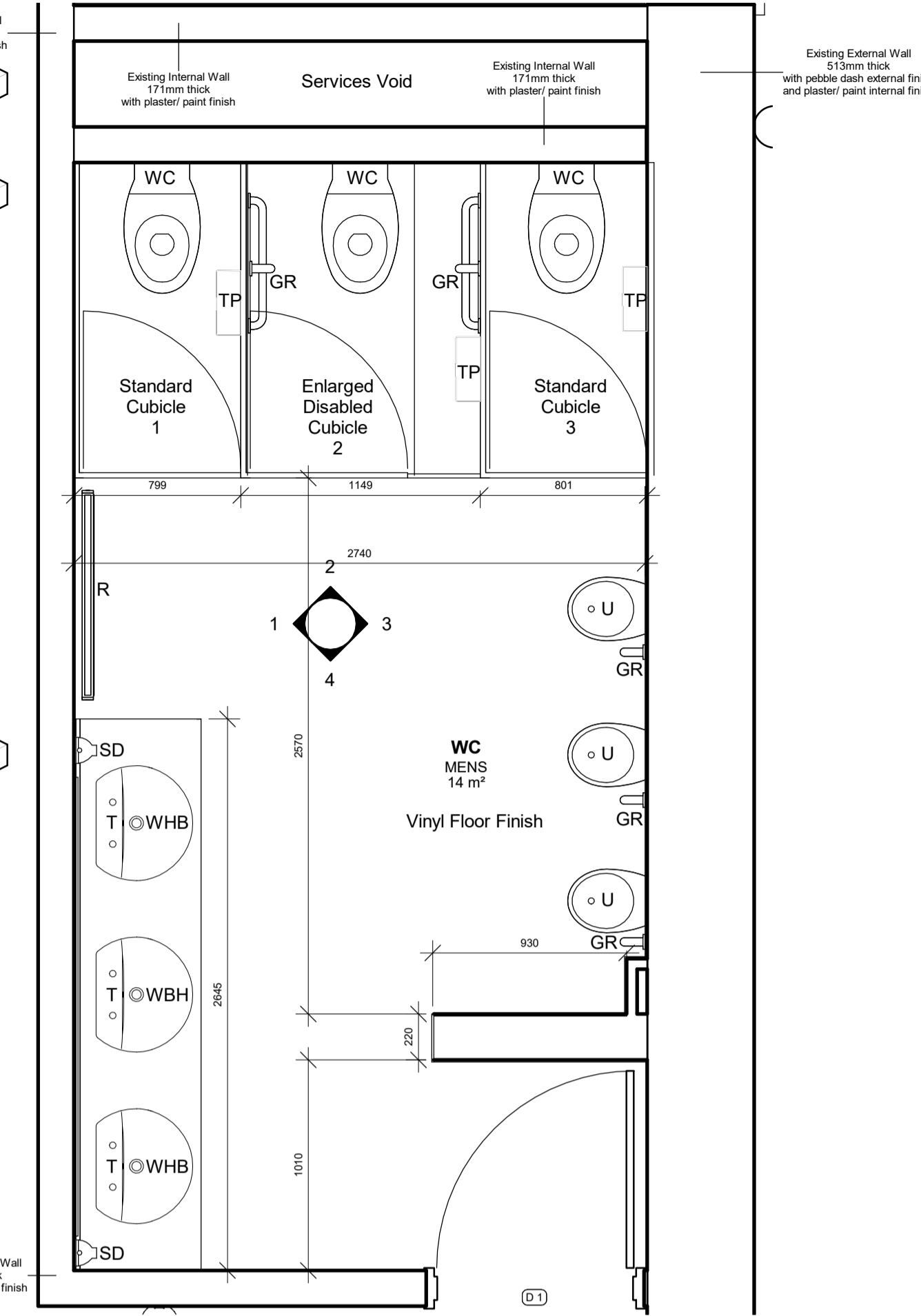
3 Male WC Elevation 3  
1 : 25



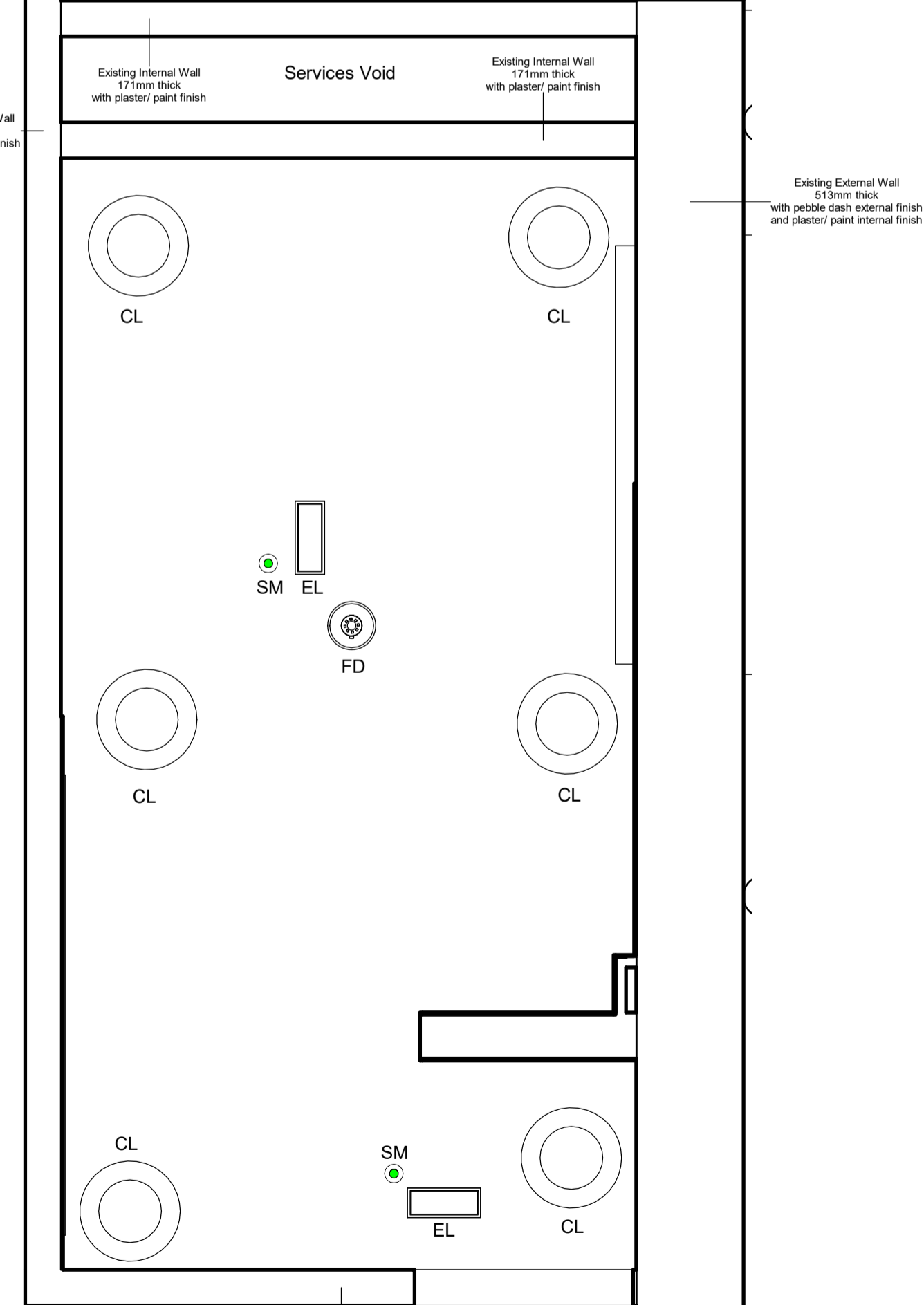
2 Male WC Elevation 2  
1 : 25



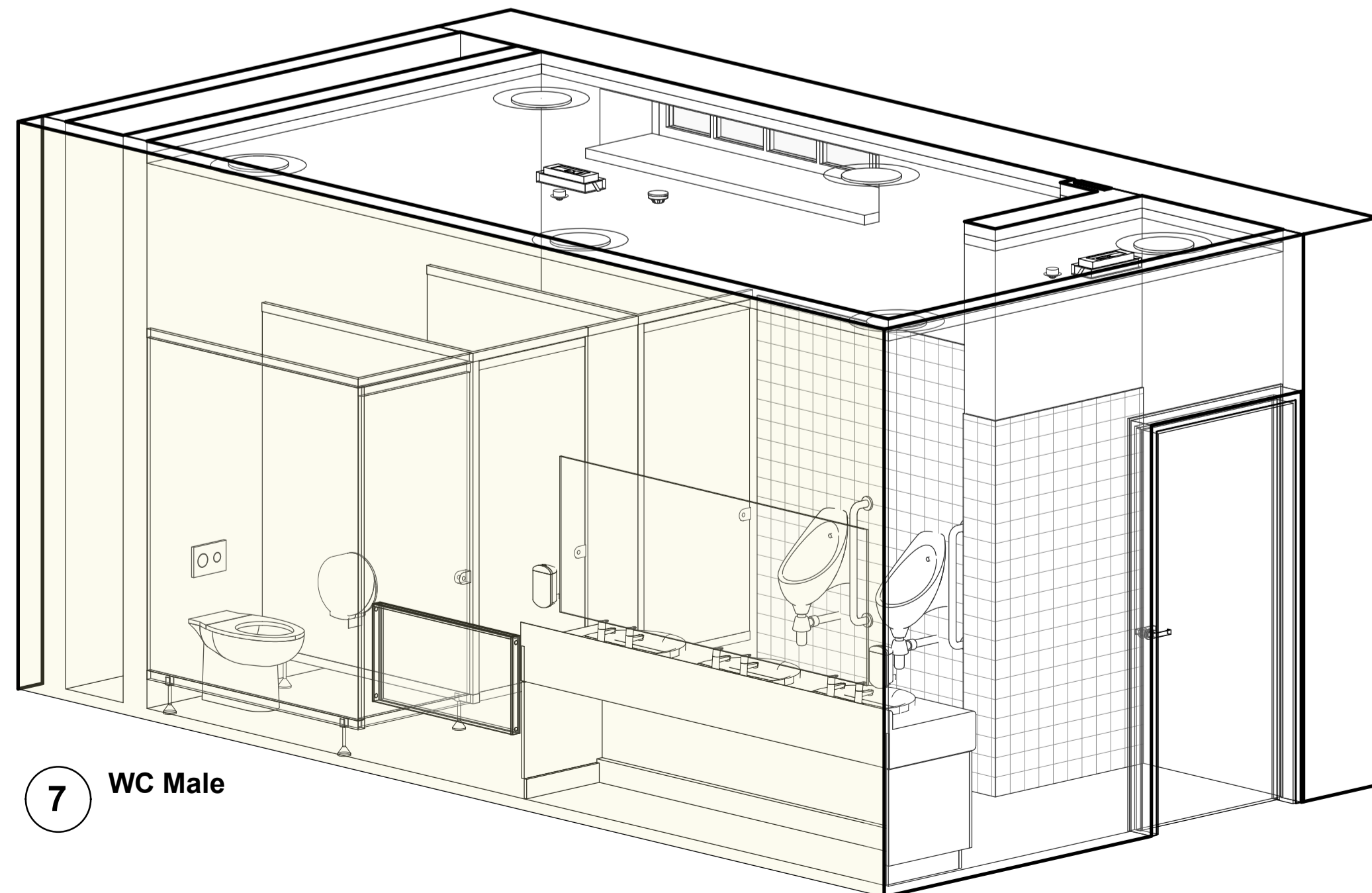
4 Male WC Elevation 4  
1 : 25



5 Male WC Floor Plan  
1 : 25



6 Male WC  
1 : 25



7 WC Male

NOTES:

PROJECT:  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

ARCHITECT:

Liam Deguara, Jamie Leonard,  
Sinead Kielty, Karolina Potocka,  
Kevin O'Toole

TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

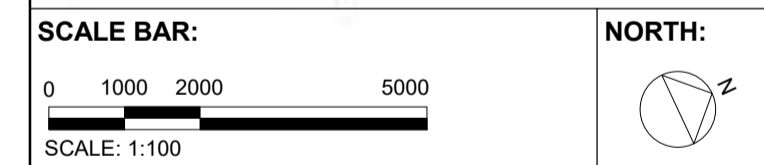
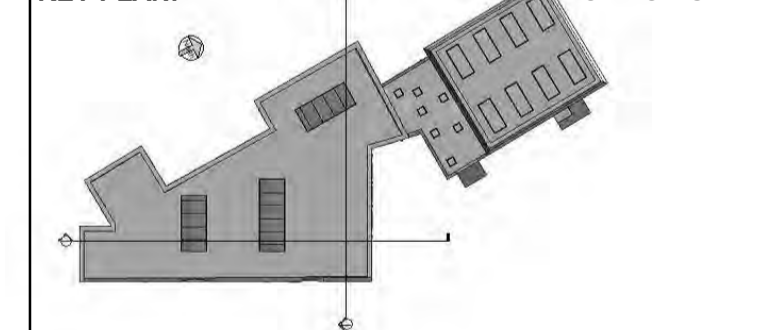
CLIENT:

David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin



KEY PLAN:



ST	REV	DESCRIPTION	DATE

SCALE AT A1: 1 : 25	CHK: David DES: Team 6	APP: David DRW: Team 6
------------------------	---------------------------	---------------------------

DRAWING SERIES: Existing Survey -	SHEET NUMBER A115
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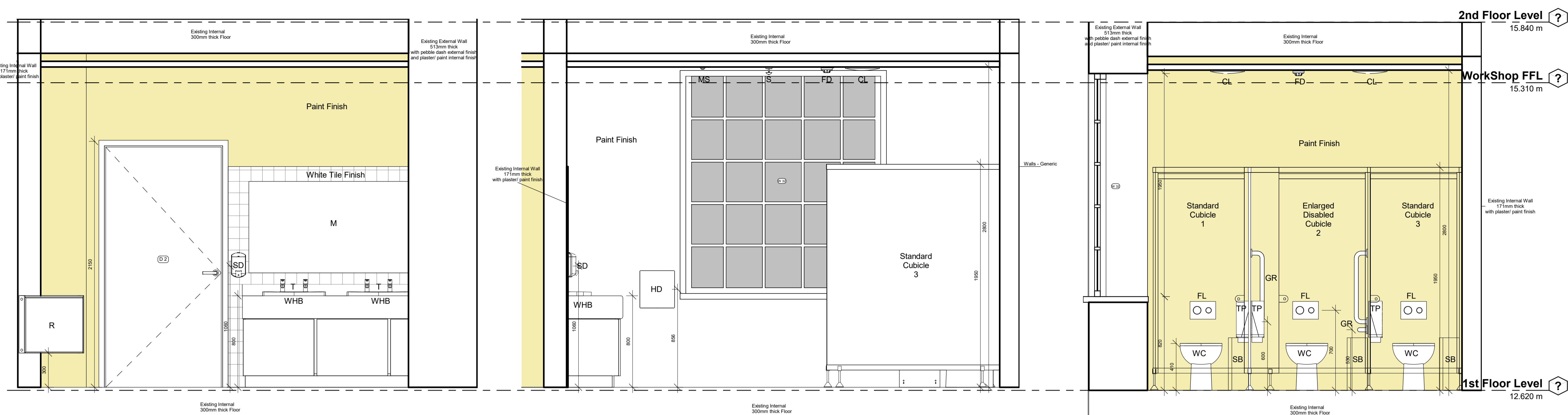
DRAWING TITLE:  
Sample WC - Male

DRAWING NUMBER: (Revit Sheet Number)

Project Originator Volume Level Type Role - Number

TDS 2: T06 · ZZ · ZZ · MOD A115

STATUS: REV:

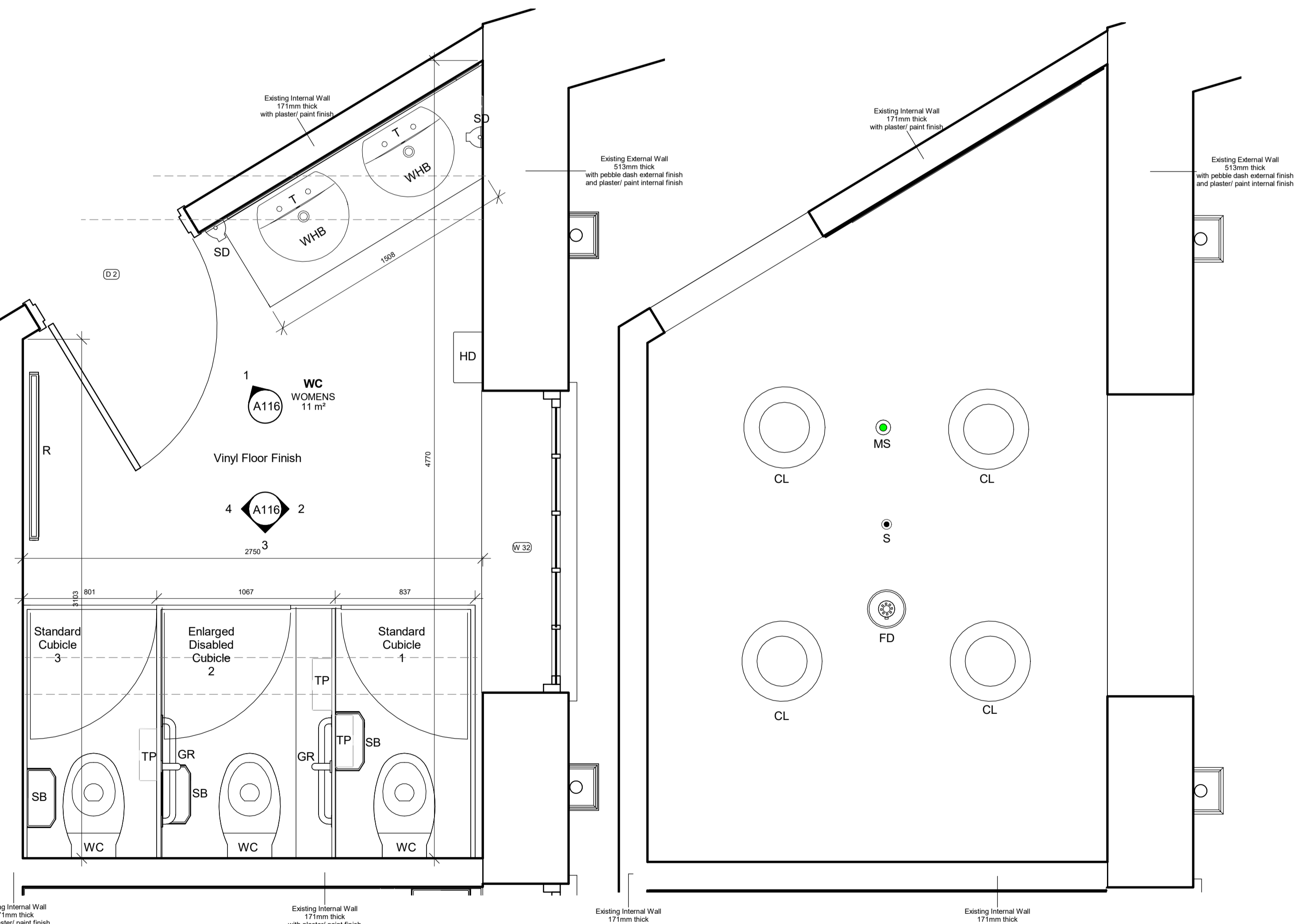


**1 Female WC Elevation 1**  
1 : 20

**2 Female WC Elevation 2**  
1 : 20

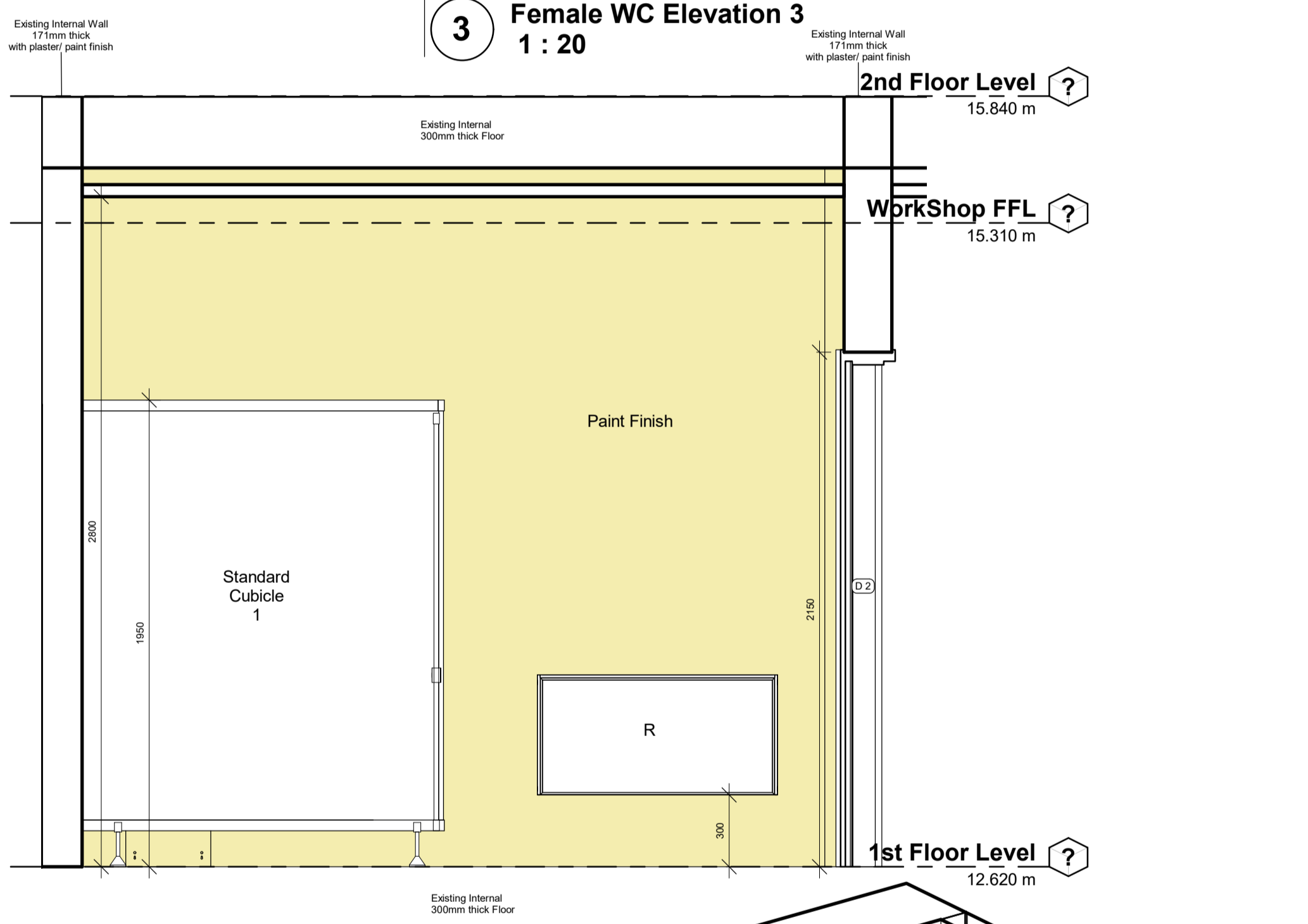
**3 Female WC Elevation 3**  
1 : 20

- NOTES:**
- WC Indicates Existing Porcelain WC
  - U Indicates Existing Wall Hung Arrintage Sharks Urinal
  - FL Indicates Existing Stainless Steel Dual Flush
  - WHB Indicates Existing Arrintage Sharks Wash Hand Basin
  - T Indicates Existing Arrintage Sharks Cold and Hot Water Press Taps
  - TD Indicates Existing Arrintage Sharks Cold and Hot Water Tap
  - SD Indicates Existing Kimberly Clark Soap Dispenser
  - TP Indicates Existing Kimberly Clark Toilet Paper Dispenser
  - SB Indicates Existing PHS Sanitary Bin
  - HD Indicates Existing Robous Hand Dryer
  - DA Indicates Existing Disabled Assistance Button
  - M Indicates Existing Wall Hung Mirror
  - R Indicates Existing Radiator
  - GR Indicates Existing Grab Rail
  - CL Indicates Existing Ceiling Light
  - FD Indicates Existing Fire Detector
  - EL Indicates Existing Emergency Light
  - MS Indicates Existing Sensor
  - S Indicates Existing Sprinkler

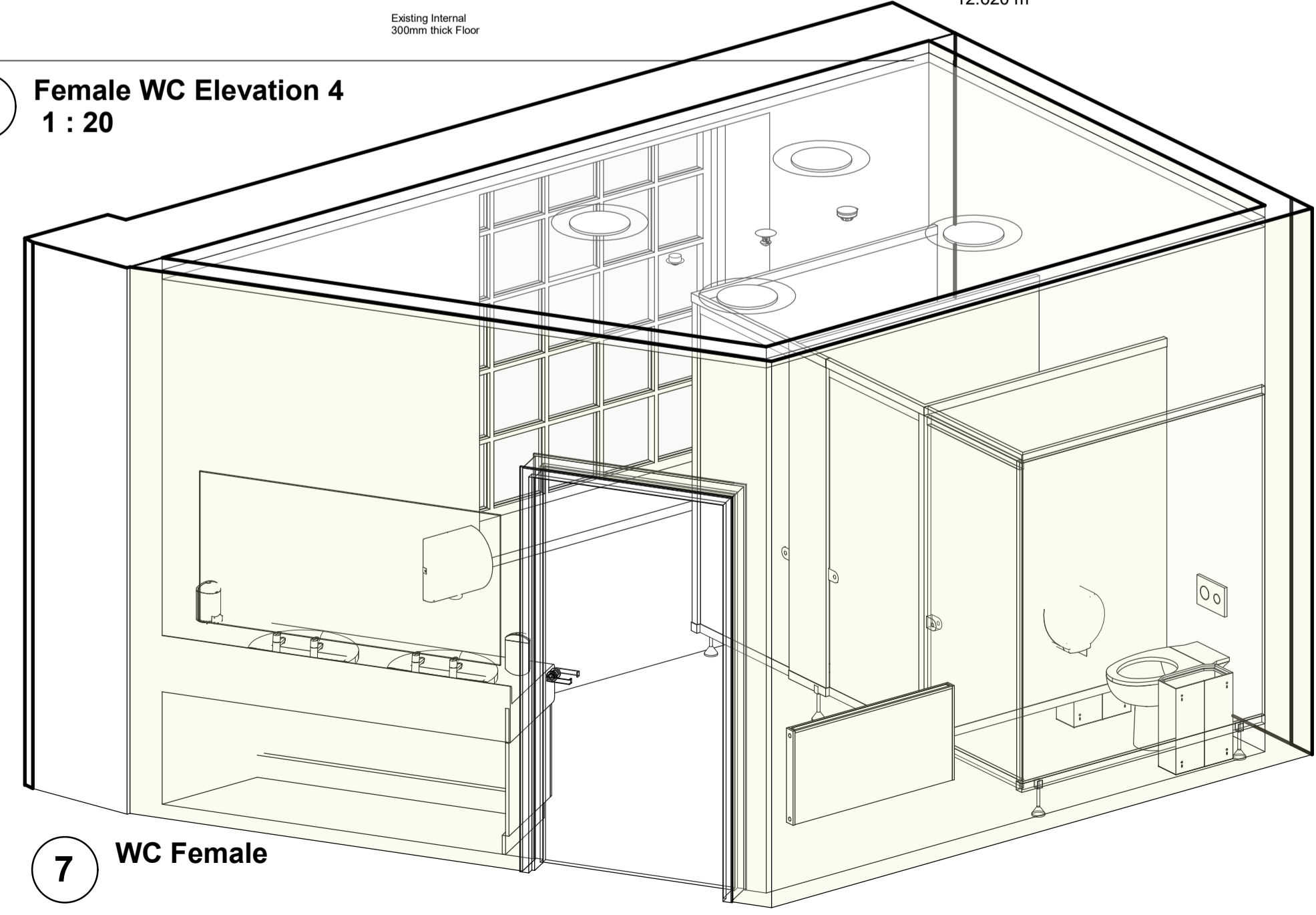


**5 Female WC Floor Plan**  
1 : 20

**6 Female WC**  
1 : 20



**4 Female WC Elevation 4**  
1 : 20



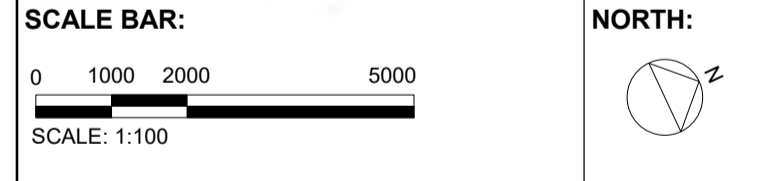
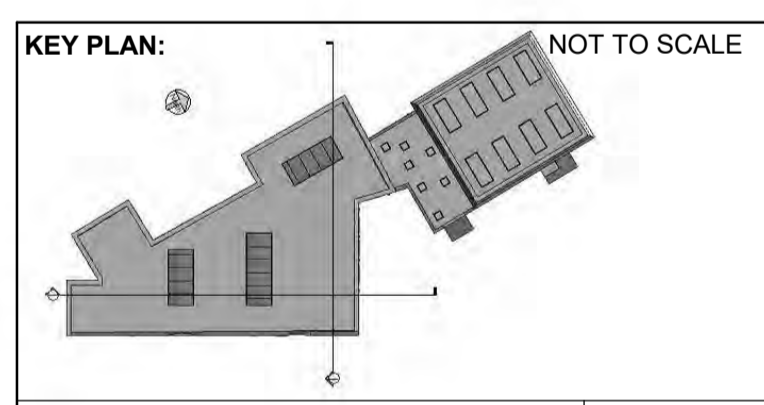
**7 WC Female**

**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
- Collaborative  
TU Dublin Linenhall,  
Henrietta Place,  
Dublin 1

**ARCHITECT:**  
Liam Deguara, Jamie Leonard,  
Sinead Kieilty, Karolina Potocka,  
Kevin O'Toole

**CLIENT:**  
David Knight

TU Dublin  
School of Architecture  
Linhall  
Dublin



ST	REV	DESCRIPTION	DATE

**SCALE AT A1:**  
As indicated

**CHK:** David    **APP:** David  
**DES:** Team 6    **DRW:** Team 6

**DRAWING SERIES:** Existing Survey -    **SHEET NUMBER:** A116

**DRAWING TITLE:**  
Sample WC -Female

**DRAWING NUMBER:** (Revit Sheet Number)

Project Originator Volume Level Type Role - Number

TDS 2 - T06 - ZZ - ZZ - MOD - A116

**STATUS:**    **REV:**

Window Type 1			
		FRAME	Georgian Style Window
		FRAME MATERIAL	20mm Timber Frame with white paint finish
		GLAZED AREA	18.5m <sup>2</sup>
		ADDITIONAL INFORMATION (IF REQUIRED)	
Window No.	Level	Description	Type

41	2nd Floor Level	Window - Slide from right, 1200 x 1200mm	Window type 1 1840 X 1860mm
42	1st Floor Level	Window - Slide from right, 1200 x 1200mm	Window type 1 1840 X 1860mm

Total Count: 2

Window Type 3			
		FRAME	Georgian Style Ventilation Window
		FRAME MATERIAL	20mm Timber Frame with white paint finish
		GLAZED AREA	3m <sup>2</sup>
		ADDITIONAL INFORMATION (IF REQUIRED)	
Window No.	Level	Description	Type

35	1st Floor Level		Window Type 3 340 x 1815
37	2nd Floor Level		Window Type 3 340 x 1815
38	2nd Floor Level		Window Type 3 340 x 1815

Total Count: 3

Window Type 5			
		FRAME	Georgian Style Window
		FRAME MATERIAL	20mm Timber Frame with...
		GLAZED AREA	0.4m <sup>2</sup>
		ADDITIONAL INFORMATION (IF REQUIRED)	
Window No.	Level	Description	Type

97	2nd Floor Level	Window - Centre Glazed	Window type 5 900 x 725mm
----	-----------------	------------------------	---------------------------

Total Count: 1

Window Type 2			
		FRAME	Georgian Style Window
		FRAME MATERIAL	20mm Timber Frame with white paint finish
		GLAZED AREA	18.5m <sup>2</sup>
		ADDITIONAL INFORMATION (IF REQUIRED)	

Window No.	Level	Description	Type
9	2nd Floor Level		Window Type 2 1805 x 1625
10	2nd Floor Level		Window Type 2 1805 x 1625
11	2nd Floor Level		Window Type 2 1805 x 1625
12	2nd Floor Level		Window Type 2 1805 x 1625
13	2nd Floor Level		Window Type 2 1805 x 1625
14	2nd Floor Level		Window Type 2 1805 x 1625
15	2nd Floor Level		Window Type 2 1805 x 1625
17	2nd Floor Level		Window Type 2 1805 x 1625
19	2nd Floor Level		Window Type 2 1805 x 1625
21	2nd Floor Level		Window Type 2 1805 x 1625
39	2nd Floor Level		Window Type 2 1805 x 1625
40	2nd Floor Level		Window Type 2 1805 x 1625

Total Count: 12

Window Type 4			
		FRAME	Georgian Style safety glass Window
		FRAME MATERIAL	20mm Timber Frame with white paint finish
		GLAZED AREA	0.4m <sup>2</sup>
		ADDITIONAL INFORMATION (IF REQUIRED)	
Window No.	Level	Description	Type

89	2nd Floor Level	Window - Centre Glazed	Window type 4 900 x 720mm
90	2nd Floor Level	Window - Centre Glazed	Window type 4 900 x 720mm
91	2nd Floor Level	Window - Centre Glazed	Window type 4 900 x 720mm
94	2nd Floor Level	Window - Centre Glazed	Window type 4 900 x 720mm
95	2nd Floor Level	Window - Centre Glazed	Window type 4 900 x 720mm
96	2nd Floor Level	Window - Centre Glazed	Window type 4 900 x 720mm

Total Count: 6

Window Type 6			
		FRAME	Square rooflight with...
		FRAME MATERIAL	20mm Timber Frame with...
		GLAZED AREA	0.73m <sup>2</sup>
		ADDITIONAL INFORMATION (IF REQUIRED)	
Window No.	Level	Description	Type

135	1st Floor Level	Window - Fixed, 1200 x 1200mm	Window type 6 860 x 860
136	1st Floor Level	Window - Fixed, 1200 x 1200mm	Window type 6 860 x 860
137	1st Floor Level	Window - Fixed, 1200 x 1200mm	Window type 6 860 x 860
138	1st Floor Level	Window - Fixed, 1200 x 1200mm	Window type 6 860 x 860
139	1st Floor Level	Window - Fixed, 1200 x 1200mm	Window type 6 860 x 860
140	1st Floor Level	Window - Fixed, 1200 x 1200mm	Window type 6 860 x 860
141	1st Floor Level	Window - Fixed, 1200 x 1200mm	Window type 6 860 x 860

Total Count: 7

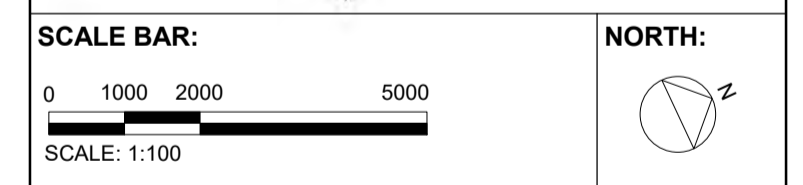
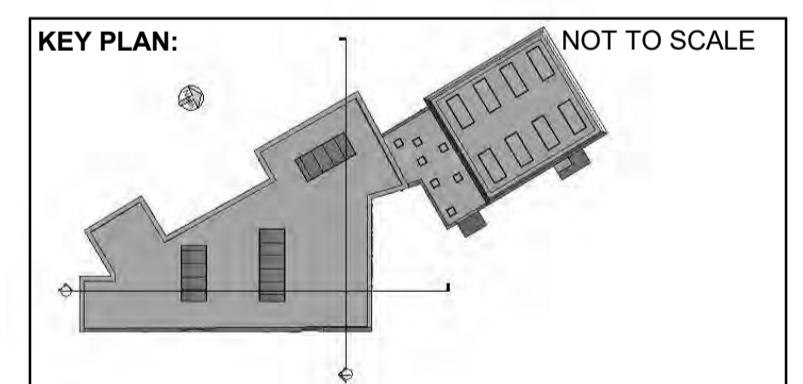
**NOTES:**

**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
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**CLIENT:**  
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ST	REV	DESCRIPTION	DATE

SCALE AT A1: 1 : 25  
CHK: David APP: David  
DES: Team 6 DRW: Team 6

DRAWING SERIES: Existing Survey -  
SHEET NUMBER: A117

DRAWING TITLE: WINDOW SCHEDULE

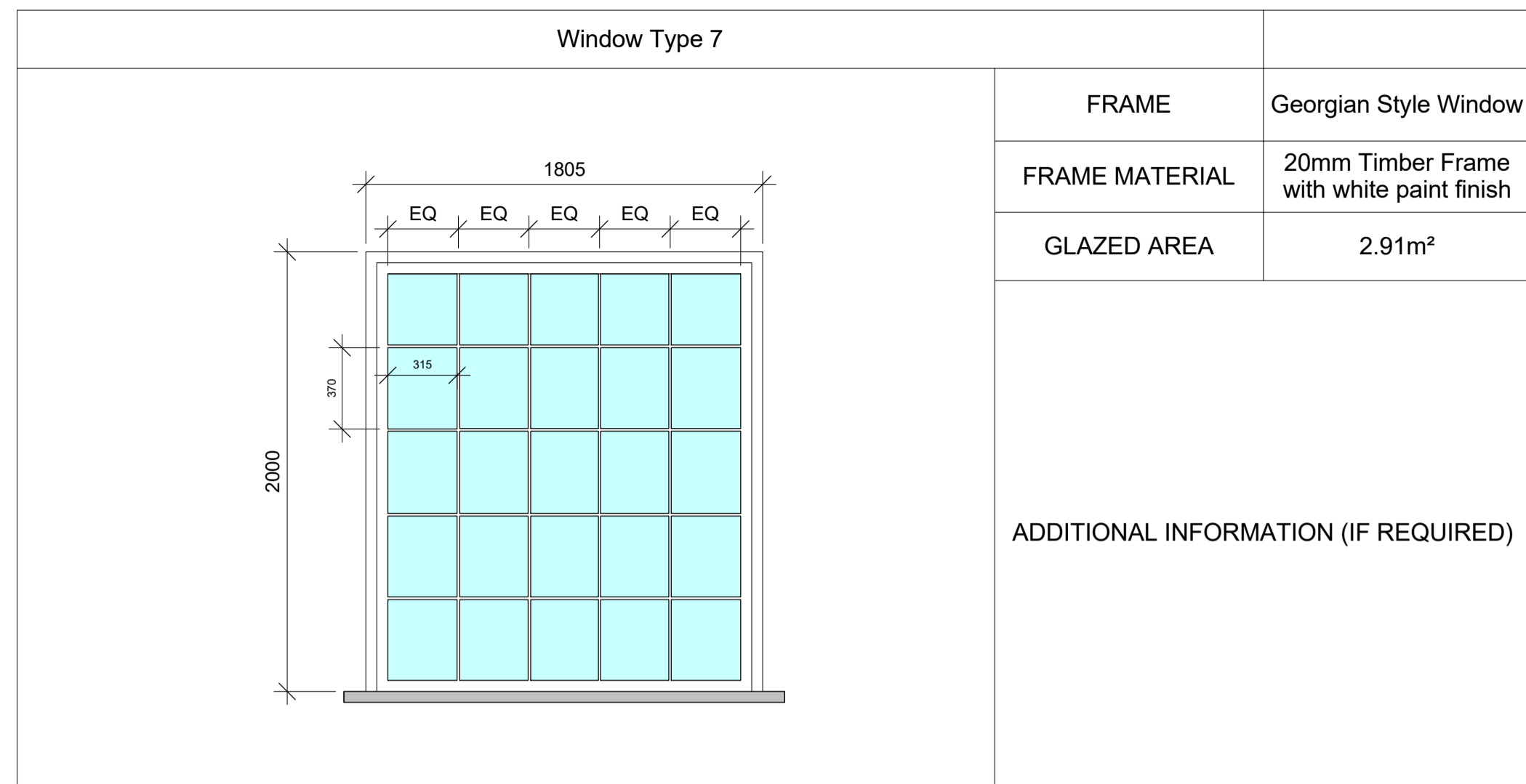
DRAWING NUMBER: (Revit Sheet Number)

Project Originator Volume Level Type Role - Number

TDS 2 · T06 · ZZ · ZZ · SHD · A117

STATUS: REV:

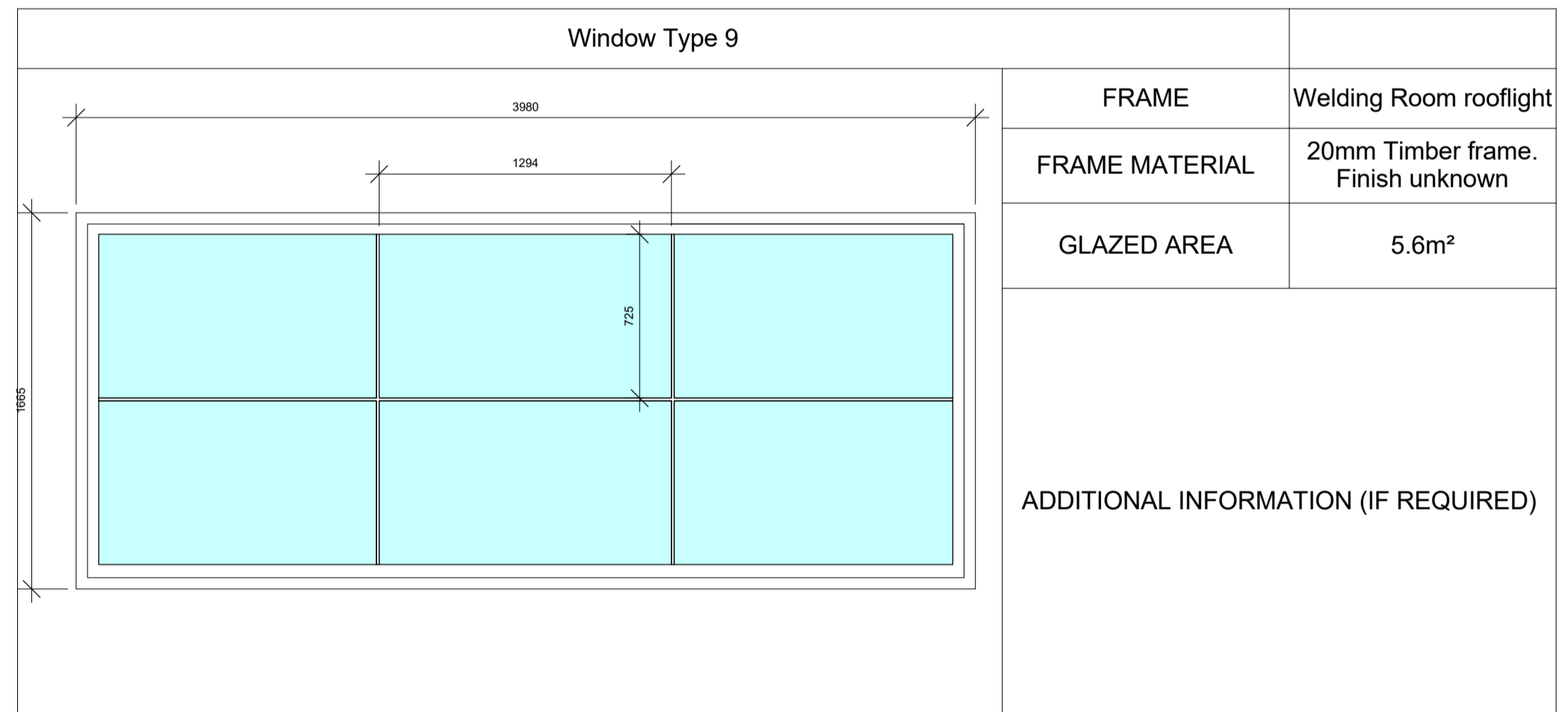




Window No.	Level	Description	Type
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22	1st Floor Level		Window Type 7 1805 x 2000
23	1st Floor Level		Window Type 7 1805 x 2000
24	1st Floor Level		Window Type 7 1805 x 2000
25	1st Floor Level		Window Type 7 1805 x 2000
26	1st Floor Level		Window Type 7 1805 x 2000
27	1st Floor Level		Window Type 7 1805 x 2000
28	1st Floor Level		Window Type 7 1805 x 2000
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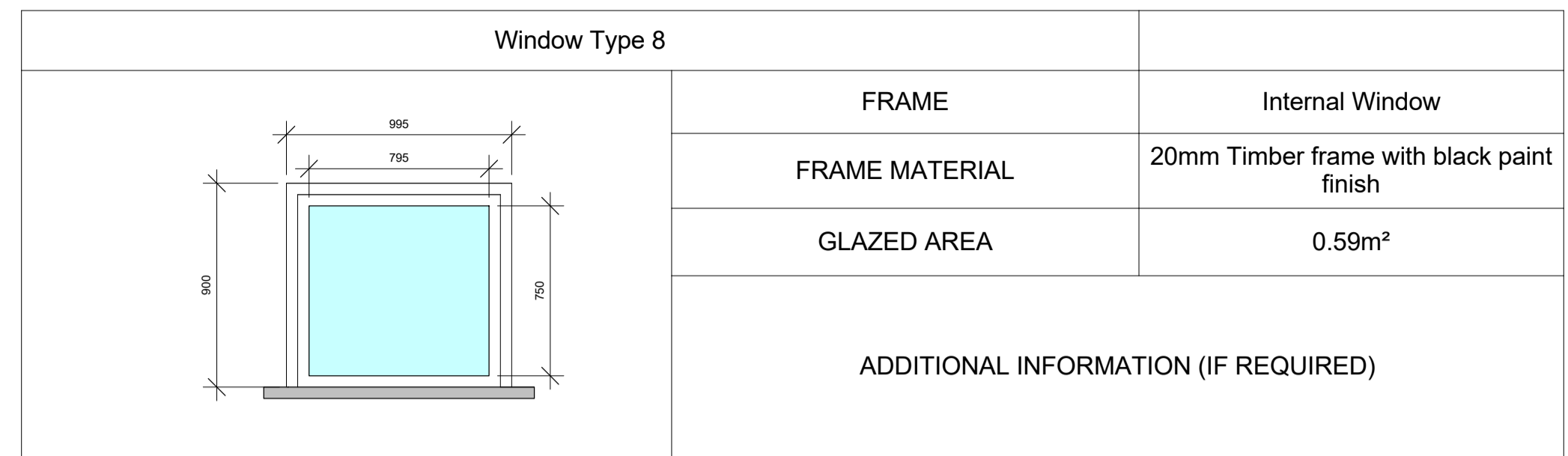
Total Count: 10



Window No.	Level	Description	Type
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127	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665
128	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665
129	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665
130	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665
131	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665
132	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665
133	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665
134	Top of Roof	Window - Fixed, 1200 x 1200mm	Window Type 9 3980 x 1665

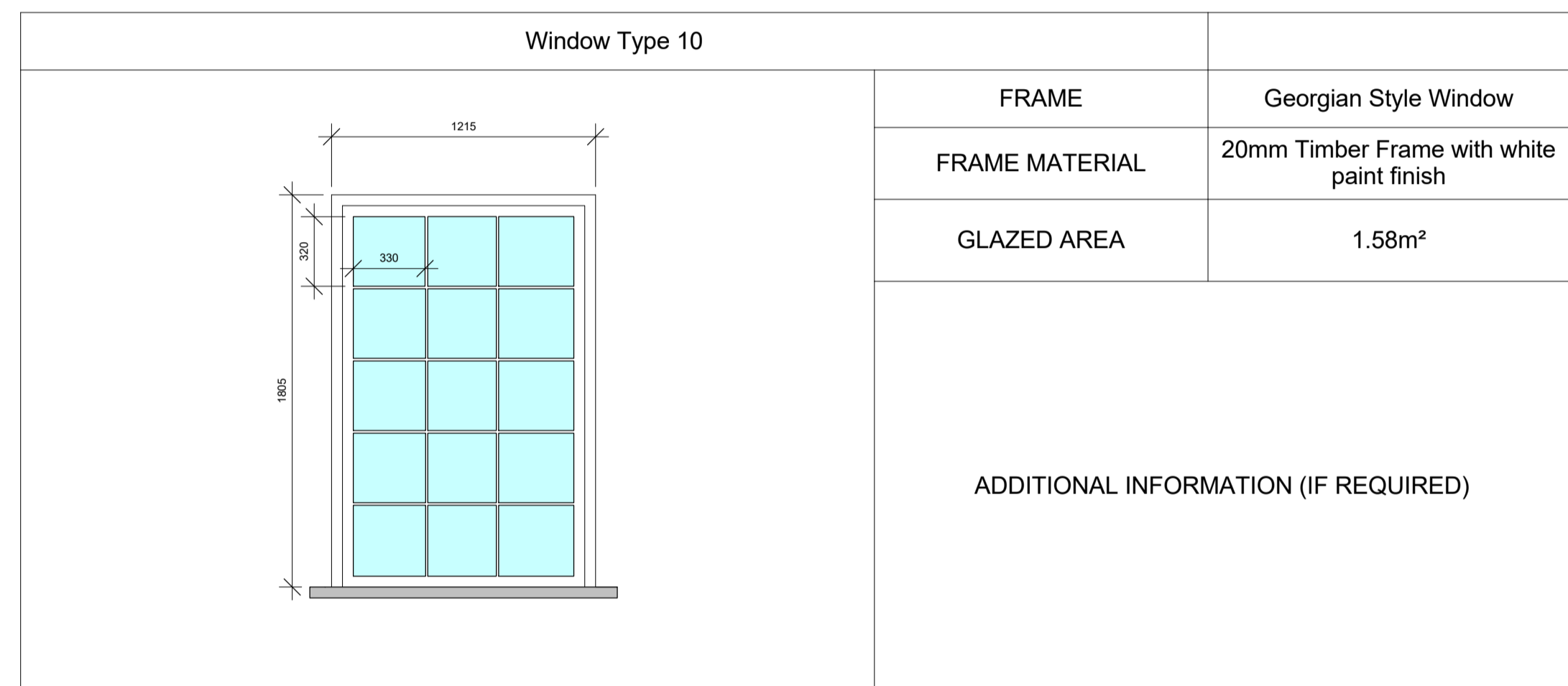
Total Count: 8



Window No.	Level	Description	Type
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79	1st Floor Level	Window - Centre Glazed	Window type 8 995 x 900mm
80	1st Floor Level	Window - Centre Glazed	Window type 8 995 x 900mm
81	1st Floor Level	Window - Centre Glazed	Window type 8 995 x 900mm
82	1st Floor Level	Window - Centre Glazed	Window type 8 995 x 900mm
83	1st Floor Level	Window - Centre Glazed	Window type 8 995 x 900mm
85	1st Floor Level	Window - Centre Glazed	Window type 8 995 x 900mm
87	1st Floor Level	Window - Centre Glazed	Window type 8 995 x 900mm

Total Count: 7



Window No.	Level	Description	Type
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44	1st Floor Level	Window - Awning, 600 x 1200mm	W.Window type 10 1805 x 1215mm
----	-----------------	-------------------------------	--------------------------------

Total Count: 1

NOTES:

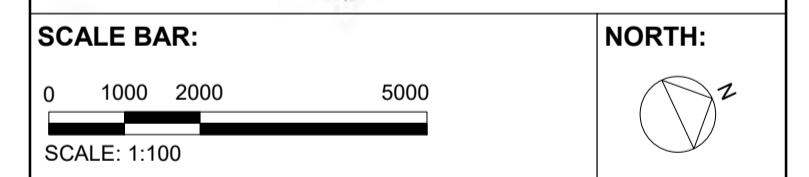
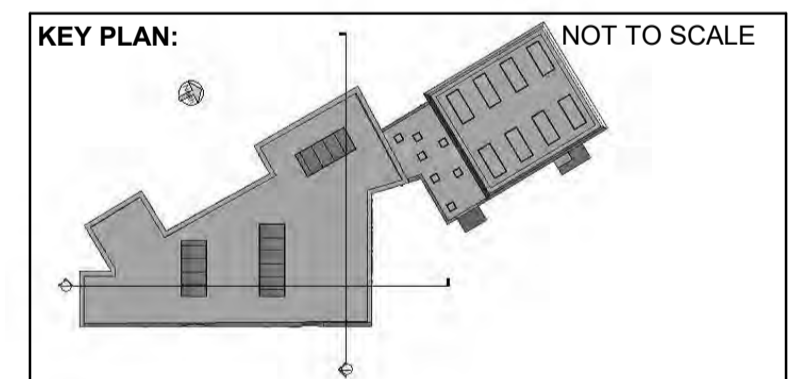
**PROJECT:**  
TDS 2:  
TDS TECH4100 Assessment 1  
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**ARCHITECT:**  
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ST	REV	DESCRIPTION	DATE

SCALE AT A1:  
1 : 25  
CHK: David APP: David  
DES: Team 6 DRW: Team 6

DRAWING SERIES: Existing Survey - SHEET NUMBER A118

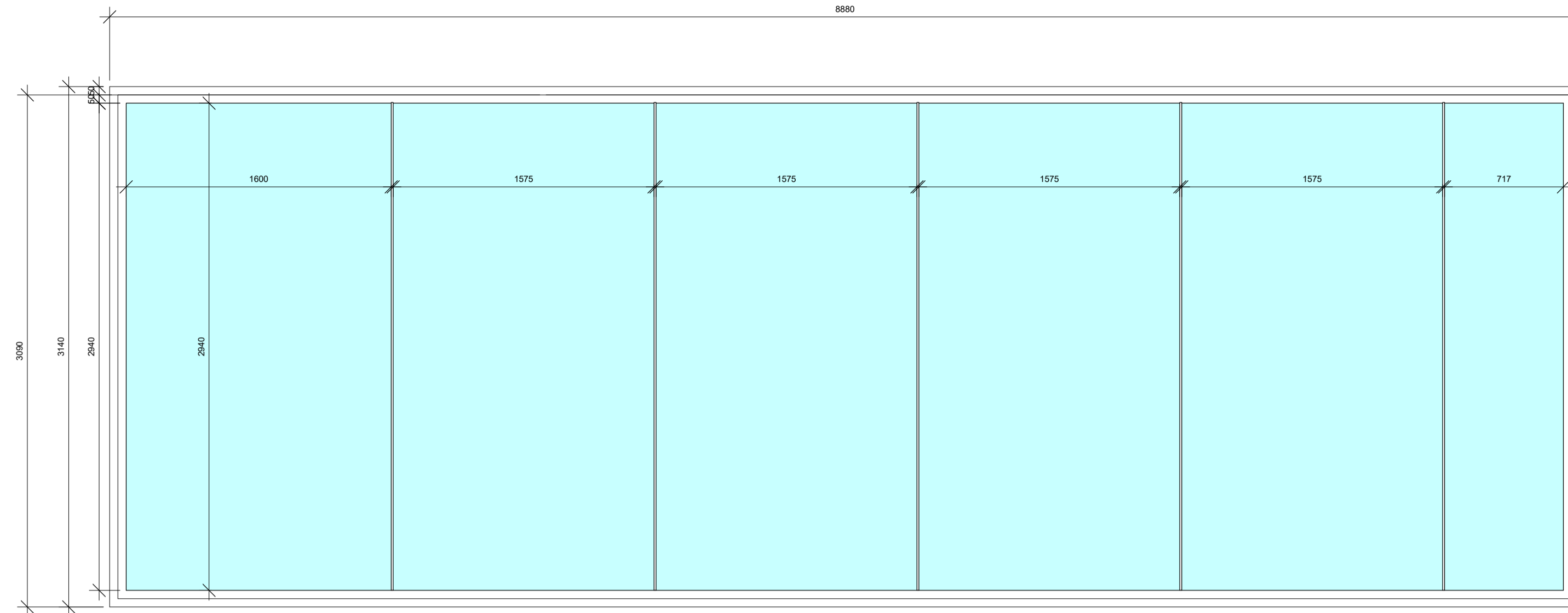
DRAWING TITLE:  
WINDOW SCHEDULE 2

DRAWING NUMBER: (Revit Sheet Number)  
Project Originator Volume Level Type Role - Number

TDS 2 · T06 · ZZ · ZZ · SHD · A118

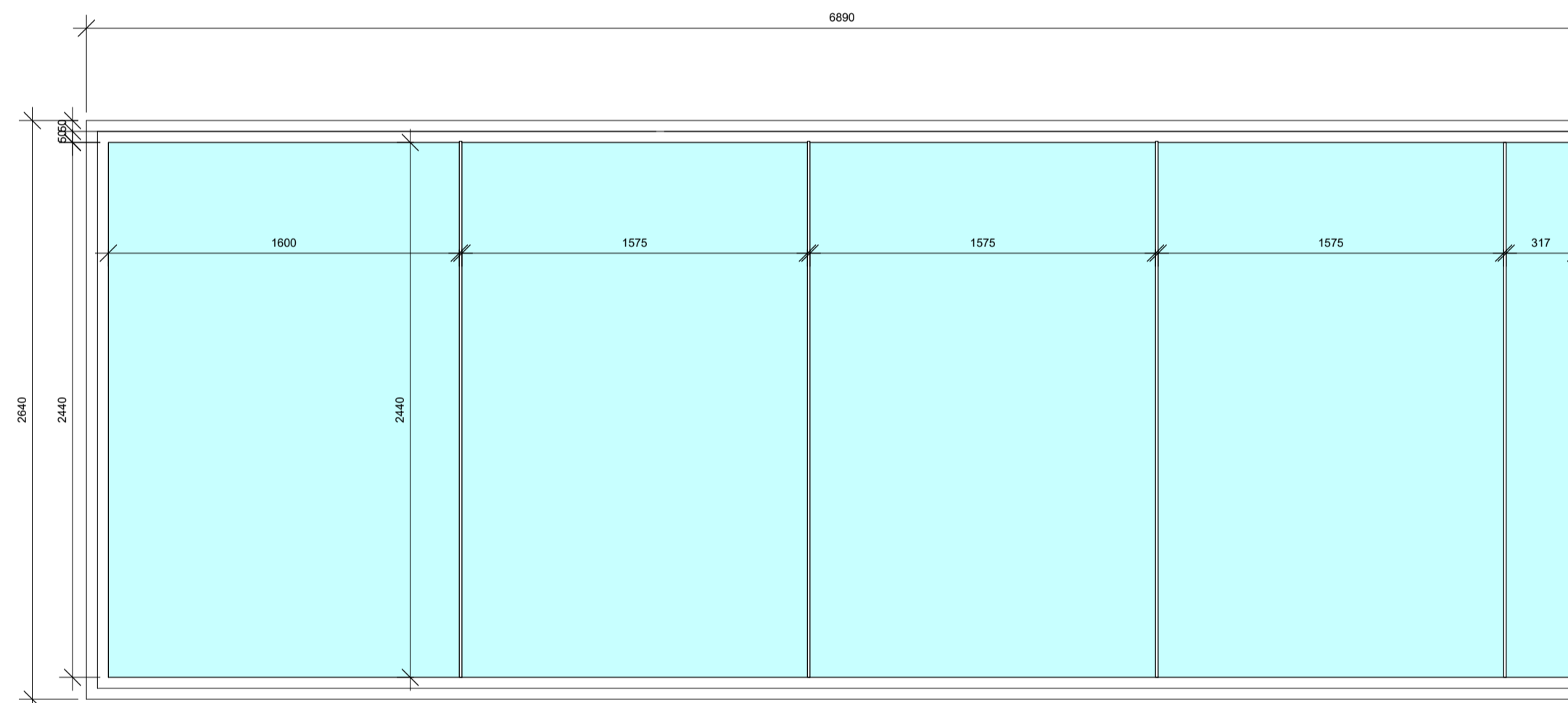
STATUS: REV:

Window Type 11			
SEE WINDOW TYPE 11	FRAME	Domed Rooflight	
	FRAME MATERIAL	12mm Timber Frame Unknown finish	
	GLAZED AREA	21.1m <sup>2</sup>	
	ADDITIONAL INFORMATION (IF REQUIRED)		
Mark	Level	Description	Type
	Top of Roof		Window Type 11 8880 x 3120



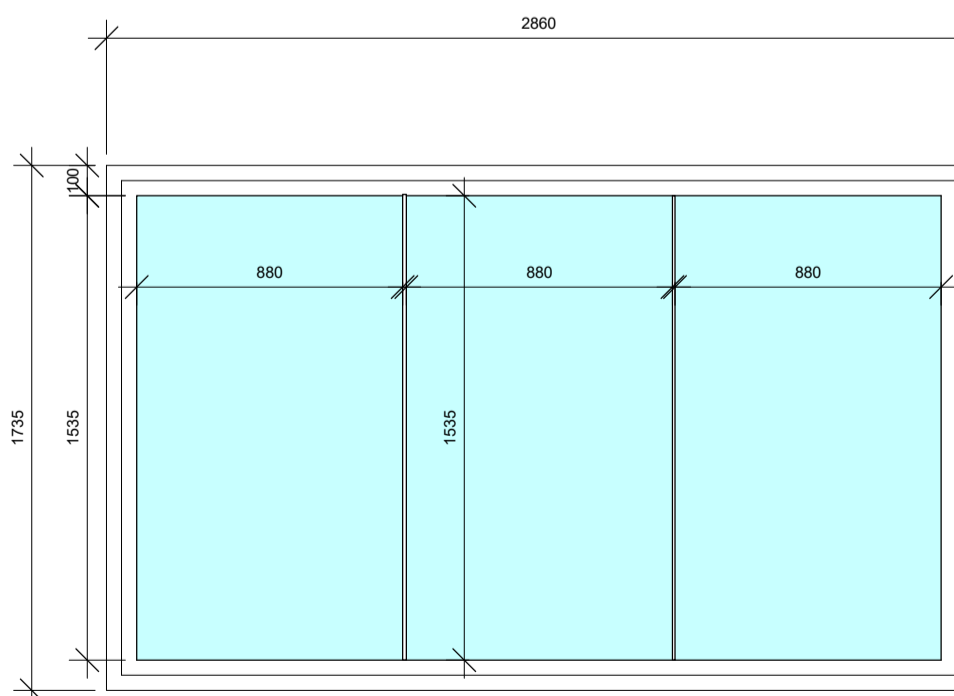
**1 WINDOW TYPE 11**  
SCALE: NTS

Window Type 12			
SEE WINDOW TYPE 12	FRAME	Domed Rooflight	
	FRAME MATERIAL	12mm Timber Frame Unknown finish	
	GLAZED AREA	15.6m <sup>2</sup>	
	ADDITIONAL INFORMATION (IF REQUIRED)		
Mark	Level	Description	Type
	Top of Roof		Window Type 12 6890 x 2690
	Top of Roof		Window Type 12 6890 x 2690



**2 WINDOW TYPE 12**  
SCALE: NTS

Window Type 13			
SEE WINDOW TYPE 13	FRAME	Domed Rooflight	
	FRAME MATERIAL	12mm Timber Frame Unknown finish	
	GLAZED AREA	1.35m <sup>2</sup>	
	ADDITIONAL INFORMATION (IF REQUIRED)		
Mark	Level	Description	Type



**3 WINDOW TYPE 13**  
SCALE: NTS

**NOTES:**

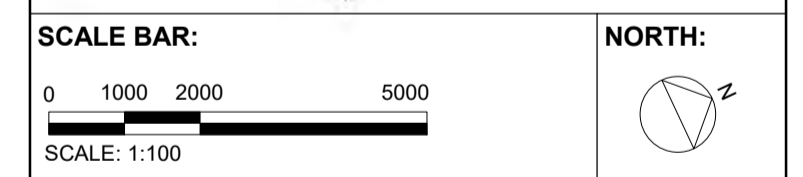
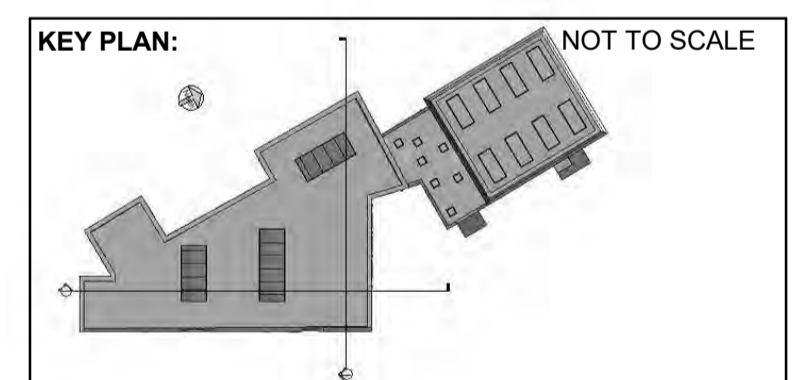
**PROJECT:**  
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ST	REV	DESCRIPTION	DATE

SCALE AT A1: 1 : 25  
CHK: David APP: David  
DES: Team 6 DRW: Team 6

DRAWING SERIES: Existing Survey - SHEET NUMBER A119

DRAWING TITLE: WINDOW SCHEDULE 3

DRAWING NUMBER: (Revit Sheet Number)

Project Originator Volume Level Type Role - Number  
TDS 2 · T06 · ZZ · ZZ · SHD · A119

STATUS: REV:

Door Schedule								
Type	Family and Type	Level	Head Height	Height	Width	Type Mark	Count	Door Condition colour
1st Floor Level								
Door Type 7 (LinenHall) Gents	BG_DOR_Basic-Single_R20: Door Type 7 (LinenHall) Gents	1st Floor Level	2060	2060	945	DR. 07	1	Orange
Door Type 22 (LinenHall) Female	BG_DOR_Basic-Single_R20: Door Type 22 (LinenHall) Female	1st Floor Level	2100	2100	1010	DR. 22	1	Green
Door Type 23 (LinenHall) Assisted	BG_DOR_Basic-Single_R20: Door Type 23 (LinenHall) Assisted	1st Floor Level	2125	2125	1030	DR. 23	1	Orange
D.SGL-02_920 x 2040mm	BG_DOR_Basic-Single_R20: D.SGL-02_920 x 2040mm	1st Floor Level	2040	2040	920	235	1	N/A
D.SGL-02_920 x 2040mm	BG_DOR_Basic-Single_R20: D.SGL-02_920 x 2040mm	1st Floor Level	2040	2040	920	235	1	N/A
D.SGL-02_920 x 2040mm	BG_DOR_Basic-Single_R20: D.SGL-02_920 x 2040mm	1st Floor Level	2040	2040	920	235	1	N/A
D.SGL-02_920 x 2040mm	BG_DOR_Basic-Single_R20: D.SGL-02_920 x 2040mm	1st Floor Level	2040	2040	920	235	1	N/A
Type 21	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Classroom: Type 21	1st Floor Level	2100	2100	1000	DR. 21	1	Green
DType 26	BG_DOR_Swing-Unequal_R20: DType 26	1st Floor Level	2000	2000	1000	DR. 26	1	Orange
Type 19	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Stairwell: Type 19	1st Floor Level	2465	2465	1800	DR. 19	1	N/A
Type 24	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Corridor: Type 24	1st Floor Level	2865	2865	2330	DR. 24	1	Green
Type 1 (Stairway)	BG_DOR_Swing-Unequal_R20: Type 1 (Stairway)	1st Floor Level	2000	2000	1000	276	1	Green
Type 1 (Stairway)	BG_DOR_Swing-Unequal_R20: Type 1 (Stairway)	1st Floor Level	2000	2000	1000	276	1	Green
D.DBL-XX_1640 x 2040mm	BG_DOR_Swing-Double_R20: D.DBL-XX_1640 x 2040mm	1st Floor Level	2000	2000	1000	214	1	N/A
D.DBL-XX_1640 x 2040mm	BG_DOR_Swing-Double_R20: D.DBL-XX_1640 x 2040mm	1st Floor Level	2000	2000	1000	214	1	N/A
D.DBL-XX_1640 x 2040mm	BG_DOR_Swing-Double_R20: D.DBL-XX_1640 x 2040mm	1st Floor Level	2000	2000	1000	214	1	N/A
DType 26	BG_DOR_Swing-Unequal_R20: DType 26	1st Floor Level	2000	2000	1000	DR. 26	1	Orange
DType 26	BG_DOR_Swing-Unequal_R20: DType 26	1st Floor Level	2000	2000	1000	DR. 26	1	Orange
Type 30	BG_DOR_Swing-Single_R20: Type 30	1st Floor Level	2000	2000	1000	DR. 30	1	Yellow
D.SGL-XX_720 x 2040mm 2	BG_DOR_Swing-Single_R20: D.SGL-XX_720 x 2040mm 2	1st Floor Level	2000	2000	1000	275	1	N/A
Type 25	BG_DOR_Swing-Unequal_R20: Type 25	1st Floor Level	2000	2000	1000	DR. 25	1	Yellow
Type 27	Doors_ExtSgl_1: Type 27	1st Floor Level	2075	2075	995	DR. 27	1	Green

Door Schedule								
Type	Family and Type	Level	Head Height	Height	Width	Type Mark	Count	Door Condition colour
Type 28	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Storeroom: Type 28	1st Floor Level	2345	2345	995	DR. 28	1	Green
Type 19	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Stairwell: Type 19	1st Floor Level	2465	2465	1800	DR. 19	1	N/A
WorkShop FFL								
Type 13	BG_DOR_Basic-Single_R20: Type 13	WorkShop FFL	2100	2100	945	DR. 13	1	Yellow
Type 18 (Workshop)	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Corridor: Type 18 (Workshop)	WorkShop FFL	2110	2110	1500	DR. 18	1	Yellow
D.SGL-01_820 x 2040mm	BG_DOR_Basic-Single_R20: D.SGL-01_820 x 2040mm	WorkShop FFL	2040	2040	820	236	1	N/A
Type 18 (Workshop)	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Corridor: Type 18 (Workshop)	WorkShop FFL	2110	2110	1500	DR. 18	1	Yellow
Type 18 (Workshop)	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Corridor: Type 18 (Workshop)	WorkShop FFL	2110	2110	1500	DR. 18	1	Yellow
2nd Floor Level								
D.SGL-02_920 x 2040mm	BG_DOR_Basic-Single_R20: D.SGL-02_920 x 2040mm	2nd Floor Level	2040	2040	920	235	1	N/A
Education_Classroom_940x2060mm Type 6	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Classroom: Education_Classroom_940x2060mm Type 6	2nd Floor Level	2060	2060	940	246	1	Green
Type 5 (Studio 4)	BG_DOR_Swing-Unequal_R20: Type 5 (Studio 4)	2nd Floor Level	2000	2000	1000	DR. 05	1	Green
Type 5 (Studio 4)	BG_DOR_Swing-Unequal_R20: Type 5 (Studio 4)	2nd Floor Level	2000	2000	1000	DR. 05	1	Green
920/420 x 2040mm (Stairway)	BG_DOR_Swing-Unequal_R20: 920/420 x 2040mm (Stairway)	2nd Floor Level	2000	2000	1000	221	1	N/A
Type 1 (Stairway)	BG_DOR_Swing-Unequal_R20: Type 1 (Stairway)	2nd Floor Level	2000	2000	1000	276	1	Green
Door Type 7 (LinenHall) Gents	BG_DOR_Basic-Single_R20: Door Type 7 (LinenHall) Gents	2nd Floor Level	2060	2060	945	DR. 07	1	Orange
Door Type 23 (LinenHall) Assisted	BG_DOR_Basic-Single_R20: Door Type 23 (LinenHall) Assisted	2nd Floor Level	2125	2125	1030	DR. 23	1	Orange
Type 1 (Studio 11)	BG_DOR_Swing-Unequal_R20: Type 1 (Studio 11)	2nd Floor Level	2000	2000	1000	DR. 01	1	Green
Type 11 (Studio 11)	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Classroom: Type 11 (Studio 11)	2nd Floor Level	2210	2210	875	DR. 11	1	Yellow
Type 19	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Stairwell: Type 19	2nd Floor Level	2465	2465	1800	DR. 19	1	Yellow

Door Schedule								
Type	Family and Type	Level	Head Height	Height	Width	Type Mark	Count	Door Condition colour
Type 24	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Corridor: Type 24	2nd Floor Level	2865	2865	2330	DR. 24	1	Green
Type 14 Fire Escape	BG_DOR_Swing-Double_R20: Type 14 Fire Escape	2nd Floor Level	2170	2170	1100	DR. 14	1	Red
Type 3 (Corridor)	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Stairwell: Type 3 (Corridor)	2nd Floor Level	2950	2950	2250	DR. 03	1	Yellow
Type 4 (Office)	Bridgman_BridgmanIBCLtd_Drs etSym_Education_Classroom: Type 4 (Office)	2nd Floor Level	2060	2060	970	297	1	Green
Type 5 (Studio 4)	BG_DOR_Swing-Unequal_R20: Type 5 (Studio 4)	2nd Floor Level	2000	2000	1000	DR. 05	1	Green
Type 35 (PAULS)	BG_DOR_Swing-Unequal_R20: Type 35 (PAULS)	2nd Floor Level	2000	2000	1000	DR. 12	1	Green

NOTES:

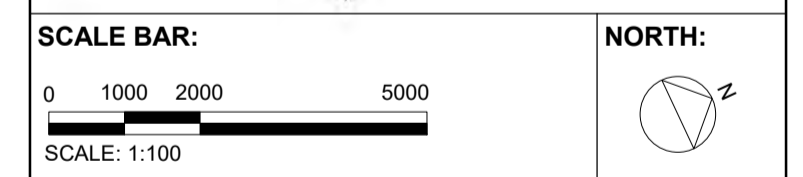
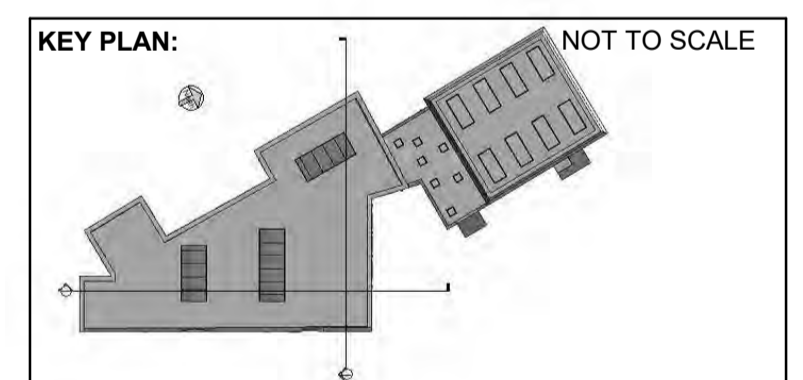
PROJECT:  
TDS 2:  
TDS TECH4100 Assessment 1  
TU Collaborative  
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ARCHITECT:  
  
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ST	REV	DESCRIPTION	DATE

SCALE AT A1: CHK: David APP: David  
DES: Team 6 DRW: Team 6

DRAWING SERIES: SHEET NUMBER  
Existing Survey - A120

DRAWING TITLE:  
DOOR SCHEDULE

DRAWING NUMBER: (Revit Sheet Number)  
Project Originator Volume Level Type Role - Number

TDS 2 - T06 - ZZ - ZZ - SHD - A120

STATUS: REV:



# The Linenhall

## **WASTE HARVESTING**

Group 6 ~ Liam Deguara ~ Jamie Leonard ~ Sinead KIELTY  
~ Karolina Potocka ~ Kevin O'TOOLE

# WASTE HARVESTING

## Content

P.1 SuperUse & Urban Mining

P.2 Life Cycle Assessment (LCA)

P.3 CO<sub>2</sub> Emissions and Recyclability

P.4 Waste harvesting images

P.5 References

P.6 C&D Waste Inventory

P.7 C&D Door and Window Waste Inventory

# Waste Harvesting

## SuperUse & Urban Mining

SuperUse is a company which reuses materials to give them a new design purpose. They are at the forefront of reusing materials to create new architectural feats. SuperUse are a design team based in the Netherlands, who can be contacted for consultancy about a project, or they can be brought on board in the design phase to bring “superuse” into the design process. SuperUse believes in “Circular Architecture & Design” (SuperUse, 2019, p. NA). They see the architectural design not as linear, but a circular process. “A phase in a continuous cycle of creation and recreation, use and reuse” (SuperUse, 2019, p. NA)

Superuse recommend the use of a material flow analysis (Figure 1), which they call the SuperUse Steps. This is an eight part plan which maps out important layers in the project. It outlines areas such as creating an inventory, analysing materials, energy sources, water, food systems, etc.

**Urban mining** looks at materials in a city or area that are not being reused already, or could be reused for a new purpose. WEEE (Waste Electronics & Electrical Equipment) collect waste electrical goods and recycle them in Ireland. KMK recycling takes waste metal in Ireland and recycles it. (<https://www.kmk.ie/kmk-metals-recycling/>)

This could possibly be used in the construction industry by reusing waste metal for facades, rainscreens, etc.

Main Metal Groups:

- Rare metals (RE, In, Ta, Li)
- Light metals (Al, Mg, Ti)
- Precious metals ( PGM, Ag, Au)
- Base metals (Cu, Zn, Pb)

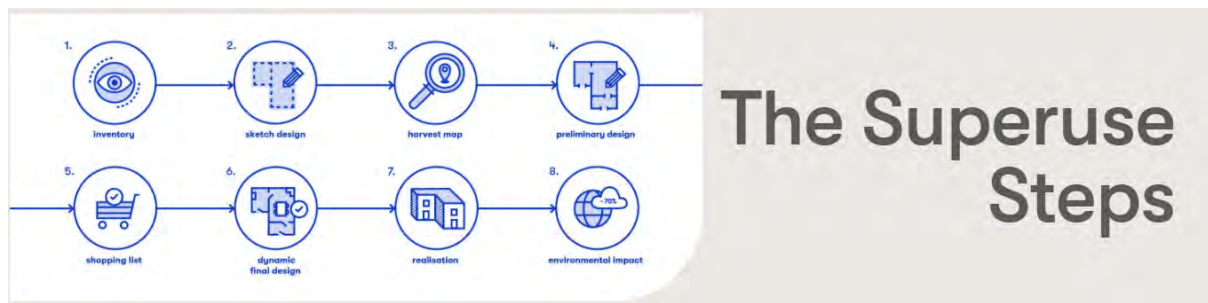


Figure 1. SuperUse Flow Analysis (SuperUse website, 2019)

## References

KMK Recycling, (2016)

<https://www.kmk.ie/kmk-metals-recycling/>

SuperUse, (2019), *Superuse, About Us*.

<https://www.superuse-studios.com/about-us/?lang=en>

# Waste Harvesting

## Life Cycle Assessment

Definition: A Life Cycle Assessment (LCA) is an analysis of the impact one object has on the world around it.

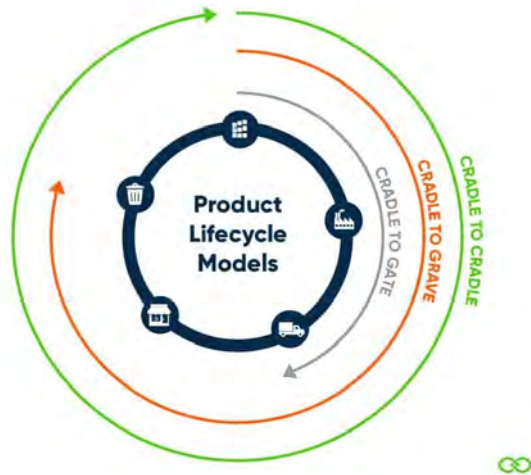


Figure 2. Product Lifecycle Models

1. Raw Material Extraction
2. Manufacturing & Processing
3. Transportation
4. Usage & Retail
5. Waste Disposal

The aim for this project is to have as much existing building materials and products as possible follow the cradle to cradle life cycle. All new building products should be on the cradle to gate life cycle with the aim for these products to eventually follow the cradle to cradle cycle in the future.

## **References**

<https://ecochain.com/knowledge/life-cycle-assessment-lca-guide/>

# Waste Harvesting

## CO2 Emissions and Recyclability

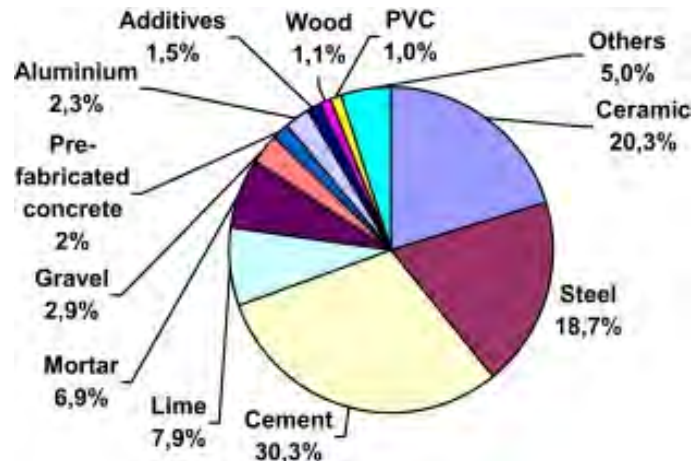


Figure 2. Contribution of CO2 emissions associated with the manufacture of the materials needed for the construction of 1 m<sup>2</sup> (gross floor area).

**Steel:** After a building is demolished, “pretty much all steel will get recycled,”. In fact, steel is the most recycled material in the world, with about 98 percent of structural steel avoiding landfills.

There is not a lot of steel in Linenhall as the building has a concrete structure. Any rebar steel will be lost to disposal because it cannot be recycled.

**Glass:** Easily recycled to original form however coloured glass is difficult to recycle.

All windows that may need to be replaced will be recycled.

**Concrete:** Like many building products slated for reuse or recycling, concrete faces the challenge of isolating its core materials.

The fact that concrete is difficult to recycle will impact any demolition of the main structure. Any materials that cannot be recycled will be retained-in-situ.

**Plasterboard:** Plasterboard paper envelopes can be ground down and recycled like any paper or wood product, and the gypsum core can be infinitely recycled without any significant loss of performance.

Plasterboard is easily recycled. With much of the walls in Linenhall showing signs of wear and tear, the plasterboard finishes should be stripped out and re-finished throughout the building.

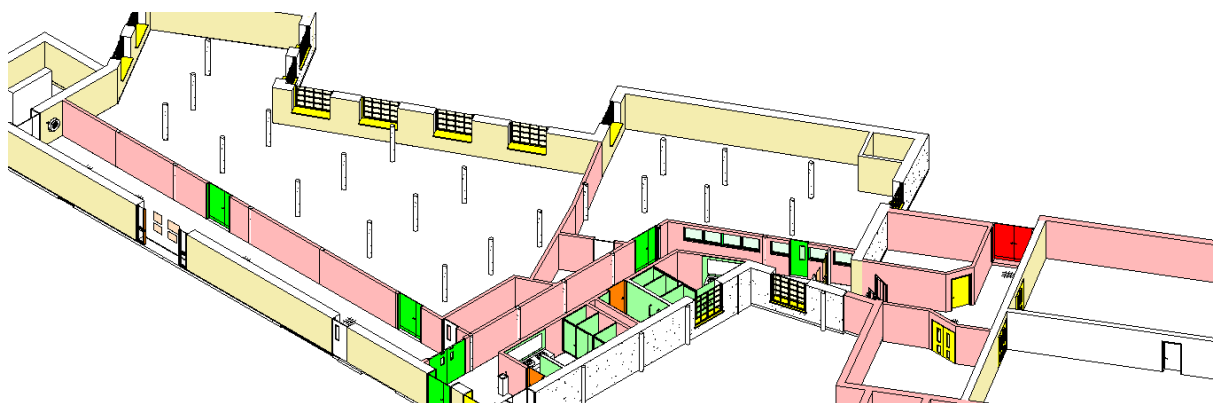


# Waste Harvesting

## Waste harvesting Spreadsheet

Linenhall Waste Window/Door Inventory						
Type	Dimensions (Ope)	Photo	Condition	Count	Additional Information	Location
Window Type 1	1840 x 1680		Yellow	2	Do not meet minimum U-value requirements, however could be reused due do heritage	First & Second Floor staircores
Window Type 2	1805 x 1625		Yellow	10	Do not meet minimum U-value requirements, however could be reused due do heritage	2nd Floor West Elevation
Window Type 3	340 x 1815		Orange	3	Minimum ventilation requirements may not be met	1st and 2nd Floor bathrooms
Window Type 4	900 x 725		Green	6	Interior windows with fire rated wire framing	2nd Floor Studio 11
Window Type 5	900 x 720		Green	1	Interior windows with fire rated wire framing	2nd Floor Studio 11
Window Type 6	860 x 860		Orange	7	Must be inspected for damage & deterioration	Rooflight, Welding room staircore
Window Type 7	2000 x 1805		Yellow	10	Do not meet minimum U-value requirements, however could be reused due do heritage	1st Floor West Elevation
Window Type 8	3210 x 995		Green	2	Interior windows with fire rated wire framing	1st Floor hallway
Window Type 9	3980 x 1665	N.A	Green	8	Rooflight in Welding rooms. Unable to access.	Rooflight, welding rooms
Window Type 10	1805 x 1215	N.A	Yellow	1	Does not meet minimum U-value requirements	1st Floor staircore


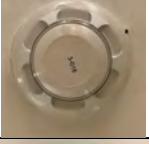
## Waste Harvesting in model



# Waste Harvesting



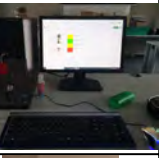

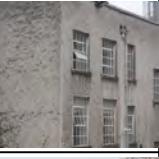

## References

<https://www.metropolismag.com/architecture/recycling-demolition-building-materials/>

Linenhall Waste Harvesting Inventory											
Number	Item	Photo	Quantity	Condition	Notes	Material Category		Condition Evaluator			Material Categories
1	Sockets		9	Yellow	Located on walls of corridors.	Electronic		Green	Good		Wood
2	Light Switches		26	Red	Located on walls of corridors. Some switches are cracked.	Electronic		Yellow	Average		Plastic
3	Ceiling Light		19	Yellow	Tubular and circular types. 3 not working in ladies bathrooms.	Electronic		Orange	Requires Certified Inspection		Textile
4	ID Card NFC Pad		4	Green	Located outside doors of studios to gain access.	Electronic		Red	Bad		Metal
5	Security Keypad		3	Green	Located outside doors of offices to gain access.	Electronic					Glass
6	Emergency Lighting		30	Orange	Signage, tubular and box lights.	Electronic					Electronic
7	Fire System Board		4	Orange	Located above every water hose.	Electronic					Stone
8	Fire Bell		7	Orange	Modern and old bells distributed around the building.	Electronic					Systems
9	Smoke / Fire Detector		9	Orange	Located on ceilings.	Electronic					Chemical
10	Fire Break Glass		4	Orange	Beside every water hose.	Glass					Organic
11	Fire Extinguisher		3	Orange	Powder outside the workshops and foam in the corridors	Metal					Paper & Cardboard



24	Radiators		11		Central heating radiators.	Metal						
25	Tiled Concrete Stairs		1		Most tiles cracked/broken on concrete stairs	Ceramic						
26	Metal Handrail		1		Located in the north-west staircase.	Metal						
27	Timber Stairs		1		Located in north-west stair core.	Wood						
28	Timber Handrail		4		Located in north-west stair core.	Wood						
29	Timber Floor		NA		Floor finish in studios, corridors and stairs. Visible deterioration in high foot traffic areas.	Wood						
30	Concrete Floor		NA		Floor finish in workshops only.	Concrete						
31	Tile Floor		NA		Most tiles are cracked/broken.	Ceramic						
32	Vinyl Floor		NA		Located in bathrooms only.	Vinyl						
33	Wall Paint Finish		NA		Many walls displaying peeled and cracked painted plaster.	Chemical						
34	Wall Tile Finish		NA		Wall finish in all bathrooms.	Ceramic						
35	Ceiling Paint Finish		NA		All ceilings are painted plasterboard. Some ceilings are cracked.	Chemical						

36	Air Conditioning Unit		1	Yellow	Located beside window in computer room	Electronic					
37	Drinking Fountain		1	Green	Located on second floor, outside mens bathroom.	Metal					
38	Computer		60	Yellow	Located in studios on desks with monitor, mouse and keyboard.	Electronic					
39	Intercom Speaker		5	Red	Showing visible deterioration.	Electronic					
40	External Render Finish		NA	Yellow	General wear and tear that requires re-painting.	Chemical					
41	External Precast Concrete Finish		NA	Red	Visible staining of concrete visible.	Concrete					

Linenhall Waste Window/Door Inventory									
Type	Dimensions (Ope)	Photo	Condition	Count	Additional Information	Location		Condition Evaluator	
Window Type 1	1840 x 1680		Yellow	2	Do not meet minimum U-value requirements, however could be reused due do heritage	First & Second Floor staircores		Green	Good
Window Type 2	1805 x 1625		Yellow	10	Do not meet minimum U-value requirements, however could be reused due do heritage	2nd Floor West Elevation		Yellow	Average
Window Type 3	340 x 1815		Orange	3	Minimum ventilation requirements may not be met	1st and 2nd Floor bathrooms		Orange	Requires Certified Inspection
Window Type 4	900 x 725		Green	6	Interior windows with fire rated wire framing	2nd Floor Studio 11		Red	Bad
Window Type 5	900 x 720		Green	1	Interior windows with fire rated wire framing	2nd Floor Studio 11			
Window Type 6	860 x 860		Orange	7	Must be inspected for damage & deterioration	Rooflight, Welding room staricore			
Window Type 7	2000 x 1805		Yellow	10	Do not meet minimum U-value requirements, however could be reused due do heritage	1st Floor West Elevation			
Window Type 8	3210 x 995		Green	2	Interior windows with fire rated wire framing	1st Floor hallway			
Window Type 9	3980 x 1665	N.A	Green	8	Rooflight in Welding rooms. Unable to access.	Rooflight, welding rooms			
Window Type 10	1805 x 1215	N.A	Yellow	1	Does not meet minimum U-value requirements	1st Floor staircore			
Window Type 11	8880 x 3120	N.A	Green	1	Studio 4 rooflights. Unable to access.	2nd Floor Studio 4			

Window Type 12	6890 x 2690	N.A		2	Studio 4 rooflights. Unable to access.	2nd Floor Studio 4	<b>Total Window Count</b>		
Window Type 13	2860 x 1735	N.A		1	Male WC Rooflight	2nd Floor Male WC		54	
Door Type 1	1500 x 2220			4	Fire rated staricore door with self closers	West staricore			
Door Type 2	1360 x 2085			1	Fire rated internal door with self closer	2nd Floor Studio 4			
Door Type 3	3270 x 2220			1	Wire frame fire double doors. No self closers. Could be upgraded	2nd Floor hallway			
Door Type 4	970 x 2060			1	Fire rated internal door with self closer	2nd Floor Office door			
Door Type 5	1500 x 2085			2	Fire rated internal door with self closer	2nd Floor Studio 4 & 5			
Door Type 6	940 x 2060			1	Fire rated internal door with self closer	2nd Floor Cleaning room			
Door Type 7	945 x 2040			2	Bathroom door. Currently does not meet minimum Part M clear opening width	1st and 2nd Floor Male bathroom			
Door Type 8	2080 x 940			1	Accesible bathroom door with no assisted opening. Not Part M compliant	2nd Floor accesible bathroom			
Door Type 9	2050 x 1810			1	Fire rated internal door with self closer	2nd Floor Studio 11			
Door Type 10	2210 x 980			1	Bathroom door with glass slot. Currently does not meet minimum Part M clear opening width	2nd Floor Women's bathroom			



Door Type 11	875 x 2210			1	Fire rated internal door with self closer	2nd Floor Studio 11			
Door Type 12	2665 x 2120			1	Wire frame fire double doors with self closers	2nd Floor hallway			
Door Type 13	945 x 2600			1	Single door with turnkey lock & ventilation. Signs of damage	2nd Floor Staff Welding room			
Door Type 14	1515 x 2670			1	heavily damaged escape door. No fire resistance or air tightness	2nd Floor Emergency Exit			
Door Type 15	N.A	N.A		1	Unable to Access	2nd Floor welding rooms			
Door Type 16	1500 x 2400			1	Fire rated internal door with self closer	2nd Floor Welding room			
Door Type 17	1430 x 2670	N.A		1		2nd Floor Welding room			
Door Type 18	1430 x 2670			1	Internal swinging door. Slight damage	2nd Floor Storage room			
Door Type 19	2925 x 2685			1	Wire frame fire double doors with self closers	2nd Floor hallway			
Door Type 20	2110 x 1020	N.A		1	Unable to Access				
Door Type 21	1000 x 2510			1	Fire rated internal door with turnkey lock	2nd Floor Painting & Decorating			
Door Type 22	2100 x 1010			1	Bathroom door	1st Floor Womens bathroom			

Door Type 23	2125 x 1030			1	Accesible bathroom door with no assisted opening	1st Floor Accesible bathroom			
Door Type 24	2965 x 2330			1	Fire rated internal door with self closer	1st Floor hallway			
Door Type 25	1485 x 2085			1	Slight damage to door. Threshold needs to be replaced	1st Floor Room 129			
Door Type 26	1500 x 2085			1	Missing door handle. No appropriate signage	1st Floor Workshop			
Door Type 27	995 x 2075			1	Fire rated internal door with self closer	1st Floor common room			
Door Type 28	995 x 2345			1	Fire rated internal door with self closer	1st Floor Room 121			
Door Type 29	1525 x 2050			1	Slight damage to door. No self closer visible	1st Floor Room 123			
Door Type 30	2035 x 930			1	Internal sdoor. no signage or self closer visible	1st Floor Room 122			
Door Type 31	N.A	N.A		1	Unable to access	1st Floor Room 124.1			
Door Type 32	N.A	N.A		1	Unable to access	1st Floor Workshop internal			
Door Type 33	N.A	N.A		1	Unable to access	1st Floor Room 125			
Door Type 34	N.A	N.A		1	Unable to access	1st Floor Room 125.1			

Door Type 35	N.A	N.A		1	Unable to access	1st Floor Room 125			
Door Type 36	N.A	N.A		1	Unable to access	1st Floor Workshop			
Door Type 37	N.A	N.A		1	Unable to access	1st Floor Workshop	<b>Total Door Count</b>		
Door Type 38	N.A	N.A		1	Unable to access	2nd Floor Computer Room	43		

# T1 Project Presentation

DT175\_04



## Team 6

Liam Deguara

Jamie Leonard

Sinéad Kielty

Karolina Potocka

Kevin O Toole

22/10/2020

# Introduction & Running order

The history of the site / Ownership

Kevin O Toole

Door families and Schedules, Surveying / Elevations

Sitemaps / Development Plan

Sinéad Kielty

Modelling Revit Model & Floor Plans & Site Plans

Planning Permission / S.W.O.T Analysis

Karolina Potocka

Surveying plans / Revit floor plans and Services

Researching, Surveying and Scheduling

Liam Deguara

Revit Modelling and Drawings

Waste Harvesting

Jamie Leonard

Window families and Schedules / Surveying

# Elevations The history of the site / Ownership

- 1711 it was the linen house of the linen and Hemen manufacturers of Ireland
- In the late 1880s it became owned by Hugh, Moore and Alexanders Ltd who manufactured and sold pharmaceuticals.
- It was burnt down in 1916 as it was a British Army barracks
- 1920s the area around Linen Hall houses were built as part of the Dublin Housing Committee.
- In 1942 it became a school for Architecture as part of the Bolton Street campus which was founded in 1911
- In 1963 the school of trades started aim at teaching trade work for construction.
- Now its part of the built environments of TUD.



A drawing of Linen Hall from 1700s



What was left from the fire from 1916



The school of Built Environments as part of TUD. Both the aerial photo and the front photo



# Site Maps / Development Plan



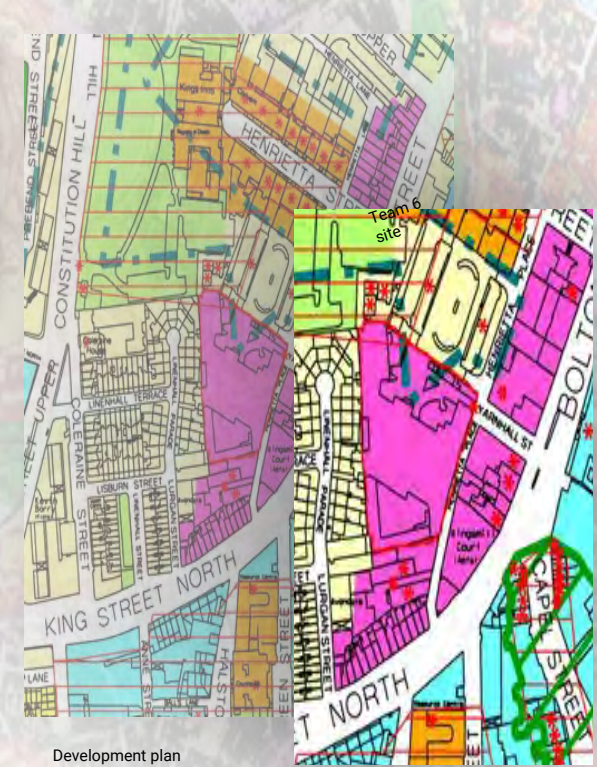
1756 Sheet 2 of city of Dublin John Rocque



2013 OS Map (map sheet: 3263-04 3263-05)



A closer look of site from city of Dublin John Rocque



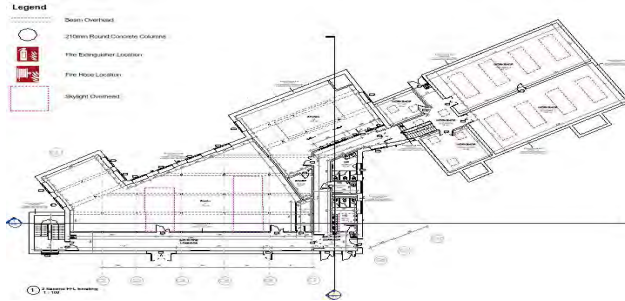
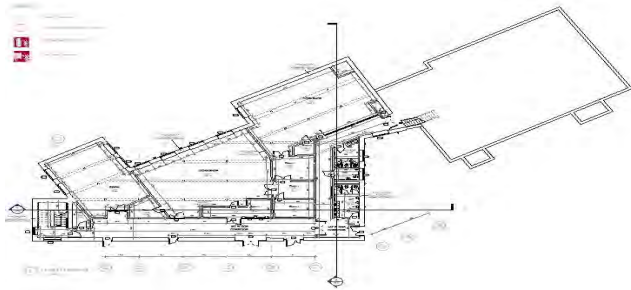
Development plan map

- Zone Z4 To provide for and improve travel-services facilities
- Site marked in red boundary line shows that its Zone Z4
- Protected Structures (PPS takes precedence)

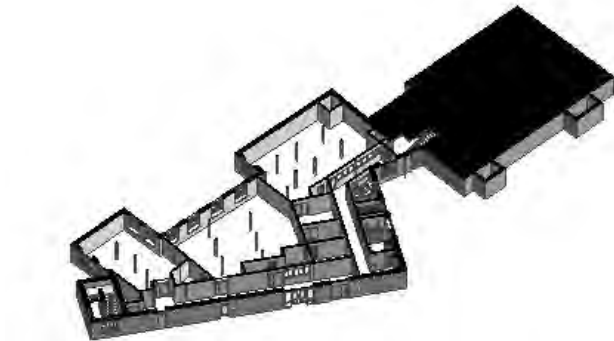
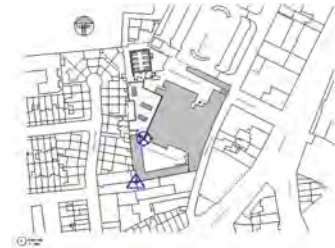
- The protected structure is the stone entrance gate / archway to College of Technology



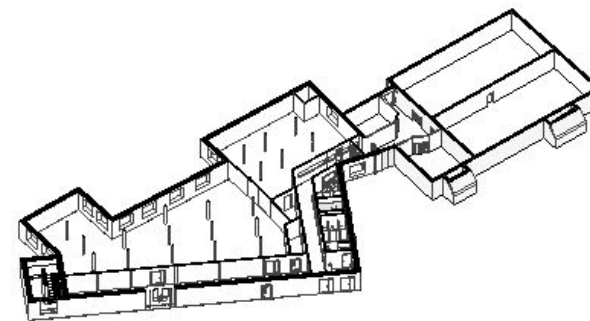
# Modelling Revit Model & Revit floor plans & Site Plans



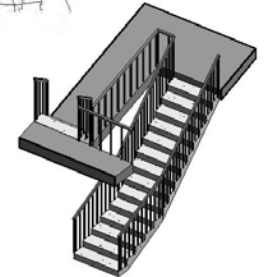
- Sketched and made unique stairs for workshop area also places the standard stairs in also
- Modelled in the walls, columns and floors.
- Placed windows in the correct position
- Set up the sheet schedules and sheet numbers



1 3D 1st Floor



2 3D 2nd Floor

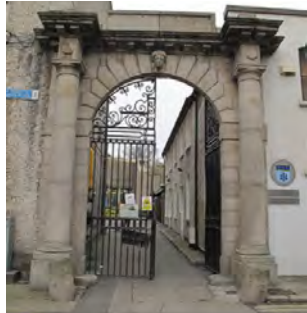


# Planning History / S.W.O.T Analysis



6th of July 1998

Two storey extension to existing two storey entrance building



11th of March 2003

Protected Structures Declaration (S57) for the stone entrance gated archway



11h of June 2009

Provision of new single storey substation and switch room to courtyard and provision of single storey extension to existing ground floor switch room to main building

26th of March 2013

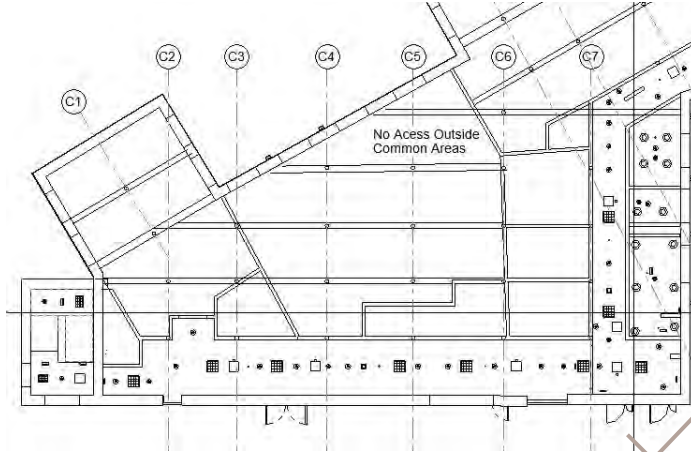
Construction of new single storey Foyer and Gallery extension in a re-landscaped front courtyard and the construction of a new emergency exit from the building onto Henrietta Place



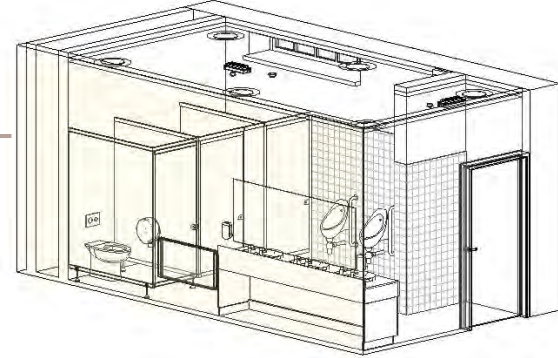
Strengths, Weaknesses,

Opportunities & Threats Analysis

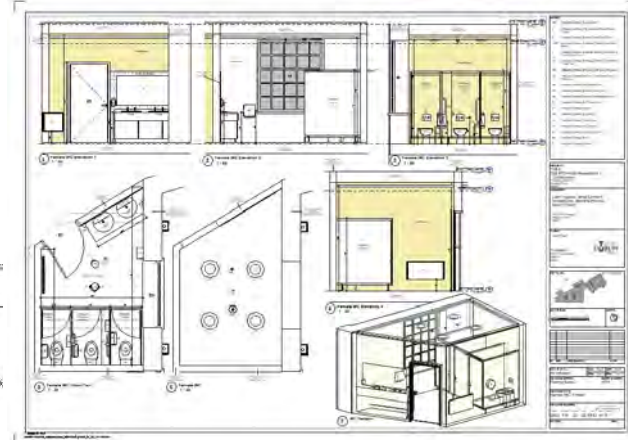
# Surveying / Revit Model



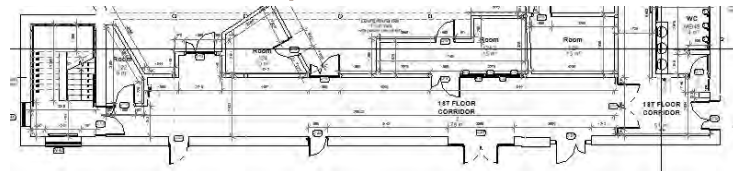
WCs



Ceiling  
Plans



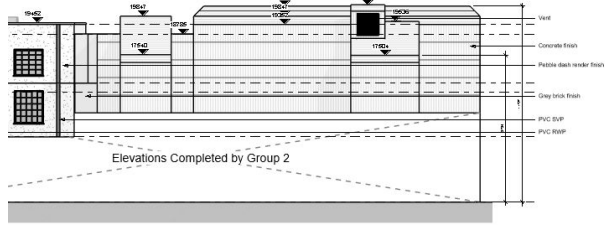
Helping with Floor Plans



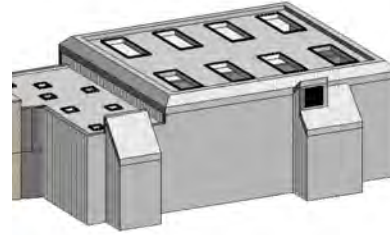
Measuring,  
Taking  
Pictures and  
Videos



# Revit Modelling and Drawings

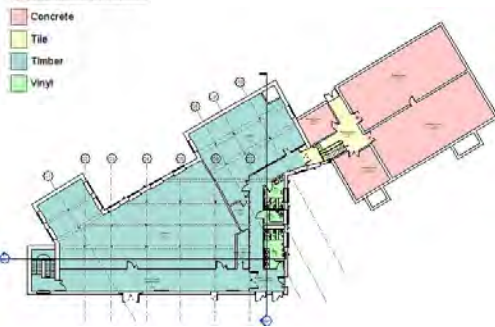


Elevations  
Applying graphic overrides, dimensions and finishes notes to the east and west elevations.

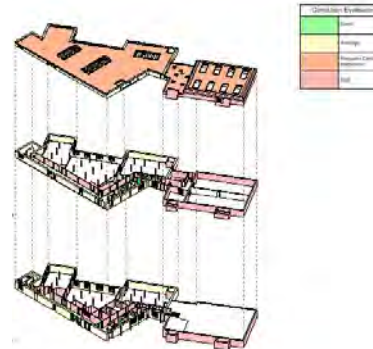


3D Modelling  
Modelling the complex brutalist architecture of the workshop building.

Floor Finishes Schedule



Floor Finishes Plans  
Applying color schemes to the floor finishes plans.



3D Condition Report  
Utilising the 3D model to highlight the condition of everything noted in the waste harvesting inventory.

# Waste Harvesting

- Urban Mining
- SuperUse
- Surveying
- Waste Harvesting
- Windows & Doors inventory

## Waste Harvesting Schedule

Linenshall Waste Window/Door Inventory						
Type	Dimensions (Cpe)	Photo	Condition	Count	Additional Information	Location
Window Type 1	1840 x 1680		Yellow	2	Do not meet minimum U-value requirements, however could be reused due do heritage	First & Second Floor stairwells
Window Type 2	1905 x 1625		Yellow	10	Do not meet minimum U-value requirements, however could be reused due do heritage	2nd Floor West Elevation
Window Type 3	340 x 1815		Orange	3	Minimum ventilation requirements may not be met	1st and 2nd Floor bathrooms
Window Type 4	900 x 725		Green	6	Interior windows with fire rated wire framing	2nd Floor Studio 11
Window Type 5	900 x 720		Green	1	Interior windows with fire rated wire framing	2nd Floor Studio 11
Window Type 6	860 x 860		Orange	7	Must be inspected for damage & deterioration Do not meet minimum U-value requirements, however could be reused due do heritage	Rooftight (welding room stairwells)
Window Type 7	2000 x 1805		Yellow	10	Do not meet minimum U-value requirements, however could be reused due do heritage	1st Floor West Elevation
Window Type 8	3210 x 905		Green	2	Interior windows with fire rated wire framing	1st Floor hallway
Window Type 9	3980 x 1965	N.A	Green	8	Rooftight in Welding rooms Unable to access	Rooftight, welding rooms
Window Type 10	1805 x 1215	N.A	Yellow	1	Does not meet minimum U-value requirements	1st Floor window

### Windows & Doors Inventory

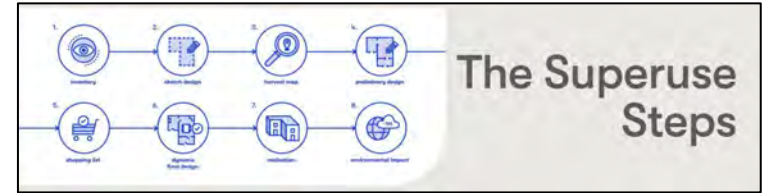
Window type 1 2E stairs



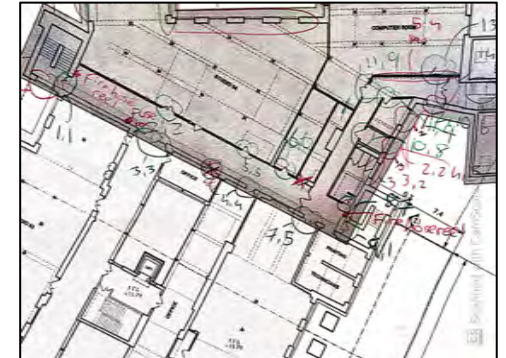
Door type 1 2E stairs



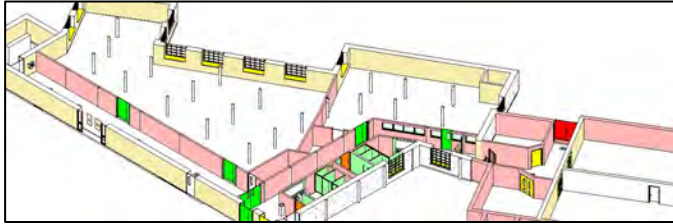
Door type 2 studio 4

19	2965 x 2685
20	2110 x 1020
21	1000 x 2510
22	2100 x 1010
23	2125 x 1030
24	2965 x 2330
25	1685 x 2085
26	1500 x 2085
27	995 x 2075
28	995 x 2345
29	1825 x 2080
30	2035 x 980



# Window families and Schedules / Surveying



**Filters**

- ALL\_IsGeneric
- ALL\_IsLoose
- ALL\_NoBG
- ALL\_NotConcrete
- DET\_IsFamily
- DET\_NotFamily
- Doors Green
- Doors Orange
- Doors Red
- Doors Yellow
- DOR\_FireRated
- DOR\_FireRating=60
- DOR\_FireRating=90
- DOR\_FireRating=120
- DOR\_FireRating=180
- DOR\_FireRating=240
- DOR\_IsAccessible
- DOR\_IsCurtain

**Categories**

Select one or more categories to be included in the filter. Parameters common to these categories will be available for defining filter rules.

Filter list: <multiple>

Hide un-checked categories

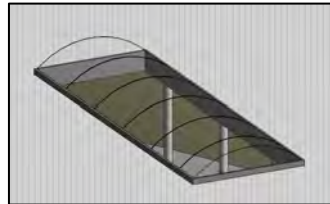
- Conduits
- Curtain Panels
- Curtain Systems
- Curtain Wall Mullions
- Data Devices
- Detail Items
- Doors
- Duct Accessories
- Duct Fittings

**Filter Rules**

OR (Any rule may be true)

- Doors Type Mark equals DR. 01
- Doors Type Mark equals DR. 02
- Doors Type Mark equals DR. 21
- Doors Type Mark equals DR. 22

- Custom filter based on waste harvesting
- Custom window families
- Custom Window schedule
- Custom ceiling based Timber louvres
- Roof based generic model rooflights



Window Type 1

FRAME	Georgian Style Window
FRAME MATERIAL	20mm Timber Frame with white paint finish
GLAZED AREA	18,5m <sup>2</sup>
ADDITIONAL INFORMATION (IF REQUIRED):	

Window No	Level	Description	Type
41	2 Existing Second Floor Plan	Window - Slide from right, 1200 x 1200mm	Window type 1 1840 x 1860mm
42	1st Floor Level	Window - Slide from right, 1200 x 1200mm	Window type 1 1840 x 1860mm
Total Count: 2			

# How the team coordinated

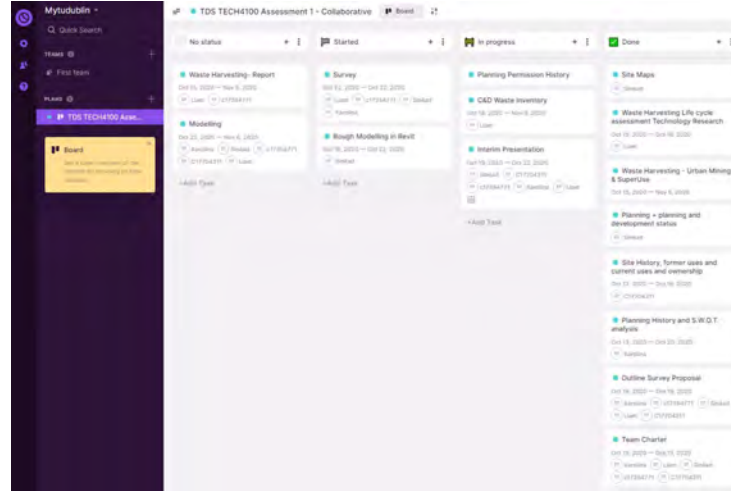
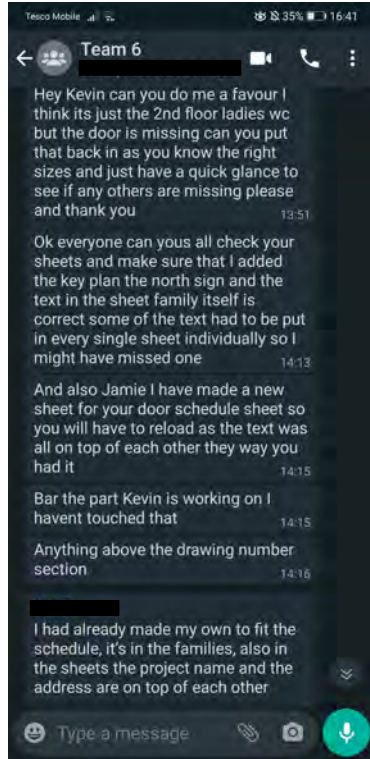


Figure 5. Toggl Plans



# Summary

## Topics covered:

- The history of the site / Ownership
- Door families and Schedules, Surveying / Elevations
- Sitemaps / Development Plan
- Modelling Revit Model & Floor Plans & Site Plans
- Planning Permission / S.W.O.T Analysis
- Surveying plans / Revit floor plans and Services
- Life Cycle Assessment / CO2 Emissions, Recyclability
- Elevations and 3D Plans / Surveying
- Waste Harvesting
- Window families and Schedules / Surveying

## Project Outputs:

Context Report

Waste Harvesting

Survey

Modelling

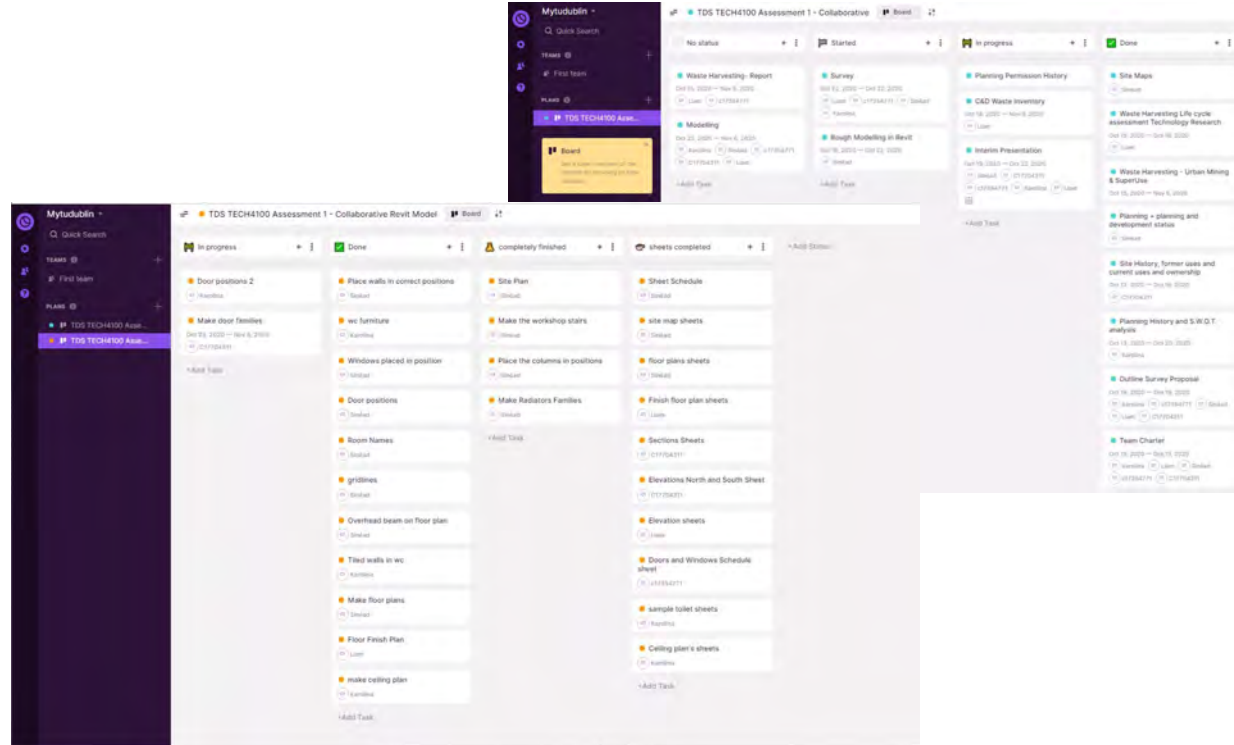


Figure 5. Togg Plans

## References

### Content Report:

#### Site history/ Ownership:

<https://thearchaeologyof1916.wordpress.com/2016/04/05/in-search-of-the-linen-hall-barracks/>

Mairtin Dalton, Architectural technology lecturer at TUDublin

#### Planning and Development Status

Dublin city council website was where I found these links

<http://www.dublincity.ie/main-menu-services-planning-city-development-plan/dublin-city-development-plan-2016-2022>

<http://www.dublincity.ie/main-menu-services-planning-heritage-and-conservation-conservation/protected-structures>

<http://www.dublincity.ie/swiftlg/apas/run/wphappcriteria.display>

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