P21-024 Calder Park

Drawing Register: Cauntons

Works Completed: Structural Steelwork

Drawing No.	Drawing Title	Rev
P21024-CEL-U1-XX-DR-X-0001	Column Location Plan	AB-01
P21024-CEL-U1-XX-DR-X-0002	Foundation Plan sheet 1 of 2	AB-01
P21024-CEL-U1-XX-DR-X-0003	Foundation Plan sheet 2 of 2	AB-01
P21024-CEL-U1-XX-DR-X-0004	Base Plates Details	AB-01
P21024-CEL-U1-XX-DR-X-0005	Section on Grid line 25	AB-01
P21024-CEL-U1-XX-DR-X-0006	Section on Grid line 24	AB-01
P21024-CEL-U1-XX-DR-X-0007	Section on Grid line R	AB-01
P21024-CEL-U1-XX-DR-X-0008	Warehouse Roof Plan	AB-01
P21024-CEL-U1-XX-DR-X-0009	Office Floor Plans	AB-01
P21024-CEL-U1-XX-DR-X-0010	Elevation on Grid line A	AB-01
P21024-CEL-U1-XX-DR-X-0011	Elevation on Grid line W	AB-01
P21024-CEL-U1-XX-DR-X-0012	Elevation on Grid line 3	AB-01
P21024-CEL-U1-XX-DR-X-0013	Elevation on Grid line 29	AB-01
P21024-CEL-U1-XX-DR-X-0014	Main Office Elevations	AB-01
P21024-CEL-U1-XX-DR-X-0015	Hub Office Plan and Elevations	AB-01
P21024-CEL-U1-XX-DR-X-0016	Office Roof Plans	AB-01
P21024-CEL-U1-XX-DR-X-0017	Door and Window Details	AB-01
P21024-CEL-U1-XX-DR-X-0018	Stair Details	AB-01

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General Notes

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Project Notes

1. Caunton Engineering is not the principal des*** for this project.
2. The Principal Designer for this project has responsibility for approving this drawing.
3. The steel frame shown on this drawing has been designed to BS:5950.
4. The steel frame shown on this drawing will be erected in accordance with the tolerances specified in the current NSSS (National Structural Steelwork Specification)
5. Any queries relating to information on this drawing are to be referred, in the first instance to the Principal Designer.
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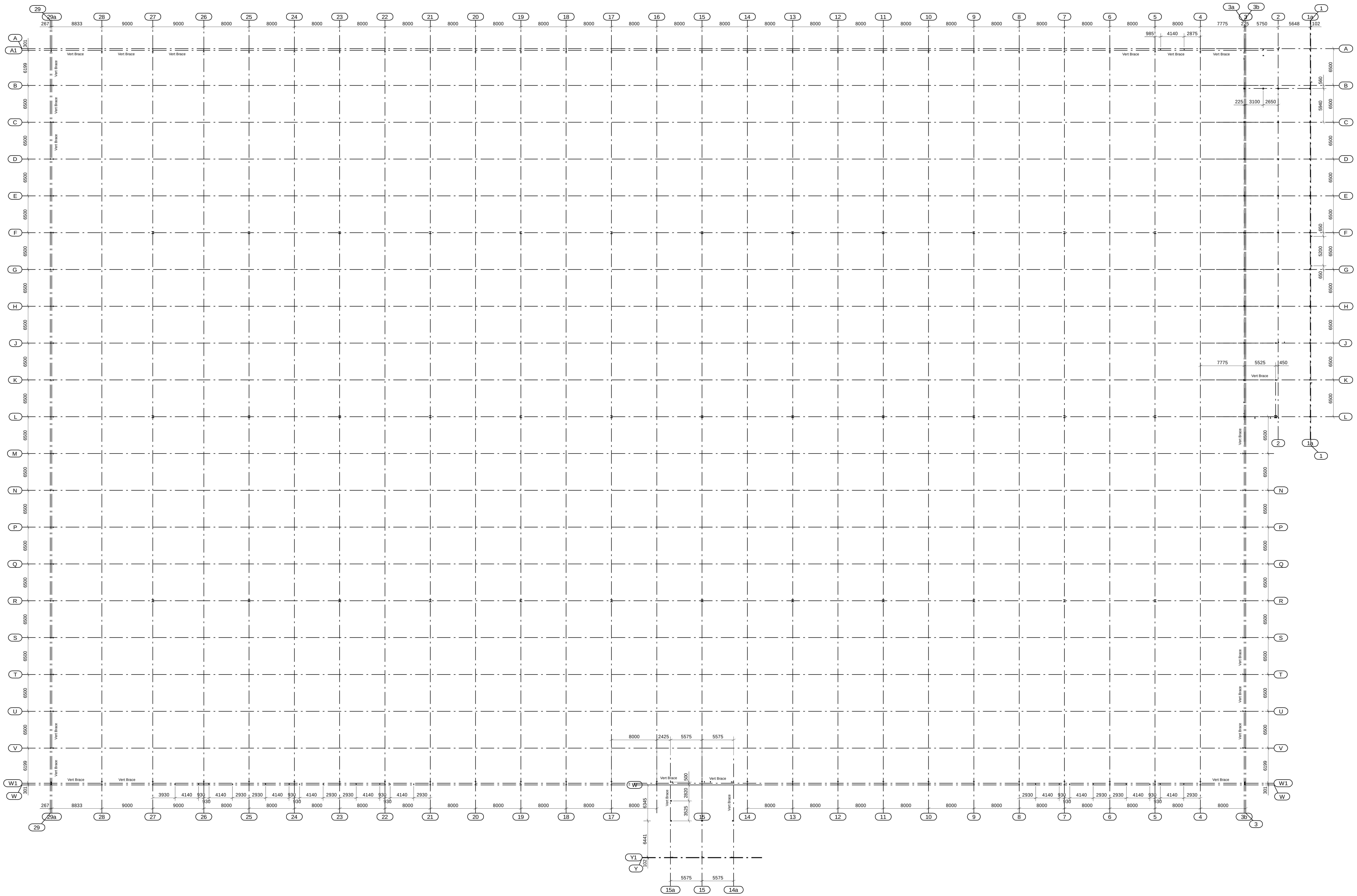


Column Location Plan

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P01	Preliminary Issue	14.07.2021

STATUS : APPROVAL ISSUE

Caunton Engineering Limited
Moorgreen Industrial Park
Moorgreen, Nottingham. NG16 3QU
TEL: 01773-531111 FAX: 01773-532020
www.caunton.co.uk
Tech E-Mail: drawing@caunton.co.uk

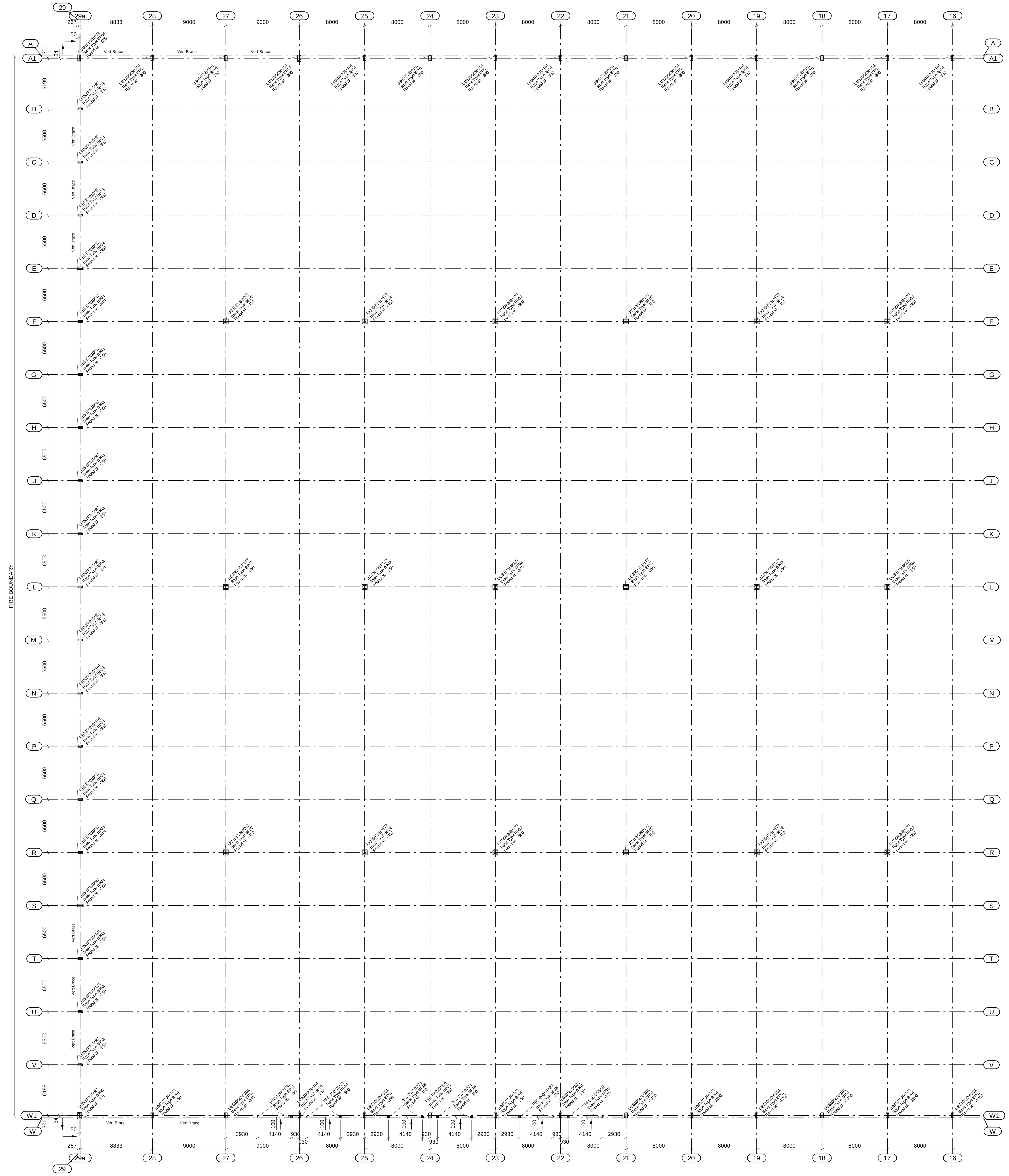
Client
Winvic Construction Ltd.

Project Description
Calder Park

Site Address
Wakefield

Drawing Title
Column Location Plan

Scale: 1:250	CEL Job No.: 21009
Drawn by: MatrixCAD; Project Type: Design & Build	Date Created: 14.07.2021
Designed Reviewed by:	Date Reviewed:
Project / Company / Volume / Level / Type / Role / Drawing No.: P21024-CEL-U1-XX-DR-X-0001	Revision: AB01



Foundation Plan

IF IN DOUBT - ASK!

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Foundation Notes

Setting out and Tolerances

1. All grid lines and datum levels are to be established and maintained throughout the steel frame erection period by the Principal Contractor.
2. Only Caunton Engineering drawings should be used to set out holding down bolts and washer plates.
3. The setting out tolerances for all holding down bolts and cast foundation levels is to be in accordance with Section 9.1 of the NSSS.
4. If post drilled resin or mechanical anchors are shown on the drawings they are to be installed strictly in accordance with the manufacturers' instructions.

Construction Sequence

5. All holding down bolts, resin/mechanical anchors and washer plates shown on Caunton Engineering drawings are supplied and delivered to site by Caunton Engineering.
6. If post drilled resin or mechanical anchors are shown on the drawings and are to be installed before steel erection starts they will be delivered to site with the holding down bolts.
7. Marking out and drilling of concrete for resin or mechanical anchors is to be by others.
8. Holding down bolts are strength grade 8.8
9. Conical bolt tubes must be placed around each H.D. bolt to form a pocket that will allow full rotational movement of the bolt at the top of the pocket. These are not supplied by Caunton Engineering.
10. All holding down bolts, washer flats and tubes should be placed in the required position before concrete is poured.
11. All threads to be thoroughly greased and protected before concrete is poured.
12. All foundations must have a smooth and level surface onto which steel packing plates can be placed when steel erection starts.
13. Every holding down bolt must be able to move in the pocket so they should be checked and if necessary shaken after concrete is poured and before it hardens.
14. Pockets must be kept clear of debris to ensure holding down bolts can move.
15. All timber templates used to cast the foundations are to be removed by the Principal Contractor or groundworks contractor prior to steel erection starting.
16. If polystyrene bolt tubes are used they must be removed by the Principal Contractor or groundworks contractor prior to steel erection starting.

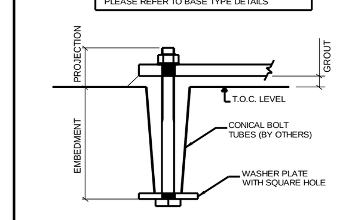
Damage to Holding Down Bolts

17. If any holding down bolt is damaged after installation the Principal Contractor must report the matter to Caunton Engineering.
18. If a grade 8.8 holding down bolt is bent after installation no attempt should be made to straighten it as this may lead to the bolt fracturing.

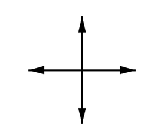
Grouting of Bases

19. The organisation responsible for designing foundations is also responsible for specifying the product to be used to grout the holding down bolts and underside of column bases.
20. After the structure has been lined, levelled & plumbed by Caunton Engineering, to the tolerances stated in Section 9.6 of the NSSS, it will be handed over to the Principal Contractor for final checking and grouting.
21. All columns must be grouted within 24 hours of being handed over. Caunton Engineering is not responsible for grouting of columns.

FOR ALL INFORMATION & DIMENSIONS PLEASE REFER TO BASE TYPE DETAILS



TYPICAL H.D. BOLT DETAIL



Denotes direction of column offset from grid

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Base Types and Sub Grids added.	01.09.2021
P01	Preliminary Issue	14.07.2021

STATUS : APPROVAL ISSUE

caunton ENGINEERING

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Moorgreen Industrial Park
Moorgreen, Nottingham. NG16 3QU
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Tech E-Mail: drawing@caunton.co.uk

Client: Winvic Construction Ltd.

Project Description: Calder Park

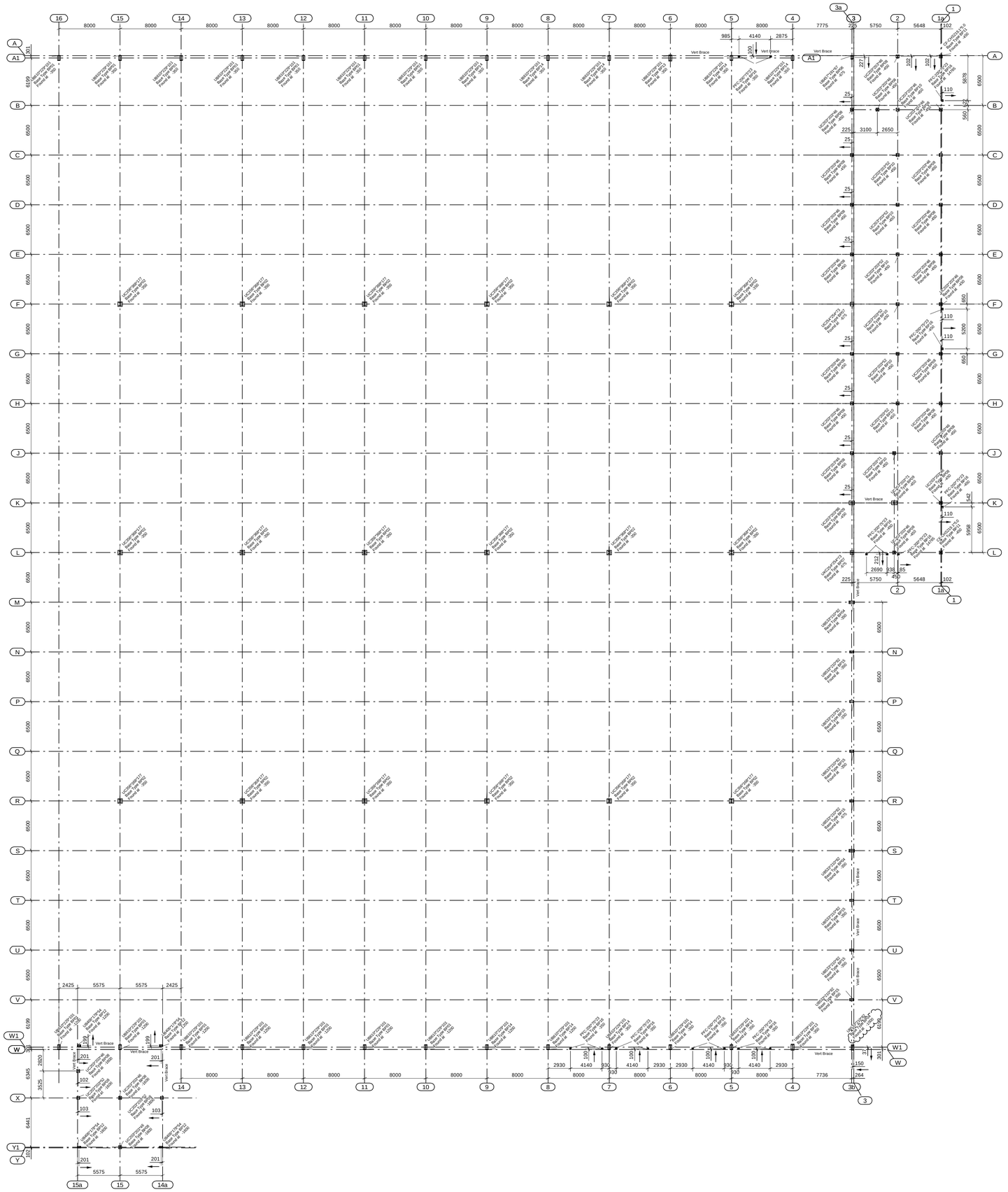
Site Address: Wakefield

Drawing Title: Foundation Plan sheet 1 of 2

Scale		CEL Job No.
1:200		21009
Drawn by: MatrixCAD	Project Type: Design & Build	Date Created: 14.07.2021
Designed Reviewed by		Date Reviewed

Project / Company / Volume / Level / Type / Role / Drawing No.: P21024-CEL-U1-XX-DR-X-0002

Revision: AB01



Foundation Plan

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PLEASE REFER TO BASE TYPE DETAILS

TYPICAL H.D. BOLT DETAIL

Denotes direction of column offset from grid

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C01	Construction Issue	13.10.2021
P02	Base Types and Sub Grids added.	01.09.2021
P01	Preliminary Issue	14.07.2021

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Tech E-Mail: drawing@caunton.co.uk

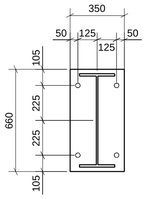
Client
Winvic Construction Ltd.

Project Description
Calder Park

Site Address
Wakefield

Drawing Title
Foundation Plan sheet 2 of 2

Scale 1:200		CEL Job No. 21009
Drawn by MatrixCAD	Project Type Design & Build	Date Created 14.07.2021
Designed Reviewed by		Date Reviewed
Project Company Volume Level Type Role Drawing No. P21024-CEL-U1-XX-DR-X-0003		Revision AB01



Base Type BP01

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HD Bolt Qty 4
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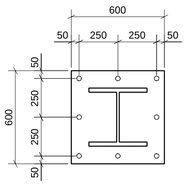
Base plate 350x660x20mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²



Base Type BP02

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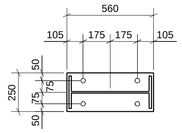
Bolt size M24x450 Gr 8.8
HD Bolt Qty 8
Embedment 350mm
Projection 100mm
Base plate 600x600x30mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²



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HD Bolt Qty 4
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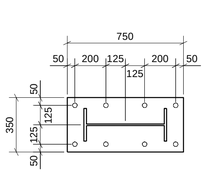
Projection 100mm
Base plate 250x560x15mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²



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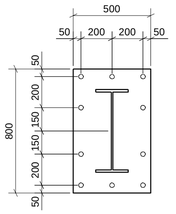
Grout 25mm non shrink
35 N/mm²



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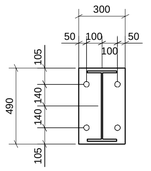
35 N/mm²



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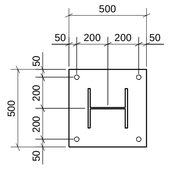
Base plate 300x490x20mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²



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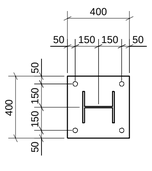
Grout 25mm non shrink
35 N/mm²



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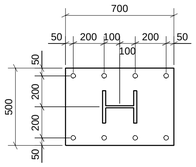
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²



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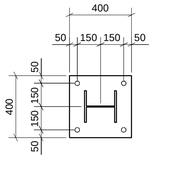
35 N/mm²



Base Type BP10

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HD Bolt Qty 4
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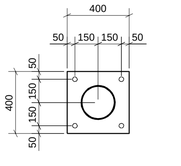
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²



Base Type BP11

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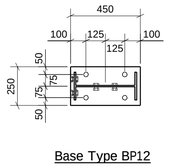
35 N/mm²



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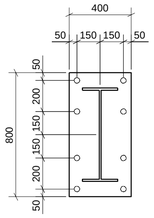
Grout 25mm non shrink
35 N/mm²



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Projection 125mm
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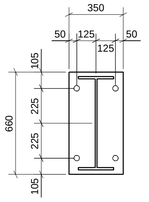
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²



Base Type BP14

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HD Bolt Qty 4
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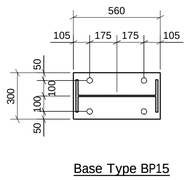
35 N/mm²



Base Type BP15

533x210x82,92 UB
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HD Bolt Qty 4
Embedment 475mm
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Base plate 300x560x15mm
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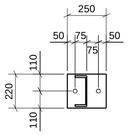
35 N/mm²



Base Type BP16

200x75 PFC
HD Bolt type SQ SQ O X
Bolt size M20x300 Gr 8.8
HD Bolt Qty 4
Embedment 200mm
Projection 100mm
Base plate 220x250x15mm
Washer plate 100Sq x 15 thk
Weld see calc sheet
Grout 25mm non shrink
35 N/mm²

IF IN DOUBT - ASK!
No copies to be taken without the permission of Caunton Engineering.

A1

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Foundation Notes

Setting out and Tolerances

1. All grid lines and datum levels are to be established and maintained throughout the steel frame erection period by the Principal Contractor.
2. Only Caunton Engineering drawings should be used to set out holding down bolts and washer plates.
3. The setting out tolerances for all holding down bolts and cast foundation levels is to be in accordance with Section 9.1 of the NSSS.
4. If post drilled resin or mechanical anchors are shown on the drawings they are to be installed strictly in accordance with the manufacturers' instructions.

Construction Sequence

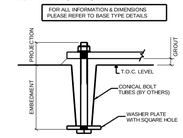
5. All holding down bolts, resin/mechanical anchors and washer plates shown on Caunton Engineering drawings are supplied and delivered to site by Caunton Engineering.
6. If post drilled resin or mechanical anchors are shown on the drawings and are to be installed before steel erection starts they will be delivered to site with the holding down bolts.
7. Marking out and drilling of concrete for resin or mechanical anchors is to be by others.
8. Holding down bolts are strength grade 8.8
9. Conical bolt tubes must be placed around each H.D. bolt to form a pocket that will allow full rotational movement of the bolt at the top of the pocket. These are not supplied by Caunton Engineering.
10. All holding down bolts, washer flats and tubes should be placed in the required position before concrete is poured.
11. All threads to be thoroughly greased and protected before concrete is poured.
12. All foundations must have a smooth and level surface onto which steel packing plates can be placed when steel erection starts.
13. Every holding down bolt must be able to move in the pocket so they should be checked and if necessary shaken after concrete is poured and before it hardens.
14. Pockets must be kept clear of debris to ensure holding down bolts can move.
15. All timber templates used to cast the foundations are to be removed by the Principal Contractor or groundworks contractor prior to steel erection starting.
16. If polystyrene bolt tubes are used they must be removed by the Principal Contractor or groundworks contractor prior to steel erection starting.

Damage to Holding Down Bolts

17. If any holding down bolt is damaged after installation the Principal Contractor must report the matter to Caunton Engineering.
18. If a grade 8.8 holding down bolt is bent after installation no attempt should be made to straighten it as this may lead to the bolt fracturing.

Grouting of Bases

19. The organisation responsible for designing foundations is also responsible for specifying the product to be used to grout the holding down bolts and underside of column bases.
20. After the structure has been lined, levelled & plumbed by Caunton Engineering, to the tolerances stated in Section 9.6 of the NSSS, it will be handed over to the Principal Contractor for final checking and grouting.
21. All columns must be grouted within 24 hours of being handed over. Caunton Engineering is not responsible for grouting of columns.



TYPICAL H.D. BOLT DETAIL

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P01	Preliminary Issue	01.09.2021

STATUS : APPROVAL ISSUE

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Caunton Engineering Limited
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TEL: 01773-531111 FAX: 01773-532020
Tech E-Mail: drawing@caunton.co.uk

Client: Winvic Construction Ltd.

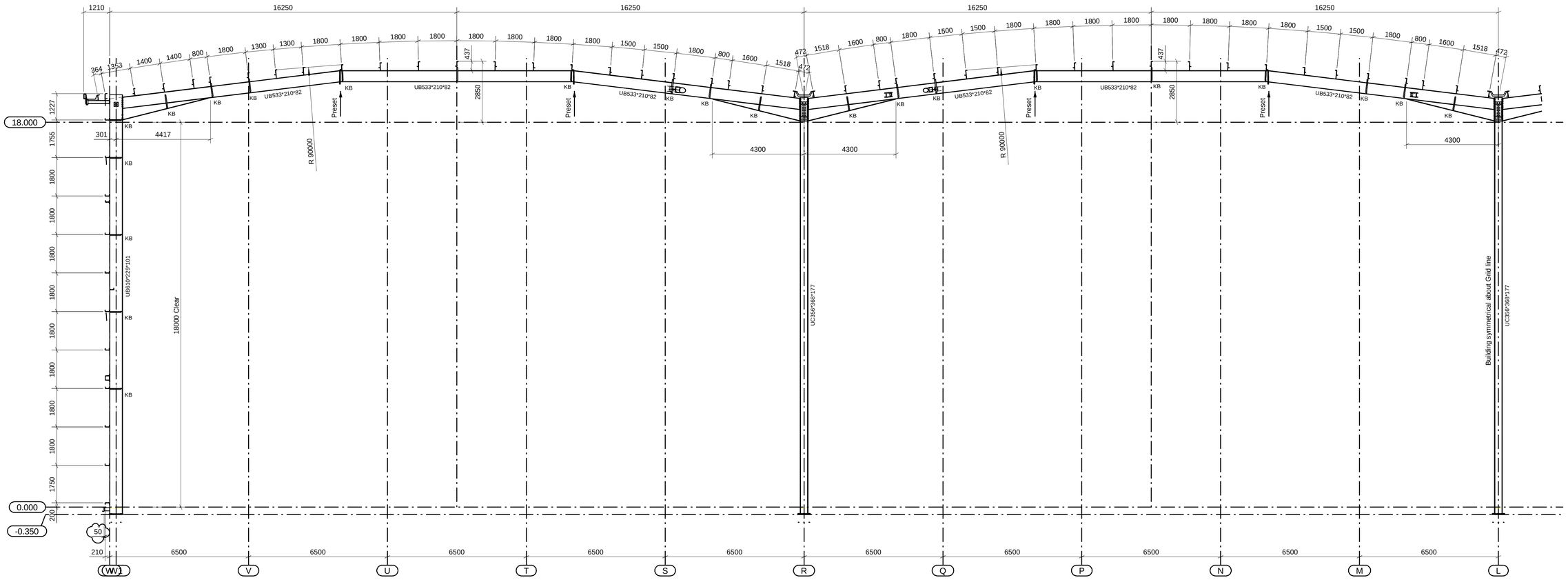
Project Description: Calder Park

Site Address: Wakefield

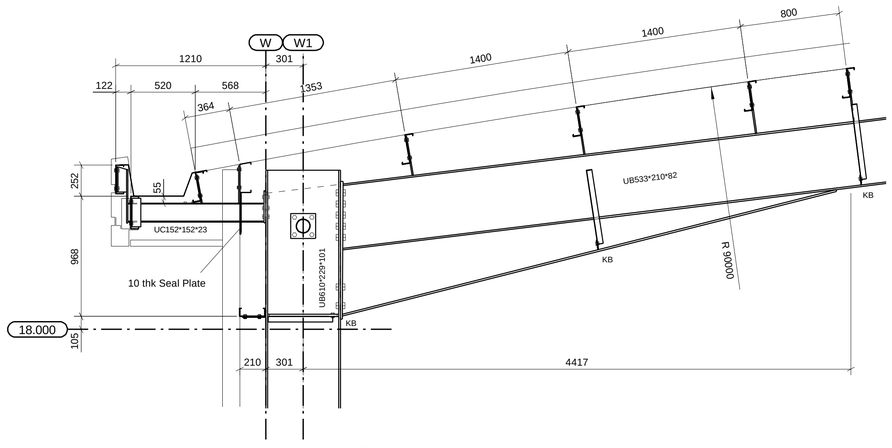
Drawing Title: Base Plates Details

Scale		CEL Job No.
1:20 1:200		21009
Drawn By: MatrixCAD	Project Type: Design & Build	Date Created: 31.08.2021
Designed Reviewed by		Date Reviewed

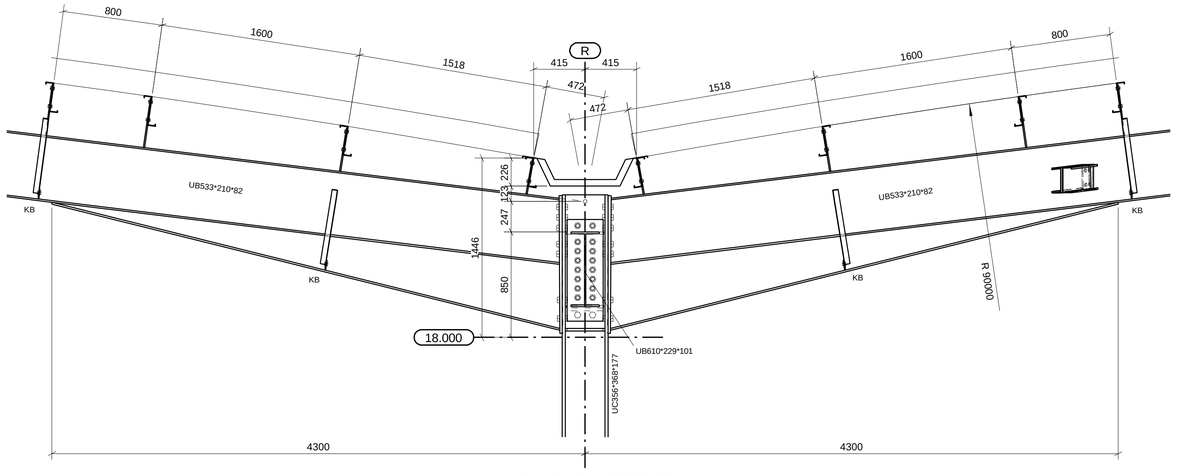
Filename: P21024-CEL-U1-XX-DR-X-0004 | Revision: AB01



Section on Grid line 25



Eaves detail on Grid line 24



Valley detail on Grid line R

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A1

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REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P01	Preliminary Issue	12.07.2021

STATUS : APPROVAL ISSUE

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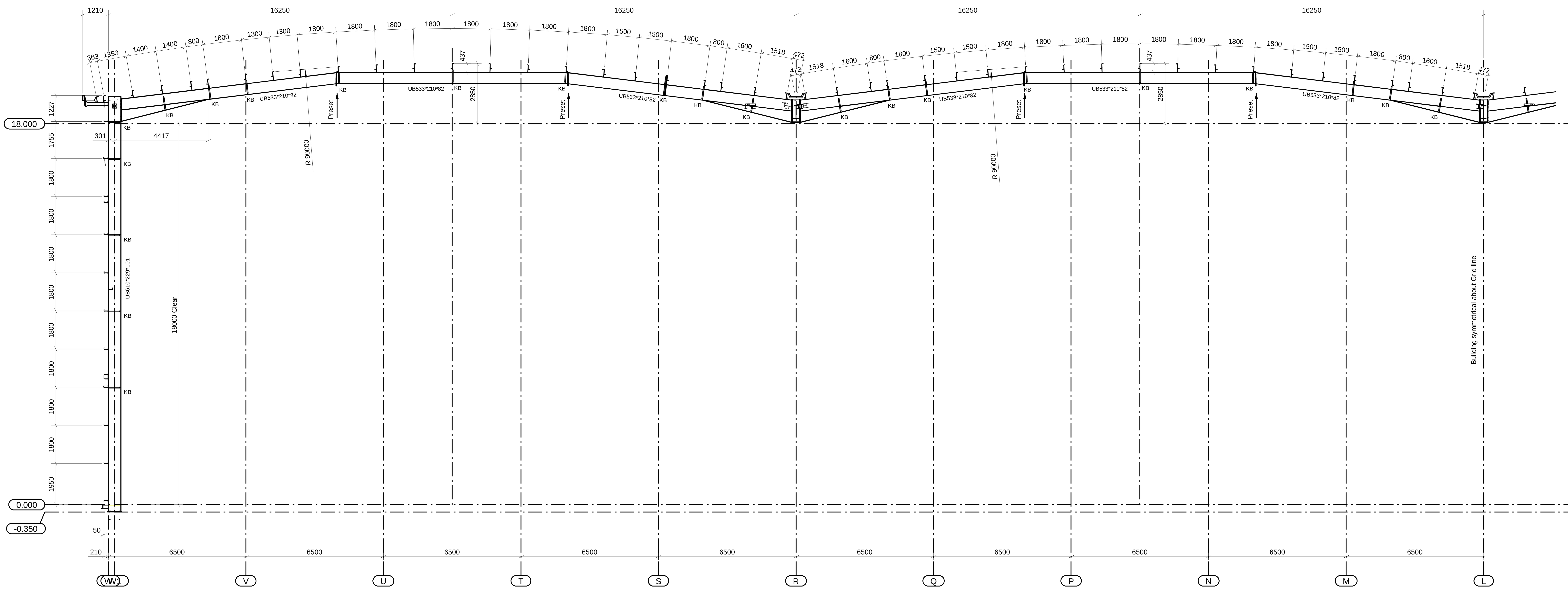
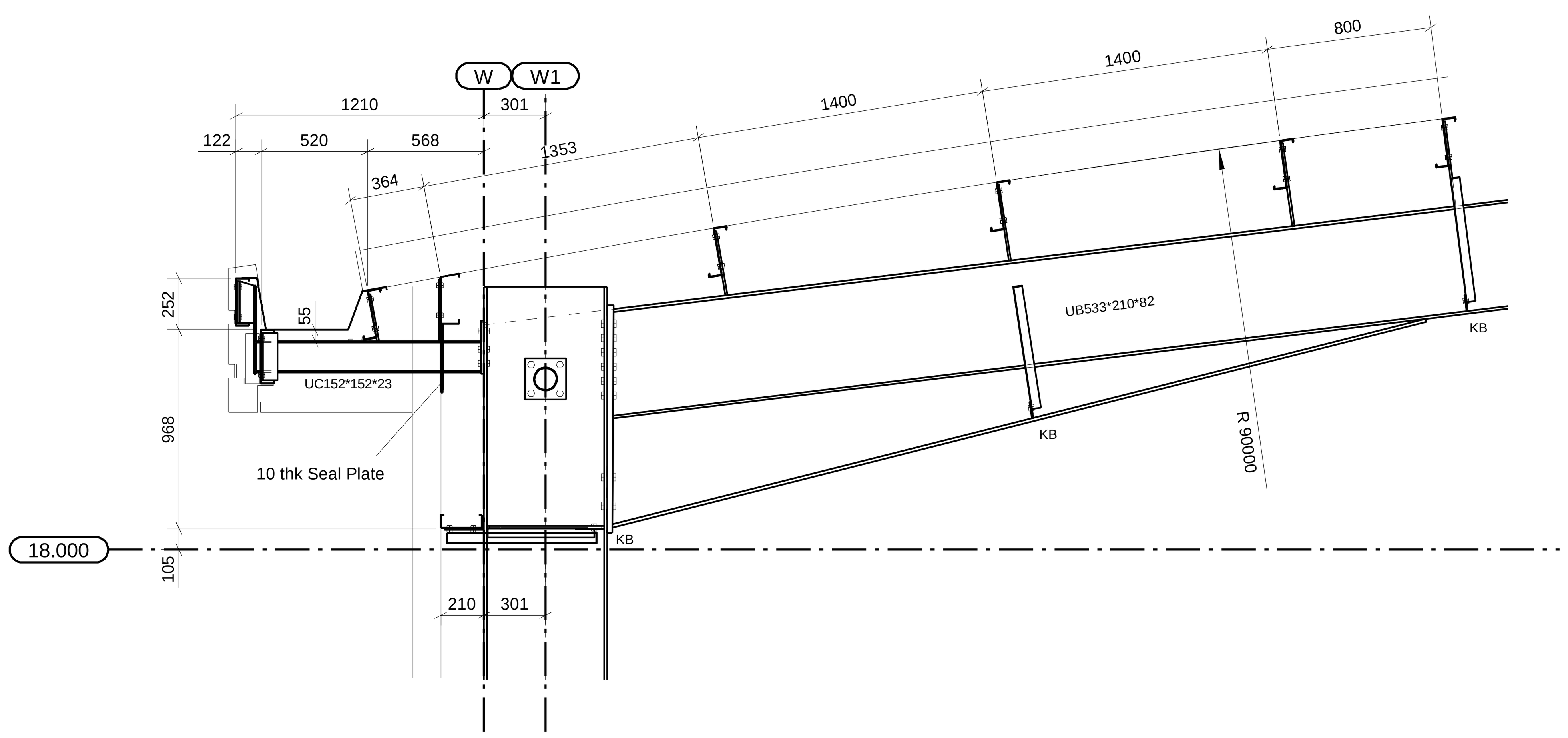
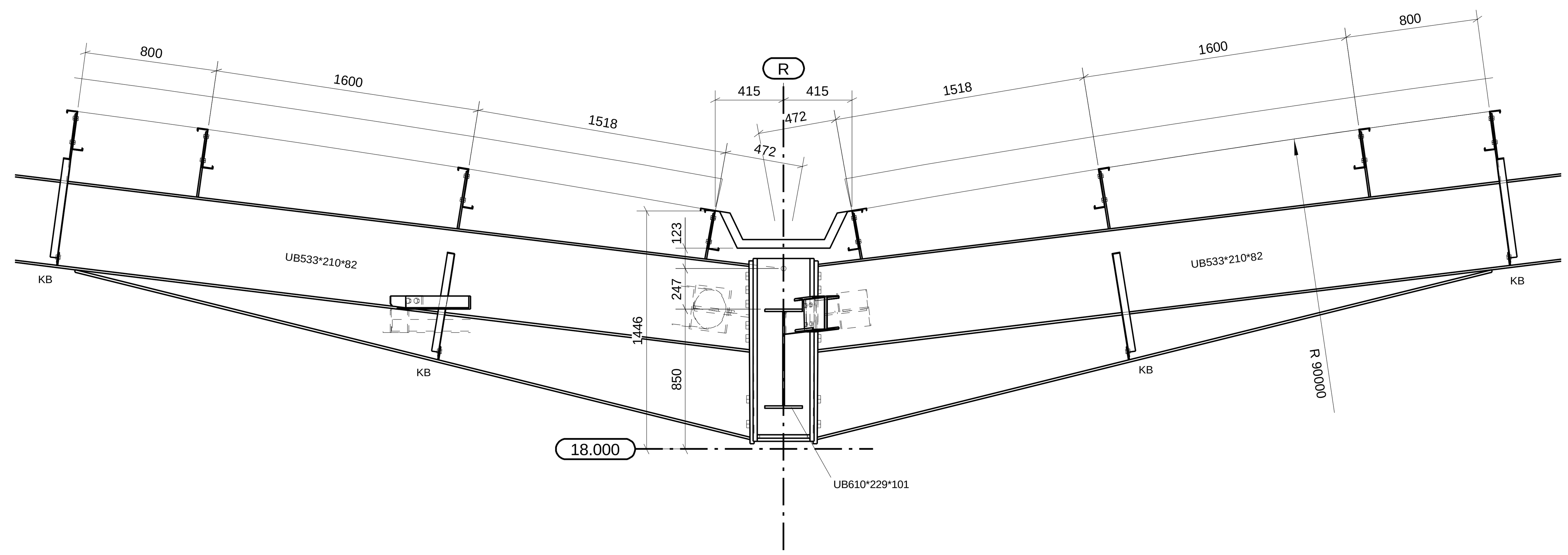
Client	Wrtvic Construction Ltd.
Project Description	Calder Park
Site Address	Wakefield
Drawing Title	Section on Grid line 25
Scale	1:25 1:100
CEL Job No.	21009
Drawn by	MatrixCAD
Project Type	Design & Build
Date Created	08.07.2021
Designed Reviewed by	
Date Reviewed	
Name	P21024-CEL-U1-XX-DR-X-0005
Revision	AB01



Section on Grid line 24



Eaves detail on Grid line W



Valley detail on Grid line R

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AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P01	Preliminary Issue	22.07.2021
REV. MARK	REVISION DESCRIPTION	REV. DATE

STATUS : APPROVAL ISSUE

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www.caunton.co.uk
Tech E-Mail: drawing@caunton.co.uk

Client
Winvic Construction Ltd.

Project Description
Calder Park

Site Address
Wakefield

Drawing Title
Section on Grid line 24

Scale: 1:25 1:100		CEL Job No.: 21009
Drawn by: MatrixCAD	Project Type: Design & Build	Date Created: 21.07.2021
Designed Reviewed by:		Date Reviewed:

Project Company Volume Level Type Role Drawing No.
P21024-CEL-U1-XX-DR-X-0006

Revision
AB01

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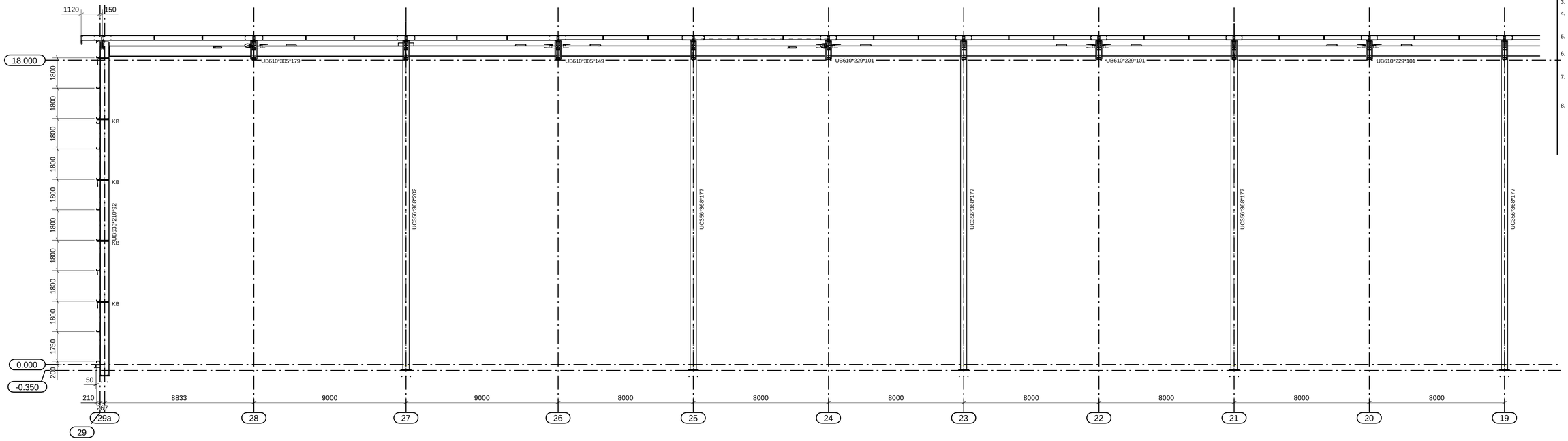
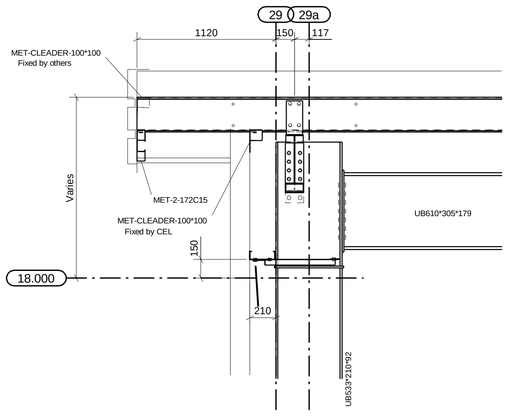
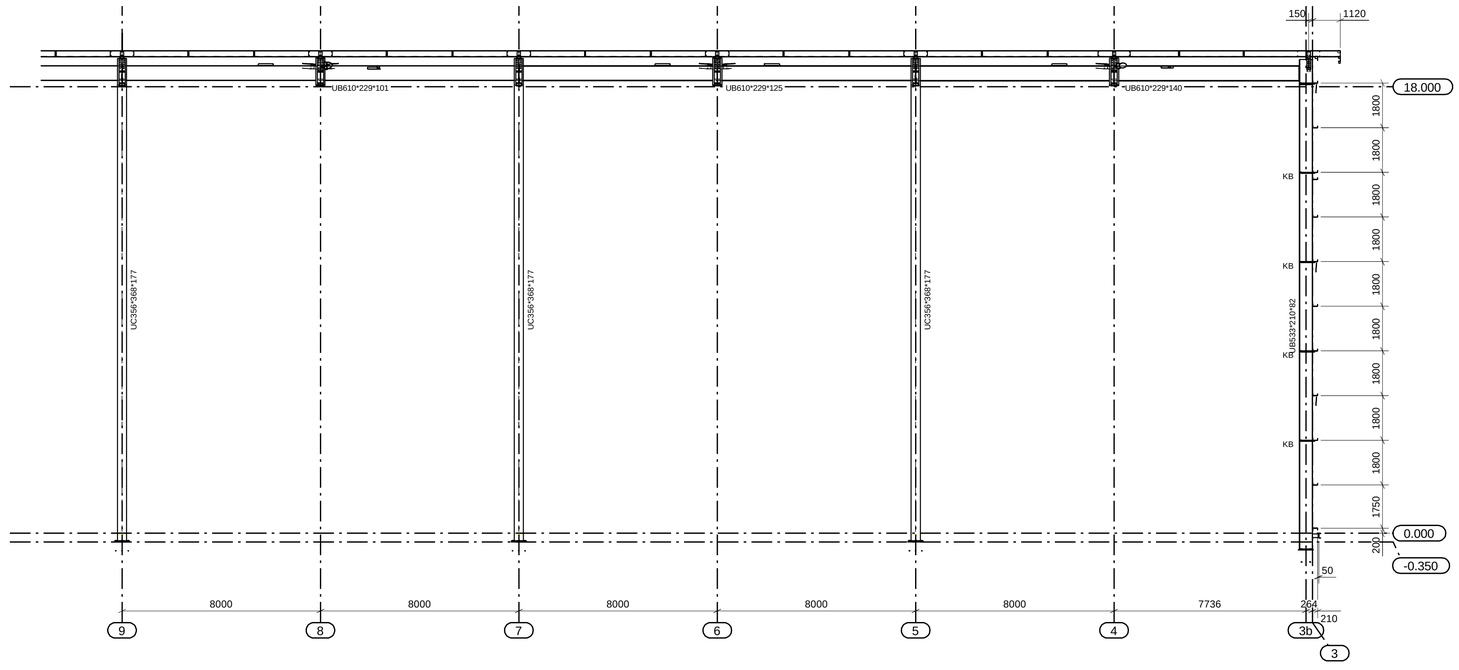


Section on Grid line R



Verge detail on Grid line 29



Section on Grid line R

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P01	Preliminary Issue	22.07.2021

STATUS : APPROVAL ISSUE

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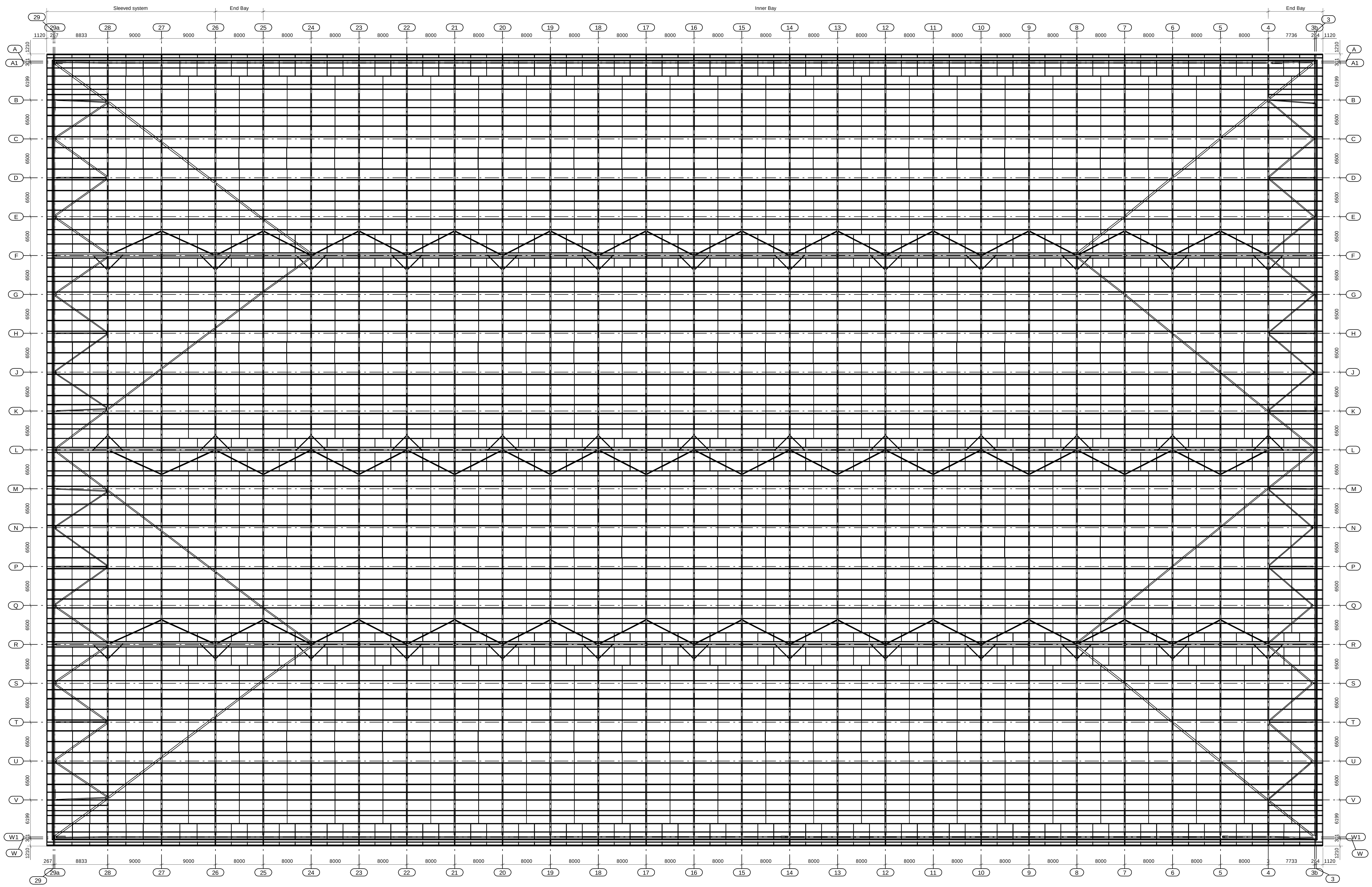
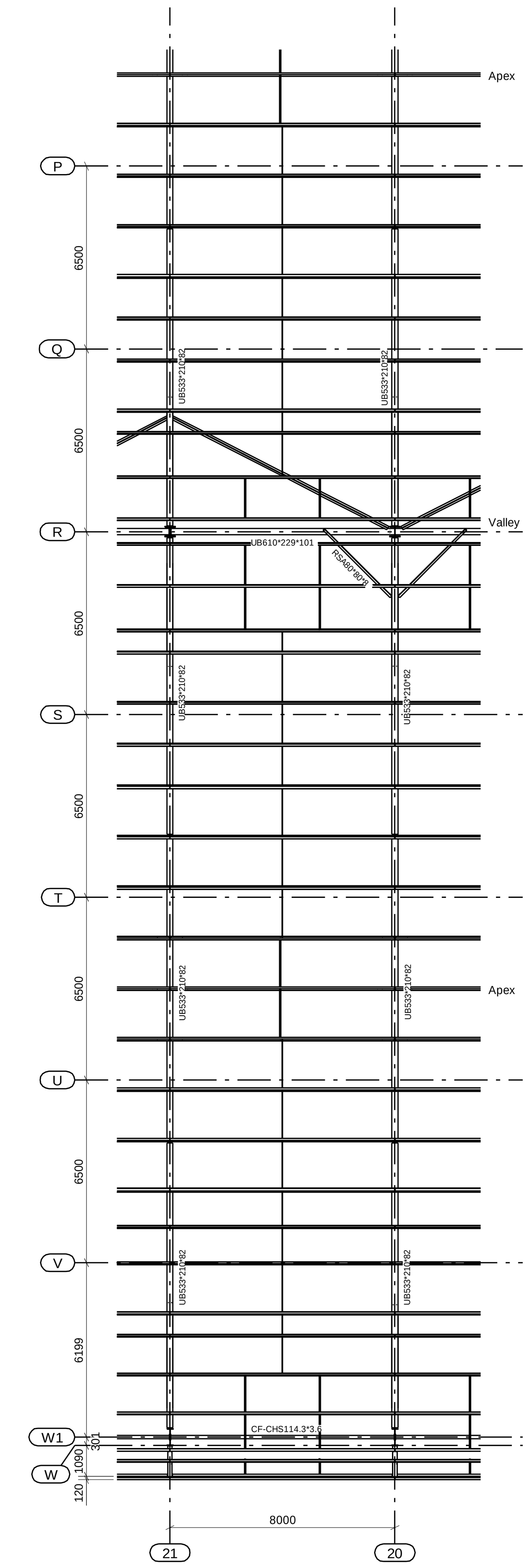
Caunton Engineering Limited
Moorgreen Industrial Park
Moorgreen, Nottingham. NG16 3QU
TEL: 01773-531111 FAX: 01773-532020
Tech E-Mail: drawing@caunton.co.uk

Client	Winvic Construction Ltd.
Project Description	Calder Park
Site Address	Wakefield
Drawing Title	Section on Grid line R
Scale	1:25 1:125
CEL Job No.	21009
Drawn by	MatrixCAD
Project Type	Design & Build
Date Created	19.07.2021
Designed /Reviewed by	
Date Reviewed	
Drawing No.	P21024-CEL-U1-XX-DR-X-0007
Revision	AB01



Warehouse Roof Plan



Warehouse Roof Plan

Unless Otherwise Stated :

Portal Rafters - 533x210x82 UB
Gable Rafteres - 406x139x40 UB
Valley Beams - 610x229x101 UB
Eaves Tie - 114.3x3.6 CHS-CF
Roof Brace - 114.3x3.6 CHS-CF
Sway Brace - MET-2-202C23 x 2
Valley Brace - 80x80x8 RSA

PURLIN SPEC

Metsec Heavy End Bay system
OUS Purlins Metsec
End Bay - 232Z23
Inner Bay - 232Z15
PT = Purlin tie
DPB = Diagonal pulin brace
EB = Eaves brace
SRS = Side rail support
AS = Apex Strut
UPEB = Under purlin eaves brace

Cleader angle 100x100 supplied by Caunton fitted by others

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REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Purlins added	11.08.2021
P01	Preliminary Issue	22.07.2021

STATUS : APPROVAL ISSUE

Caunton Engineering Limited
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Moorgreen, Nottingham. NG16 3QU
TEL: 01773-531111 FAX: 01773-532020
www.caunton.co.uk
Tech E-Mail: drawing@caunton.co.uk

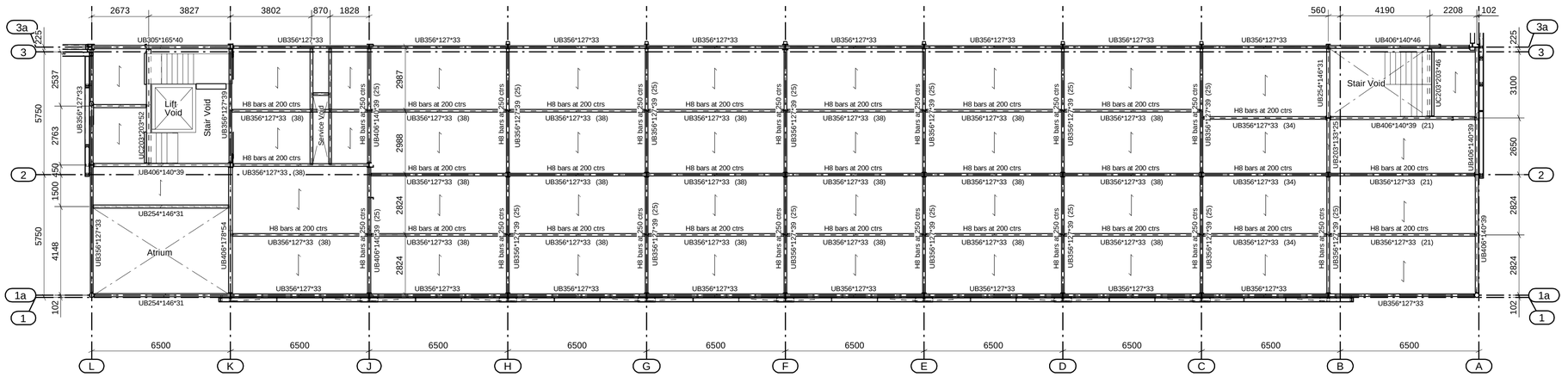
Client: Winvic Construction Ltd.
Project Description: Calder Park
Site Address: Wakefield
Drawing Title: Warehouse Roof Plan

Scale	CEL Job No.
1:125 1:250	21009

Drawn by	Project Type	Date Created
MatrixCAD	Design & Build	13.10.2021

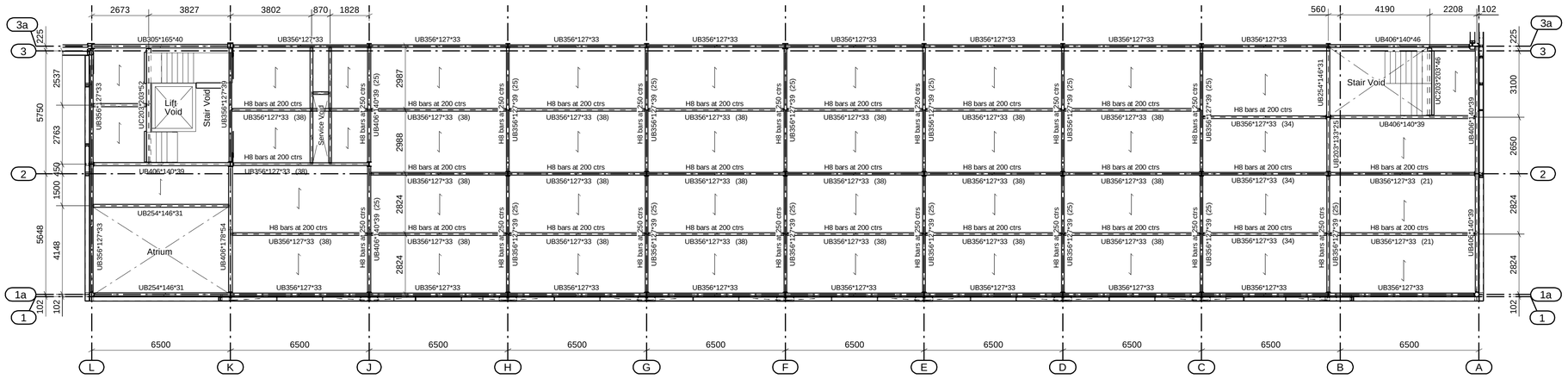
Designed Reviewed by	Date Reviewed

Project / Company / Volume / Level / Type / Role / Drawing No.	Revision
P21024-CEL-U1-XX-DR-X-0008	AB01



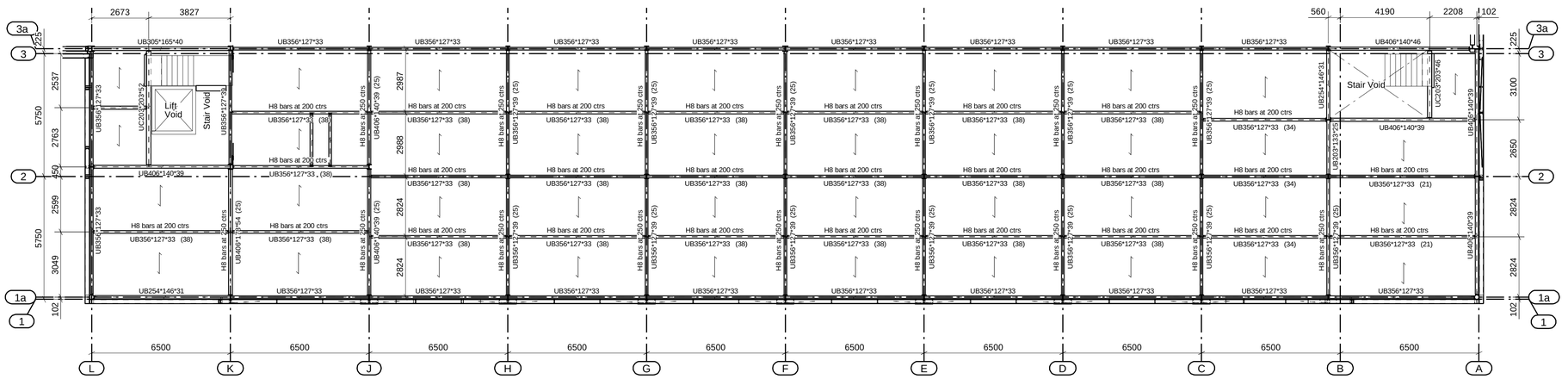
First Floor Plan

Top of Steel 3.670m



Second Floor Plan

Top of Steel 7.670m



Third Floor Plan

Top of Steel 11.670m

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Decking Notes

1. Metal decking to be MD60x0.9. Grade S350 UNO
2. Decking to be double/single span U.N.O.
3. Concrete grade to be C30. 150mm thick
4. Shear studs are 19mm diameter in accordance with EN ISO 13198
5. Fire resistance period 60 minutes to suit project.
6. Min mesh A252 cover 40mm from top of slab. Please note the use of flying ends may be required to achieve the minimum concrete cover.
7. Caunton Engineering are responsible for the design of the metal decking in the temporary and permanent conditions. We will also advise the minimum concrete strength, depth and reinforcement required for our composite beam design and to achieve the minimum fire resistance period. The responsibility for the design of the slab including reinforcement requirements under concentrated loads, at openings or edges, and for anti-crack requirements is to be with others. All slab and reinforcement drawings and schedules, including sitework and day joints, are to be by others.
8. The supply, delivery and installation of reinforcement and casting of the slab is to be by others.
9. The design responsibility of the floor as a diaphragm is to be with others.
10. The design of the deck / steel frame does not include for flood pouring of concrete. Concrete is to be poured to a constant depth above beam top flanges to a tolerance of -0/+10mm. We recommend that the slab is cast in accordance with the guideline set out in the SCI publication P300 "Composite Slabs and beams using steel decking: Best practice for design and construction".
11. Depending on the quality of the slab pour we anticipate a flatness tolerance of SR3 in accordance with BS:8204. (Max 10mm gap below a 2m straight edge).
12. Number in brackets = min number of studs
13. Stud requirements on edge beams - See Drawing
14. If no studs noted provide 1 stud in alternative troughs or 600mm centres.
15. Any slab overhang past flange or support beam to be agreed with Caunton Engineering design department.
16. Composite edge beams to have shear studs located no closer than 6d (d = stud diameter) from the free edge of the slab.

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Top of Steel level altered	11.08.2021
P01	Preliminary Issue	22.07.2021

STATUS : APPROVAL ISSUE

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Client	Winvic Construction Ltd.
Project Description	Calder Park
Site Address	Wakefield
Drawing Title	Office Floor Plans
Scale	1:125
CEL Job No.	21009
Drawn by	MatrixCAD
Project Type	Design & Build
Date Created	22.07.2021
Designed Reviewed by	
Date Reviewed	
Drawing No.	P21024-CEL-U1-XX-DR-X-0009
Revision	AB01

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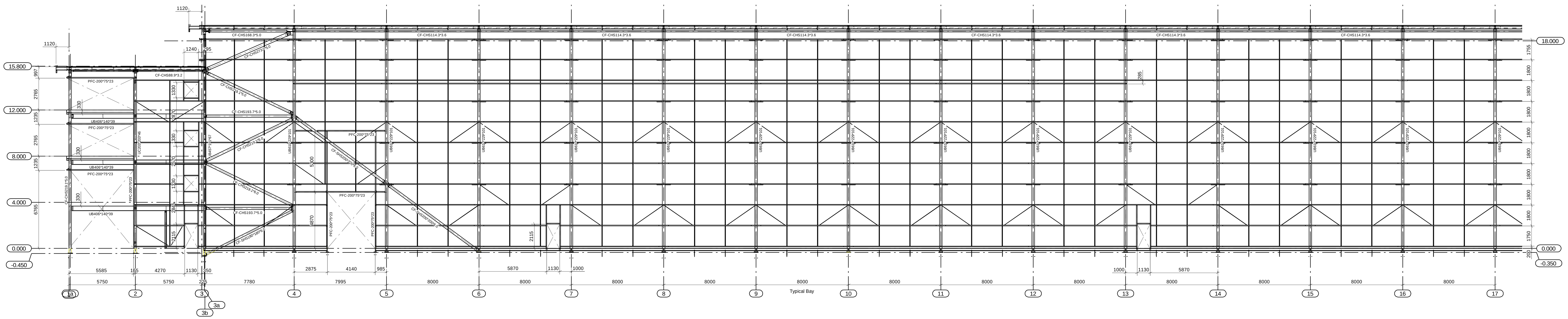
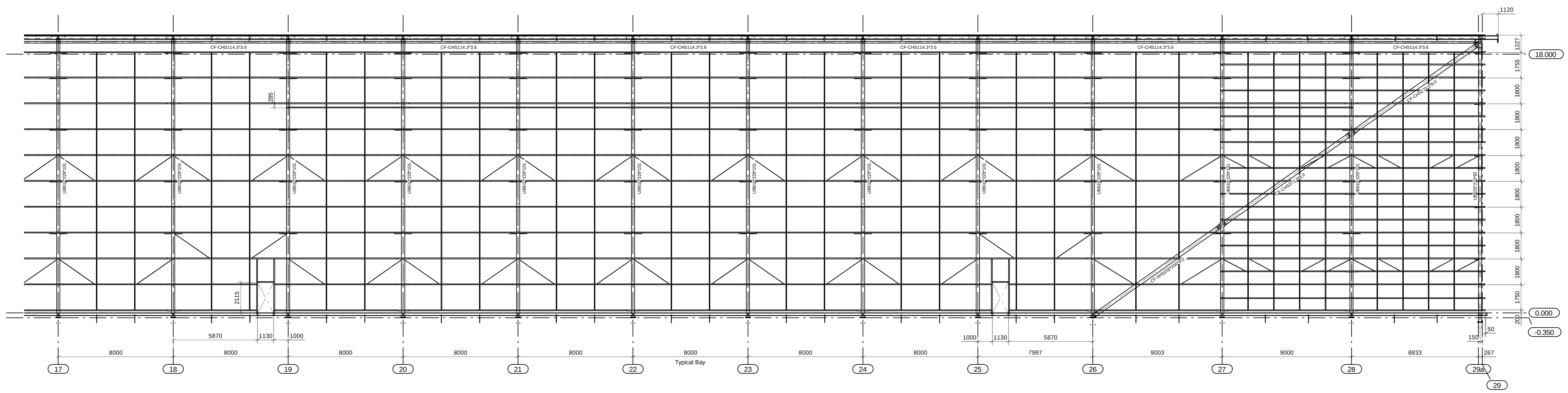


Elevation on Grid line A

Rail SPEC

Metsec Sleeved system
OUS Rails 202C15
DTW = Diagonal tie wire
SRS = Side rail support
TS = Tubular Strut

Cleader angle 100x100 supplied by Caunton
fitted by others



Elevation on Grid line A

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Window levels altered. Rails added	11.08.2021
P01	Preliminary Issue	22.07.2021

STATUS : APPROVAL ISSUE

Caunton Engineering Limited
Moorgreen Industrial Park
Moorgreen, Nottingham. NG16 3QU
TEL: 01773-531111 FAX: 01773-532020
www.caunton.co.uk
Tech E-Mail: drawing@caunton.co.uk

Client: Winvic Construction Ltd.

Project Description: Calder Park

Site Address: Wakefield

Drawing Title: Elevation on Grid line A

Scale: 1:125		CEL Job No.: 21009
Drawn by: MatrixCAD	Project Type: Design & Build	Date Created: 21.07.2021
Designed Reviewed by:		Date Reviewed:
Project / Company / Volume / Level / Type / Role / Drawing No.: P21024-CEL-U1-XX-DR-X-0010		Revision: AB01

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General Notes

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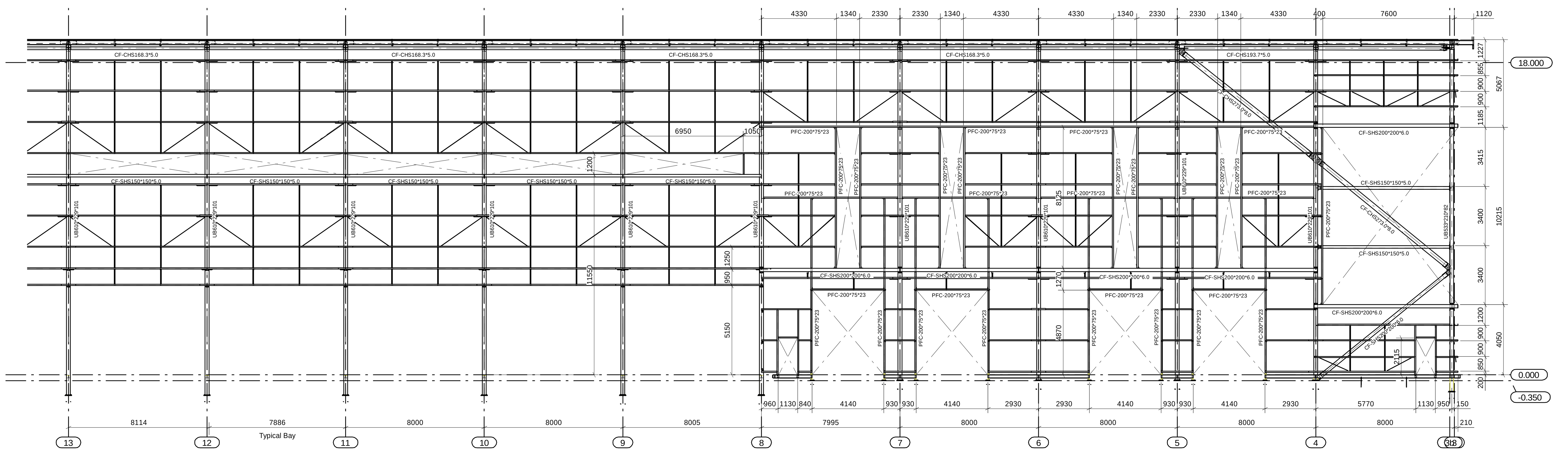
Elevation on Grid line W

Rail SPEC

Metsec Sleeved system
OUS Rails 202C15
DTW = Diagonal tie wire
SRS = Side rail support
TS = Tubular Strut

Cleader angle 100x100 supplied by Caunton
fitted by others



Elevation on Grid line W

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Window levels altered	11.08.2021
P01	Preliminary Issue	22.07.2021

STATUS : APPROVAL ISSUE

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www.caunton.co.uk
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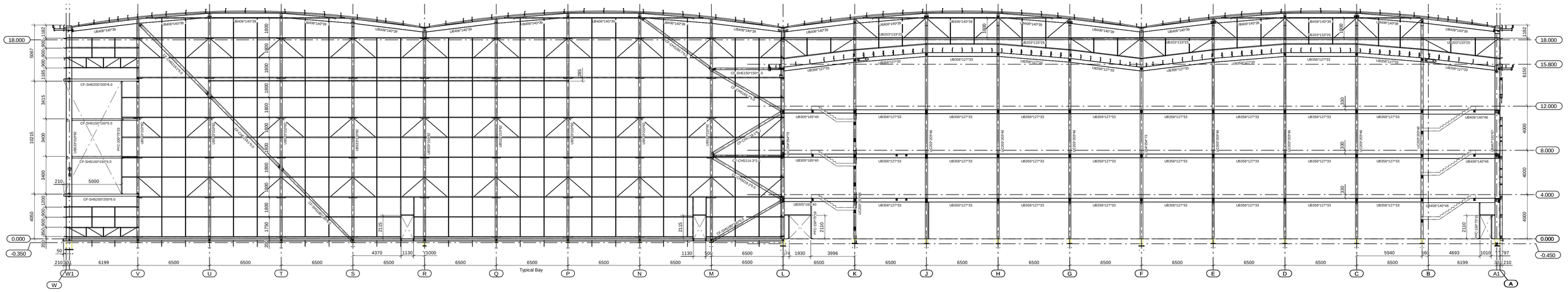
Client: Winvic Construction Ltd.

Project Description: Calder Park

Site Address: Wakefield

Drawing Title: Elevation on Grid line W

Scale		CEL Job No.
1:125		21009
Drawn by: MatrixCAD	Project Type: Design & Build	Date Created: 21.07.2021
Designed Reviewed by		Date Reviewed
Project Company Volume Level Type Role Drawing No.: P21024-CEL-U1-XX-DR-X-0011		Revision: AB01



Elevation on Grid line 3

Rail SPEC

Metsec Sleeved system
OUS Rails 202C15
DTW = Diagonal tie wire
SRS = Side rail support
TS = Tubular Strut

Cleader angle 100x100 supplied by Caunton
fitted by others

IF IN DOUBT - ASK! A0

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AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Window levels altered. Rails added	11.08.2021
P01	Preliminary Issue	22.07.2021
REV. MARK	REVISION DESCRIPTION	REV. DATE

STATUS : APPROVAL ISSUE

caunton
ENGINEERING

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Client
Winvic Construction Ltd.

Project Description
Calder Park

Site Address
Wakefield

Drawing Title
Elevation on Grid line 3

Scale		CEL Job No.
1:125		21009
Drawn by MatrixCAD	Project Type Design & Build	Date Created 21.07.2021
Designed Reviewed by		Date Reviewed

Project Company Volume Level Type Role Drawing No.
P21024-CEL-U1-XX-DR-X-0012

Revision
AB01

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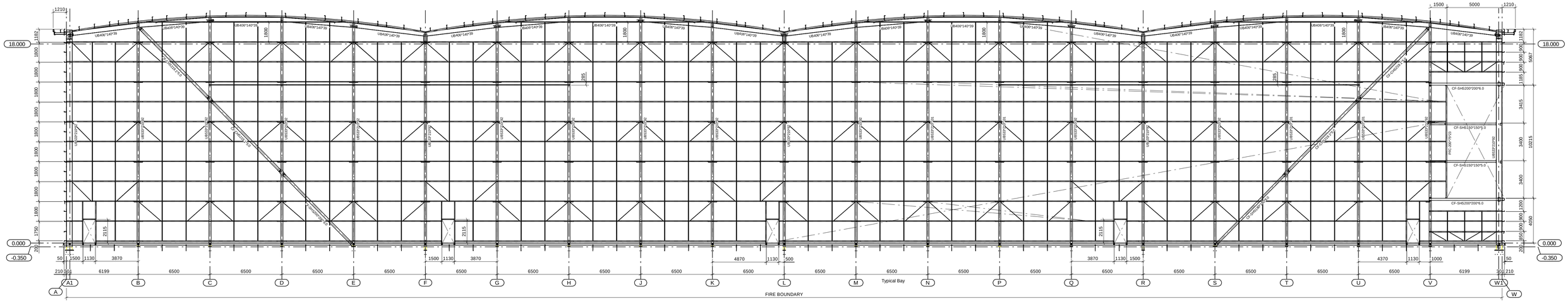

Elevation on Grid line 29

Rail SPEC

Metsec Sleeved system
OUS Rails 202C15
DTW = Diagonal tie wire
SRS = Side rail support
TS = Tubular Strut

Cleader angle 100x100 supplied by Caunton
 fitted by others

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Window levels altered. Rails added	11.08.2021
P01	Preliminary Issue	22.07.2021

STATUS : APPROVAL ISSUE

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www.caunton.co.uk
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Client
Winvic Construction Ltd.

Project Description
Calder Park

Site Address
Wakefield

Drawing Title
Elevation on Grid line 29

Scale 1:125		CEL Job No. 21009
Drawn by MatrixCAD	Project Type Design & Build	Date Created 21.07.2021
Designed Reviewed by		Date Reviewed

Project Company Volume Level Type Role Drawing No.
P21024-CEL-U1-XX-DR-X-0013

Revision
AB01

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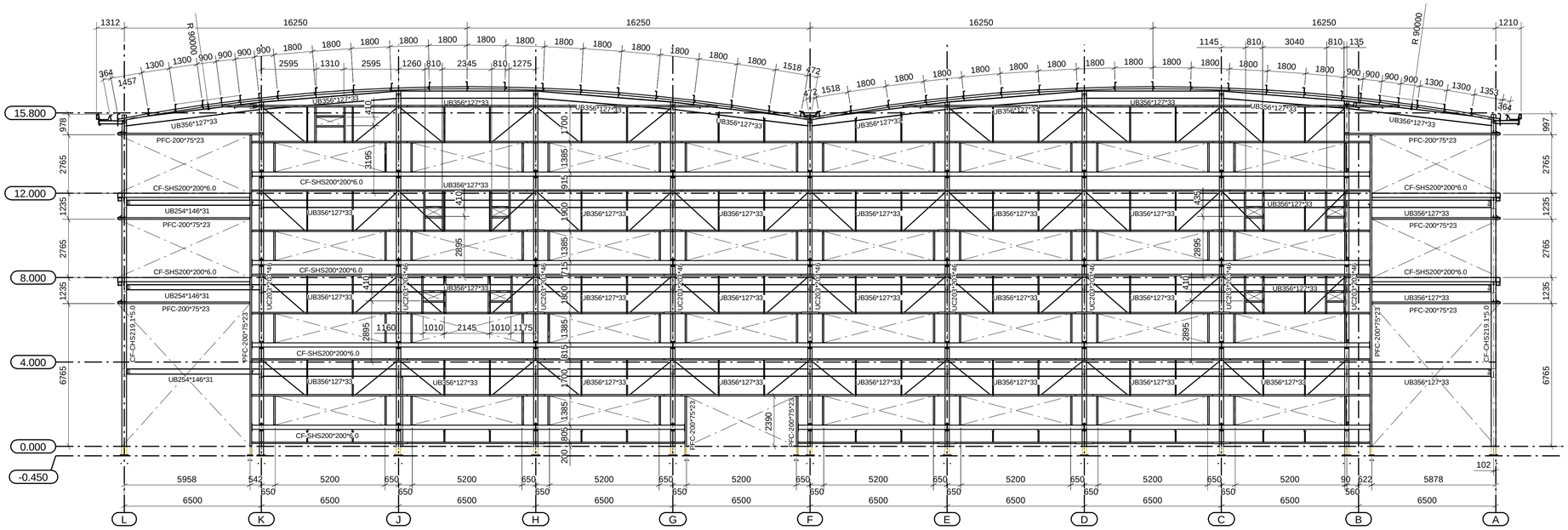
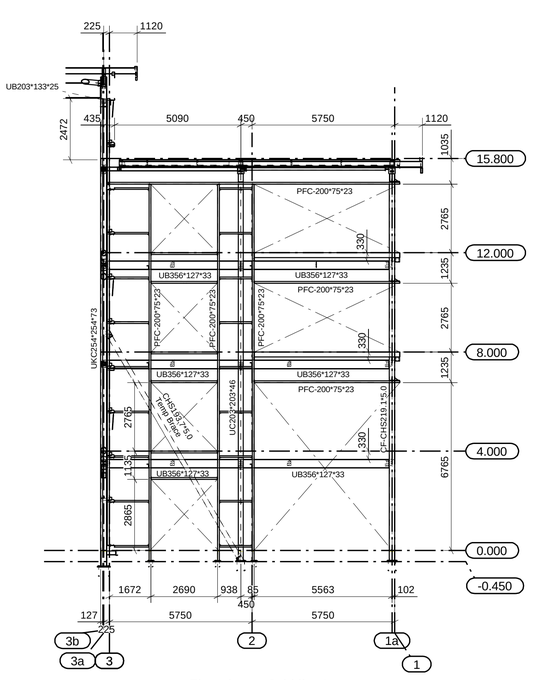
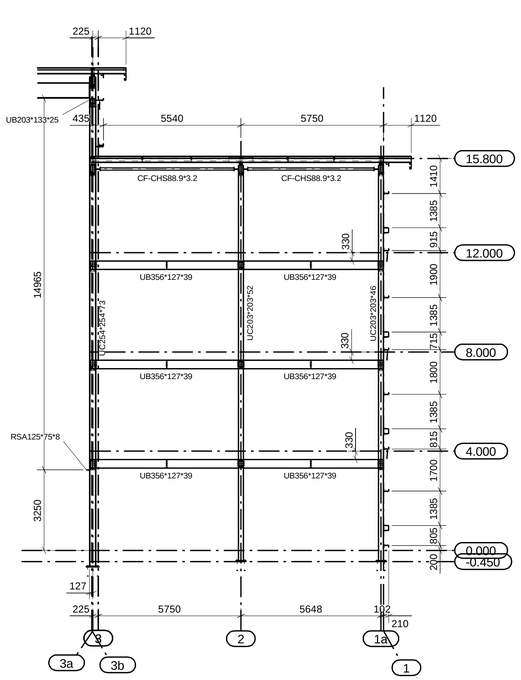


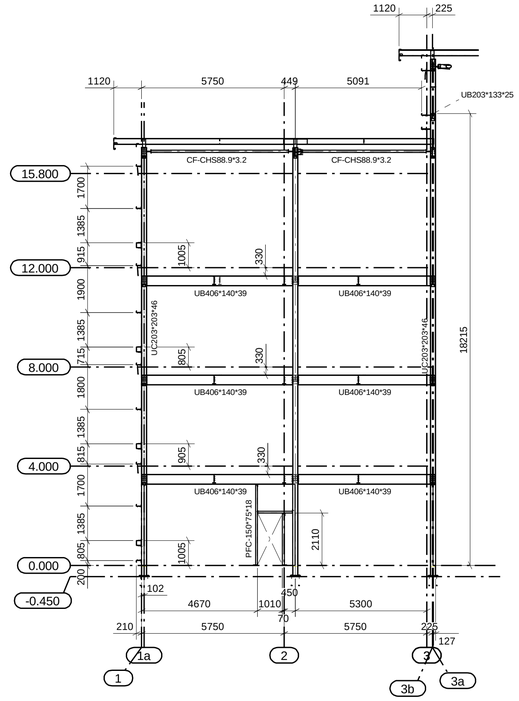
Elevation on Grid line 1



Elevation on Grid line L



Elevation on Grid line F



Elevation on Grid line J

Rail SPEC

Metsec Sleeved system
OUS Rails 202C15
DTW = Diagonal tie wire
SRS = Side rail support
TS = Tubular Strut

Cleader angle 100x100 supplied by Caunton fitted by others

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C03	Louver trimmers added	04.03.2022
C02	Window cill level altered	01.11.2021
C01	Construction Issue	13.10.2021
P02	Window levels altered	11.08.2021
P01	Preliminary Issue	26.07.2021

STATUS : APPROVAL ISSUE

caunton ENGINEERING
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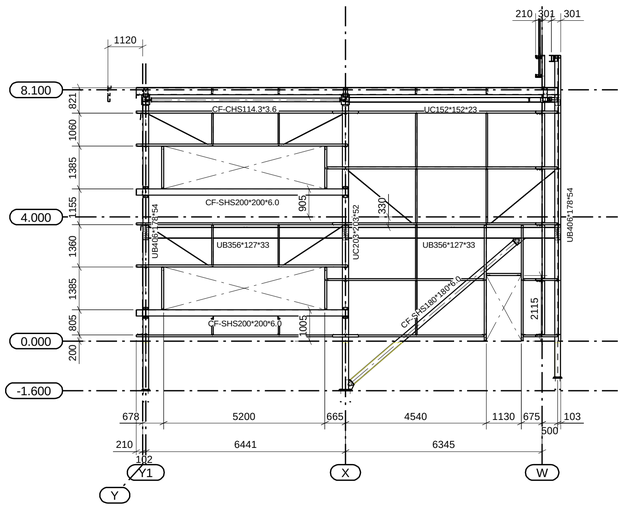
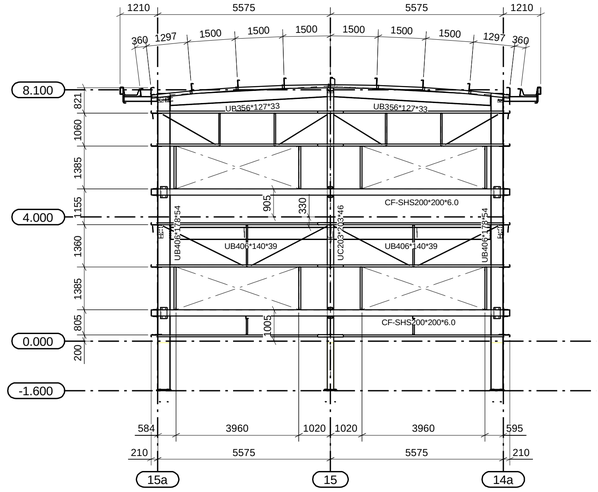
Moorgreen Industrial Park
Moor Green Lane, Newthorpe, NG16 3QU
TEL: 01773 531111 FAX: 01773 532020
www.caunton.co.uk
Tech E-Mail: drawing@caunton.co.uk

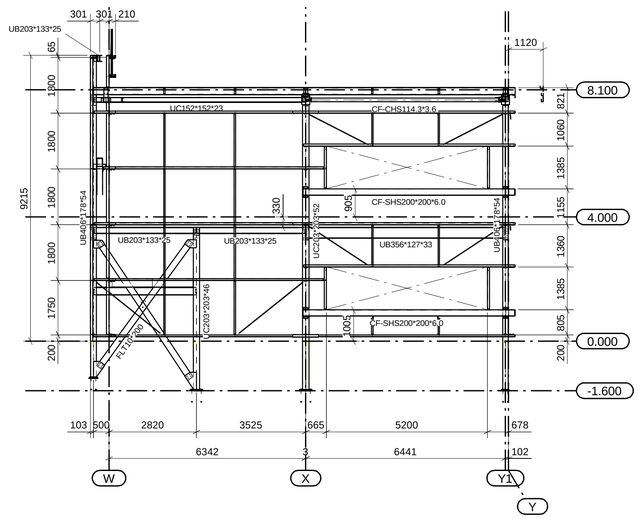
Client	Winvic Construction Ltd.
Project Description	Calder Park
Site Address	Wakefield
Drawing Title	Main Office Elevations
Scale	1:125
CEL Job No.	21009
Drawn by	MatrixCAD
Project Type	Design & Build
Date Created	22.07.2021
Designed	
Reviewed by	
Date Reviewed	
Project / Originator / Volume / Level / Type / Role / Drawing No.	P21024-CEL-U1-XX-DR-X-0014
Revision	AB01



Elevation on Grid line 14a



Elevation on Grid line Y



Elevation on Grid line 15a

Rail SPEC

Metsec Sleeved system
OUS Rails 202C15
DTW = Diagonal tie wire
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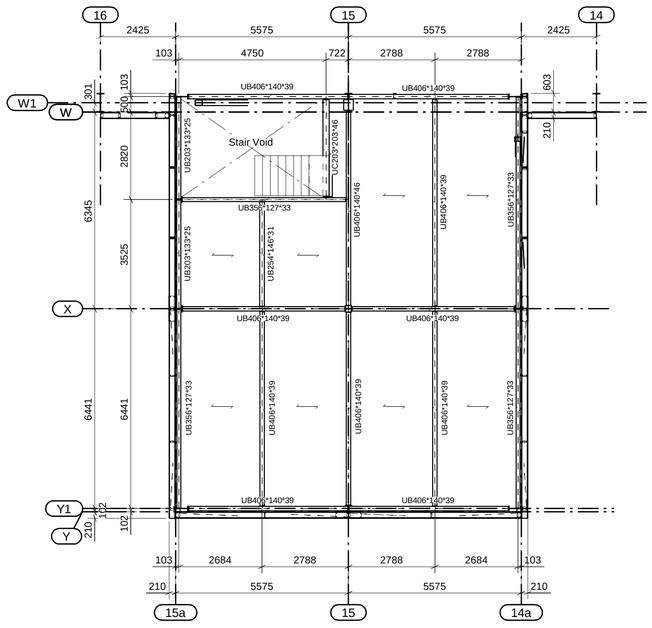
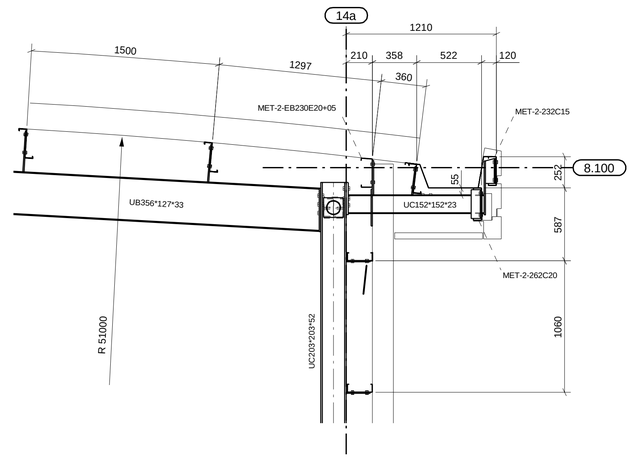
TS = Tubular Strut

Cleader angle 100x100 supplied by Caunton fitted by others



First Floor Plan

Top of Steel 3.650m



Elevation on Grid line 1

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Decking Notes

1. Metal decking to be MD60 0.9mm. Grade S350 UNO
2. Decking to be double/single span U.N.O.
3. Concrete grade to be S30. 150mm thick
4. Shear studs are 19mm diameter in accordance with EN ISO 13198
5. Fire resistance period 60 minutes to suit project.
6. Min mesh A252 cover 40mm from top of slab. Please note the use of flying ends may be required to achieve the minimum concrete cover.
7. Caunton Engineering are responsible for the design of the metal decking in the temporary and permanent conditions. We will also advise the minimum concrete strength, depth and reinforcement required for our composite beam design and to achieve the minimum fire resistance period. The responsibility for the design of the slab including reinforcement requirements under concentrated loads, at openings or edges, and for anti-crack requirements is to be with others. All slab and reinforcement drawings and schedules, including sitework and day joints, are to be by others.
8. The supply, delivery and installation of reinforcement and casting of the slab is to be by others.
9. The design responsibility of the floor as a diaphragm is to be with others.
10. The design of the deck / steel frame does not include for flood pouring of concrete. Concrete is to be poured to a constant depth above beam top flanges to a tolerance of -0/+10mm. We recommend that the slab is cast in accordance with the guideline set out in the SCI publication P300 "Composite Slabs and beams using steel decking: Best practice for design and construction".
11. Depending on the quality of the slab pour we anticipate a flatness tolerance of SR3 in accordance with BS:8204. (Max 10mm gap below a 2m straight edge).
12. Number in brackets = min number of studs
13. Stud requirements on edge beams - See Drawing
14. If no studs noted provide 1 stud in alternative troughs or 600mm centres.
15. Any slab overhang past flange or support beam to be agreed with Caunton Engineering design department.
16. Composite edge beams to have shear studs located no closer than 6d (d = stud diameter) from the free edge of the slab.

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C02	Window cill level altered	01.11.2021
C01	Construction Issue	13.10.2021
P02	Window levels altered	11.08.2021
P01	Preliminary Issue	26.07.2021

STATUS : APPROVAL ISSUE

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Moorgreen Industrial Park
Moorgreen, Nottingham. NG16 3QU
TEL: 01773-531111 FAX: 01773-532020
Tech E-Mail: drawing@caunton.co.uk

Client	Winvic Construction Ltd.
Project Description	Calder Park
Site Address	Wakefield
Drawing Title	Hub Office Plan and Elevations
Scale	1:25 1:100
CEL Job No.	21009
Drawn by	MatrixCAD
Project Type	Design & Build
Date Created	23.07.2021
Designed /Reviewed by	
Date Reviewed	
Drawing Number	P21024-CEL-U1-XX-DR-X-0015
Revision	AB01

A1

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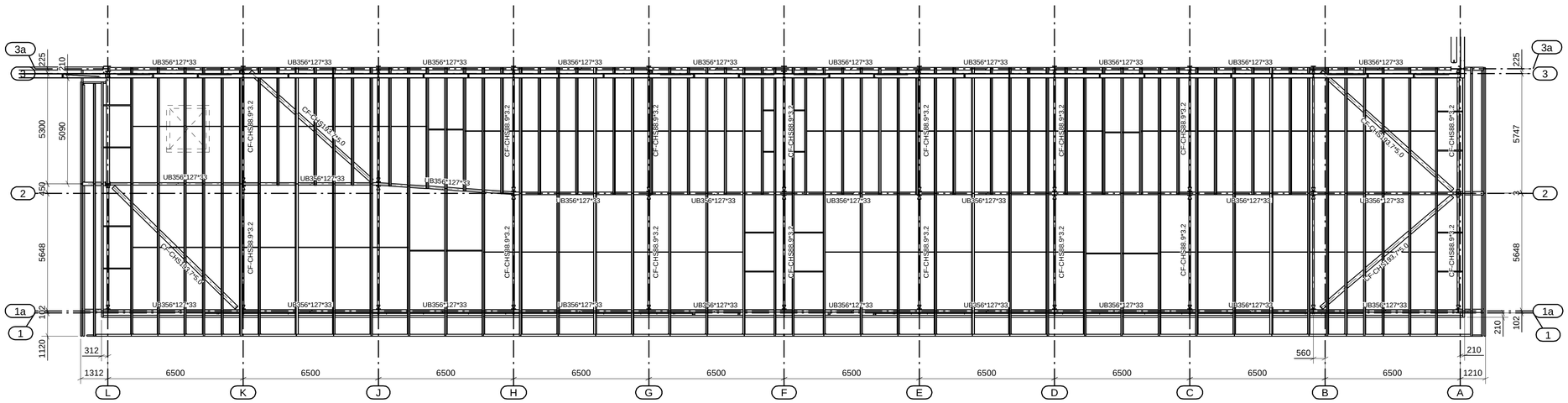
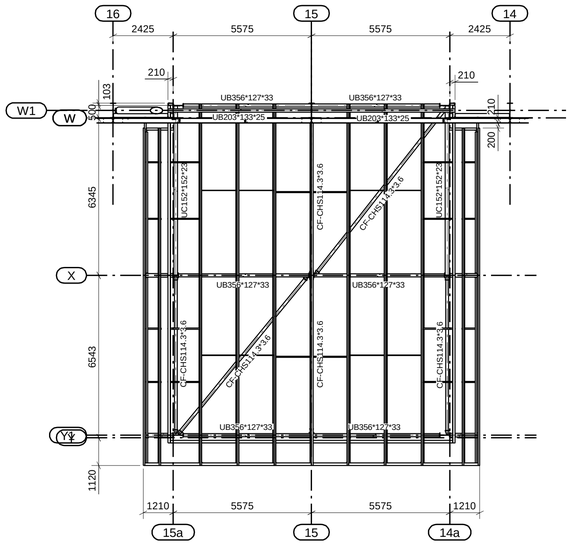


Office Roof Plan

PURLIN SPEC

Metsec Sleved system
OUS Purlins Metsec 232Z15
PT = Purlin tie
DPB = Diagonal pulin brace
EB = Eaves brace
SRS = Side rail support
AS = Apex Strut
UPEB = Under purlin eaves brace

Cleader angle 100x100 supplied by Caunton fitted by others



Hub Office Roof Plan

AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Purlins added; Roof Bracing altered	11.08.2021
P01	Preliminary Issue	26.07.2021
REV. MARK	REVISION DESCRIPTION.	REV. DATE

STATUS : APPROVAL ISSUE

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Tech.E-Mail :drawing@caunton.co.uk

Client
Wrnvic Construction Ltd.

Project Description
Calder Park

Site Address
Wakefield

Drawing Title
Office Roof Plans

Scale: 1:125
CEL Job No.: 21009
Drawn by: MatrixCAD
Project Type: Design & Build
Date Created: 23.07.2021
Designed Reviewed by:
Date Reviewed:

Drawing Number: P21024-CEL-U1-XX-DR-X-0016
Revision: AB01

A1

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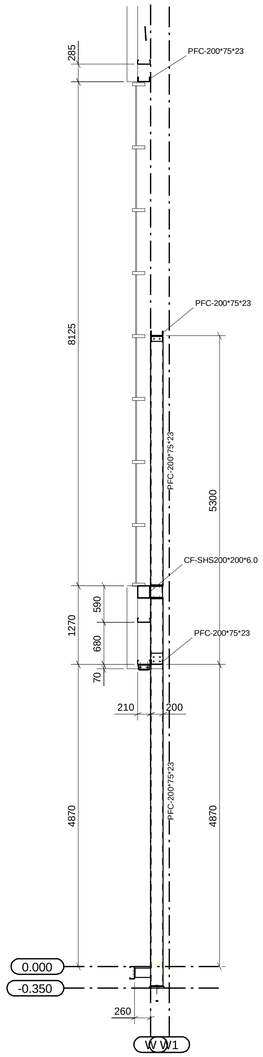
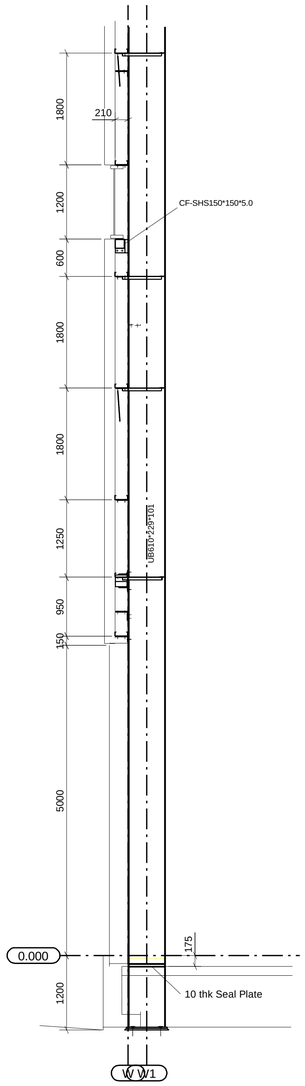
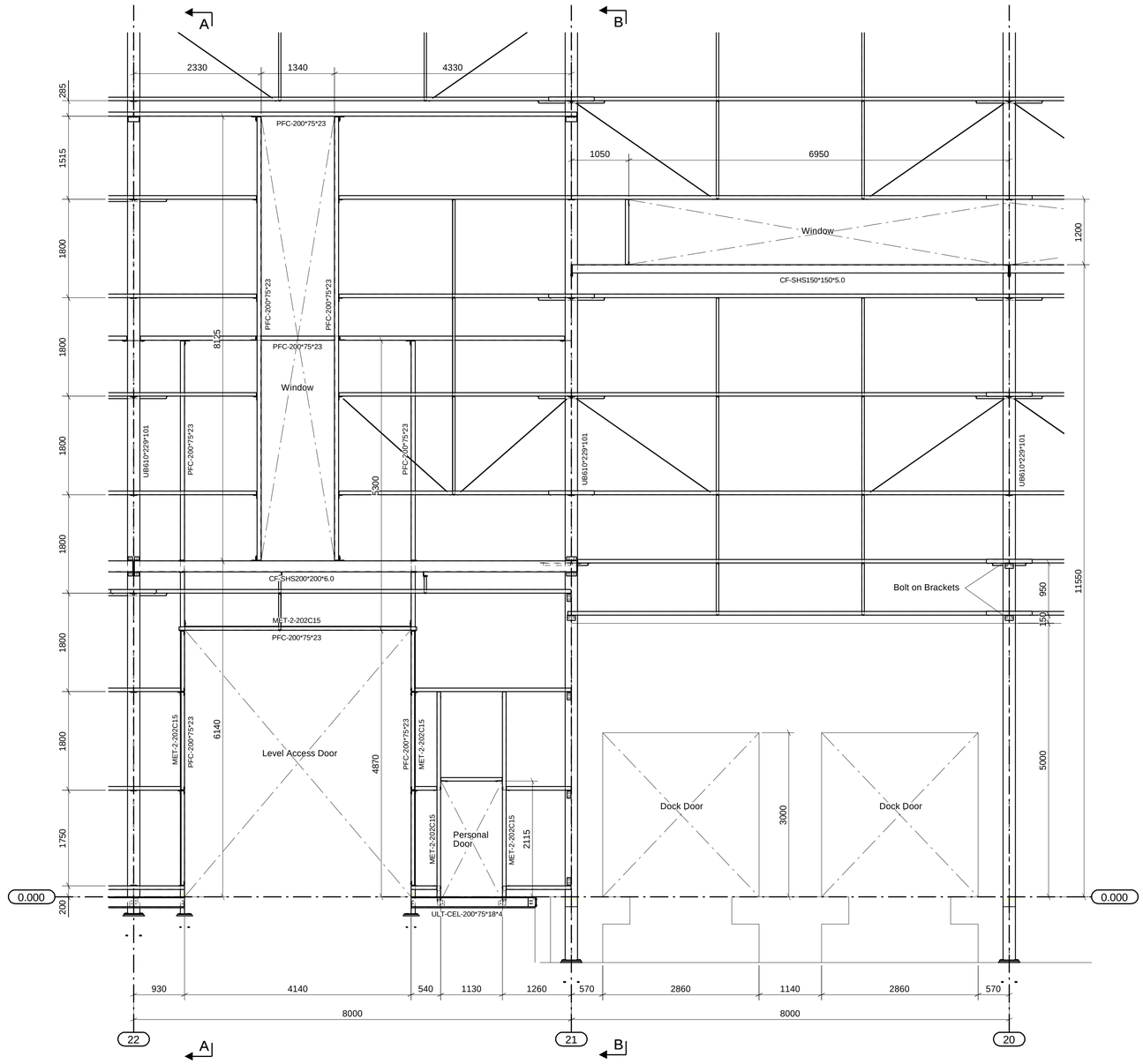


A - A



B - B



Elevation on Grid line W

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Construction Issue	13.10.2021
P02	Window levels altered	11.08.2021
P01	Preliminary Issue	26.07.2021

STATUS : APPROVAL ISSUE

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Client: Wirvic Construction Ltd.

Project Description: Calder Park

Site Address: Wakefield

Drawing Title: Door and Window Details

Scale: 1:50

CEL Job No.: 21009

Drawn by: MatrixCAD

Project Type: Design & Build

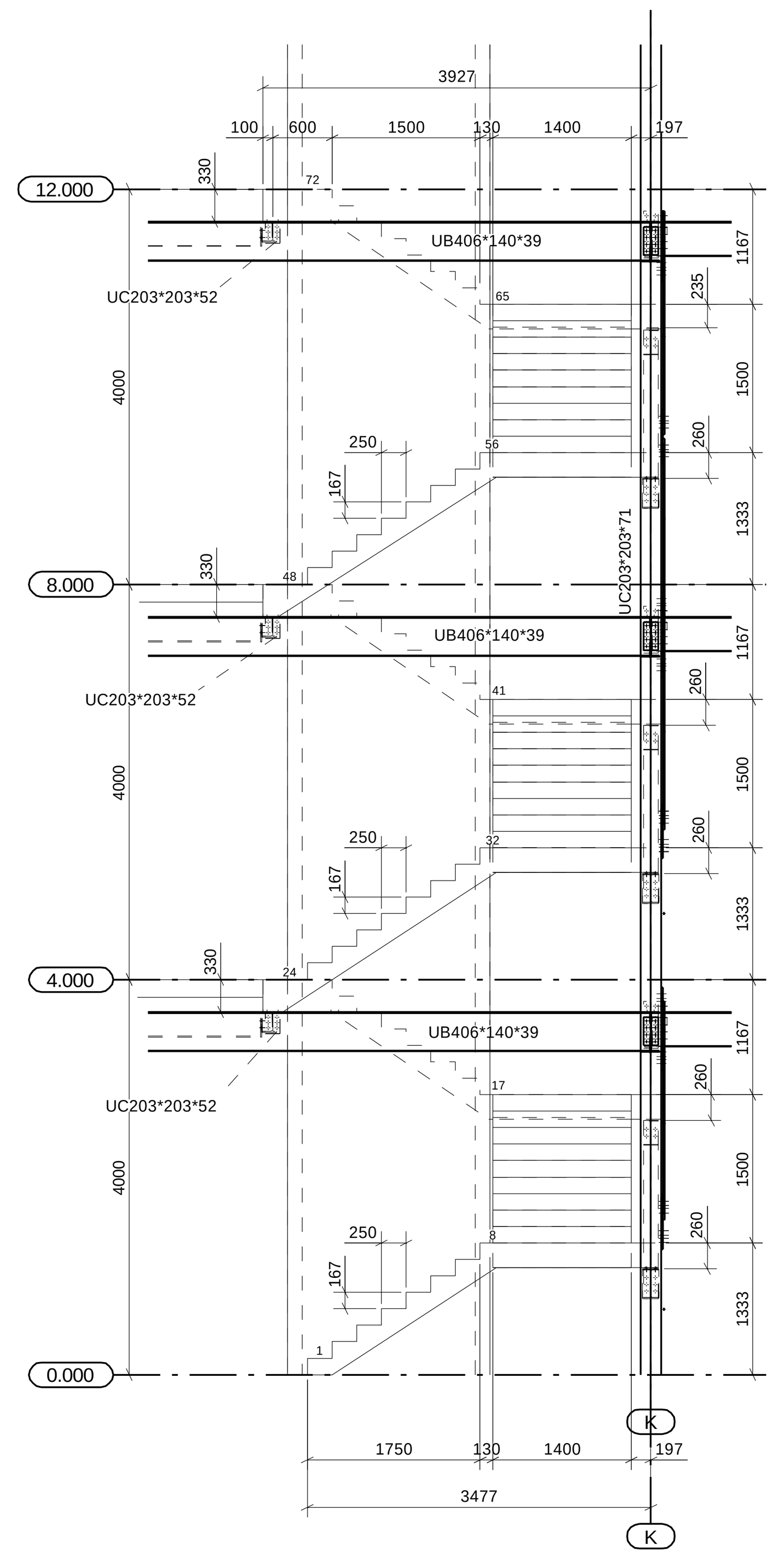
Date Created: 23.07.2021

Designed /Reviewed by

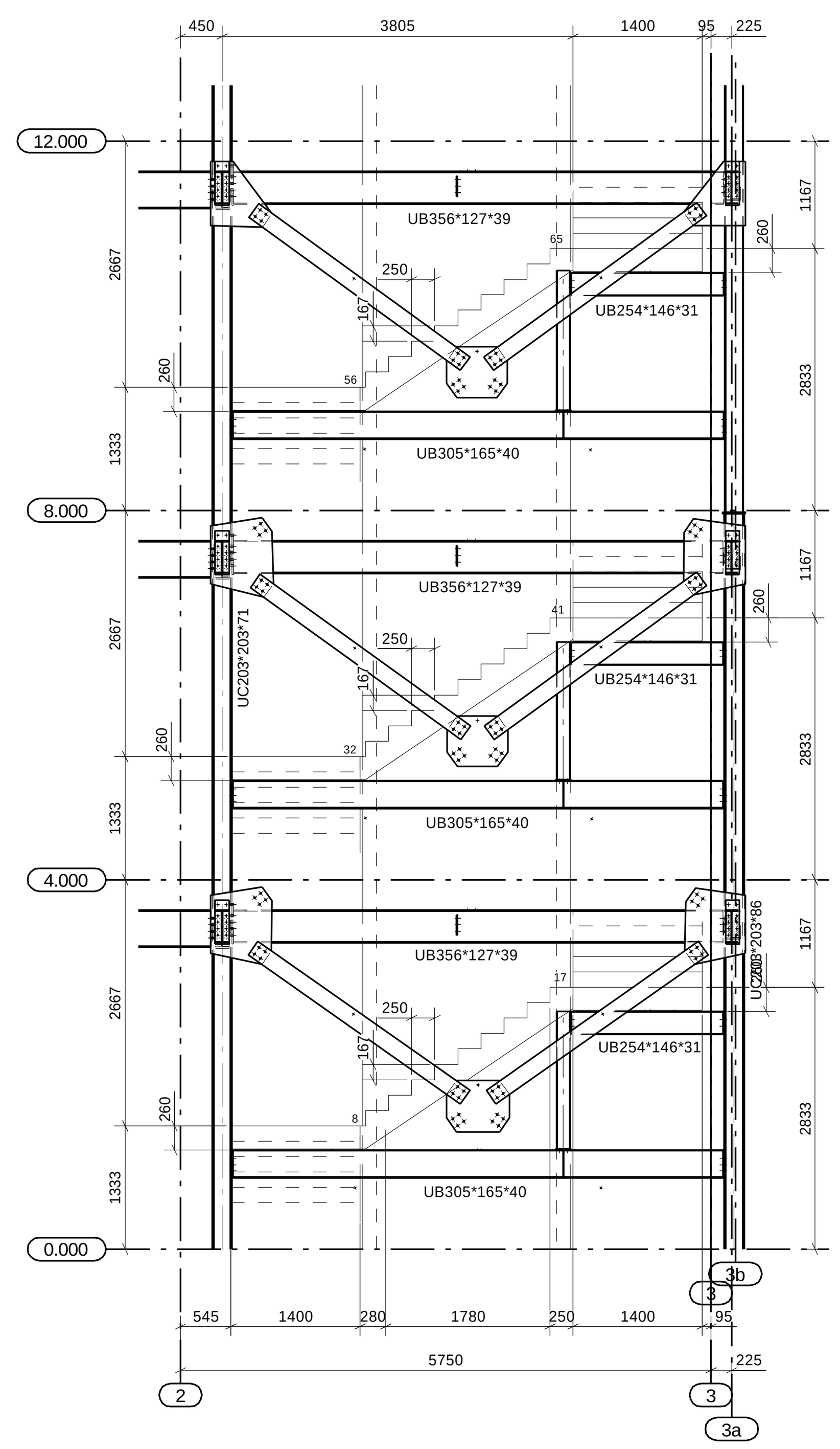
Date /Reviewed

Drawing No.: P21024-CEL-U1-XX-DR-X-0017

Revision: AB01



A - A



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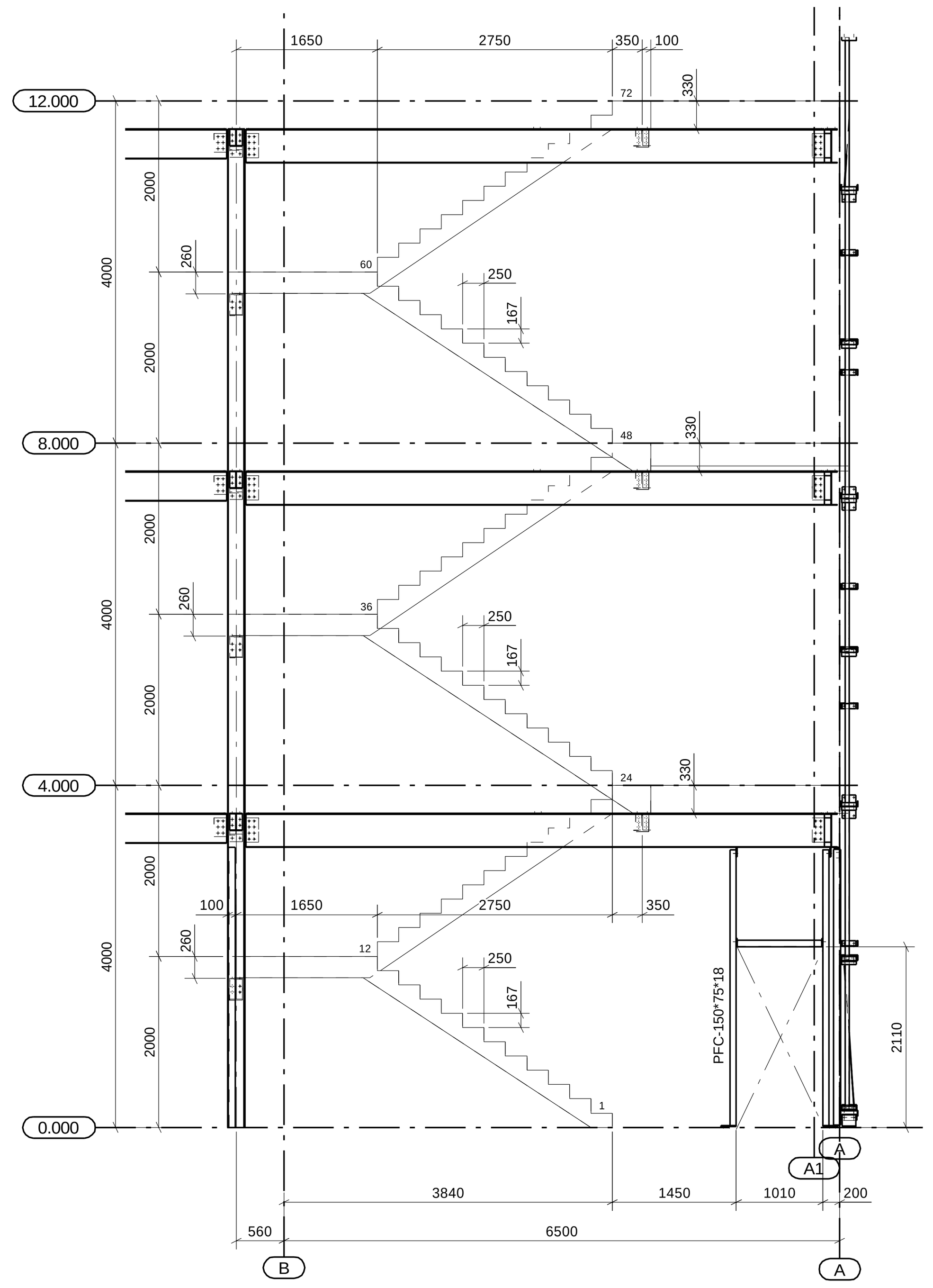

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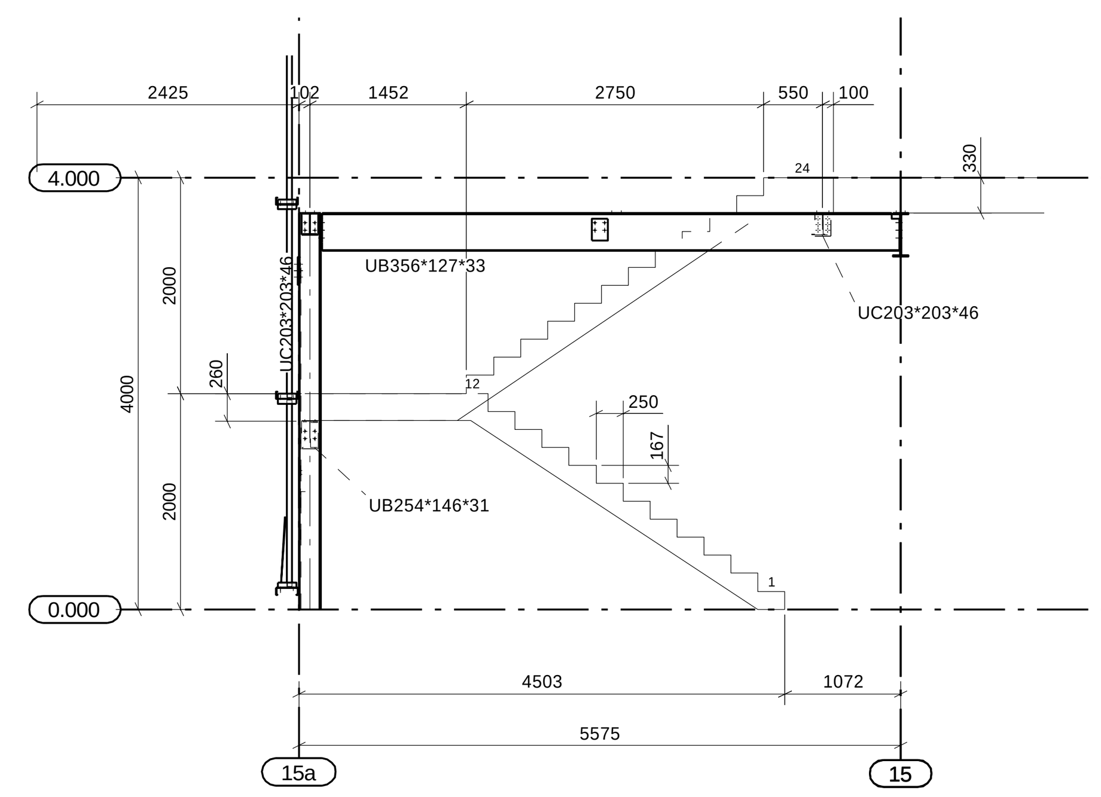

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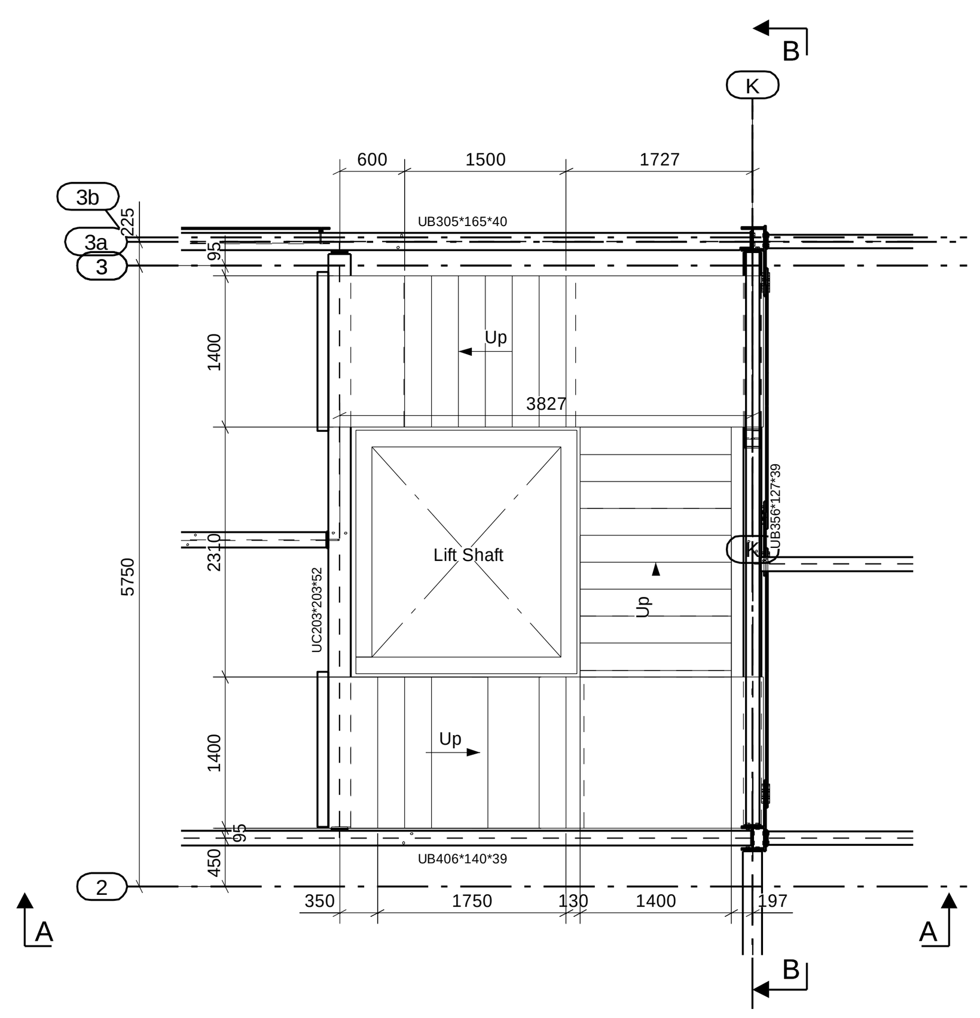
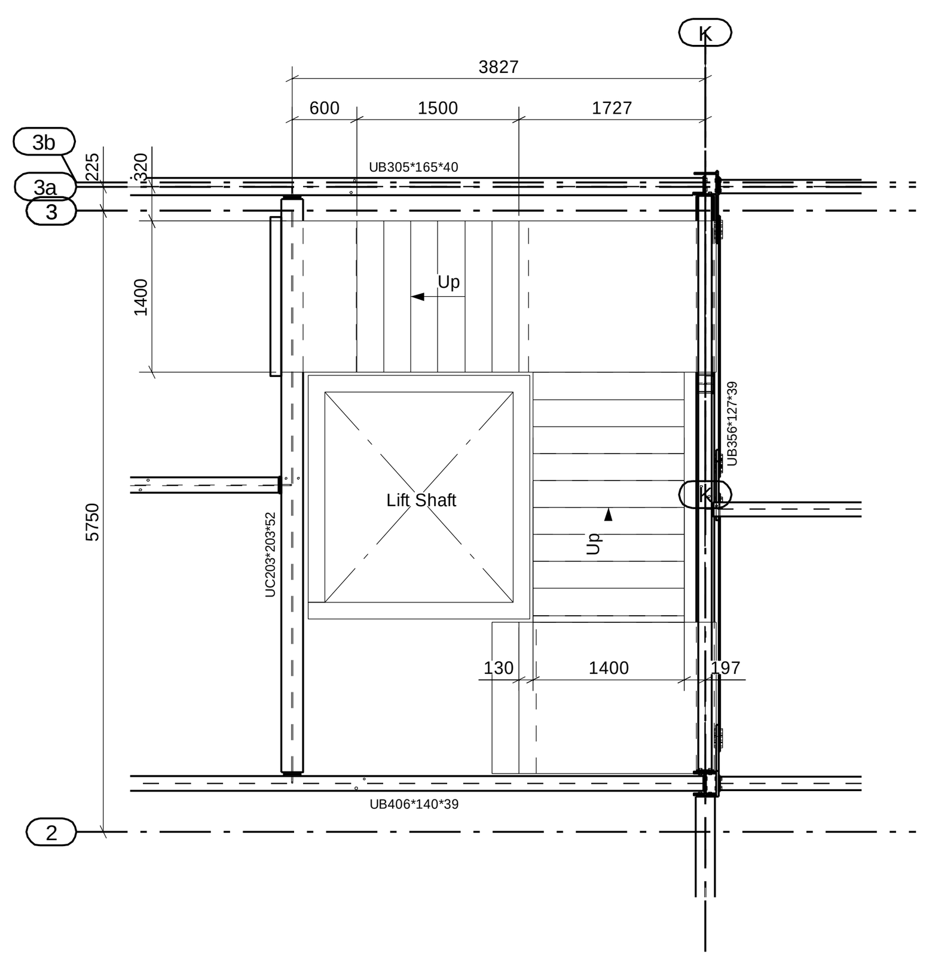


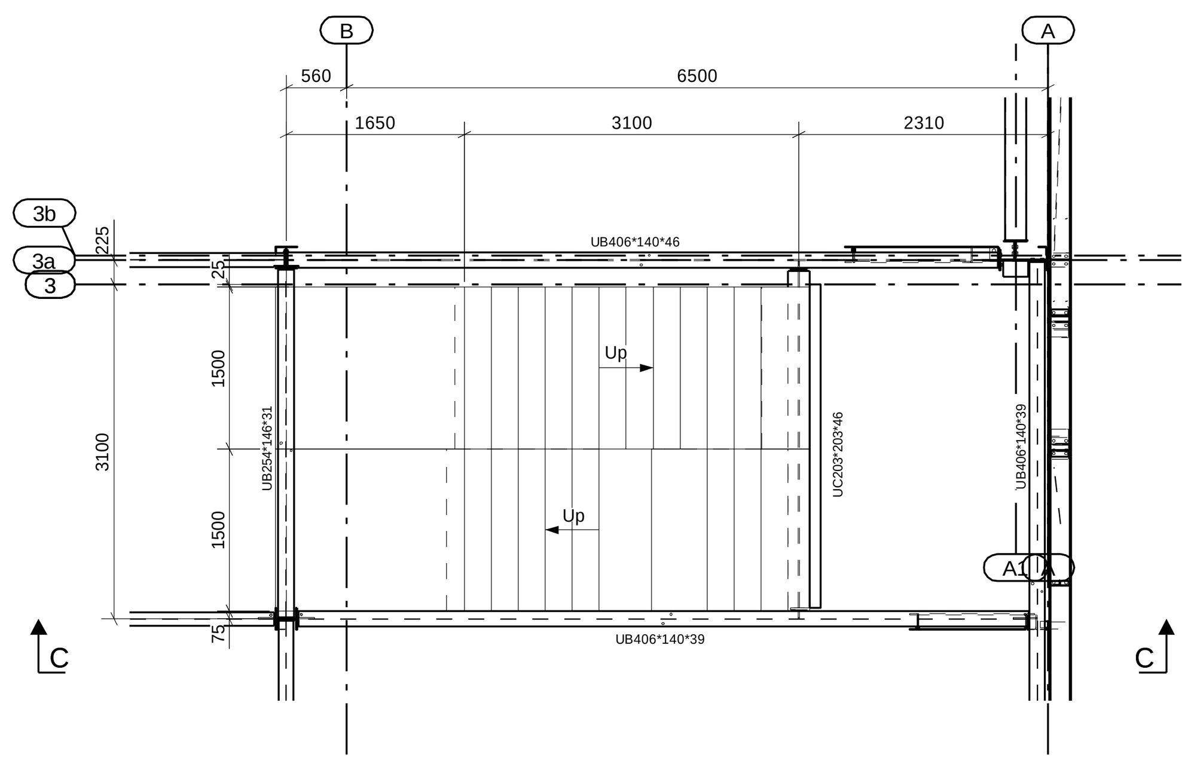
First & Second Floor Plan

Main Office Stair



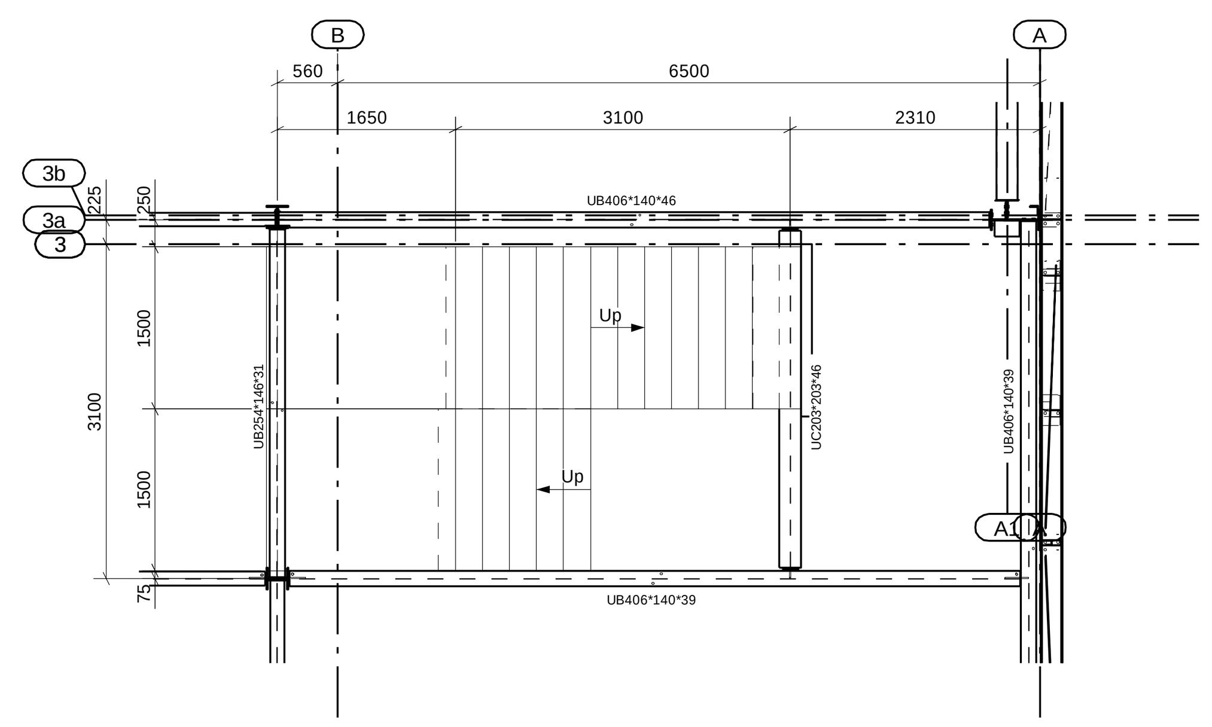
Third Floor Plan

Main Office Stair



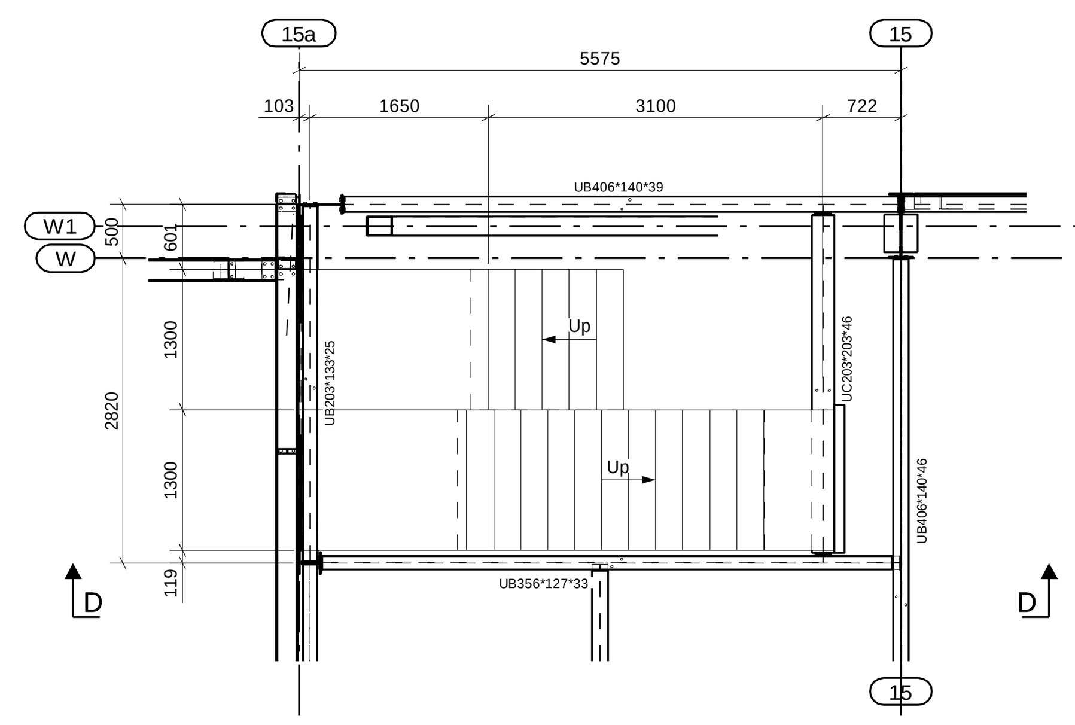
First & Second Floor Plan

Main Office Escape Stair



Third Floor Plan

Main Office Escape Stair



First Floor Plan

Hub Office Stair

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A0

General Notes

1. Do not scale from this drawing
2. Dimensions are in millimetres unless noted otherwise.
3. All levels are in metres unless noted otherwise
4. Erection mark for orientation denoted
5. Only PDF issues of this drawing are controlled
6. All other formats of this drawing {e.g. DWG/AutoCad} are un-controlled and are used at your own risk.

Project Notes

1. Caunton Engineering is not the principal des*** for this project.
2. The Principal Designer for this project has responsibility for approving this drawing.
3. The steel frame shown on this drawing has been designed to BS:5950.
4. The steel frame shown on this drawing will be erected in accordance with the tolerances specified in the current NSSS (National Structural Steelwork Specification)
5. Any queries relating to information on this drawing are to be referred, in the first instance to the Principal Designer.
6. This drawing is to be read in conjunction with all information produced by the Principal Designer, Architect, Engineer and all other specialist trade contractors employed on this project.
7. It should not be assumed the steel frame shown on this drawing has been coordinated with other specialist trade contractors regarding construction interfaces. Any queries should be raised with the Principal Designer.
8. It is the responsibility of all specialist trade contractors that depend upon the steel frame for support to ensure they understand the tolerances defined in the current NSSS. Other specialist trade contractors must make provision in the design and construction of their works, including checking dimensions and positions on site if necessary, to deal with any potential conflict of tolerances which may arise.

REV. MARK	REVISION DESCRIPTION	REV. DATE
AB01	As-Built Issue	30.06.2022
C01	Stair Flights altered	13.10.2021
P02	Top of Steel level altered	11.08.2021
P01	Preliminary Issue	26.07.2021

STATUS : APPROVAL ISSUE

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Client: Winvic Construction Ltd.

Project Description: Calder Park

Site Address: Wakefield

Drawing Title: Stair Details

Scale		CEL Job No.
1:50		21009
Drawn by: MatrixCAD	Project Type: Design & Build	Date Created: 26.07.2021
Designed Reviewed by		Date Reviewed

Project - Company - Volume - Level - Type - Role - Drawing No.: P21024-CEL-U1-XX-DR-X-0018

Revision: AB01