Google KGX1

KGX1 KGX1 Redesign Proposal of
Ground Plane East Elevation

KXC-A-001-A-BDP-XX-RP626

Revision: P01
24th June 2020
P2007133

BDP.

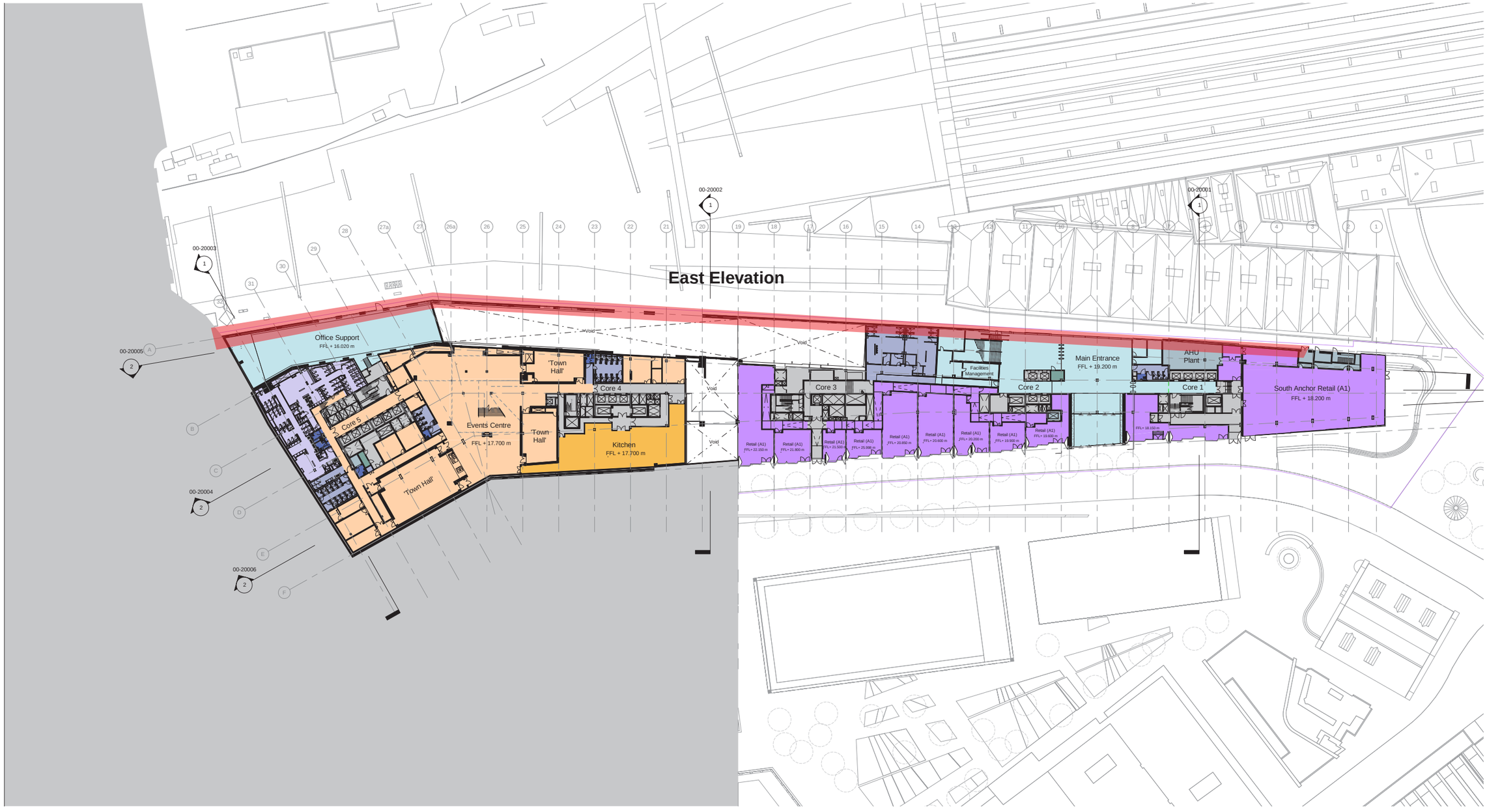
BDP.

Current Layout - Ground Plane

Retail Areas

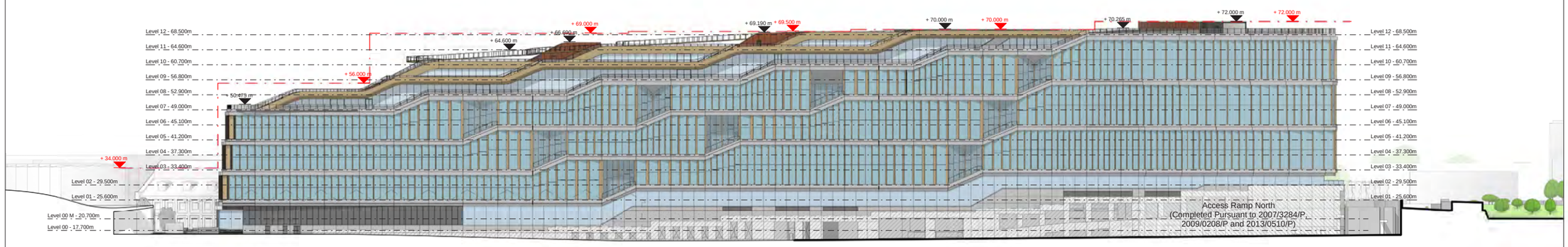
LEGEND

Redesign proposal to ground plane East Elevation



Existing Design - Planning Drawing of East Elevation

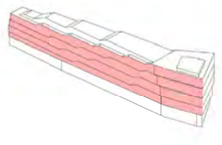
BDP.



King's Cross Station | Battle Bridge Place & German Gymnasium | King's Cross Railway Tracks | Goods Way | Regent's Canal

Drawing Ref: KXC-A-001-T-BDP-00-30020 (1 of 4) | Drawing Ref: KXC-A-001-T-BDP-00-30021 (2 of 4) | Drawing Ref: KXC-A-001-T-BDP-00-30022 (3 of 4) | Drawing Ref: KXC-A-001-T-BDP-00-30023 (4 of 4)

Key Plan



Key

- Maximum Permitted Building Heights
- Actual Building Heights
- Existing Access Ramp

Note: Please see Gillespies Ref: KXC-A-001-T-GIL-91-00011 for Garden Planting Design.

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P03	Issue for Planning	MW	EB	05.05.17
P02	Draft Planning Issue	MW	EB	19.04.17
P01	Draft Planning Issue	MW	EB	14.02.17

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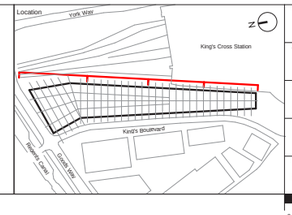
Location



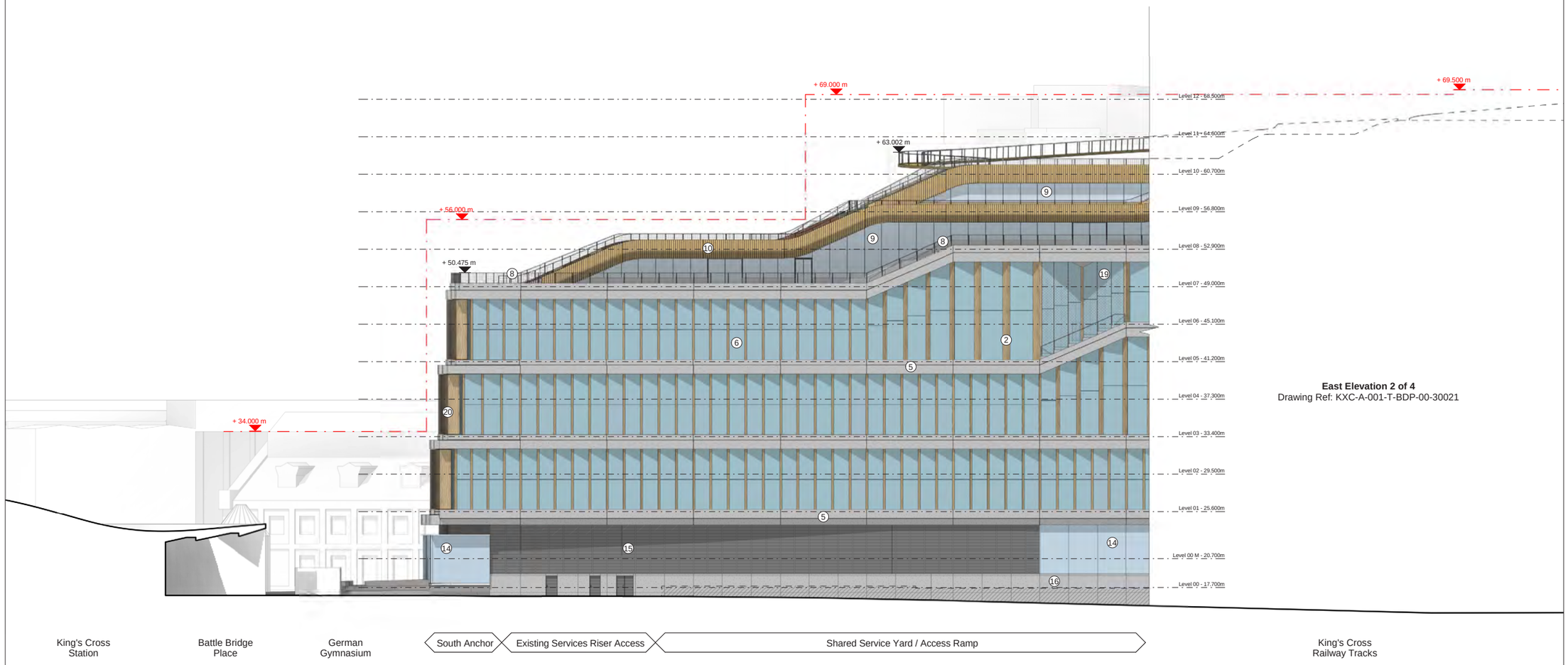
Status: For Approval

Applicant: KCCGPL & Google UK Ltd	Date: 14/02/17
	Project No: P2007133
Project: King's Cross Central: Zone A Building	Scale: 1:500 @ A1 1:1000 @ A3
Drawing Title: Elevation - East	Drawn: MW
	Checked: EB
Drawing No.: KXC-A-001-T-BDP-00-30002	Rev: P03

0 2 4 6 8 10 20m

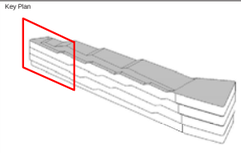
Existing Design - Planning Drawing of East Elevation

BDP.



East Elevation 2 of 4
Drawing Ref: KXC-A-001-T-BDP-00-30021

Key Plan



Key

1	Steel Mullion	13	Steel Balustrade with Glass Panels	D4	Garden Maintenance Door
2	Timber Mullion	14	Ground Facade Glazing Panel	D5	Garden Accessible Door
3	Black Painted Metal Structure	15	Dark Grey Metal Louvre Screen	D6	Dark Grey Back Painted Glass Door
4	Black Metal Cladding	16	Glass Reinforced Concrete Cladding	D7	Weathering Steel Door
5	Pre-cast Concrete Spandrel	17	Dark Grey Expanded Metal Mesh		
6	Main Facade Glazing Panel	18	Bronze Metal Cladding Shop Front Portal		Maximum Permitted Building Heights
7	Back Painted Dark Grey Glass Panel	19	Webnet Wire Mesh Panels		Actual Building Heights
8	Steel Balustrade with Webnet Wire Mesh Panels	20	Operable Timber Mullion		
9	Roof Facade Glazing Panel	21	Dark Grey Metal Shop Front Divider		Existing Access Ramp
10	Timber Wall Cladding	22	Bronze Metal Cladding Louvre		
11	Glass Reinforced Concrete Panel	D1	Glass Sliding Door		
12	Weathering Steel Cladding	D2	Dark Grey Metal Louvre Door		
		D3	Glass Hinged Door		

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P03	Issue for Planning	MW	EB	05.05.17
P02	Draft Planning Issue	MW	EB	19.04.17
P01	Draft Planning Issue	MW	EB	14.02.17

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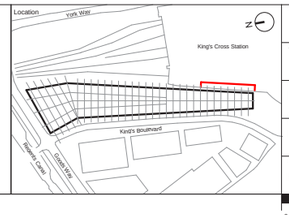

Status: For Approval

Applicant: KCCGPL & Google UK Ltd	Date: 14/02/17
	Project No: P2007133
Project: King's Cross Central: Zone A Building	Scale: 1:200 @ A1, 1:400 @ A3
Drawing Title: East Elevation - 1 of 4	Drawn: MW
	Checked: EB
Drawing No.: KXC-A-001-T-BDP-00-30020	Rev: P03

0 2 4 6 8 10 20m

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Existing Design - Planning Drawing of East Elevation

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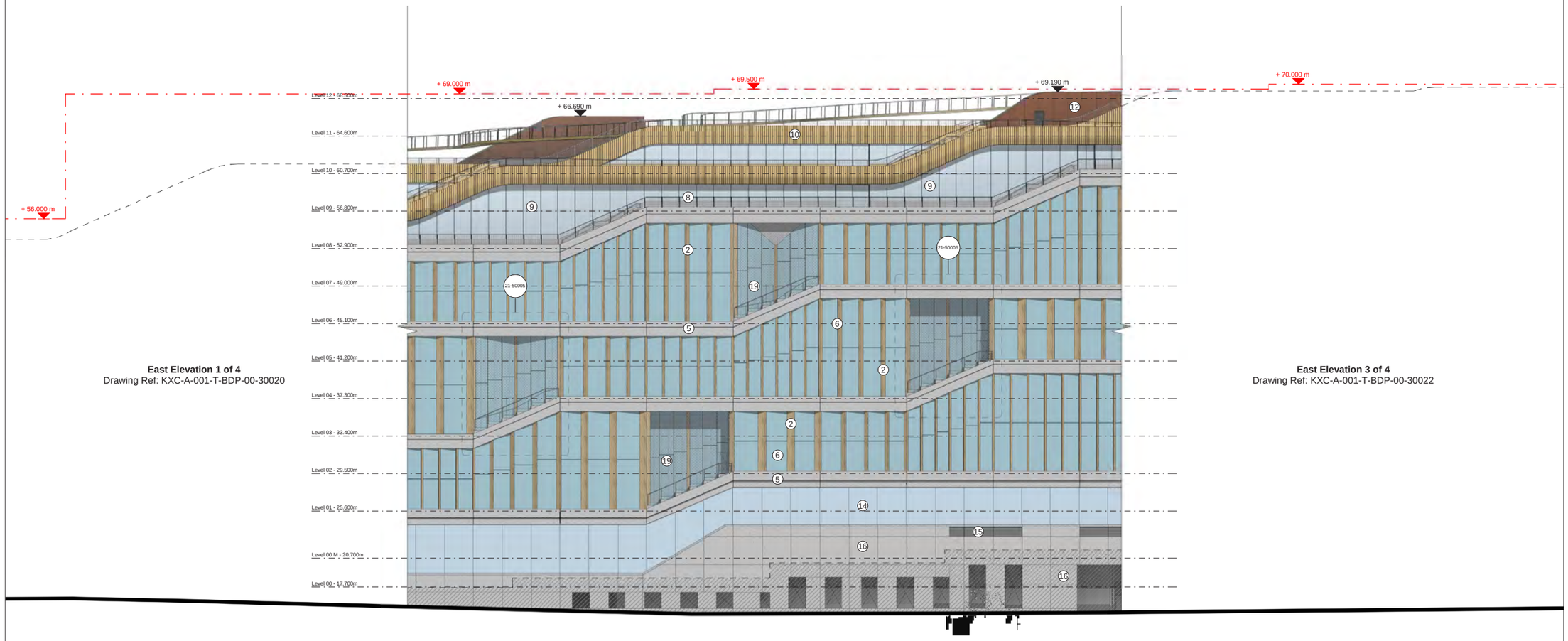
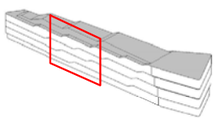


Key Plan



Key

1	Steel Mullion	13	Steel Balustrade with Glass Panels	D4	Garden Maintenance Door
2	Timber Mullion	14	Ground Facade Glazing Panel	D5	Garden Accessible Door
3	Black Painted Metal Structure	15	Dark Grey Metal Louvre Screen	D6	Dark Grey Back Painted Glass Door
4	Black Metal Cladding	16	Glass Reinforced Concrete Cladding	D7	Weathering Steel Door
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6	Main Facade Glazing Panel	18	Bronze Metal Cladding Shop Front Portal		Maximum Permitted Building Heights
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		21	Dark Grey Metal Shop Front Divider		Existing Access Ramp
9	Roof Facade Glazing Panel	22	Bronze Metal Cladding Louvre		
10	Timber Wall Cladding	D1	Glass Sliding Door		
11	Glass Reinforced Concrete Panel	D2	Dark Grey Metal Louvre Door		
12	Weathering Steel Cladding	D3	Glass Hinged Door		

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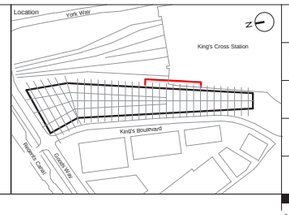

Status: For Approval

Applicant: KCCGPL & Google UK Ltd	Date: 14/02/17
	Project No: P2007133
Project: King's Cross Central: Zone A Building	Scale: 1:200 @ A1, 1:400 @ A3
Drawing Title: East Elevation - 2 of 4	Drawn: MW
	Checked: EB
Drawing No.: KXC-A-001-T-BDP-00-30021	Rev: P03

0 2 4 6 8 10 20m

Existing Design - Planning Drawing of East Elevation

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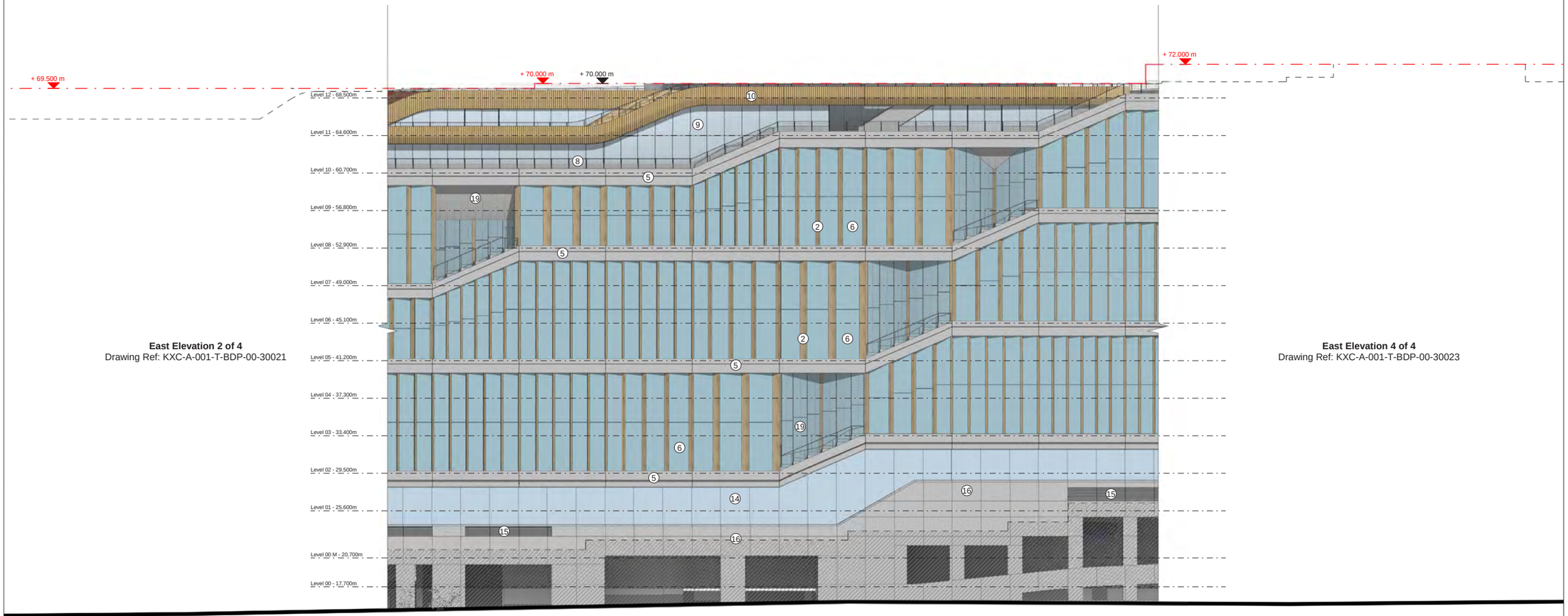


East Elevation 2 of 4
Drawing Ref: KXC-A-001-T-BDP-00-30021

East Elevation 4 of 4
Drawing Ref: KXC-A-001-T-BDP-00-30023

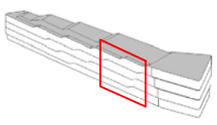
King's Cross Railway Tracks

NR Access Doors

Shared Service Yard / Access Ramp

King's Cross Railway Tracks

Key Plan



Key

1 Steel Mullion
2 Timber Mullion
3 Black Painted Metal Structure
4 Black Metal Cladding
5 Pre-cast Concrete Spandrel
6 Main Facade Glazing Panel
7 Back Painted Dark Grey Glass Panel
8 Steel Balustrade with Webnet Wire Mesh Panels
9 Roof Facade Glazing Panel
10 Timber Wall Cladding
11 Glass Reinforced Concrete Panel
12 Weathering Steel Cladding
13 Steel Balustrade with Glass Panels
14 Ground Facade Glazing Panel
15 Dark Grey Metal Louvre Screen
16 Glass Reinforced Concrete Cladding
17 Dark Grey Expanded Metal Mesh
18 Bronze Metal Cladding Shop Front Portal
19 Webnet Wire Mesh Panels
20 Operable Timber Mullion
21 Dark Grey Metal Shop Front Divider
22 Bronze Metal Cladding Louvre
D1 Glass Sliding Door
D2 Dark Grey Metal Louvre Door
D3 Glass Hinged Door
D4 Garden Maintenance Door
D5 Garden Accessible Door
D6 Dark Grey Back Painted Glass Door
D7 Weathering Steel Door

Maximum Permitted Building Heights
Actual Building Heights
Existing Access Ramp

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P03	Issue for Planning	MW	EB	05.05.17
P02	Draft Planning Issue	MW	EB	19.04.17
P01	Draft Planning Issue	MW	EB	14.02.17

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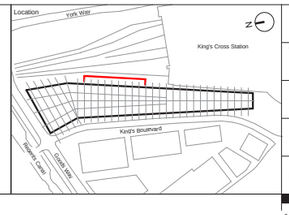

Status: For Approval

Applicant: KCCGPL & Google UK Ltd	Date: 14/02/17
	Project No: P2007133
Project: King's Cross Central: Zone A Building	Scale: 1:200 @ A1, 1:400 @ A3
Drawing Title: East Elevation - 3 of 4	Drawn: MW
	Checked: EB
Drawing No.: KXC-A-001-T-BDP-00-30022	Rev: P03

0 2 4 6 8 10 20m

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Existing Design - Planning Drawing of East Elevation

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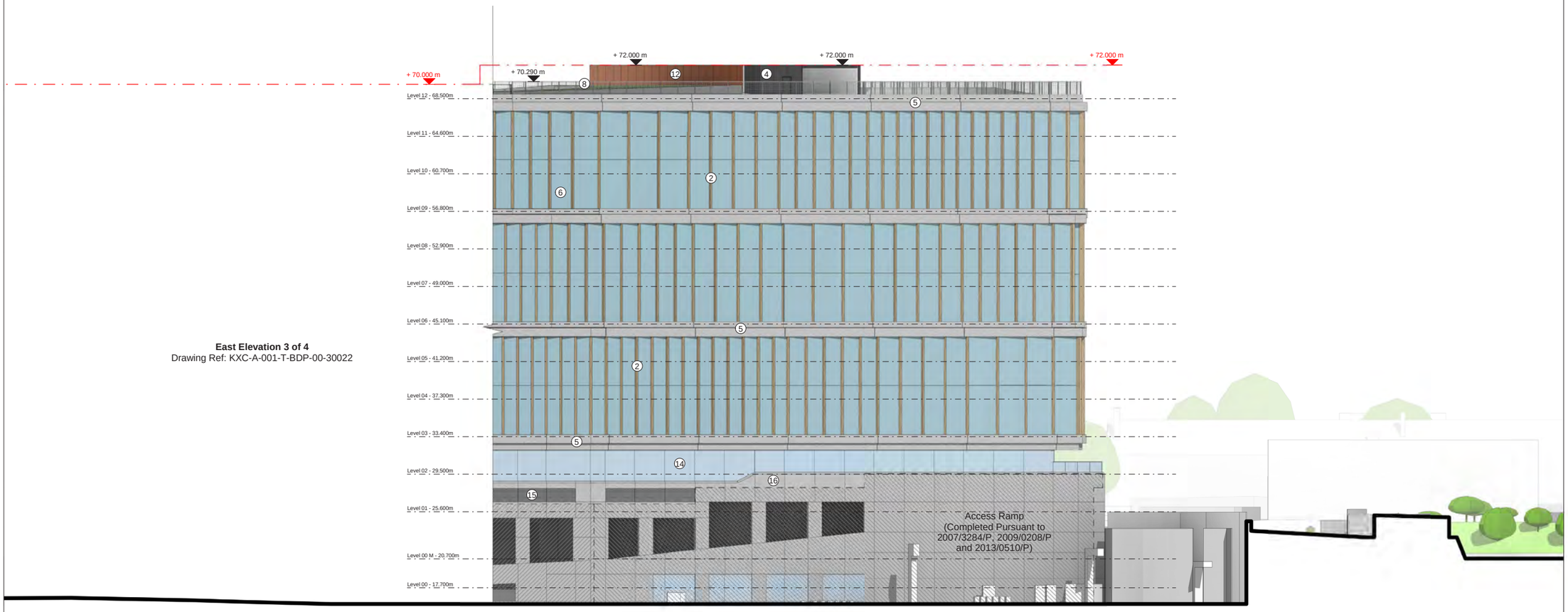
East Elevation 3 of 4
Drawing Ref: KXC-A-001-T-BDP-00-30022

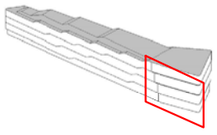


King's Cross Railway Tracks

Shared Service Yard / Access Ramp

Goods Way

Key Plan



Key

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7 Back Painted Dark Grey Glass Panel
8 Steel Balustrade with Webnet Wire Mesh Panels
9 Roof Facade Glazing Panel
10 Timber Wall Cladding
11 Glass Reinforced Concrete Panel
12 Weathering Steel Cladding
13 Steel Balustrade with Glass Panels
14 Ground Facade Glazing Panel
15 Dark Grey Metal Louvre Screen
16 Glass Reinforced Concrete Cladding
17 Dark Grey Expanded Metal Mesh
18 Bronze Metal Cladding Shop Front Portal
19 Webnet Wire Mesh Panels
20 Operable Timber Mullion
21 Dark Grey Metal Shop Front Divider
22 Bronze Metal Cladding Louvre
D1 Glass Sliding Door
D2 Dark Grey Metal Louvre Door
D3 Glass Hinged Door
D4 Garden Maintenance Door
D5 Garden Accessible Door
D6 Dark Grey Back Painted Glass Door
D7 Weathering Steel Door

— · — Maximum Permitted Building Heights

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P03	Issue for Planning	MW	EB	05.05.17
P02	Draft Planning Issue	MW	EB	19.04.17
P01	Draft Planning Issue	MW	EB	14.02.17

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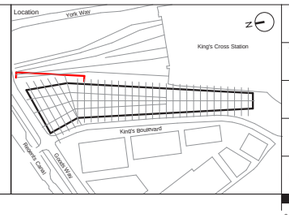

Status: For Approval

Applicant: KCCGPL & Google Ltd	Date: 14/02/17
	Project No: P2007133
Project: King's Cross Central: Zone A Building	Scale: 1:200 @ A1 1:400 @ A3
Drawing Title: East Elevation - 4 of 4	Drawn: MW
	Checked: EB
Drawing No.: KXC-A-001-T-BDP-00-30023	Rev: P03

0 2 4 6 8 10 20m

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Extract from Urban Design Report - Page 127

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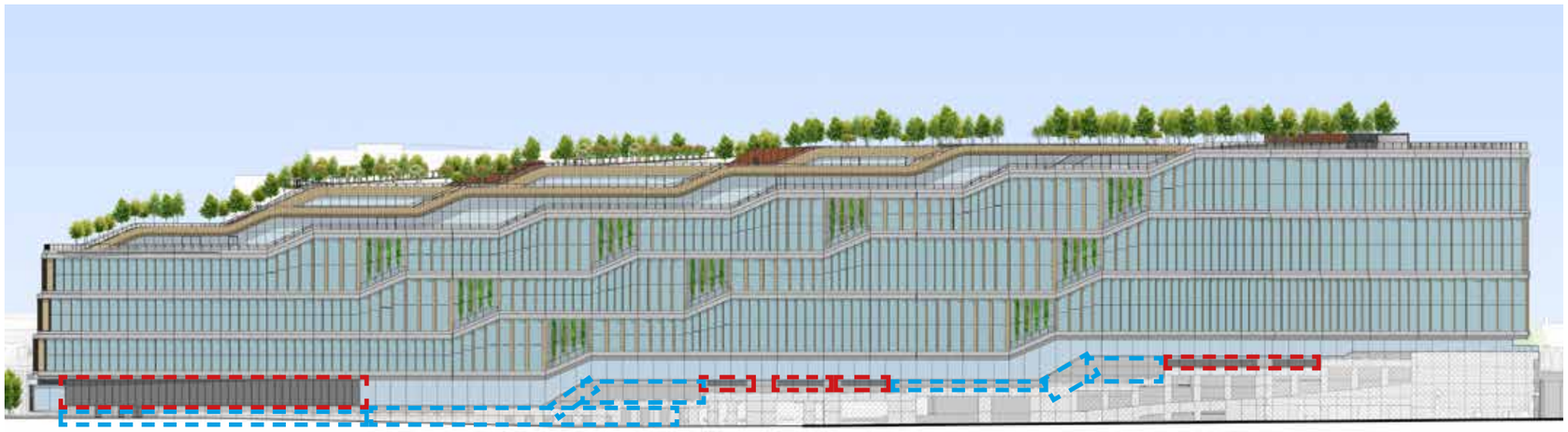


East Elevation

North Elevation

Key:

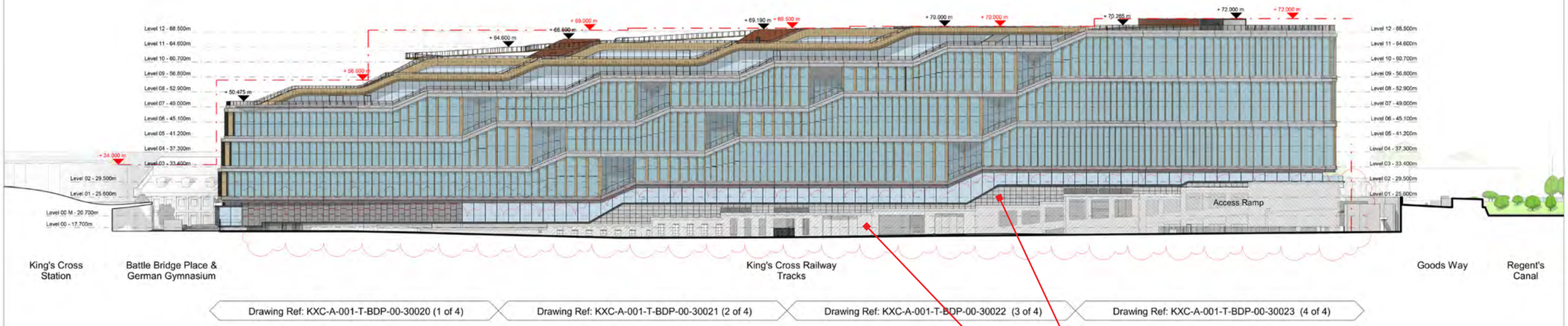
- Metal Louvre Screen
- Glass Reinforced Concrete Cladding
- Access Ramp Entrance

Figure 96: East and North elevations of the building indicating where the metal louvre screen, panel cladding and access ramp entrance are located

East Elevation Existing Proposal 3D View 1

Figure 80: Illustrative view of the proposed Zone A Building as seen on a King's Cross station platform

Proposed Design - Planning Drawing of East Elevation



Proposed change of material to GRC Rieder cladding and to be painted (Keim Paint)

Proposed change of material to painted concrete finish (Keim Paint)

The above proposed elevation illustrates the proposal for changing the materials to the East elevation by painting the existing concrete and proving new GRC cladding above the existing structure. The overall GRC facade will be painted with Keim paint to provide a unified finish and colour.

WIP Printed:29/06/2020 17:36:36

Key Plan

1 Revision 13 Date 13

Key

- Maximum Permitted Building Heights
- Actual Building Heights
- Existing Access Ramp

Note: Please see Gillespies Ref: KXC-A-001-T-GIL-91-00011 for Garden Planting Design.

P05	Issue for Planning	HC	EB	15.05.17
P04	Issue for Planning	KC	EB	12.05.17
P03	Issue for Planning	MW	EB	05.05.17
P02	Draft Planning Issue	MW	EB	19.04.17
P01	Draft Planning Issue	MW	EB	14.02.17

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Location

Status: For Approval

Applicant: KCCGPL & Google UK Ltd

Date: 14/02/17

Project No: P2007133

Project: King's Cross Central: Zone A Building

Scale: 1:500 @ A1, 1:1000 @ A3

Drawing Title: Elevation - East

Drawn: HC

Checked: EB

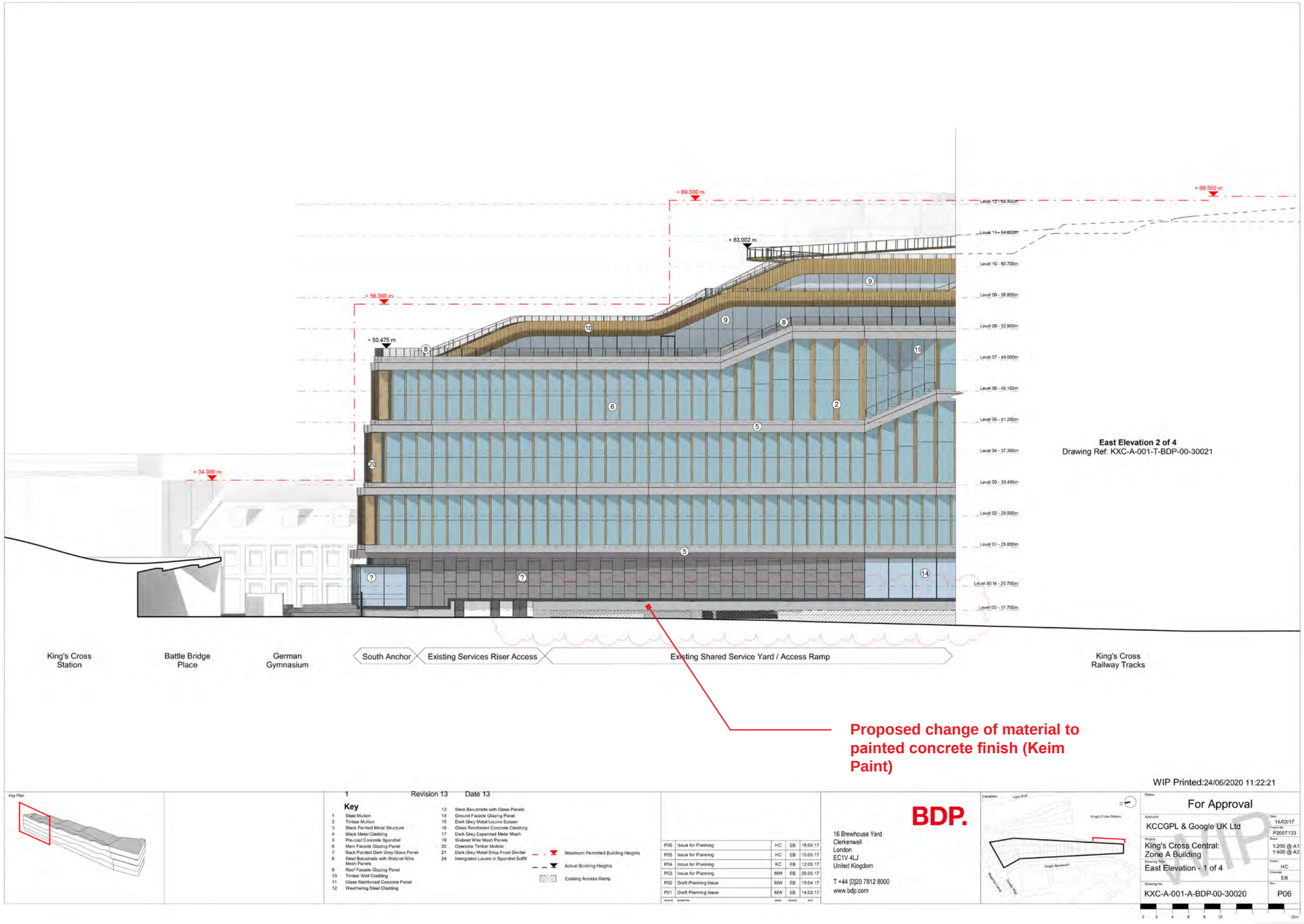
Drawing No.: KXC-A-001-A-BDP-00-30002

Rev: P05

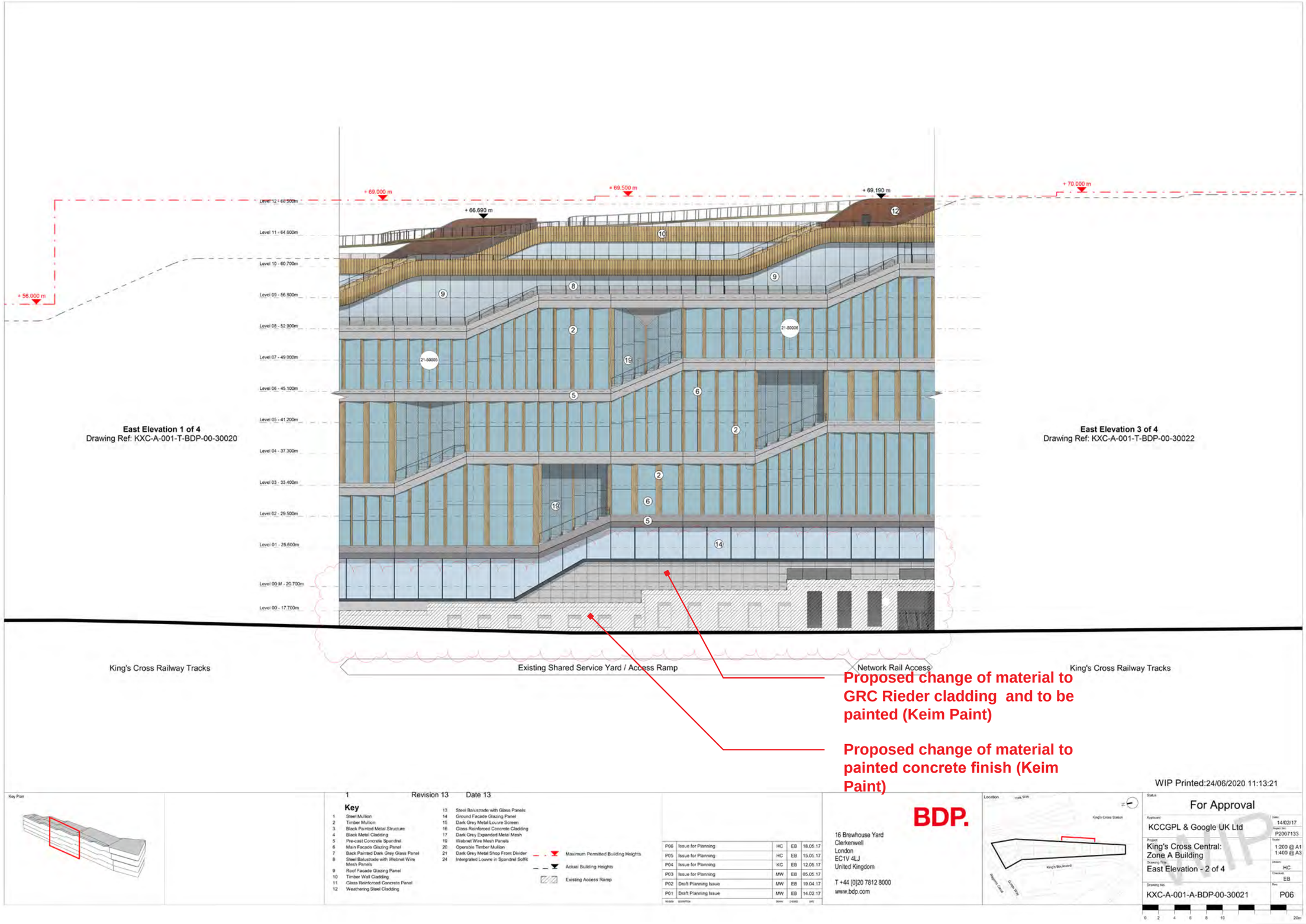
WIP

0 2 4 6 8 10 20m

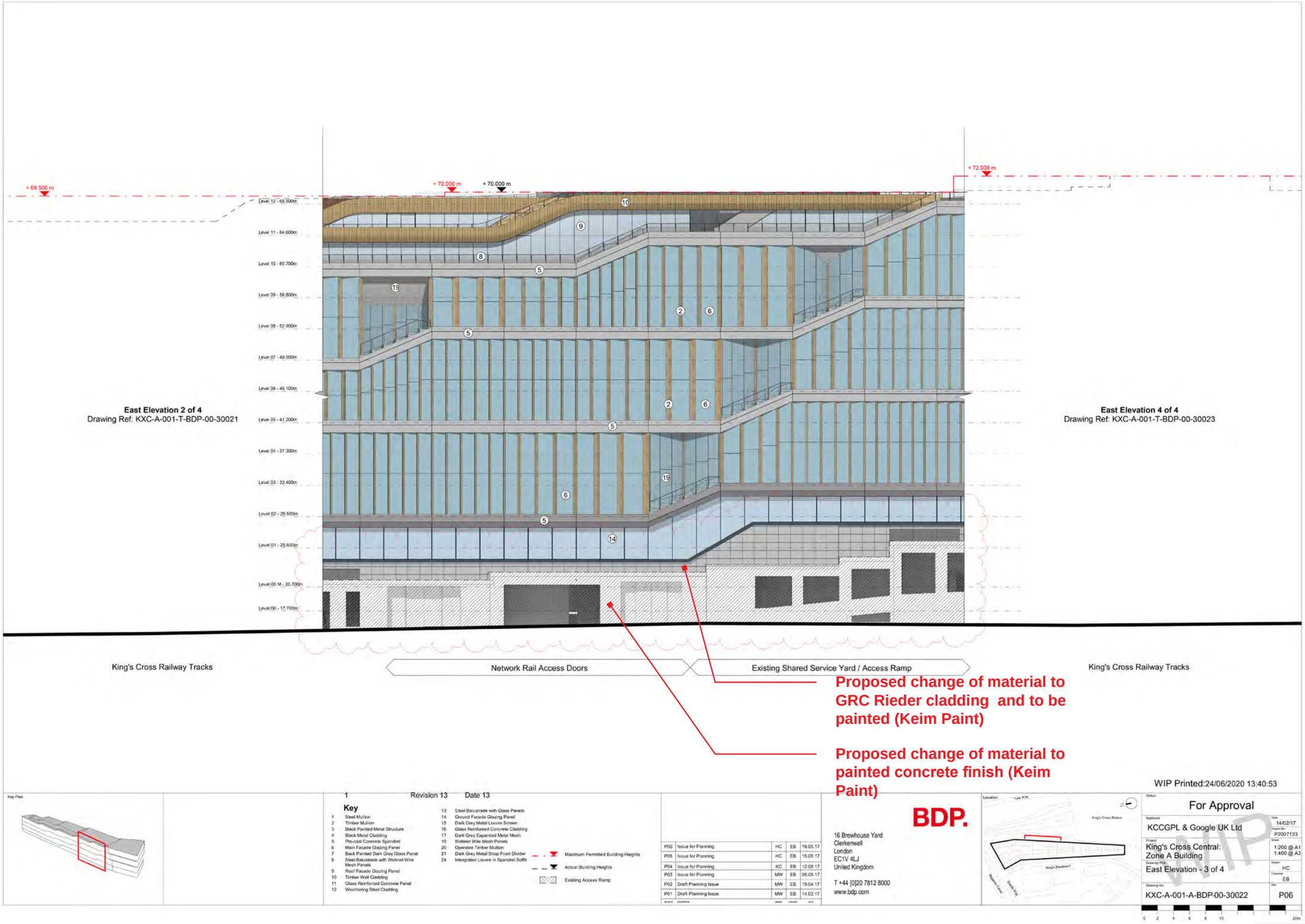
Proposed Design - Planning Drawing of East Elevation



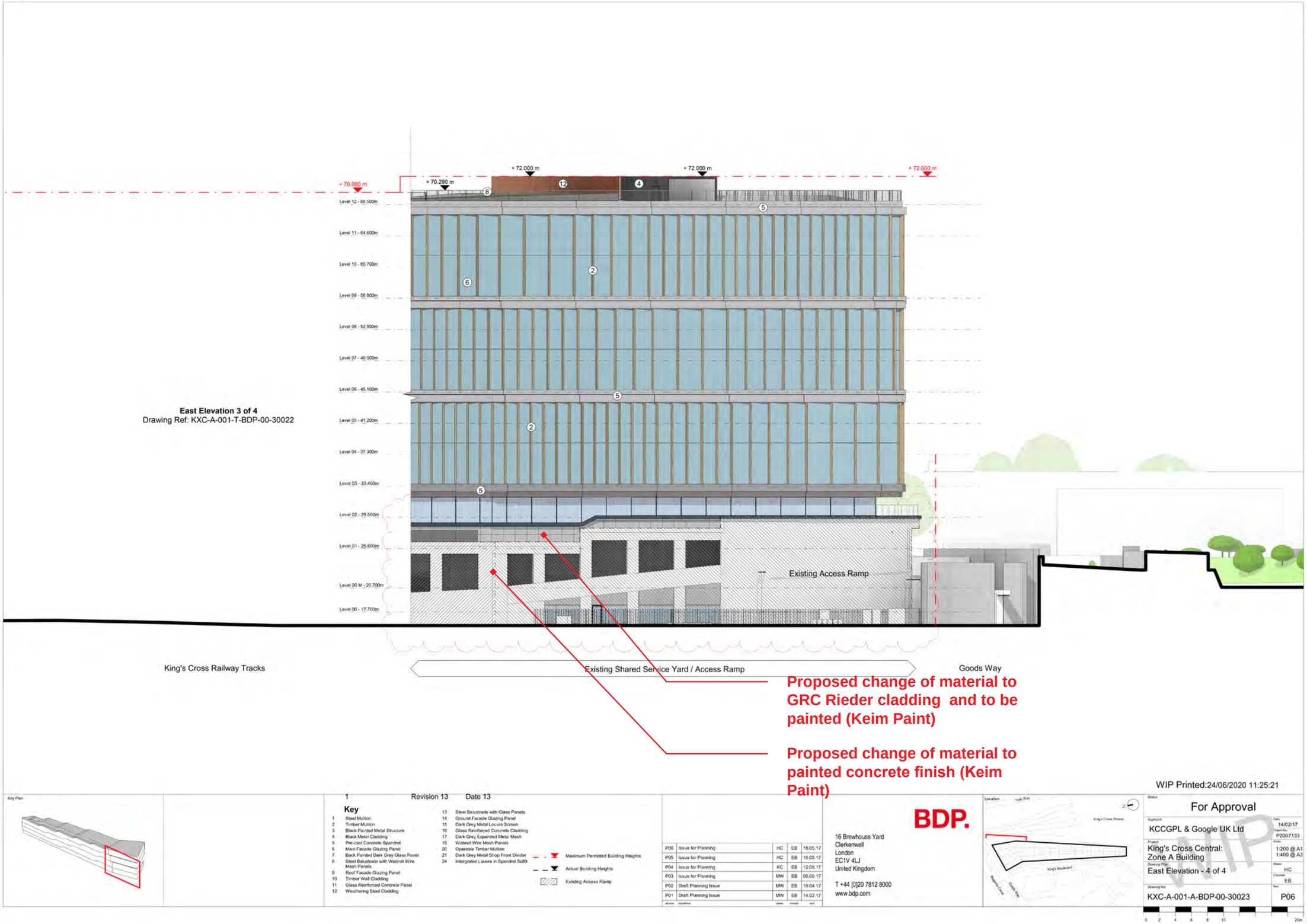
Proposed Design - Planning Drawing of East Elevation



Proposed Design - Planning Drawing of East Elevation



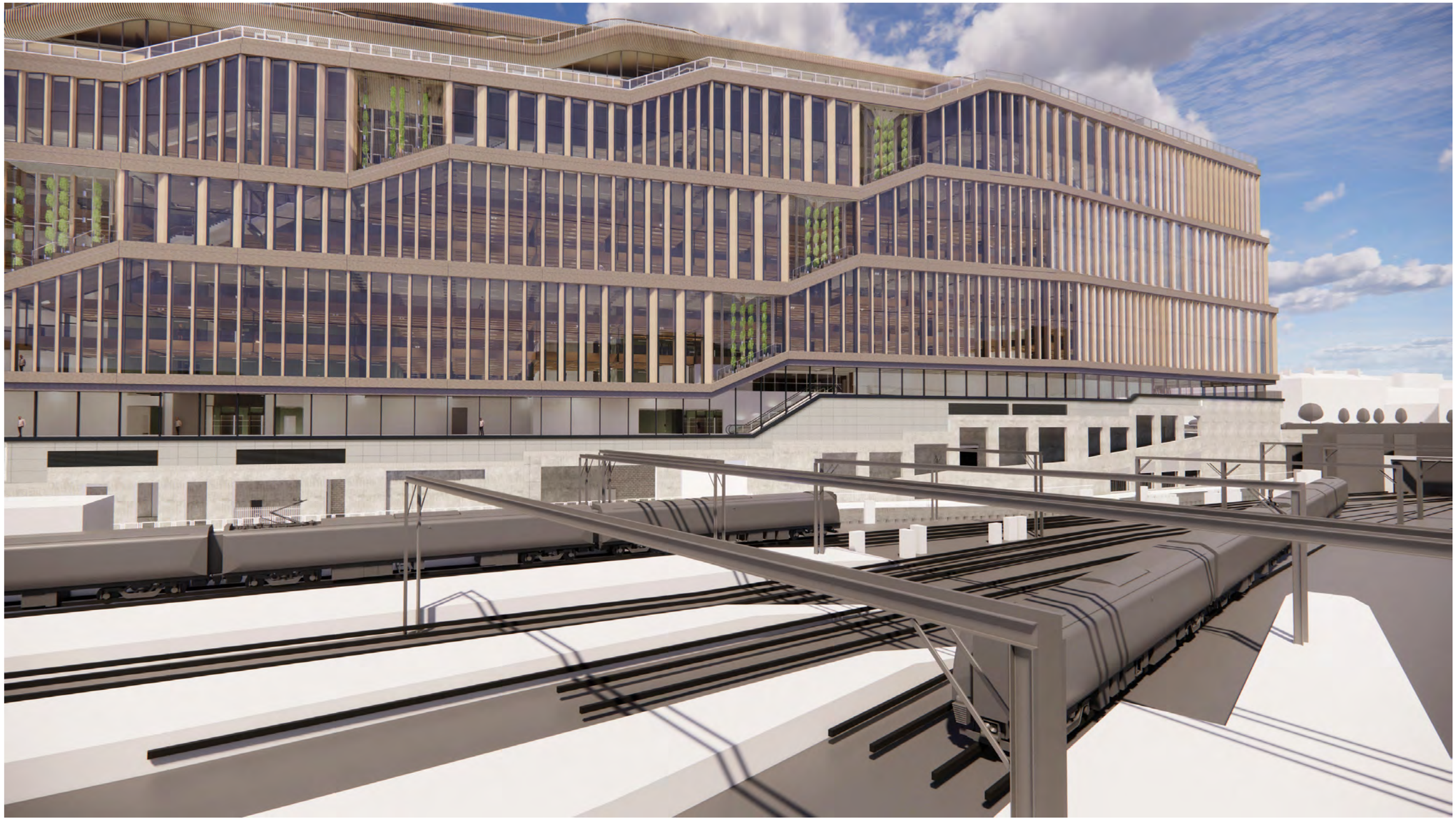
Proposed Design - Planning Drawing of East Elevation



East Elevation Existing Proposal 3D View 1

Figure 80: Illustrative view of the proposed Zone A Building as seen on a King's Cross station platform

East Elevation Proposed 3D View 2



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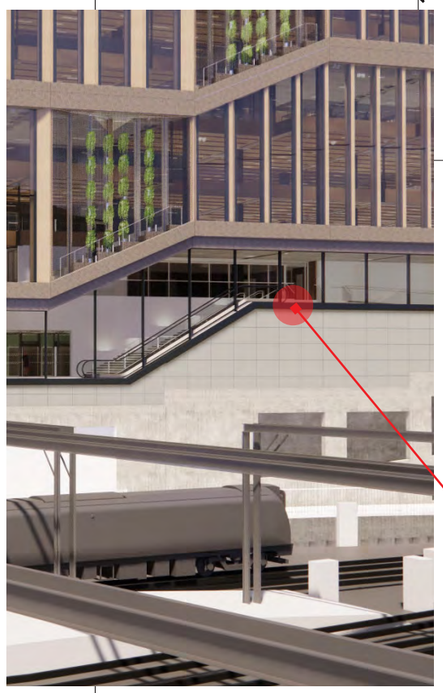
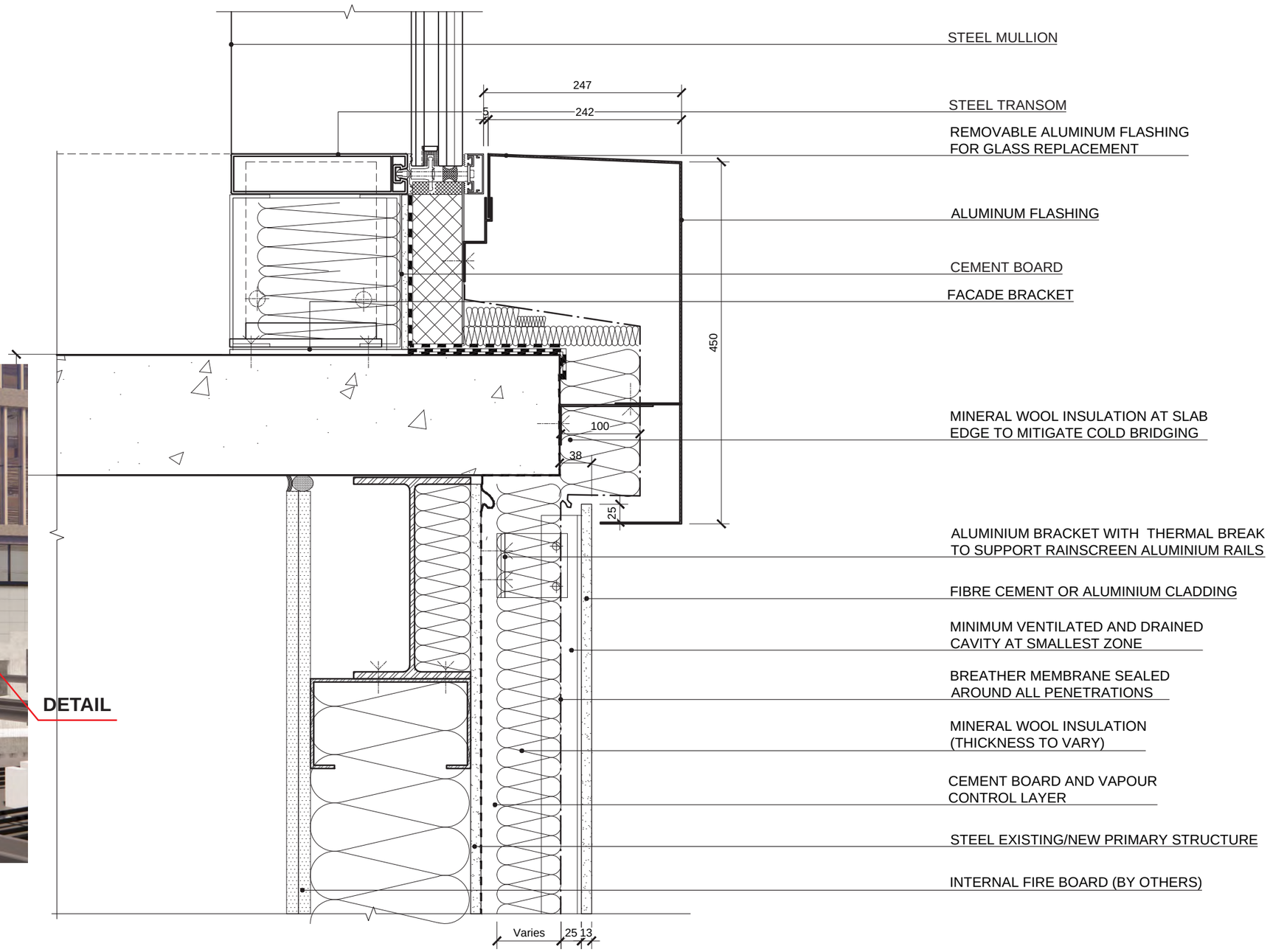
Typical Vertical Section Head Detail at Interface with Existing Primary Structure - East Elevation





* Overall U-value for the East wall to be calculated taking into account linear thermal bridges due to interface with primary structure, punctual thermal bridges due to rainscreen bracket, available zones.
* Cladding fixing and joints position to be coordinated with PMU anchor points
* Face fix for FC cladding and concealed fixing for aluminium rainscreen

Google

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TEL: +44 (0)203 6640200

General Notes

1. The drawing content reflects the design intent only and is not for construction.
2. Read this drawing in conjunction with general architectural plans, structural plans and other related drawings & specifications
3. This drawing should be read in conjunction with the Arup Façade Specification
4. For Finishes and internal fit-out design see Architects Finishes Schedule
5. For Glass information see EOC Specification
6. For Access and Maintenance information see REEF Specification
7. For Thermal performance criteria see MEP Specification
8. For Structure and Movements and Tolerances see AKTII Specification
9. For Acoustic performance see Sandy Brown Specification
10. Do not use for:
    - determining the size or type of any fixing
    - determining the thickness of any material, including glass, insulation or metal sections;
    - determining any section sizes, but transom and mullions profiles dimensions provided are maximum values;
    - determining any set out dimensions
    - determining any tolerance or dimensions to accommodate movements; setting up any cladding contractor drawings
11. All variables regarding building physical and security properties (e.g. sound protection, thermal insulation, fire protection, etc.) in accordance with specifications of facade works.
12. It lies with the responsibility of the contractor to verify all dimensions on site.
13. Do NOT scale from this drawing.
14. Report any discrepancies to the Architect
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REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
TN1		MA	AL	28/05/2020
TN2		MA	AL	09/06/2020

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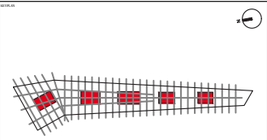


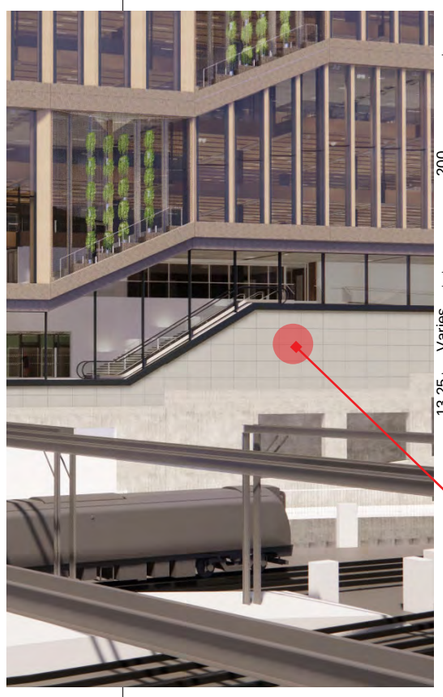
Status: FOR TENDER

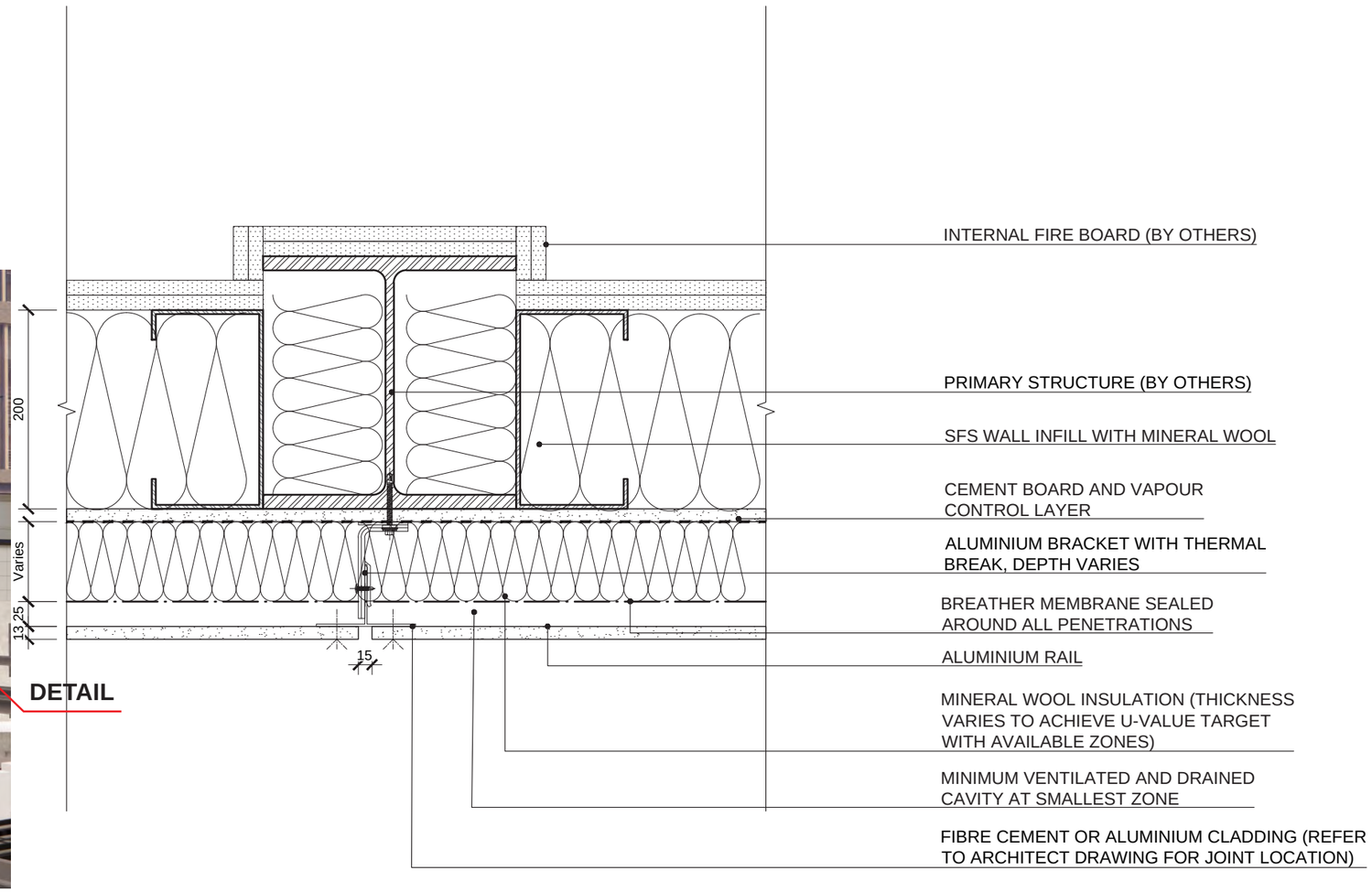
Title: VERTICAL SECTION AT HEAD DETAIL AT PRIMARY STRUCTURE EAST ELEVATION

Date: 28/01/2020
Drawing No.: 249545-00
Scale: 1:5
Size: A3
Drawn: MA
Checked: AL
Drawing No.: KXC-A-001-Y-ARP- 21-50034
Rev: T01

BDP.

Typical Horizontal Section Detail at Interface with Existing Primary Structure - East Elevation





* Overall U-value for the East wall to be calculated taking into account linear thermal bridges due to interface with primary structure, punctual thermal bridges due to rainscreen bracket, available zones.
* Cladding fixing and joints position to be coordinated with PMU anchor points
* Face fix for FC cladding and concealed fixing for aluminium rainscreen

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TEL: +44 (0)203 6640200

General Notes
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2. Read this drawing in conjunction with general architectural plans, structural plans and other related drawings & specifications
3. This drawing should be read in conjunction with the Arup Façade Specification
4. For Finishes and internal fit-out design see Architects Finishes Schedule
5. For Glass information see EOC Specification
6. For Access and Maintenance information see REEF Specification
7. For Thermal performance criteria see MEP Specification
8. For Structure and Movements and Tolerances see AKTII Specification
9. For Acoustic performance see Sandy Brown Specification
10. Do not use for:
- determining the size or type of any fixing
- determining the thickness of any material, including glass, insulation or metal sections;
- determining any section sizes, but transom and mullions profiles dimensions provided are maximum values;
- determining any set out dimensions
- determining any tolerance or dimensions to accommodate movements; setting up any cladding contractor drawings
11. All variables regarding building physical and security properties (e.g. sound protection, thermal insulation, fire protection, etc.) in accordance with specifications of facade works.
12. It lies with the responsibility of the contractor to verify all dimensions on site.
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Title	MA	AL	09/01/2020
REVISION DESCRIPTION	DRAWN	CHECKED	DATE

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13 Fitzroy Street
London W1T 4BQ
Tel. +44 (0)20 7636 1531 Fax. +44 (0)20 7580 3924
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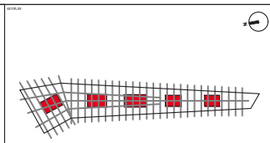


Status: FOR TENDER

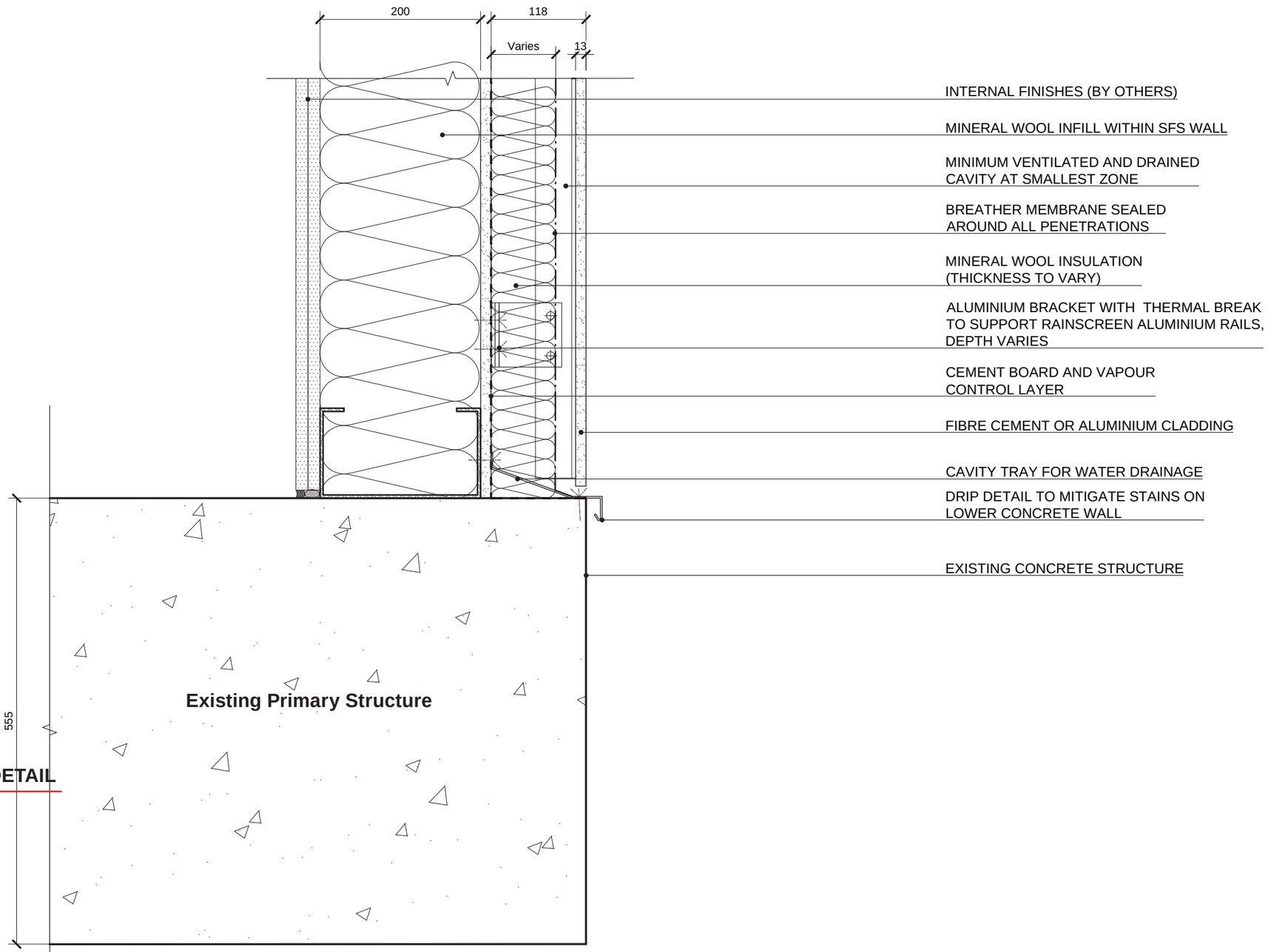
Title: HORIZONTAL SECTION AT INTERFACE WITH PRIMARY STRUCTURE EAST ELEVATION

Date: 09/01/2020
Project No: 249545-00
Scale: 1:5
Size: A3
Drawn: MA
Checked: AL
Rev: T00

Drawing No.: KXC-A-001-Y-ARP- 21-50032

BDP.

Typical Vertical Section Base Detail at Interface with Existing Primary Structure - East Elevation



* Overall U-value for the East wall to be calculated taking into account linear thermal bridges due to interface with primary structure, punctual thermal bridges due to rainscreen bracket, available zones.
* Cladding fixing and joints position to be coordinated with PMU anchor points
* Face fix for FC cladding and concealed fixing for aluminium rainscreen

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REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
Title		MA	AL	09/01/2020

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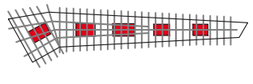


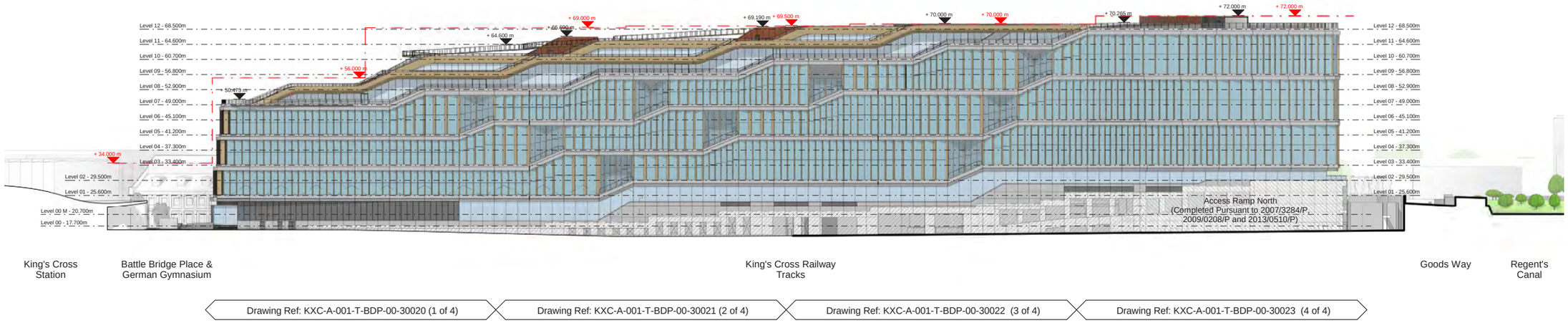
Status: FOR TENDER

Title: VERTICAL SECTION AT BASE DETAIL EAST ELEVATION

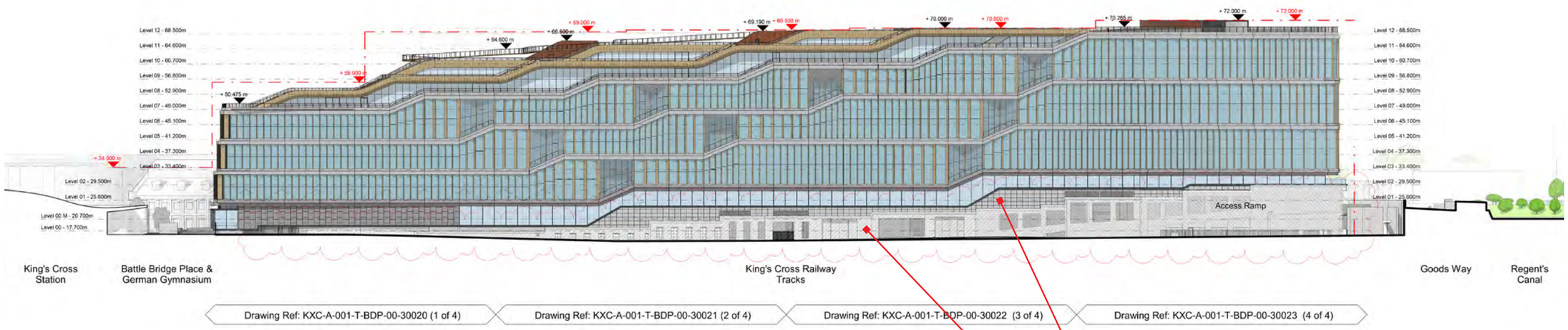
Date: 09/01/2020
Project No.: 249545-00
Scale: 1:5
Paper: A3
Drawn: MA
Checked: AL
Drawing No.: KXC-A-001-Y-ARP- 21-50033
Rev.: T00

BDP.

Planning Drawing of East Elevation - Proposed Design Comparison



Existing Design - Planning Drawing of East Elevation



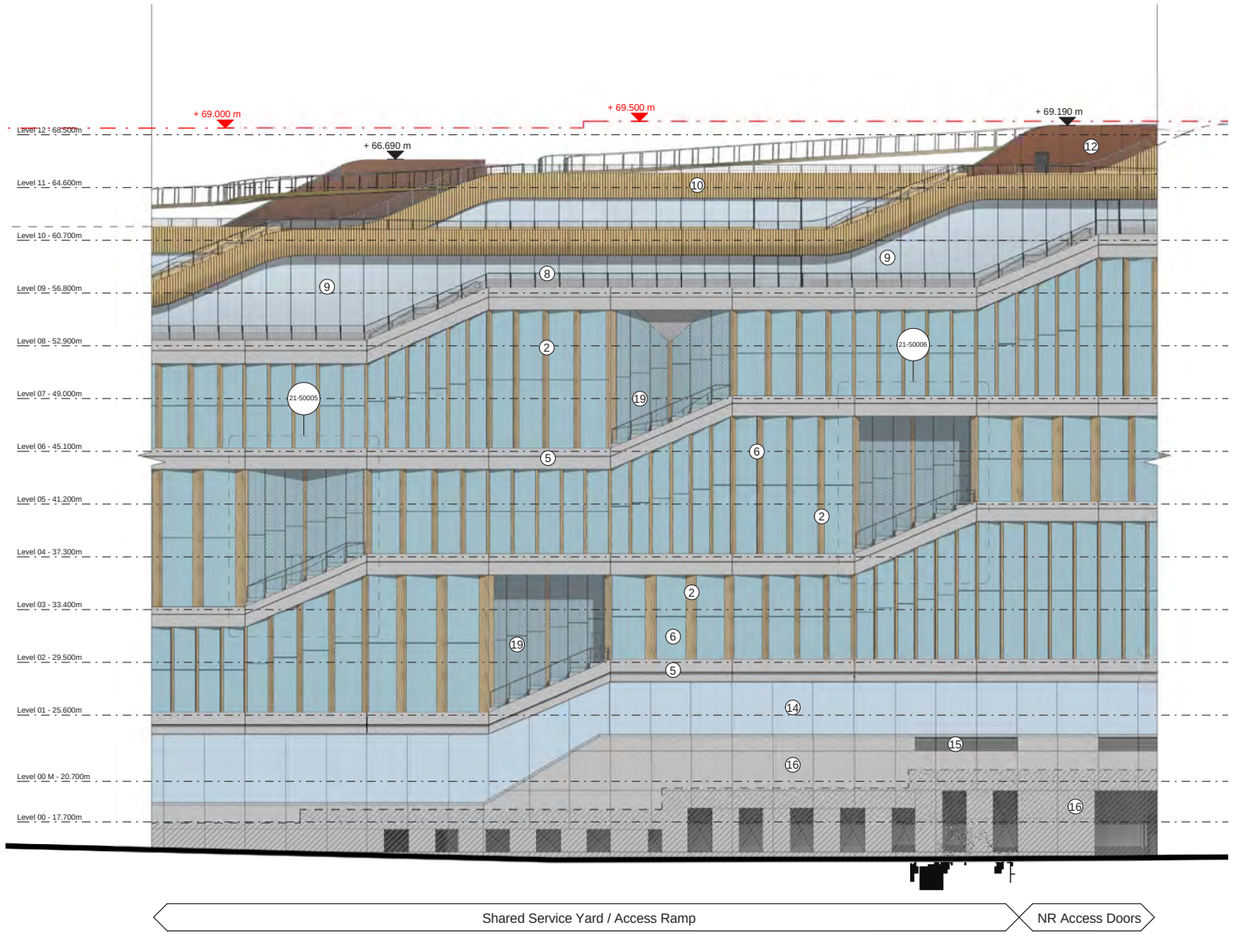
Proposed Design -Planning Drawing of East Elevation

Proposed change of material to GRC Rieder cladding and to be painted (Keim Paint)

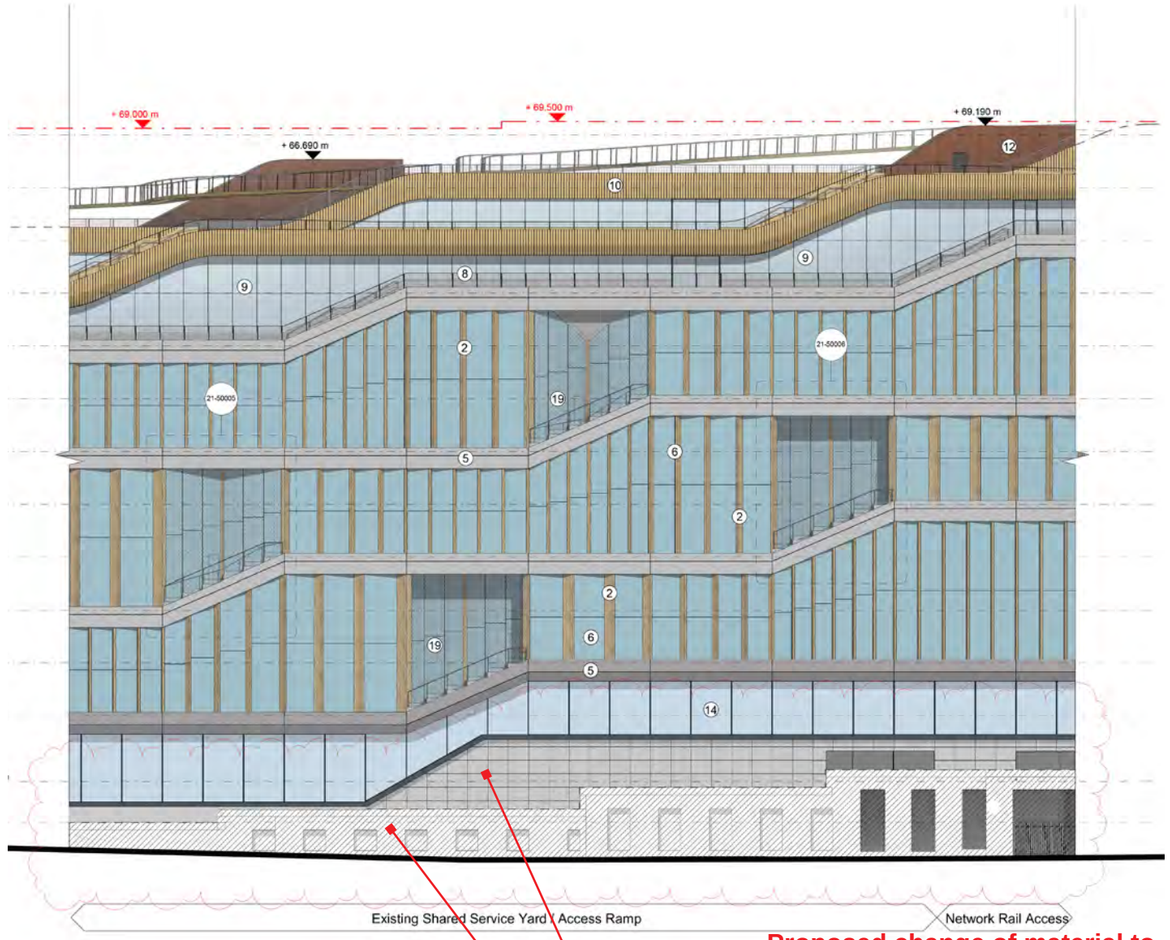
Proposed change of material to painted concrete finish (Keim Paint)

Planning Drawing of East Elevation - Proposed Design Comparison

BDP.



Existing Design - Planning Drawing of Typical Bay to East Elevation



Proposed change of material to GRC Rieder cladding and to be painted (Keim Paint)

Proposed change of material to painted concrete finish (Keim Paint)

Proposed Design -Planning Drawing of Typical Bay to East Elevation

BDP.

Product information

- **Rieder concrete skin (GRC Cladding)**
- **Keim Paint (Concrete paint finish)**

North Cycle Entrance Facade Proposal

BDP.

Product information- Rieder concrete skin (GRC Cladding)

Florentinum Business Office Prag | Czech Republic
Cigler Merani Architects | Prague
5.000 m² fibreC U-formparts & 500 m² fibreC panels | ivory & anthracite
concealed fasting with integrated brackets

Colours and Surfaces - Colour to Match Existing Concrete

FE | Ferro
Sandblasted: blasted at higher pressure, surface is rougher

FL | Ferro Light
Sandblasted: blasted at lower pressure, surface is finer than FE

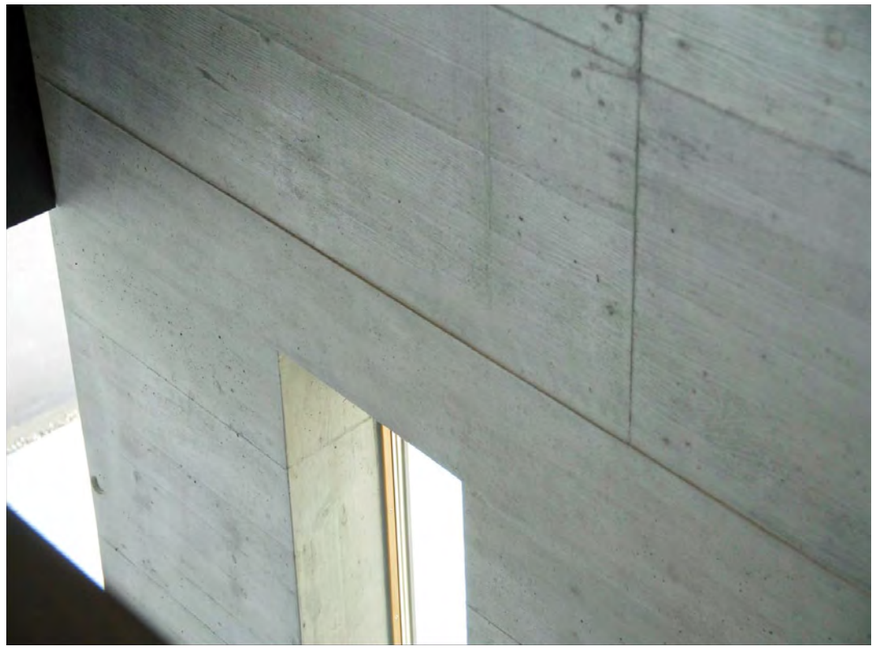
MA | Matt
Brushed, smooth surface, mottled appearance, natural blushing effect

Small air bubbles and porosity are possible: data sheet on exposed concrete 02/2004 (Publ.:BDZ/DBV)

Surfaces Finishes - Finishes to Match Existing

BDP.

Product information- Keim Paint (Concrete paint finish)



After image

Keim Concretal Lasur

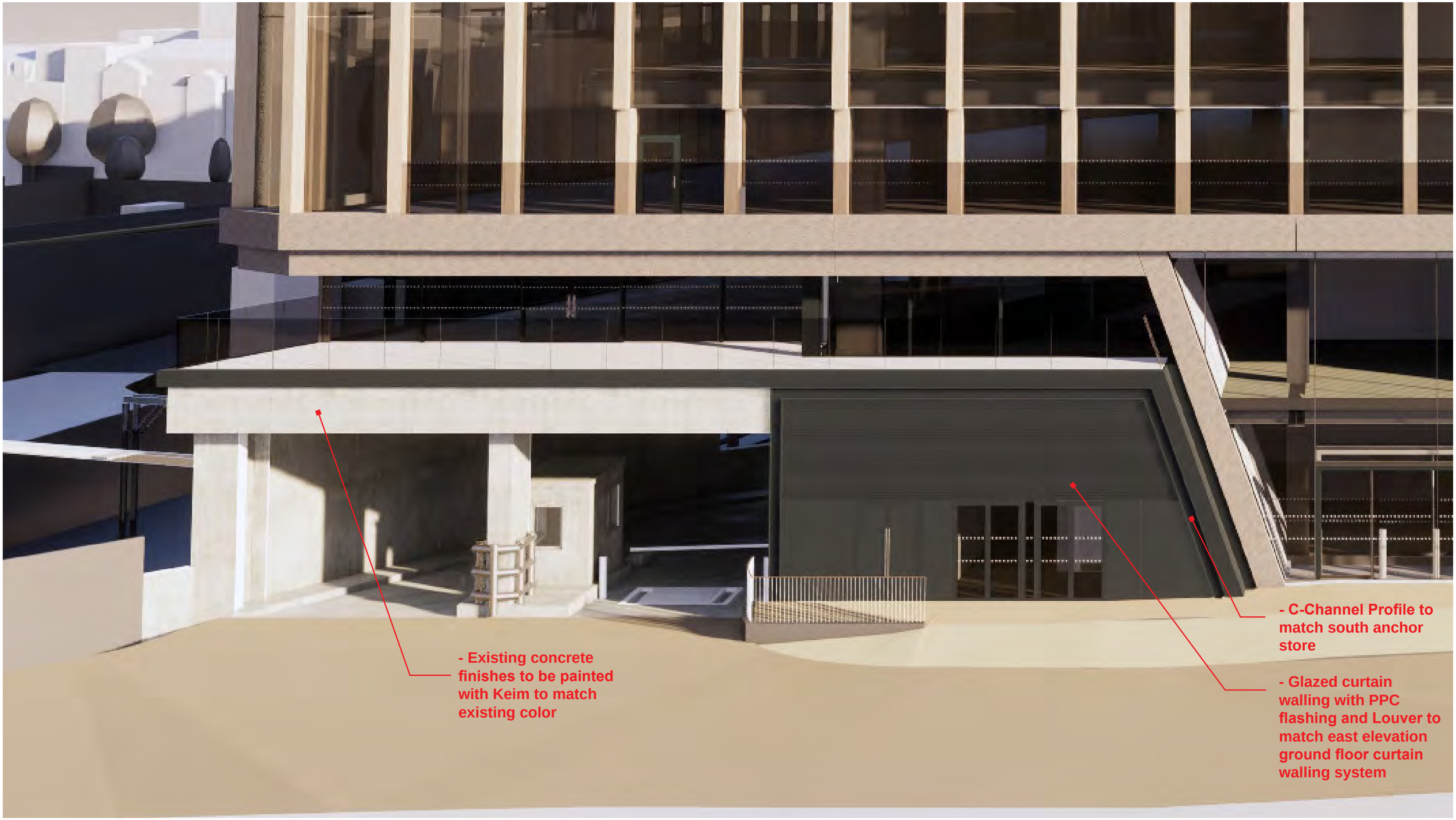
Keim Concretal Lasur is a low pigmentation colour wash available in a wide range of colours and shades. It acts as a stain that penetrates and bonds to the surface of concrete, equalising colour variations whilst maintaining the structure and appearance of concrete.

Before image

Image of Sample test by Keim

BDP.

North Cycle Entrance Facade Proposal 3D Views (Option 1 - BDP Preferred Option)



BDP.

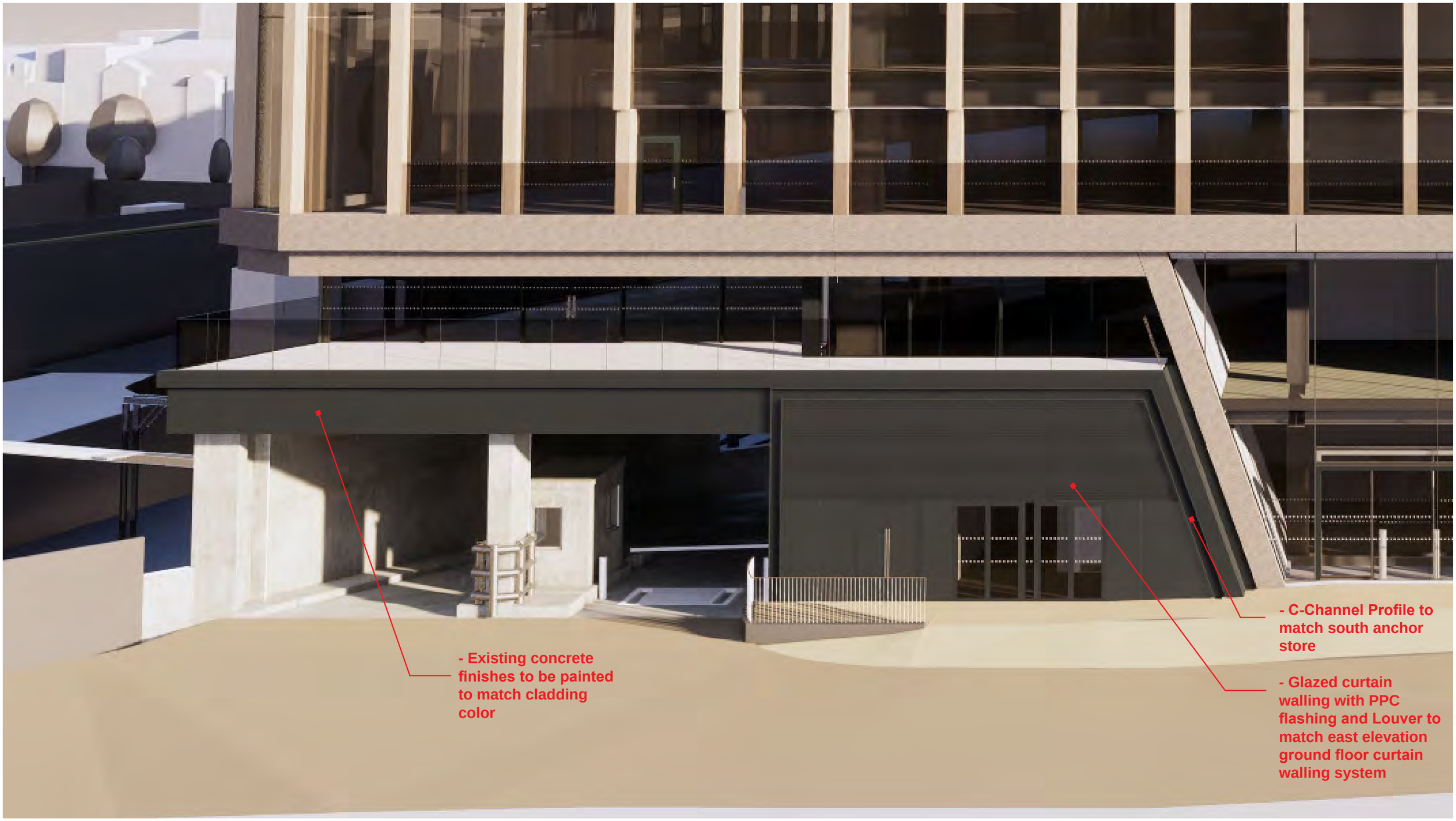
North Cycle Entrance Facade Proposal 3D Views (Option 1 - BDP Preferred Option)

BDP.

North Cycle Entrance Facade Proposal 3D Views (Option 1 - BDP Preferred Option)

BDP.

North Cycle Entrance Facade Proposal 3D Views (Option 2)



BDP.

North Cycle Entrance Facade Proposal 3D Views (Option 2)

BDP.

North Cycle Entrance Facade Proposal 3D Views (Option 2)