P23-027 The Range Stowmarket

Drawing Register:

Please note: All drawings listed below are hyperlinked to the drawings listed. Please click on the drawing title to go directly to the drawing of your choice.

Works Completed:

Drawing No.	Drawing Title	Rev
P22036-CEL-01-ZZ-DR-X-0009	Office Floor Plans Caunton	B01
P22036-CEL-01-ZZ-DR-X-0010	Distribution Office Floor Plans	B01
P22036-CEL-RU-00-DR-X-0031	Refuse & Recycle Building Column Location Plan	B01
P22036-CEL-RU-FN-DR-X-0032	Refuse & Recycle Building Foundation Plan	B01
P22036-CEL-RU-RF-DR-X-0033	Refuse & Recycle Building Roof Plan	B01
P22036-CEL-RU-ZZ-DR-X-0034	Refuse & Recycle Building Elevation on Grids R1 And R4	B01
P22036-CEL-RU-ZZ-DR-X-0035	Refuse & Recycle Building Elevations on Grid RA, RG, and Section RF	B01
P22036-CEL-W1-00-DR-X-0001	Column Location Plan	B01
P22036-CEL-W1-FN-DR-X-0002	Foundation Plan Sheet 1 of 4	B01
P22036-CEL-W1-FN-DR-X-0003	Foundation Plan Sheet 2 of 4	B01
P22036-CEL-W1-FN-DR-X-0004	Foundation Plan Sheet 3 of 4	B01
P22036-CEL-W1-FN-DR-X-0005	Foundation Plan Sheet 4 of 4	B01
P22036-CEL-W1-FN-DR-X-0006	Base Plate Details	B01
P22036-CEL-W1-RF-DR-X-0011	Warehouse Roof Plan	B01
P22036-CEL-W1-ZZ-DR-X-0007	Section On Grid Line 39	B01
P22036-CEL-W1-ZZ-DR-X-0008	Section On Grid Line H	B01
P22036-CEL-W1-ZZ-DR-X-0012	Elevation on Grid Line 1	B01
P22036-CEL-W1-ZZ-DR-X-0013	Elevation on Grid Line 52	B01
P22036-CEL-W1-ZZ-DR-X-0014	Elevation on Grid Line 41 and 46a	B01
P22036-CEL-W1-ZZ-DR-X-0015	Elevation on Grid Line C	B01
P22036-CEL-W1-ZZ-DR-X-0016	Elevation on Grid Line K	B01
P22036-CEL-W1-ZZ-DR-X-0017	Elevation on Grid Line D and E	B01
P22036-CEL-W1-ZZ-DR-X-0018	Office Sections and Elevations	B02
P22036-CEL-W1-ZZ-DR-X-0019	Office Canopy Details	B01
P22036-CEL-W1-ZZ-DR-X-0020	Distribution Office 1 Section and Elevations	B01
P22036-CEL-W1-ZZ-DR-X-0021	Distribution Office 2 Section and Elevations	B01
P22036-CEL-W1-ZZ-DR-X-0022	Typical Door Details	B01
P22036-CEL-W1-ZZ-DR-X-0023	Office Stairs	B01
P22036-CEL-W1-ZZ-DR-X-0024	Distribution Office Stairs	B01
P22036-CEL-W1-ZZ-DR-X-0025	Welfare Office	B01
P22036-CEL-W1-ZZ-DR-X-0501	General Arrangement Showing Roof Maintenance Access Ladder Grid-C-22-23	B01
P22036-CEL-W1-ZZ-DR-X-0502	General Arrangement Showing Dock Stairs Type 1a & 1b	B01
P22036-CEL-W1-ZZ-DR-X-0503	General Arrangement Showing External Stair Type 2a	B01
P22036-CEL-W1-ZZ-DR-X-0504	General Arrangement Showing External Stair Type 2b	B01

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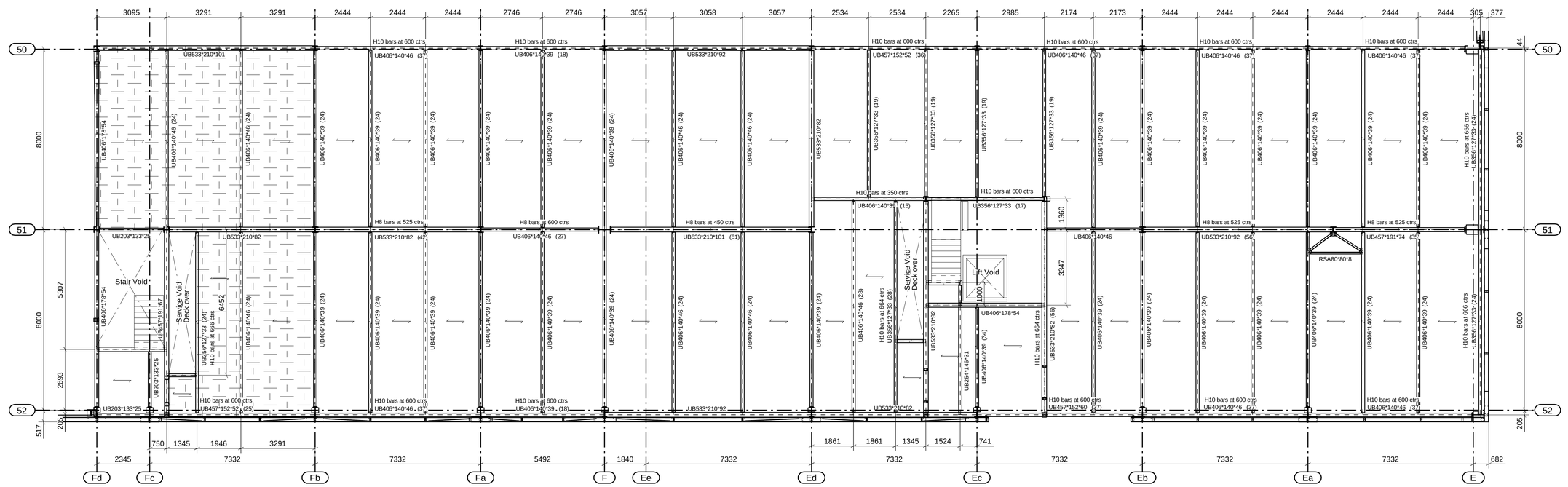
Decking Notes

1. Metal decking to be TR60x0.9mm. Grade S350 UNO
2. Decking to be double/single span U.N.O.
3. Concrete grade to be C30/37. 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 A393 cover 25mm from top of slab. Please note the use of flying ends may be required to achieve the minimum concrete cover.
7. Caunton Engineering Limited (CEL) are responsible for the design of metal decking in temporary and permanent conditions. CEL will also advise the minimum concrete strength, depth and reinforcement required for our composite beam design and to achieve the minimum fire resistance period. CEL will also design the slab including reinforcement requirements under concentrated loads (where known), at openings and edge, and for anti-crack requirements. We will prepare all slab and reinforcement drawings and schedules. However, the responsibility for sitework and day joints are to be with 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 CEL.
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.

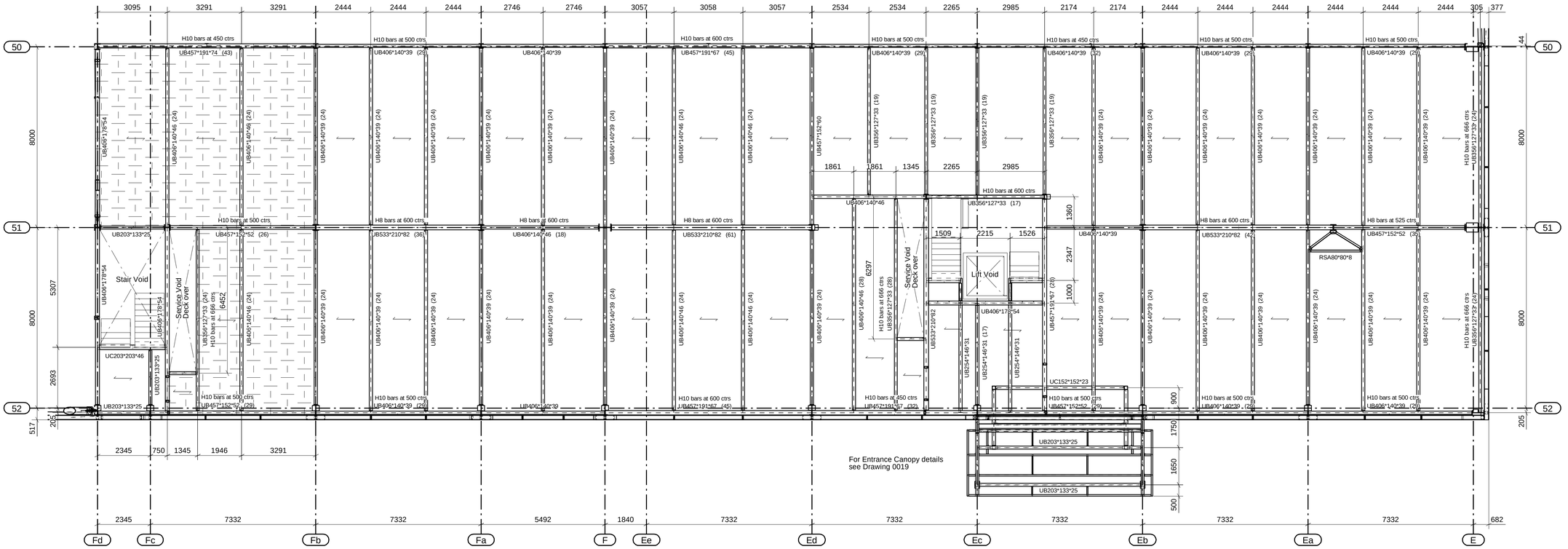


Denotes Decking Span

Denotes TR60 x 1.0mm Decking

Second Floor Plan

Top of Steelwork = 7.650m



For Entrance Canopy details see Drawing 0019

First Floor Plan

Top of Steelwork = 3.650m

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.03.2023
C02	Lift Shaft position altered	30.03.2023
C01	Studs and reinforcement added	02.03.2023
C01	Studs and reinforcement added	02.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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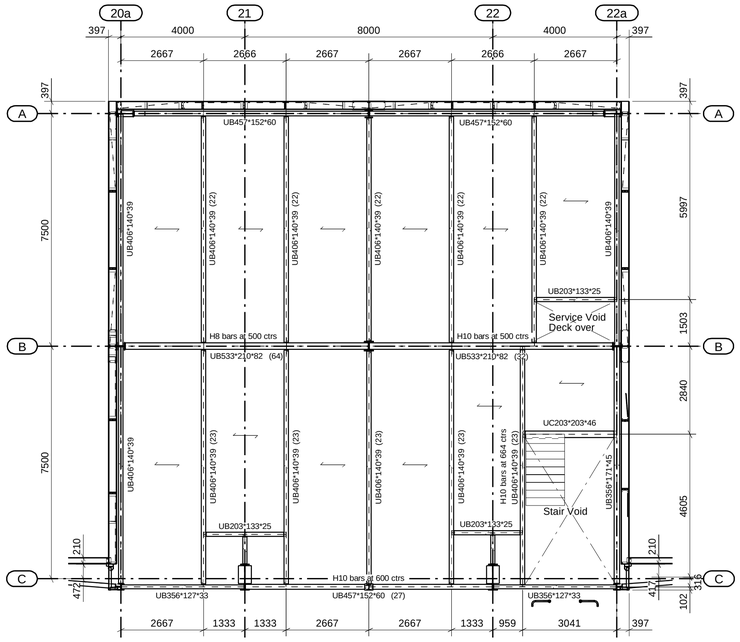
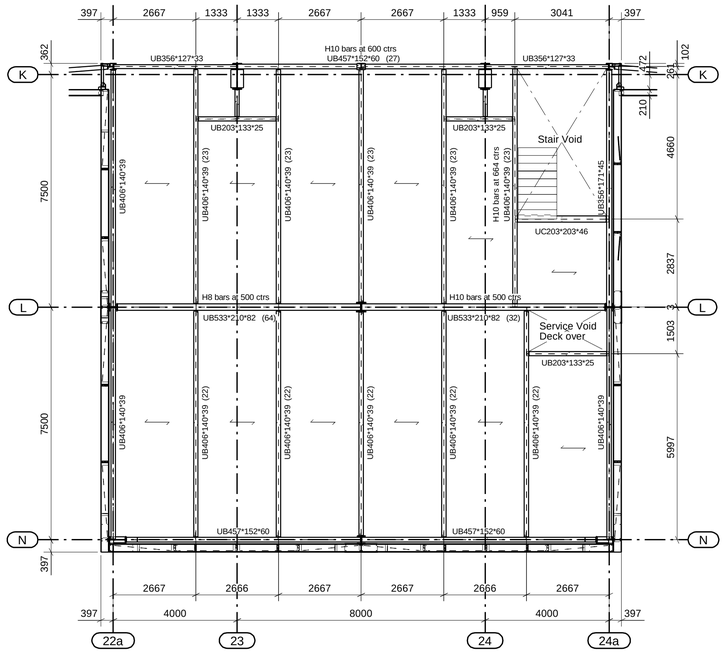
Tech.E-Mail: drawing@caunton.co.uk

Client	Wrnvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket. Suffolk
Drawing Title	Office Floor Plans
Scale	1:100
CEL Job No.	22019
Drawn by	D.Butler
Project Type	Design & Build
Date Created	30.01.2023
Designed Reviewed by	
Date Reviewed	
Drawing Number	P22036-CEL-01-ZZ-DR-X-0009
Revision	B01



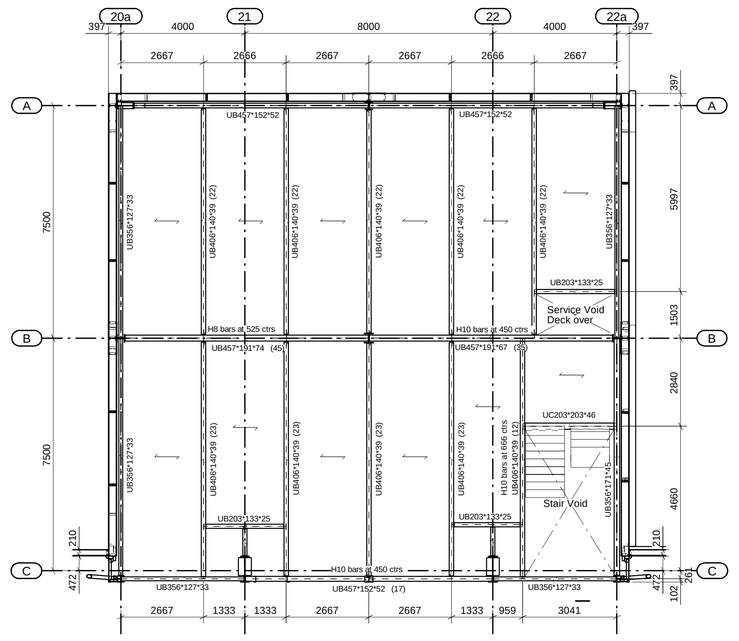
Dis 1 - Second Floor Plan

Top of Steelwork = 7.650m



Dis 2 - Second Floor Plan

Top of Steelwork = 7.650m



Dis 1 - First Floor Plan

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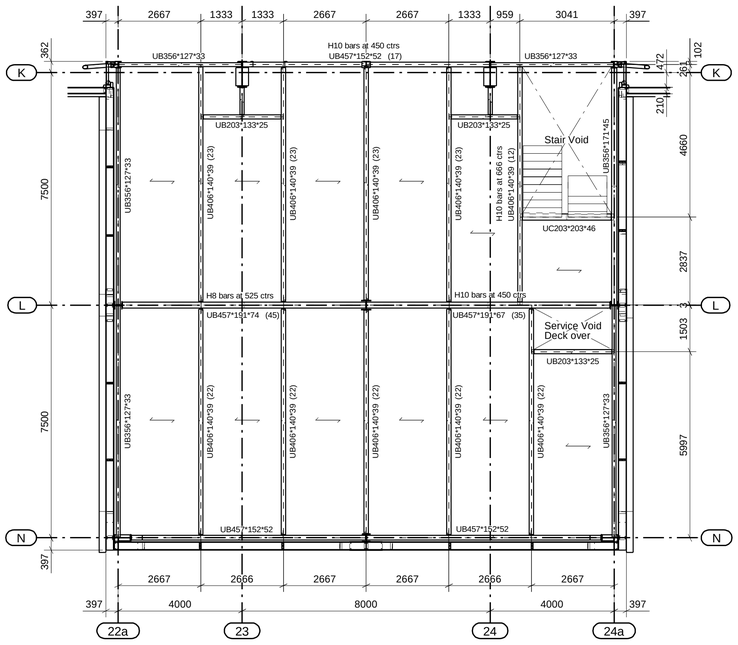

Dis 2 - First Floor Plan

Top of Steelwork = 3.650m

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⟷ Denotes Decking Span

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Studs and reinforcement added	02.03.2023
C01	Studs and reinforcement added	02.03.2023
P02	Stair void altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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Client	Winvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Distribution Office Floor Plans
Scale	1:100
CEL Job No.	22019
Drawn by	D.Butler
Project Type	Design & Build
Date Created	30.01.2023
Designed /Reviewed by	
Date Reviewed	
Drawing No.	P22036-CEL-01-ZZ-DR-X-0010
Revision	B01

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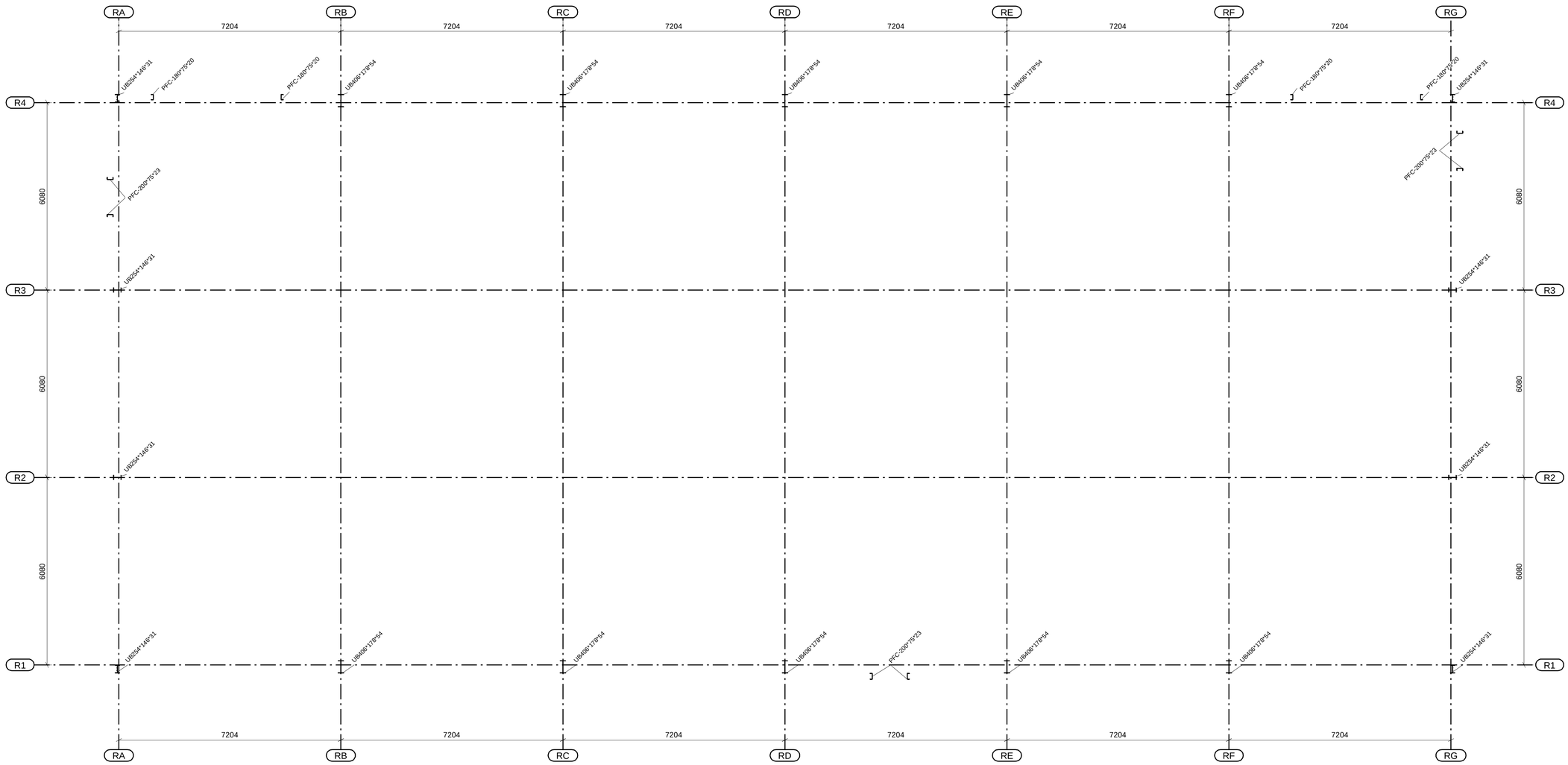

RRU Column Location Plan

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction Issue	09.05.2023
P01	Preliminary Issue	28.02.2023

STATUS : AS BUILT ISSUE

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Client: Wrenvic Construction Ltd.

Project Description: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

Drawing Title: Refuse & Recycle Building
Column Location Plan

Scale: 1:75

CEL Job No.: 22019

Drawn by: D.Butler

Project Type: Design & Build

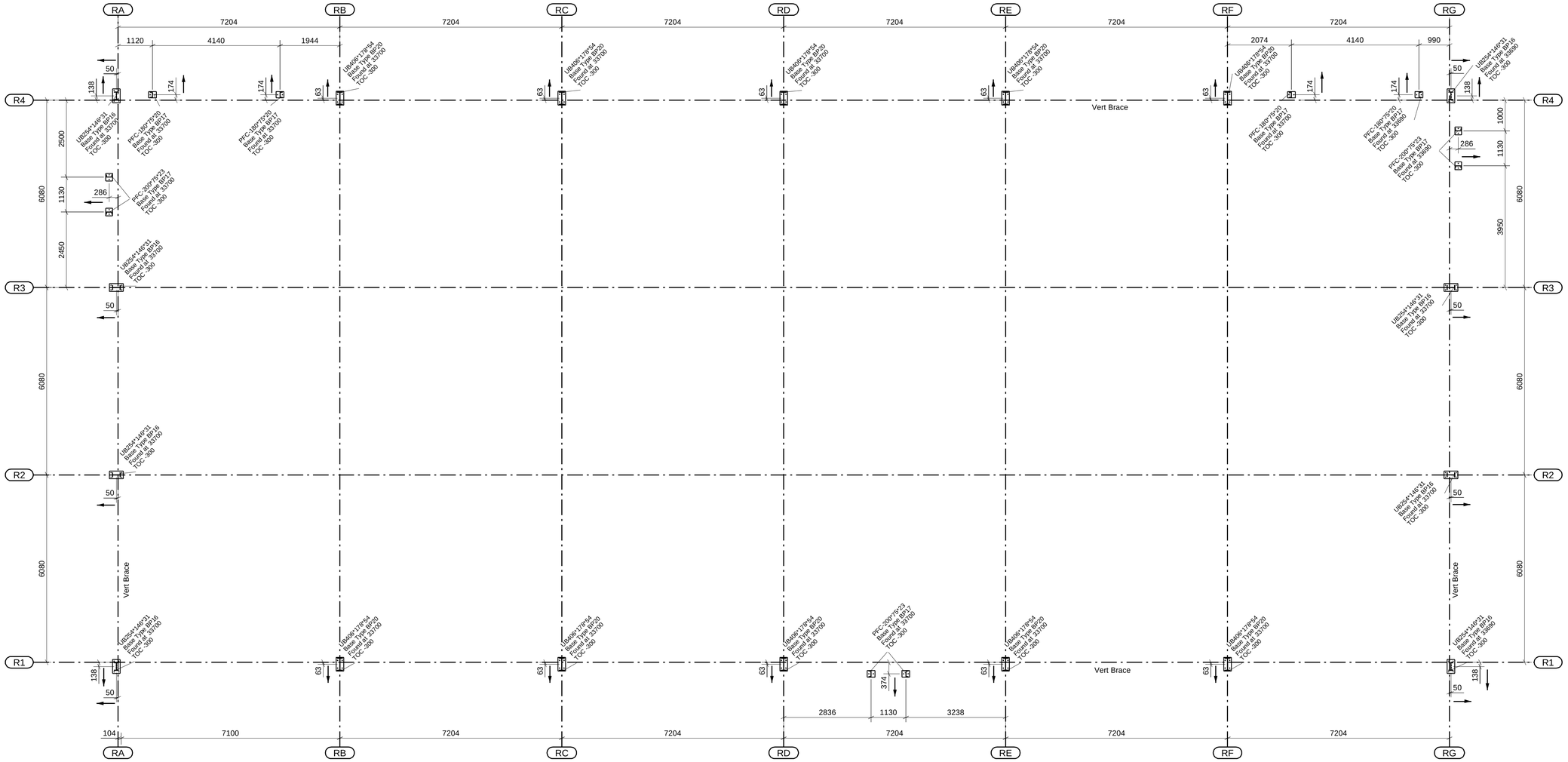
Date Created: 16.02.2023

Designed /Reviewed by

Date Reviewed

Drawing Number: P22036-CEL-RU-00-DR-X-0031

Revision: B01



RRU Foundation Plan

Denotes direction and offset from Grid to centre line of Column

Foundation Level Key

0.000m = 34.000m
-0.300m = 33.700m
-0.675m = 33.325m

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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.

Design Responsibility

22. Caunton are not responsible for the design of the foundation. We have designed the base plate and holding down bolts assuming adequate depth to accommodate the specified bolt embedment and also assume that edge distance does not dictate. The foundation designer is to confirm that the foundation can accommodate the loads, including the design of any additional reinforcement that may be required.

FOR ALL INFORMATION & DIMENSIONS
PLEASE REFER TO BASE TYPE DETAILS

TYPICAL H.D. BOLT DETAIL

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction Issue	09.05.2023
P02	Foundation levels altered	15.03.2023
P01	Preliminary Issue	28.02.2023

STATUS : AS BUILT ISSUE

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Client
Winvic Construction Ltd.

Project Description
Plot 4000, Gateway 14

Site Address
Stowmarket, Suffolk

Drawing Title
Refuse & Recycle Building
Foundation Plan

Scale 1:75		CEL Job No. 22019
Drawn by D.Butler	Project Type Design & Build	Date Created 16.02.2023
Designed Reviewed by		Date Reviewed
Project Company Volume Level Type Role Drawing No. P22036-CEL-RU-FN-DR-X-0032		Revision B01

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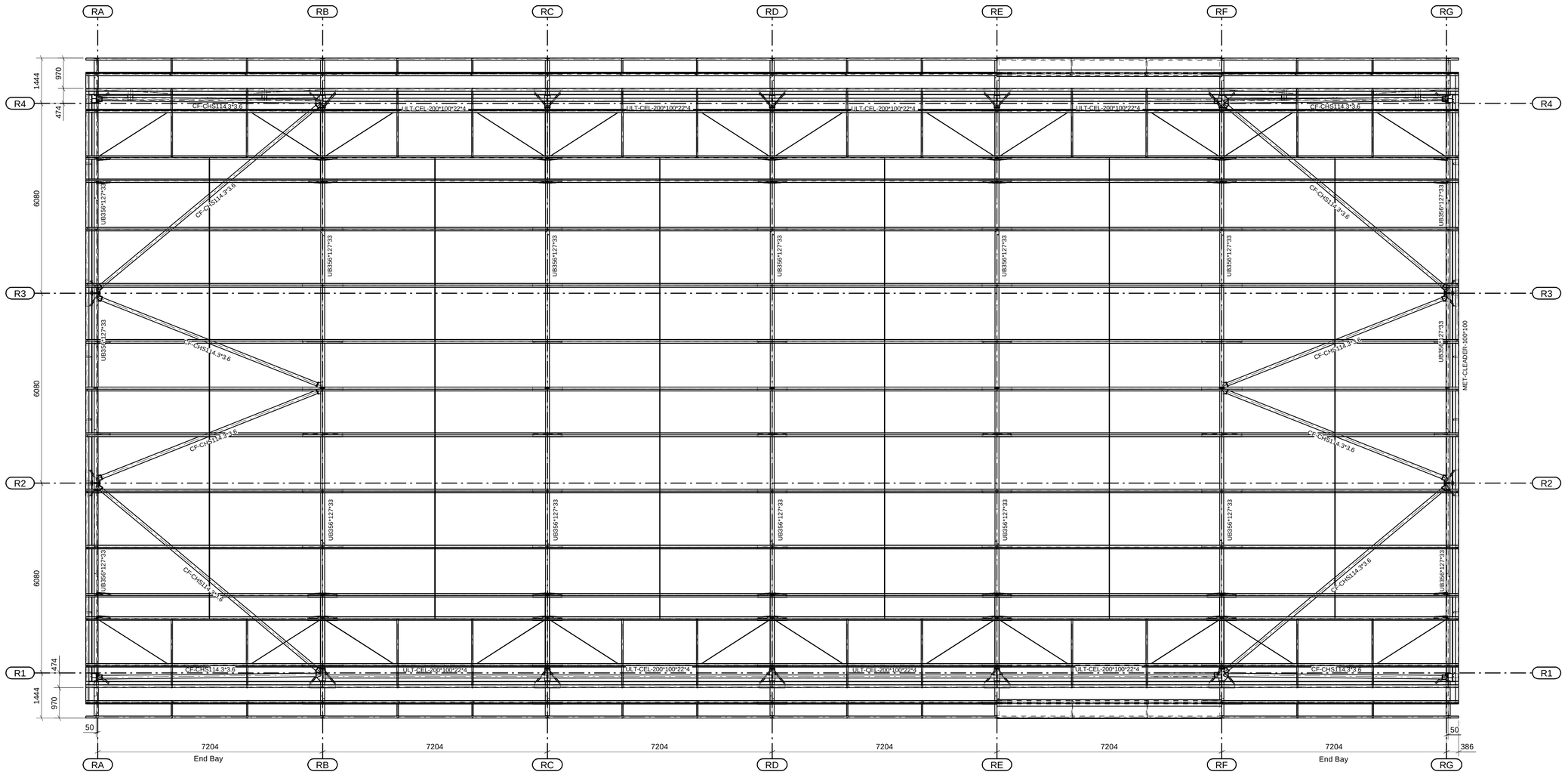

RRU Roof Plan

PURLIN SPEC

Metsec Heavy end bay system
End Bay 232Z18
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 100x100x1.6 supplied by Caunton fitted by others

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.03.2023
C01	Construction Issue	09.05.2023
P01	Preliminary Issue	28.02.2023

STATUS : AS BUILT ISSUE

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Client	Winvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Refuse & Recycle Building Roof Plan

Scale: 1:75		CEL Job No: 22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 16.02.2023
Designed Reviewed by:		Date Reviewed:

Project | Discipline | Volume | Level | Type | Role | Drawing No. — Revision

P22036-CEL-RU-RF-DR-X-0033 — B01

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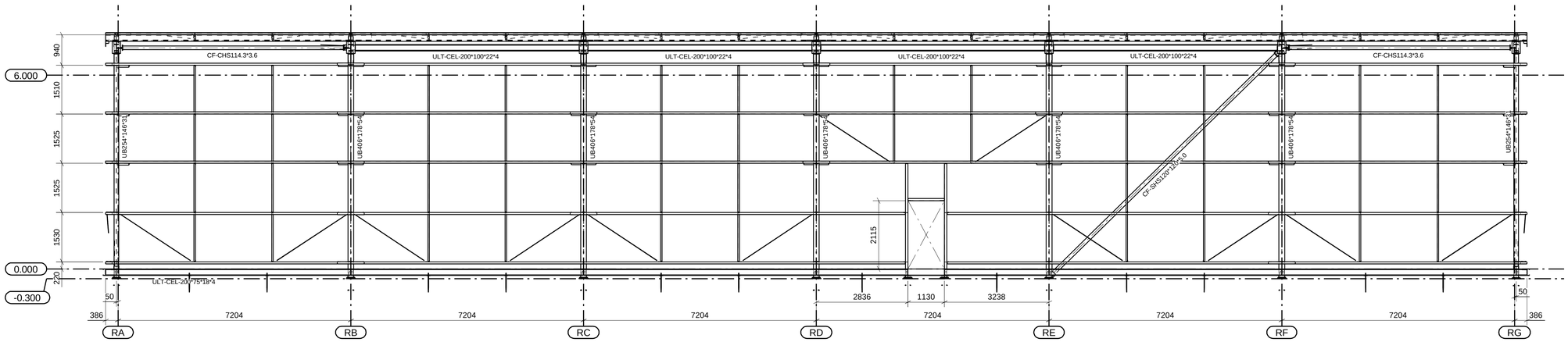
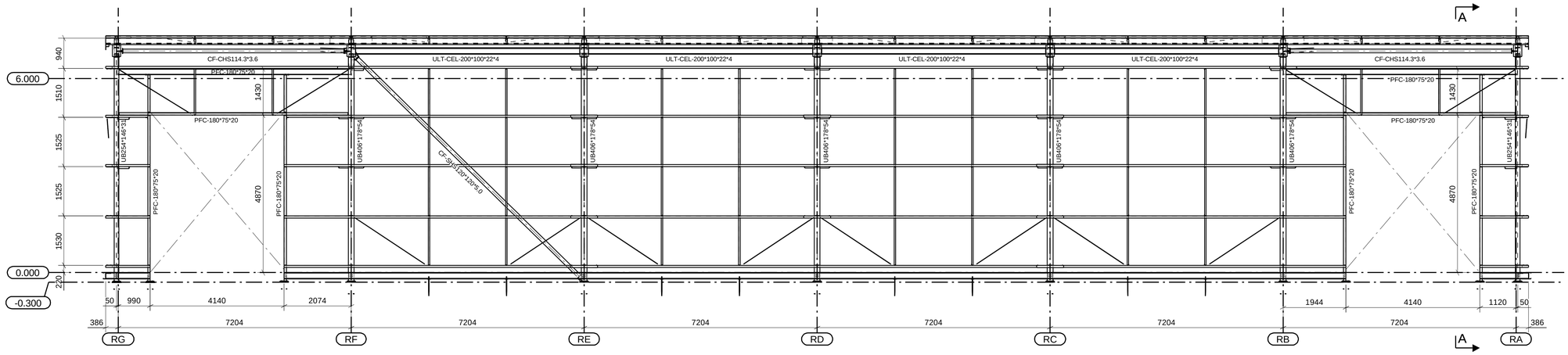


Elevation on Grid R1

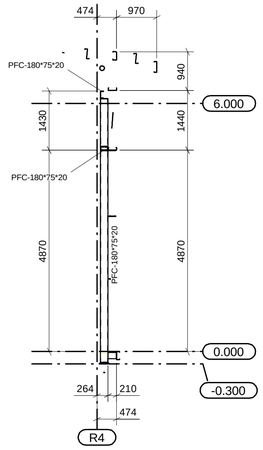
Rail SPEC

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

Cleader angle 100x100x1.6 supplied by Caunton fitted by others



Elevation on Grid R4



A - A

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction Issue	09.05.2023
P01	Preliminary Issue	28.02.2023

STATUS : AS BUILT ISSUE

Caunton Engineering Limited
Moorgreen Industrial Park
Moorgreen, 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: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

Drawing Title: Refuse & Recycle Building
Elevation on Grids R1 and R4

Scale	CEL Job No.
1:75	22019
Drawn by: D.Butler	Project Type: Design & Build
Designed Reviewed by:	Date Created: 16.02.2023
	Date Reviewed:

Project | Originator | Volume | Level | Type | Role | Drawing No.

Revision: B01

P22036-CEL-RU-ZZ-DR-X-0034

A1

General Notes

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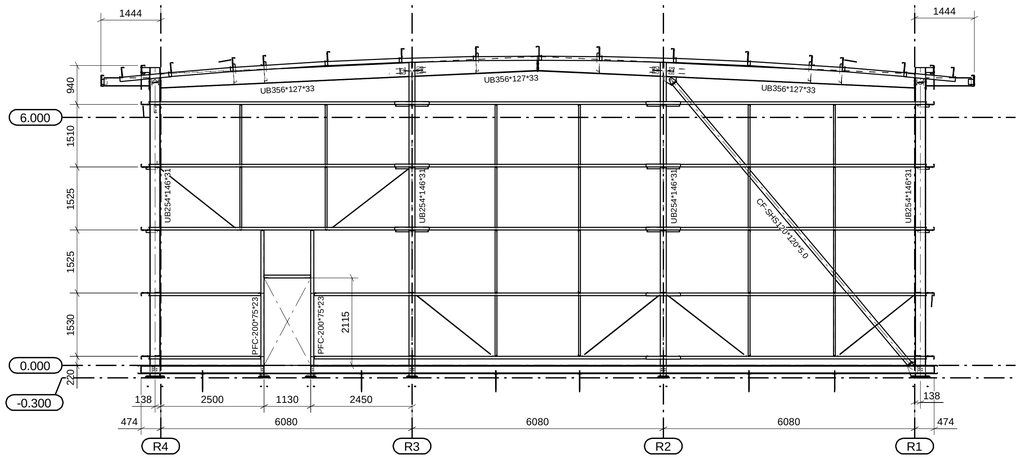
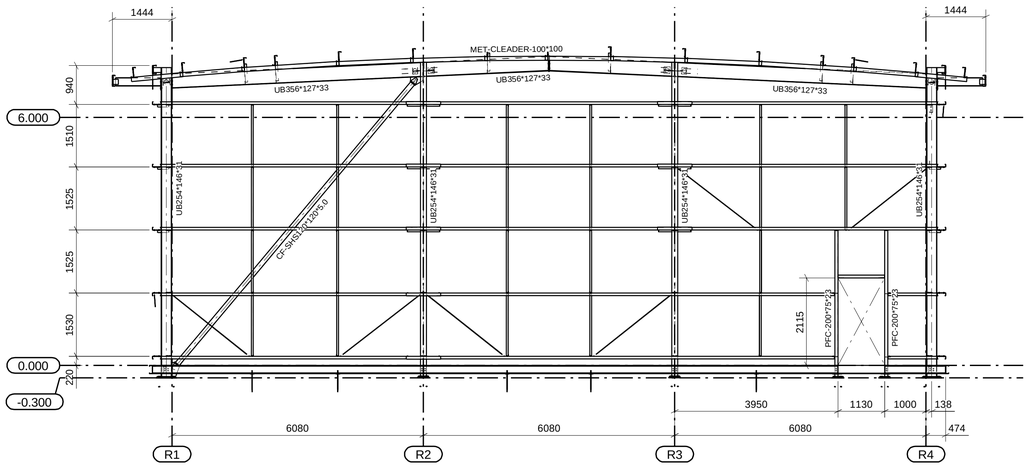


Elevation on Grid RA



Elevation on Grid RG

Rail SPEC

Metsec Sleeved system
OUS Rails 202C15
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SRS = Side rail support
TS = Tubular Strut

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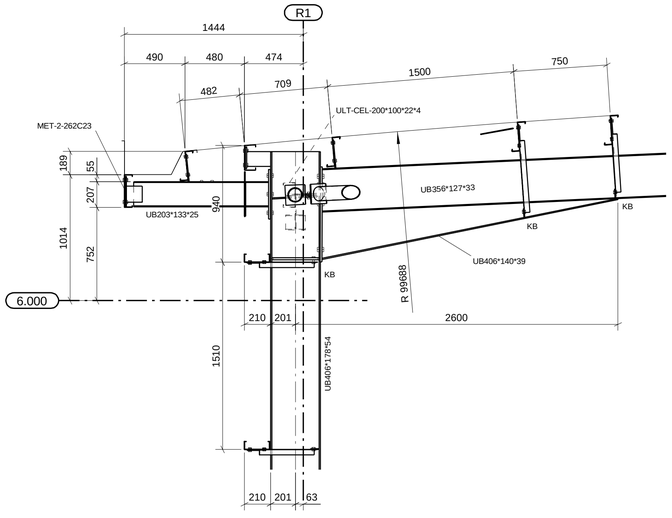
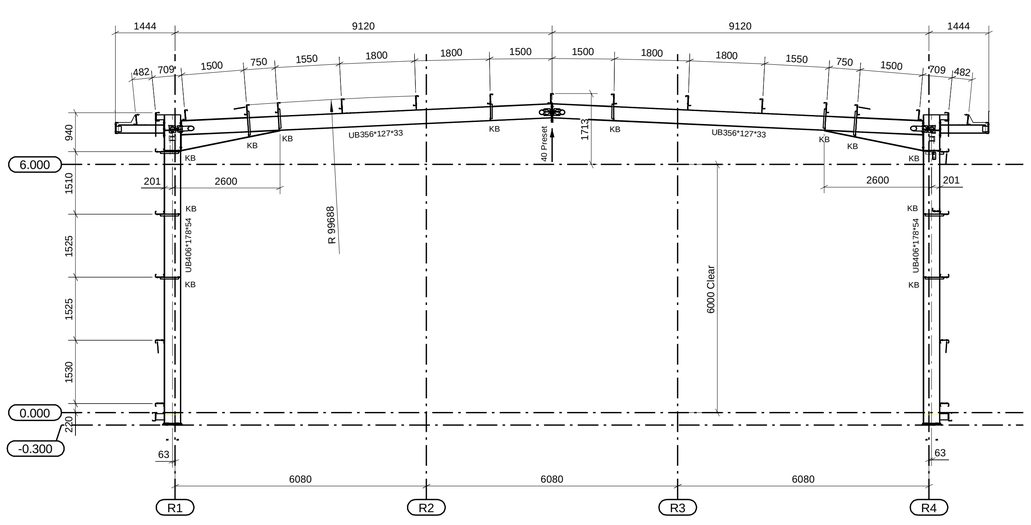


Eaves detail on Grid line R1



Section on Grid line RF

B01	As-Built Issue	17.10.2023
C01	Construction Issue	09.05.2023
P01	Preliminary Issue	28.02.2023
REV. MARK	REVISION DESCRIPTION	REV. DATE

STATUS : AS BUILT ISSUE

caunton ENGINEERING
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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: Wirvic Construction Ltd.

Project Description: Plot 4000, Gateway 14

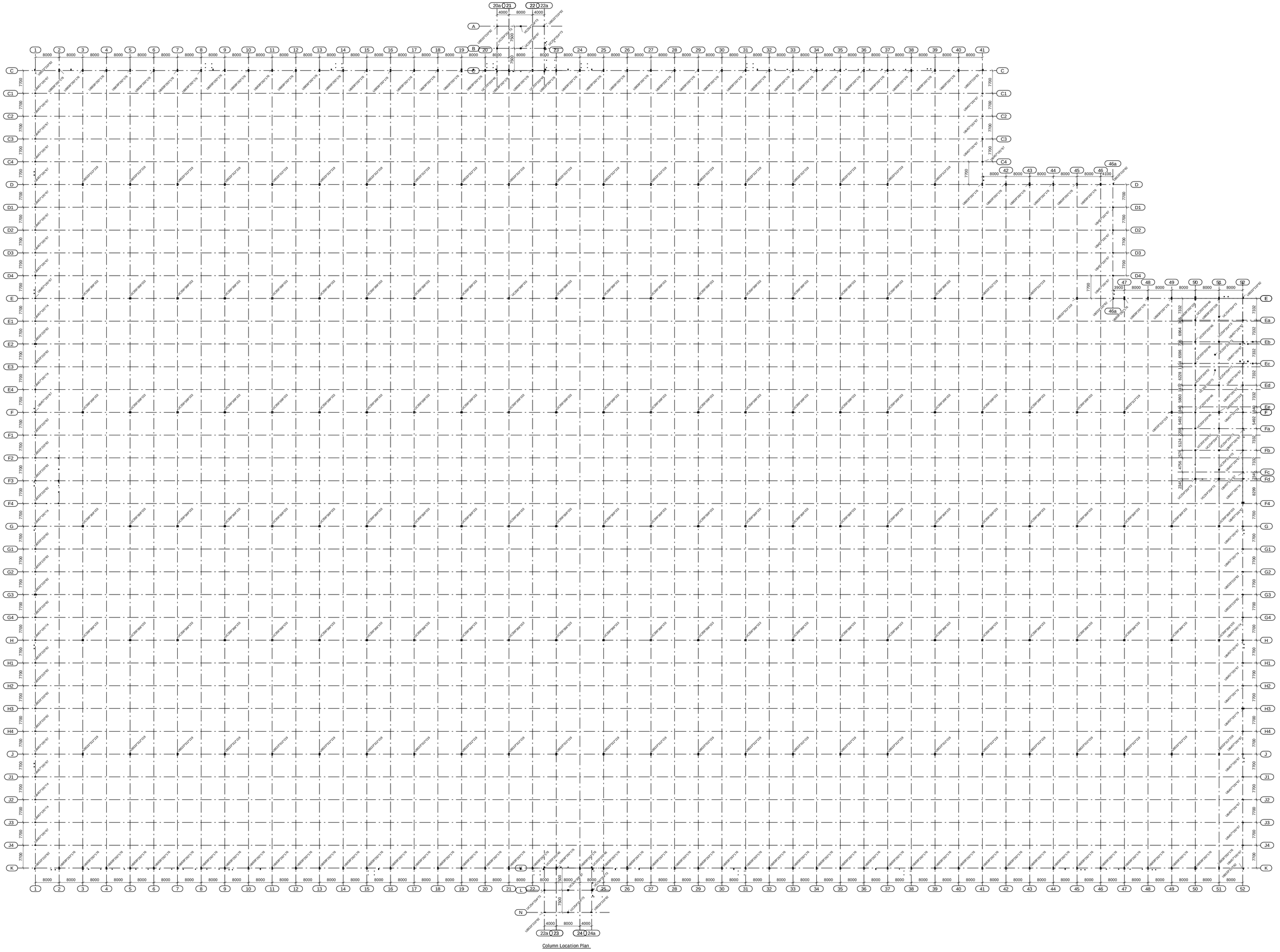
Site Address: Stowmarket, Suffolk

Drawing Title: Refuse & Recycle Building
Elevations on Grid RA, RG and section RF

Scale: 1:25 1:75		CEL Job No.: 22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 16.02.2023
Designed Reviewed by:		Date Reviewed:

Project: P22036 Complex: CEL Volume: RU Level: ZZ Type: DR Role: X Drawing No.: 0035

Revision: B01



Column Location Plan

IF IN DOUBT - ASK!

No copies to be taken without the permission of Caunton Engineering

A0

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B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P03	Column sizes added	22.02.2023
P02	Base plates added. Perimeter columns altered	07.02.2023
P01	Preliminary Issue	26.01.2023
REV. MARK	REVISION DESCRIPTION	REV. DATE

STATUS : AS BUILT ISSUE

caunton
ENGINEERING

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
Plot 4000, Gateway 14

Site Address
Stowmarket, Suffolk

Drawing Title
Column Location Plan

Scale 1:400		CEL Job No. 22019
Drawn by D.Butler	Project Type Design & Build	Date Created 26.01.2023
Designed Reviewed by		Date Reviewed

Project Company Volume Level Type Role Drawing No.
P22036-CEL-W1-00-DR-X-0001

Revision
B01

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.

Design Responsibility

22. Caunton are not responsible for the design of the foundation. We have designed the base plate and holding down bolts assuming adequate depth to accommodate the specified bolt embedment and also assume that edge distance does not dictate. The foundation designer is to confirm that the foundation can accommodate the loads, including the design of any additional reinforcement that may be required.

FOR ALL INFORMATION & DIMENSIONS
PLEASE REFER TO BASE TYPE DETAILS

TYPICAL H.D. BOLT DETAIL

Drawing Key

Foundation Level Key

0.000m = 34.950m
-0.300m = 34.650m
-0.450m = 34.500m
-0.675m = 34.275m
-1.200m = 33.750m
-1.650m = 33.300m

✛ Denotes direction and offset from Grid to centre line of Column

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Top of concrete levels added	28.02.2023
P02	Perimeter columns altered. Base types added	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

caunton
ENGINEERING

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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
Plot 4000, Gateway 14

Site Address
Stowmarket, Suffolk

Drawing Title
Foundation Plan sheet 1 of 4

Scale
1:200 1:6000

CEL Job No.
22019

Drawn by
D.Butler

Project Type
Design & Build

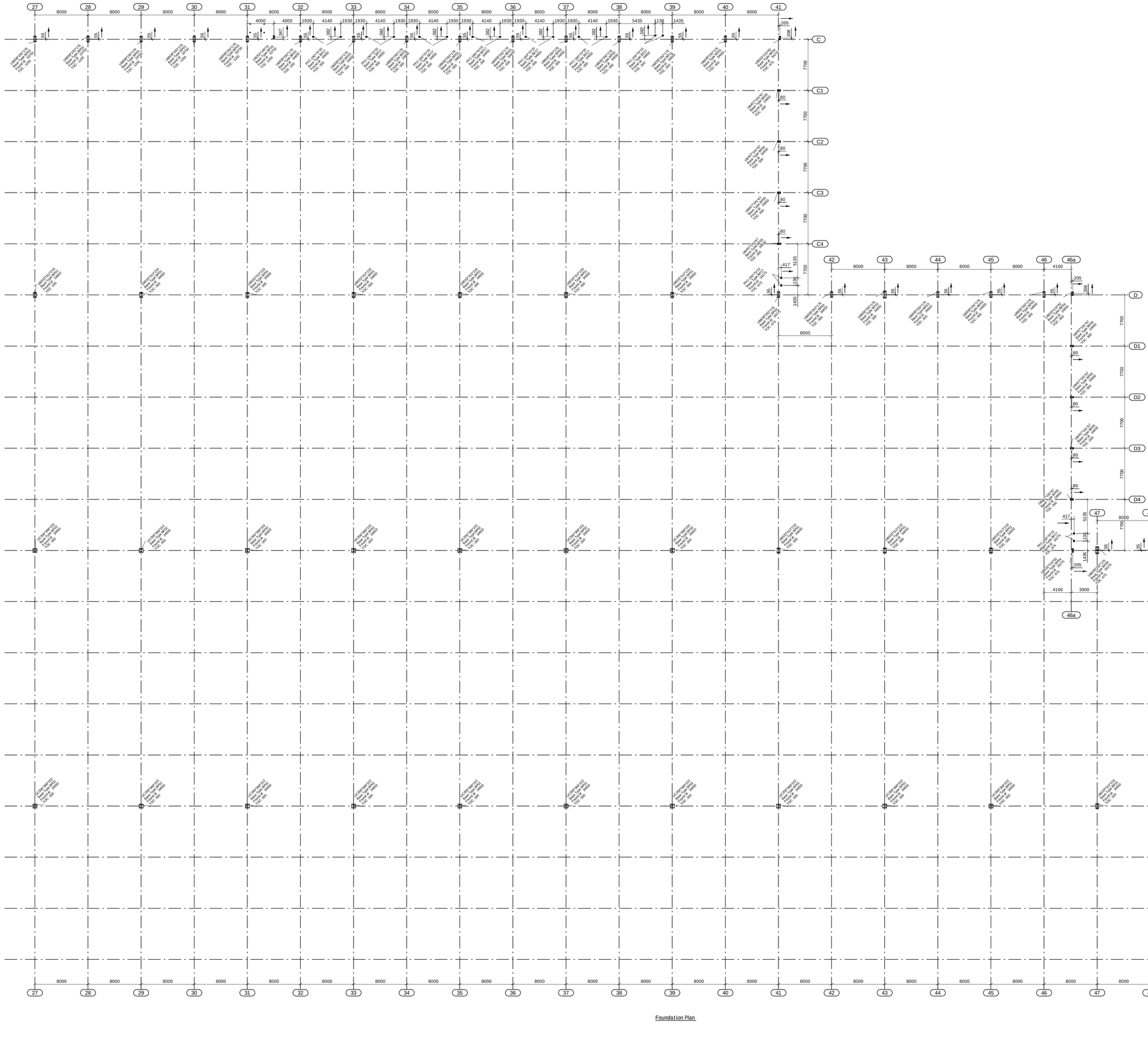
Date Created
27.01.2023

Designed Reviewed by

Date Reviewed

Project Company Volume Level Type Role Drawing No.
P22036-CEL-W1-FN-DR-X-0002

Revision
B01



Foundation Plan

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TYPICAL H.D. BOLT DETAIL

For Entrance Foundations see Drawing 0019

Drawing Key

Foundation Level Key

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-0.450m = 34.500m
-0.650m = 34.300m
-0.675m = 34.275m
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✛ Denotes direction and offset from Grid to centre line of Column

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C03	Base level altered	30.03.2023
C02	Base levels altered	27.03.2023
C01	Top of concrete levels added	28.02.2023
P02	Perimeter columns altered. Base types added	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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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
Plot 4000, Gateway 14

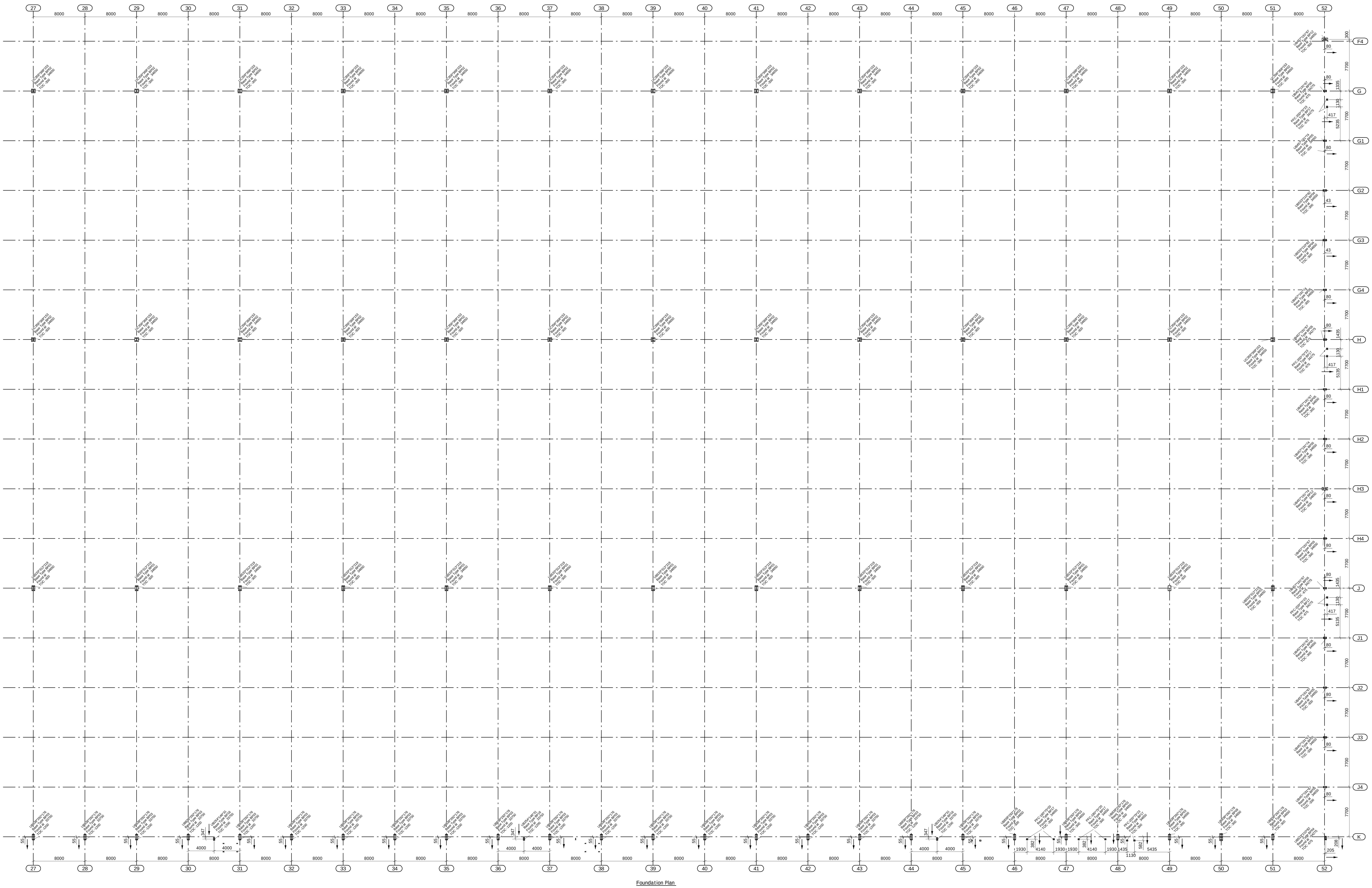
Site Address
Stowmarket, Suffolk

Drawing Title
Foundation Plan sheet 2 of 4

Scale		CEL Job No.
1:200 1:6000		22019
Drawn by	Project Type	Date Created
D.Butler	Design & Build	27.01.2023
Designed Reviewed by		Date Reviewed

Project Company Volume Level Type Role Drawing No.
P22036-CEL-W1-FN-DR-X-0003

Revision
B01



Foundation Plan

IF IN DOUBT - ASK!

A0

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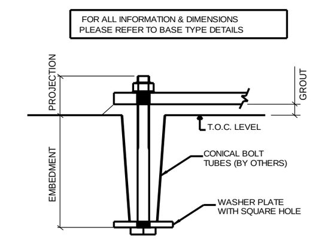
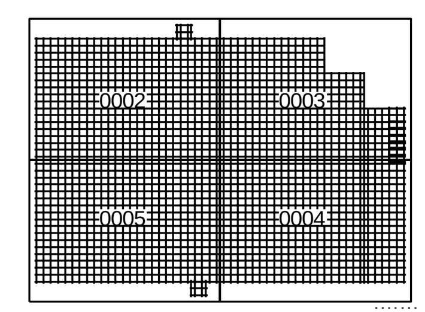


TYPICAL H.D. BOLT DETAIL



Drawing Key

Foundation Level Key

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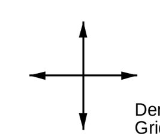
-1.650m = 33.300m



Denotes direction and offset from Grid to centre line of Column

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Top of concrete levels added	28.02.2023
P02	Perimeter columns altered. Base types added	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT 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: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

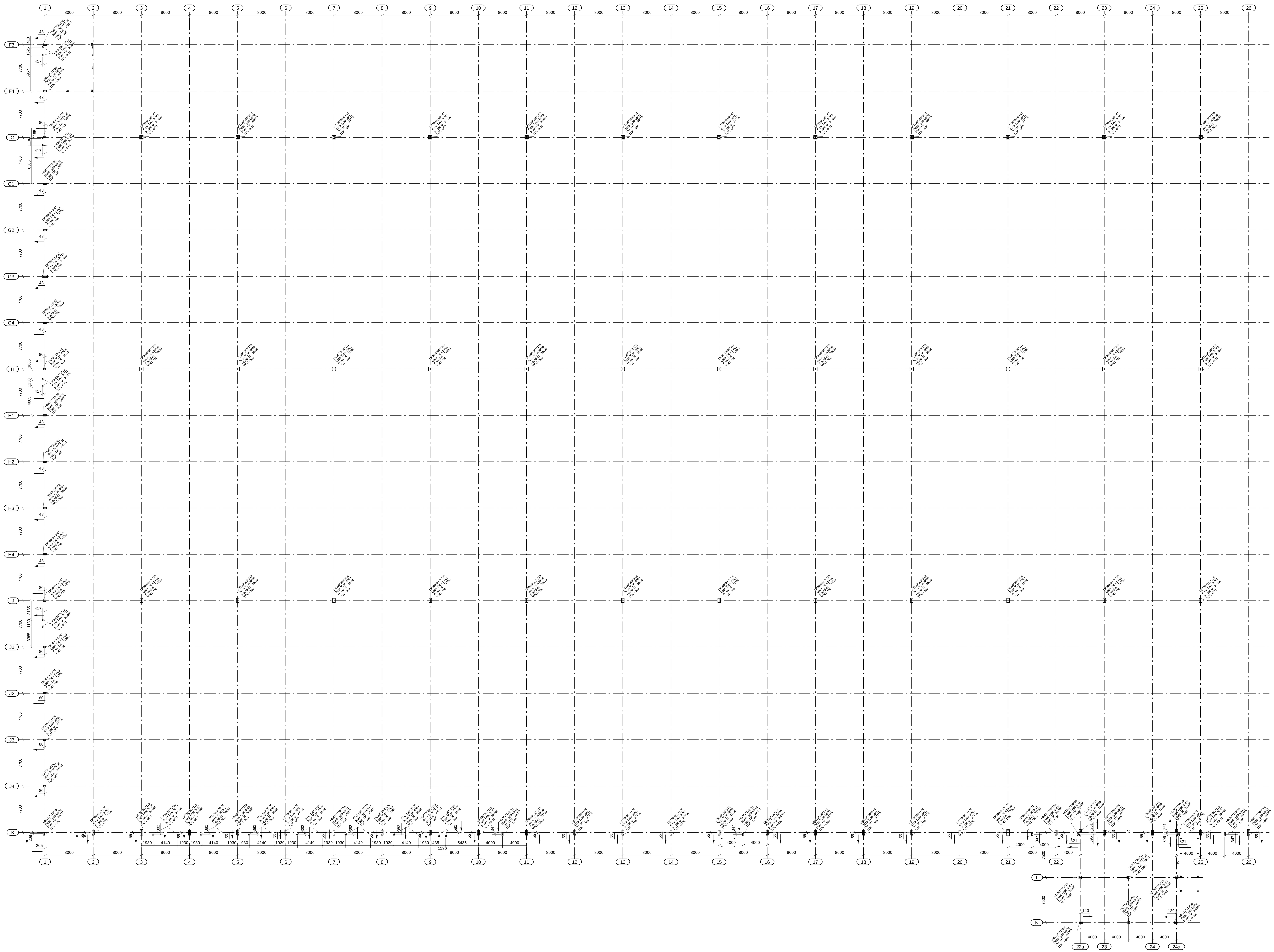
Drawing Title: Foundation Plan sheet 3 of 4

Scale	CEL Job No.
1:200 1:6000	22019

Drawn by	Project Type	Date Created
D.Butler	Design & Build	30.01.2023

Designed Reviewed by	Date Reviewed

Project - Company - Volume - Level - Type - Role - Drawing No.	Revision
P22036-CEL-W1-FN-DR-X-0004	B01



Foundation Plan

IF IN DOUBT - ASK!

No copies to be taken without the permission of Caunton Engineering

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 or Lead Designer for this project.
2. The Lead Designer for this project has responsibility for approving this drawing.
3. The steel frame shown on this drawing has been designed to Eurocode 3.
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 Lead Designer.
6. This drawing is to be read in conjunction with all information produced by the Lead 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 Lead 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.

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.

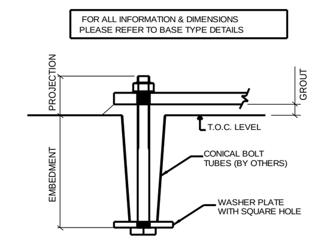
Grouting of Bases

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.

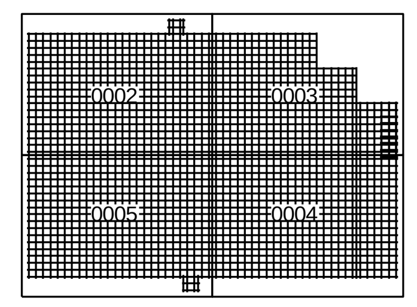
Design Responsibility

22. Caunton are not responsible for the design of the foundation. We have designed the base plate and holding down bolts assuming adequate depth to accommodate the specified bolt embedment and also assume that edge distance does not dictate. The foundation designer is to confirm that the foundation can accommodate the loads, including the design of any additional reinforcement that may be required.

FOR ALL INFORMATION & DIMENSIONS PLEASE REFER TO BASE TYPE DETAILS



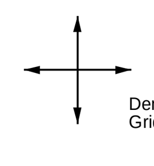
TYPICAL H.D. BOLT DETAIL



Drawing Key

Foundation Level Key

0.000m = 34.950m
-0.300m = 34.650m
-0.450m = 34.500m
-0.675m = 34.275m
-1.200m = 33.750m
-1.650m = 33.300m



Denotes direction and offset from Grid to centre line of Column

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C02	Base levels altered	31.03.2023
C01	Top of concrete levels added	28.02.2023
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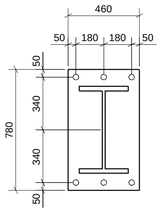
Site Address: Stowmarket, Suffolk

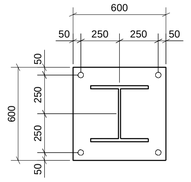
Drawing Title: Foundation Plan sheet 4 of 4

Scale		CEL Job No.
1:200 1:6000		22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 30.01.2023
Designed Reviewed by:		Date Reviewed:
Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-FN-DR-X-0005		Revision: B01



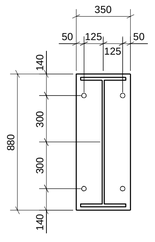
Base Type BP01

533x312x219 UB
HD Bolt type SQ SQ O X
Bolt size M30x600 Gr 8.8
HD Bolt Qty 6
Embedment 480mm
Projection 120mm
Base plate 460x780x35mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



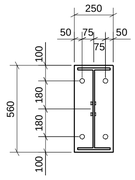
Base Type BP02

356x368x153 UC
HD Bolt type SQ SQ O X
Bolt size M30x600 Gr 8.8
HD Bolt Qty 4
Embedment 480mm
Projection 120mm
Base plate 600x600x30mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



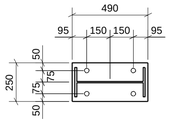
Base Type BP03

838x292x176 UB
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 350x560x15mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



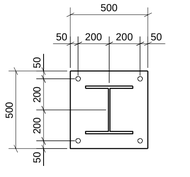
Base Type BP04

533x210x82 UB
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 250x560x15mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



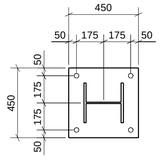
Base Type BP05

456x191x67 UB
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 250x490x15mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



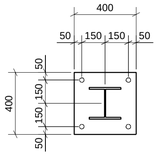
Base Type BP06

305x305x97 UC
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 500x500x20mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



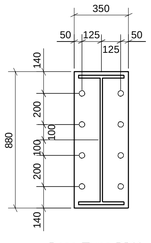
Base Type BP07

254x254x73 UC
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 450x450x20mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



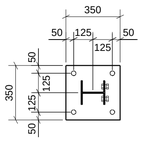
Base Type BP08

203x203x46,52, 60 UC
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 400x400x20mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



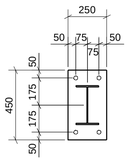
Base Type BP11

838x292x176 UB
HD Bolt type SQ SQ O X
Bolt size M30x600 Gr 8.8
HD Bolt Qty 8
Embedment 480mm
Projection 120mm
Base plate 350x880x30mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



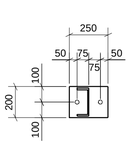
Base Type BP15

152x152x23 UC
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 350x350x15mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



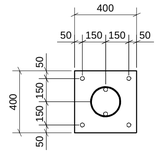
Base Type BP16

254x146x31 UB
HD Bolt type SQ SQ O X
Bolt size M20x300 Gr 8.8
HD Bolt Qty 4
Embedment 200mm
Projection 100mm
Base plate 250x450x15mm
Washer plate 100Sq x 15 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



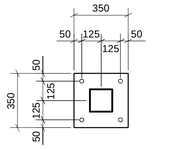
Base Type BP17

180x75 PFC
HD Bolt type SQ SQ O X
Bolt size M20x300 Gr 8.8
HD Bolt Qty 2
Embedment 200mm
Projection 100mm
Base plate 200x250x15mm
Washer plate 100Sq x 15 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



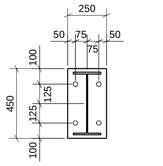
Base Type BP18

193.7 x 5.0 CHS
HD Bolt type SQ SQ O X
Bolt size M20x300 Gr 8.8
HD Bolt Qty 4
Embedment 200mm
Projection 100mm
Base plate 400x400x15mm
Washer plate 100Sq x 15 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



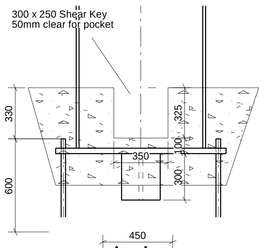
Base Type BP19

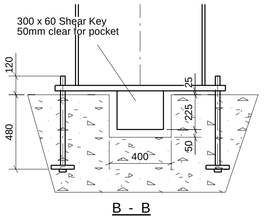
150x150x5.0 SHS
HD Bolt type SQ SQ O X
Bolt size M20x300 Gr 8.8
HD Bolt Qty 4
Embedment 200mm
Projection 100mm
Base plate 350x350x15mm
Washer plate 100Sq x 15 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



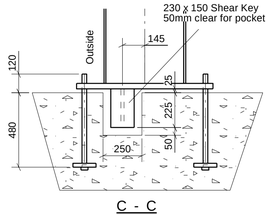
Base Type BP20

406x178x54 UB
HD Bolt type SQ SQ O X
Bolt size M24x450 Gr 8.8
HD Bolt Qty 4
Embedment 350mm
Projection 100mm
Base plate 250x450x15mm
Washer plate 120Sq x 20 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²

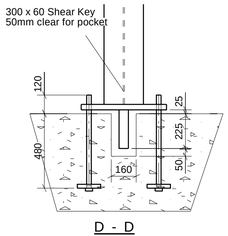




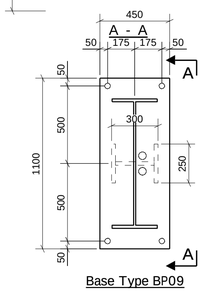
B - B



C - C

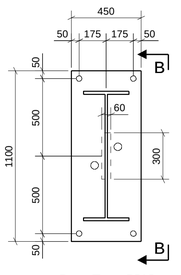


D - D



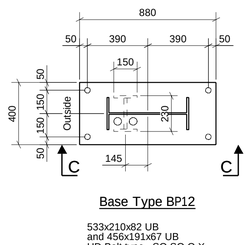
Base Type BP09

838x292x176 UB
HD Bolt type SQ SQ O X
Bolt size M30x600 Gr 8.8
HD Bolt Qty 4
Embedment 480mm
Projection 120mm
Base plate 450x1100x35mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



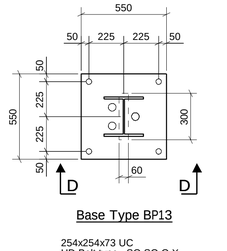
Base Type BP10

838x292x176 UB
HD Bolt type SQ SQ O X
Bolt size M30x600 Gr 8.8
HD Bolt Qty 4
Embedment 480mm
Projection 120mm
Base plate 450x1100x35mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



Base Type BP12

533x210x82 UB
and 456x191x67 UB
HD Bolt type SQ SQ O X
Bolt size M30x600 Gr 8.8
HD Bolt Qty 4
Embedment 480mm
Projection 120mm
Base plate 400x880x35mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²



Base Type BP13

254x254x73 UC
HD Bolt type SQ SQ O X
Bolt size M30x600 Gr 8.8
HD Bolt Qty 4
Embedment 480mm
Projection 120mm
Base plate 550x550x35mm
Washer plate 150Sq x 25 thk
Weld see calc sheet
Grout 25mm non shrink
32/40 N/mm²

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

A1

General Notes

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3. All levels are in metres unless noted otherwise
4. Erection mark for orientation denoted ▼
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6. All other formats of this drawing (e.g. DWG/AutoCad) are un-controlled and are used at your own risk.

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2. The Lead Designer for this project has responsibility for approving this drawing.
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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)
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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

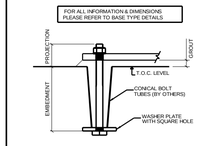
17. If any holding down bolt is damaged after installation the Principal Contractor must report the matter to Caunton Engineering.
18. If a grade 8.8 holding down bolt is bent after installation no attempt should be made to straighten it as this may lead to the bolt fracturing.

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.

Design Responsibility

22. Caunton are not responsible for the design of the foundation. We have designed the base plate and holding down bolts assuming adequate depth to accommodate the specified bolt embedment and also assume that edge distance does not dictate. The foundation designer is to confirm that the foundation can accommodate the loads, including the design of any additional reinforcement that may be required.



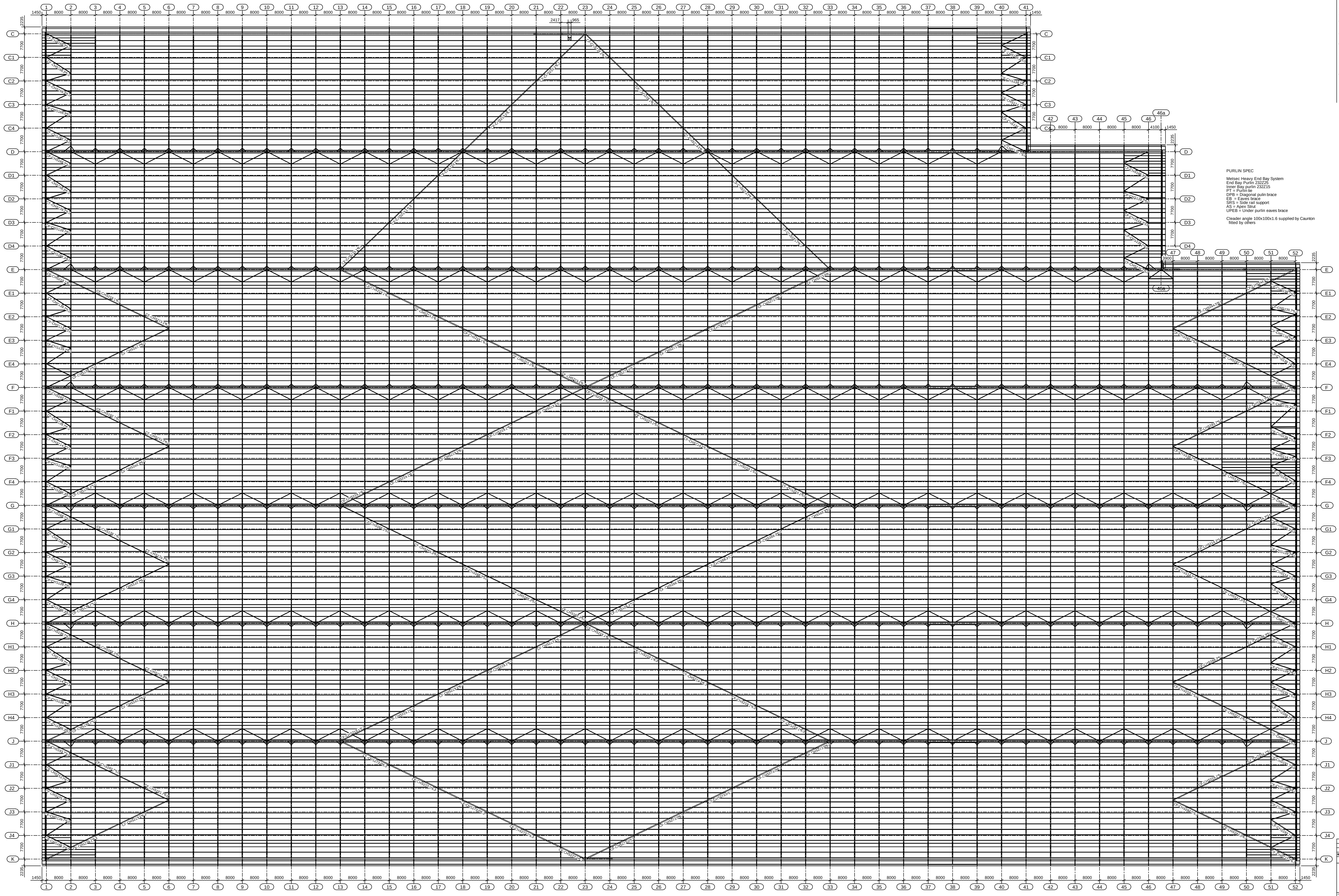
TYPICAL H.D. BOLT DETAIL

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Base type BP20 added	28.02.2023
P01	Preliminary Issue	10.02.2023

STATUS : AS BUILT ISSUE

caunton ENGINEERING
Caunton Engineering Limited
Moorgreen Industrial Park
Moorgreen, Newthorpe, NG15 9GU
TEL: 01773-531113 FAX: 01773-532020
Web: www.caunton.co.uk
Tech E-Mail: drawing@caunton.co.uk

Client	Winvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Base Plate Details
Scale	1:20 1:400
CEL Job No.	22019
Drawn By	D.Butler
Project Type	Design & Build
Date Created	30.01.2023
Designed Reviewed by	
Date Reviewed	
Status	P22036-CEL-W1-FN-DR-X-0006
Revision	B01



Warehouse Roof Plan

PURLIN SPEC

Metsec Heavy End Bay System
End Bay Purlin 232Z25
Inner Bay purlin 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 100x100x1.6 supplied by Caunton fitted by others

Steelwork Members UOS

Rafter 610x178x92 UB
Gable Rafter 406x102x39 UB
Valley Beam 610x229x125 UB
Sway Brace 200x100x22x4 CEL
Eaves Tie 200x100x22x4 CEL
Valley Brace 70x70x6 RSA

IF IN DOUBT - ASK! A0

General Notes

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Project Notes

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2. The Principal Designer for this project has responsibility for approving this drawing.
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REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built issue	17.10.23
C01	Construction issue	03.03.23
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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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: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

Drawing Title: Warehouse Roof Plan

Scale		CEL Job No.
1:400		22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 30.01.2023
Designed Reviewed by:		Date Reviewed:

Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-RF-DR-X-0011 — Revision: B01

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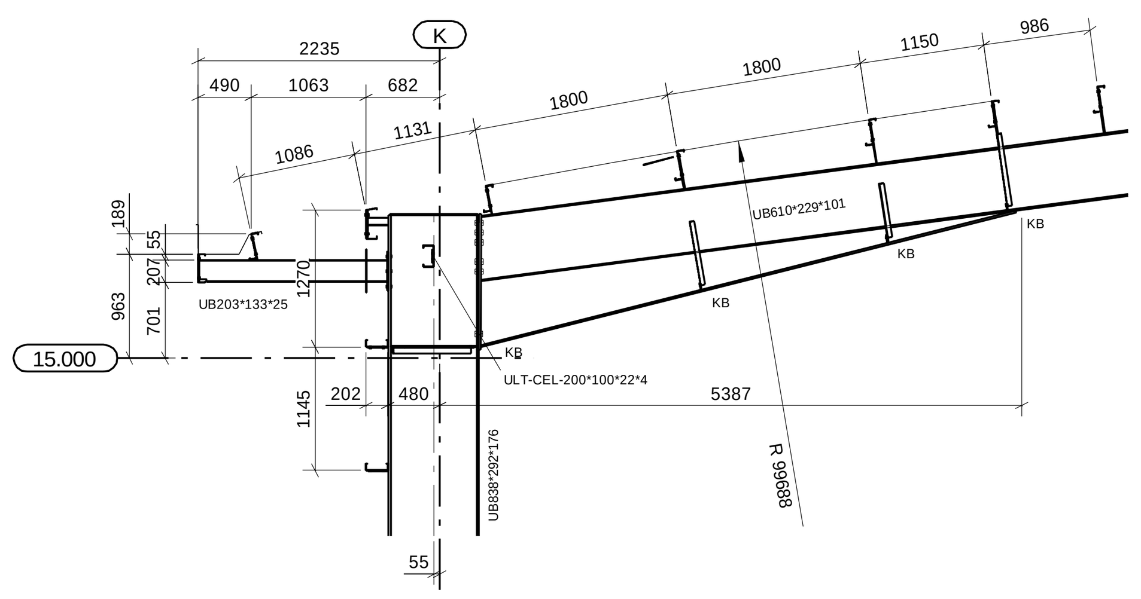
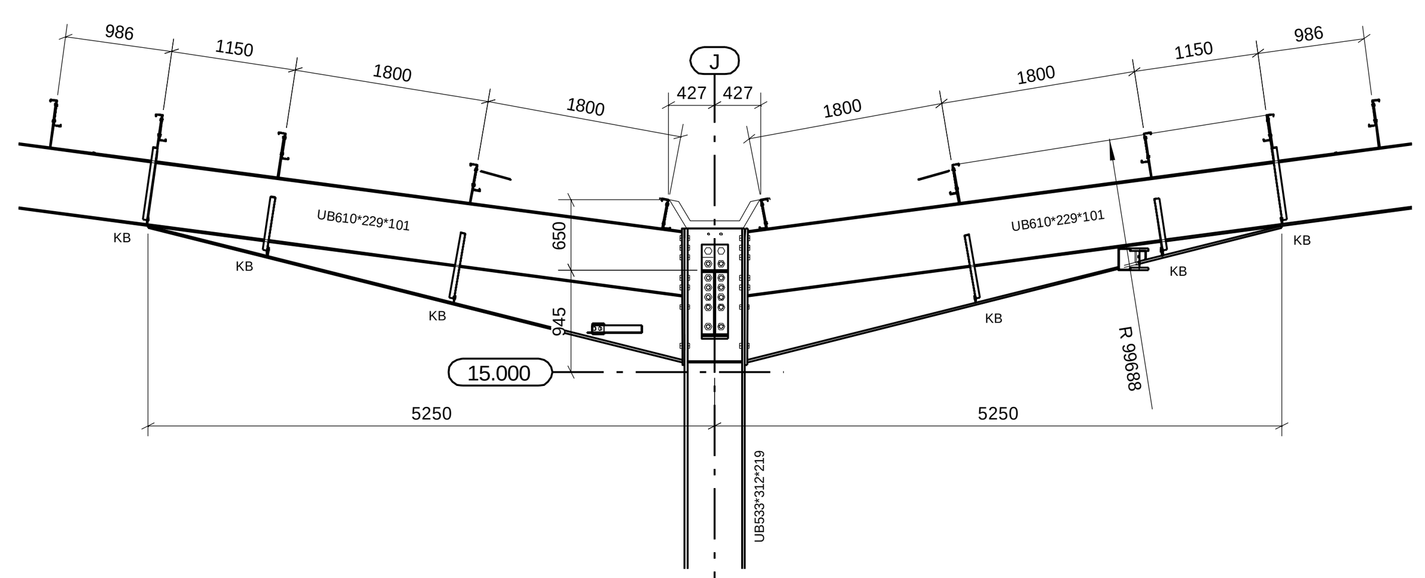
Section on Grid line 39



Eaves detail on Grid line K



Valley detail on Grid line J

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	26.01.2023

STATUS : AS BUILT ISSUE

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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: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

Drawing Title: Section on Grid line 39

Scale		CEL Job No.
1:50 1:125		22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 10.01.2023
Designed Reviewed by		Date Reviewed

Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-ZZ-DR-X-0007

Revision: B01

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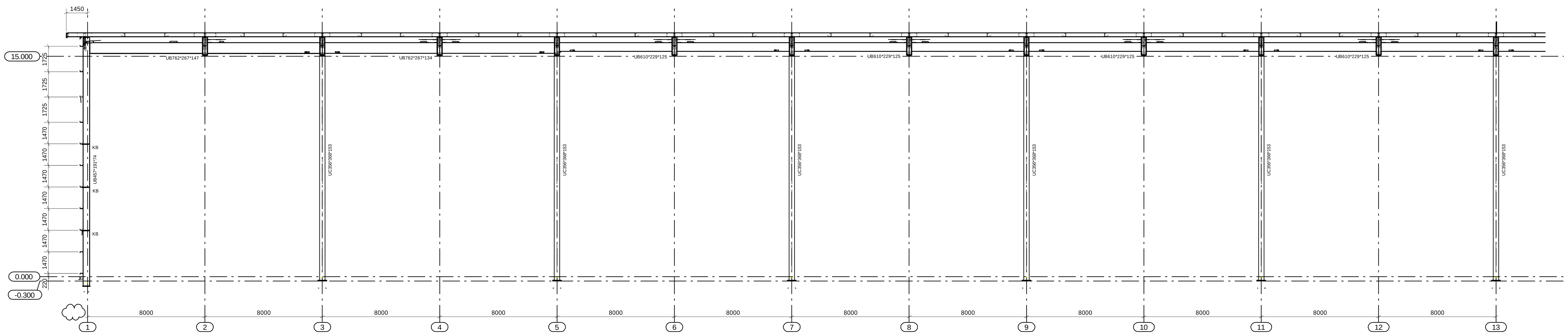
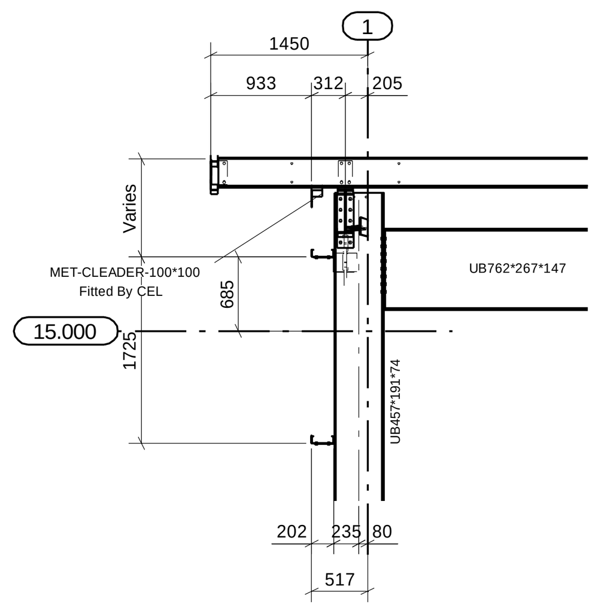
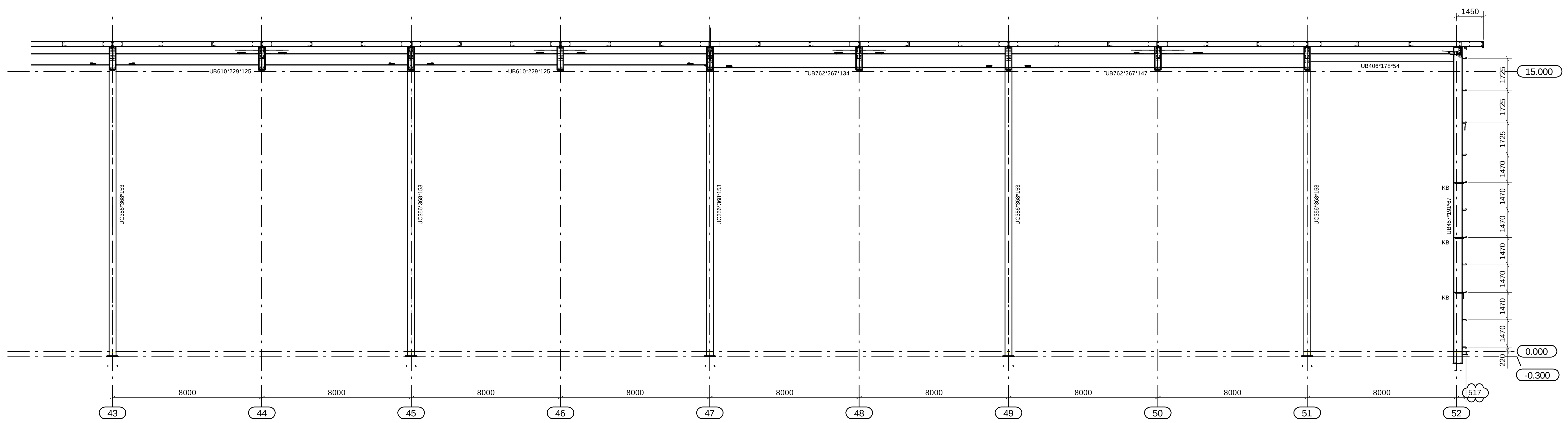


Section on Grid line H



Verge detail on Grid line 1



Section on Grid line H

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	26.01.2023

STATUS : AS BUILT ISSUE

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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: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

Drawing Title: Section on Grid line H

Scale: 1:50 1:125

CEL Job No.: 22019

Drawn by: D.Butler

Project Type: Design & Build

Date Created: 26.01.2023

Designed Reviewed by:

Date Reviewed:

Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-ZZ-DR-X-0008

Revision: B01

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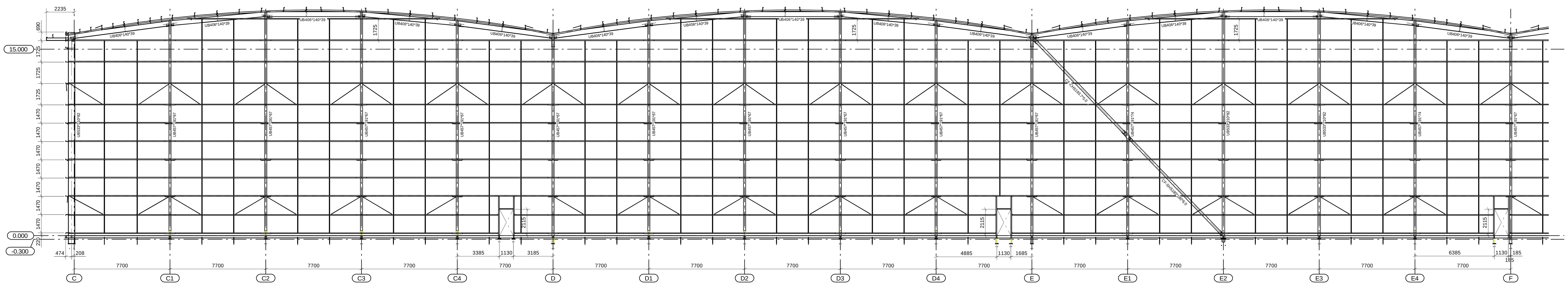
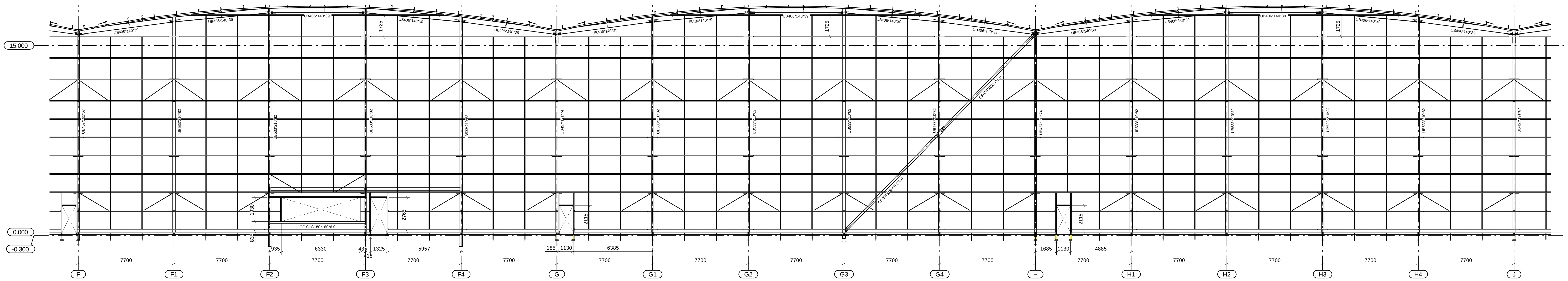


Elevation on Grid line 1

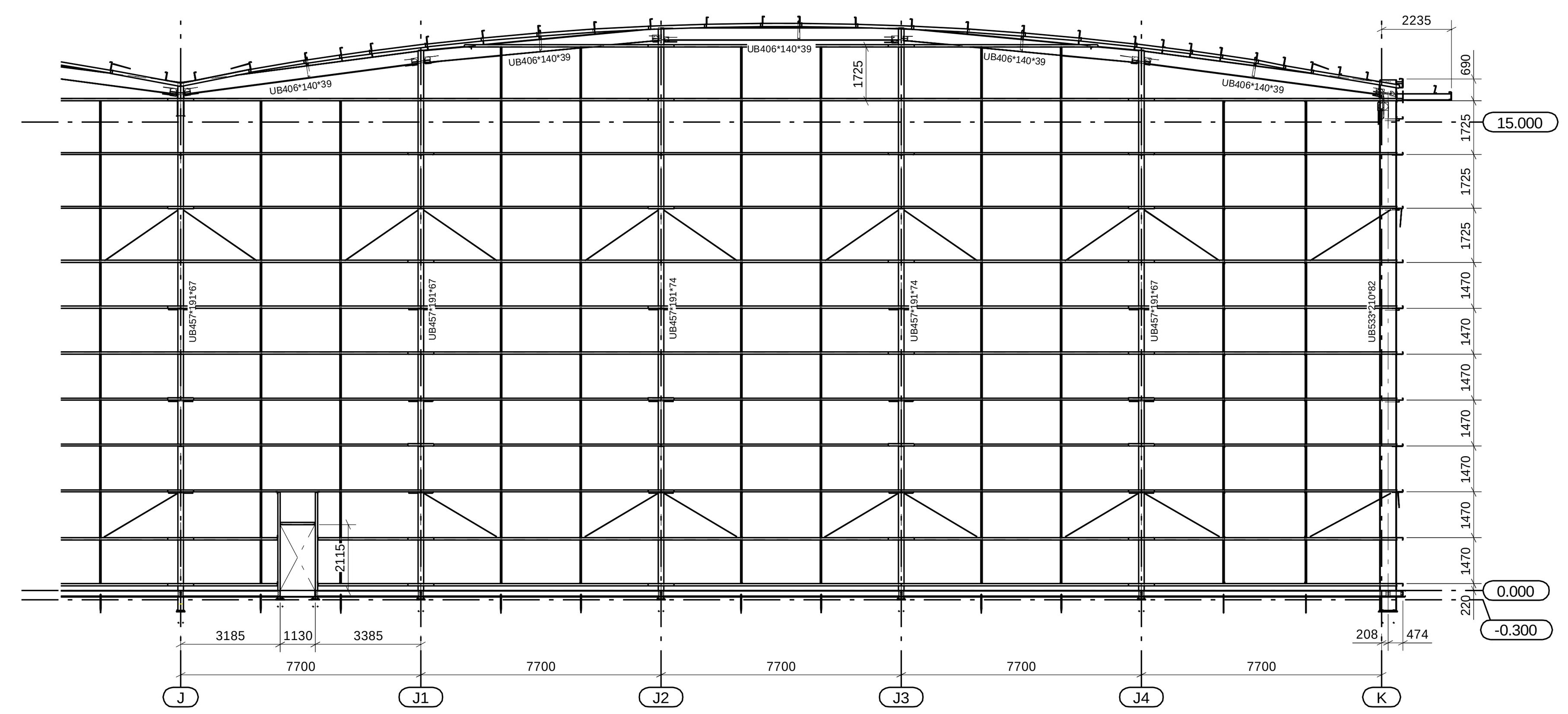


Elevation on Grid line 1

Rail SPEC

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

Cleader angle 100x100x1.6 supplied by Caunton
fitted by others



Elevation on Grid line 1

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P02	Sheeting line altered. Door and window moved	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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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

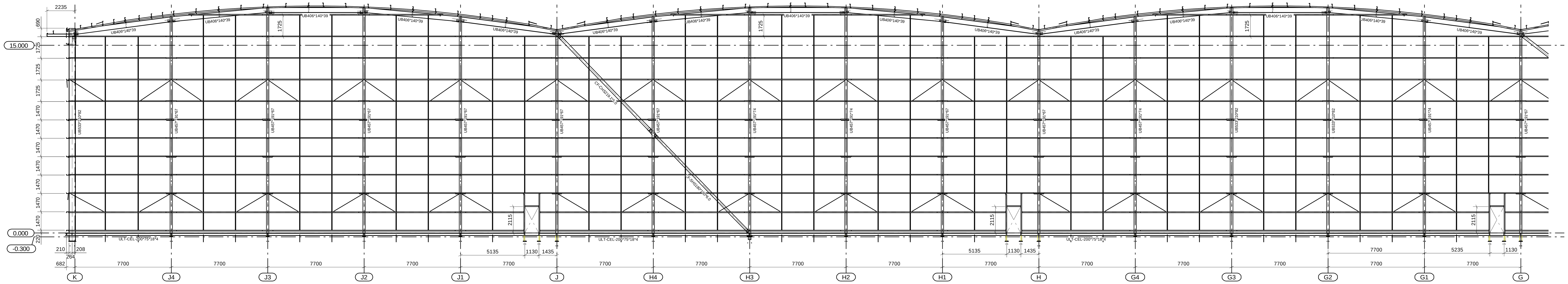
Client: Winvic Construction Ltd.

Project Description: Plot 4000, Gateway 14

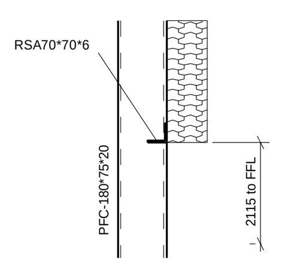
Site Address: Stowmarket, Suffolk

Drawing Title: Elevation on Grid line 1

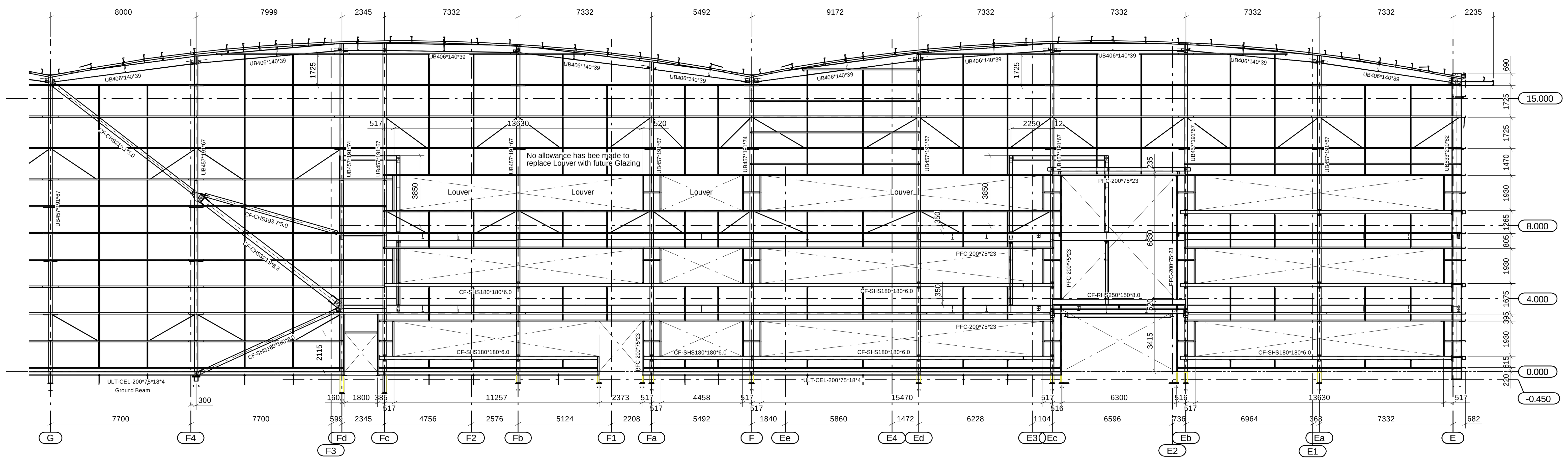
Scale: 1:125	CEL Job No.: 22019
Drawn by: D.Butler / Project Type: Design & Build	Date Created: 30.01.2023
Designed Reviewed by:	Date Reviewed:
Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-ZZ-DR-X-0012	Revision: B01



Elevation on Grid line 52



Whitewall Door head



Elevation on Grid line 52

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REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C03	Ground Beam replaced	11.07.2023
C02	Ground Beam removed	18.04.2023
C01	Steelwork sizes altered	03.03.2023
P03	Ground beam removed	22.02.2023
P02	Sheeting line altered. Door altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

caunton ENGINEERING

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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: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

Drawing Title: Elevation on Grid line 52

Scale: 1:20 1:125		CEL Job No.: 22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 31.01.2023
Designed Reviewed by:		Date Reviewed:
Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-ZZ-DR-X-0013		Revision: B01

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A1

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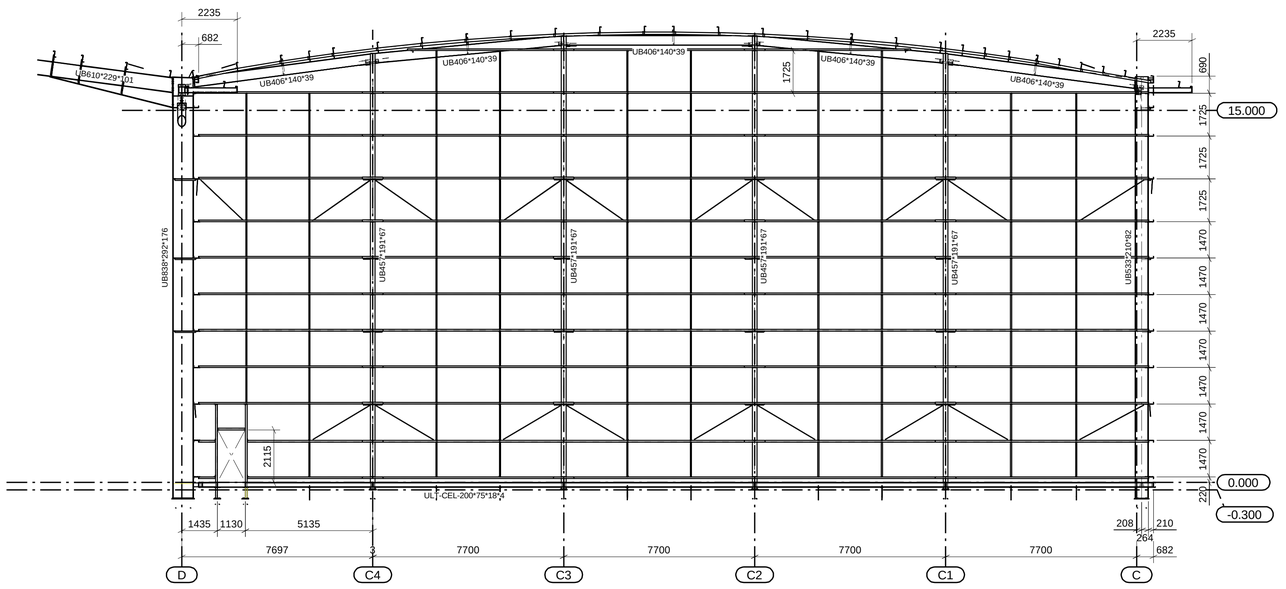
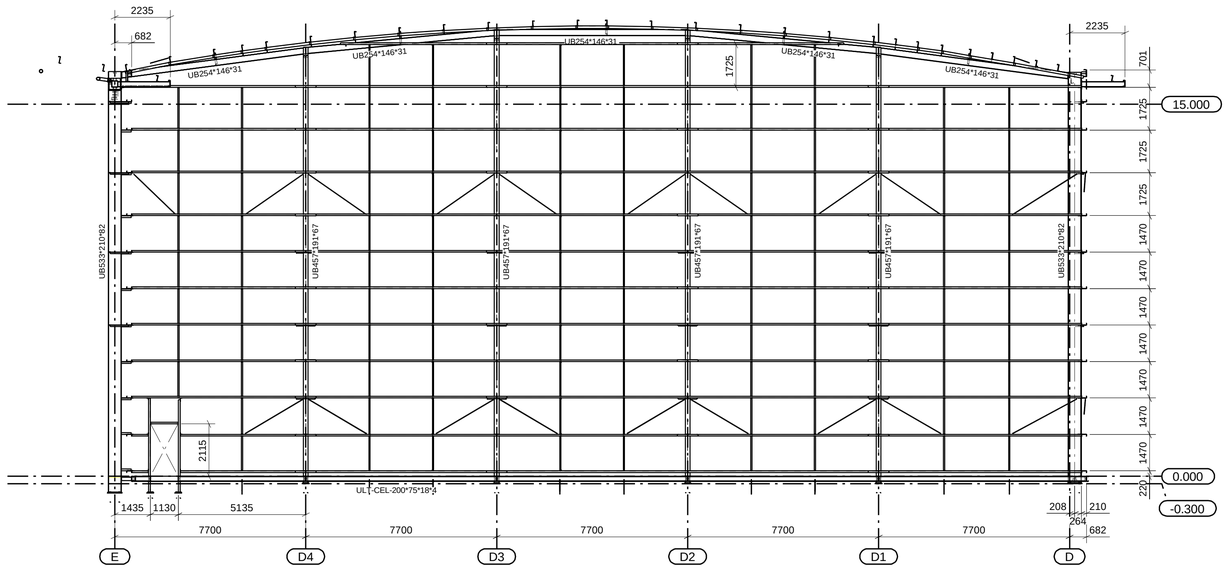


Elevation on Grid line 41

Rail SPEC

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

Cleader angle 100x100x1.6 supplied by Caunton fitted by others



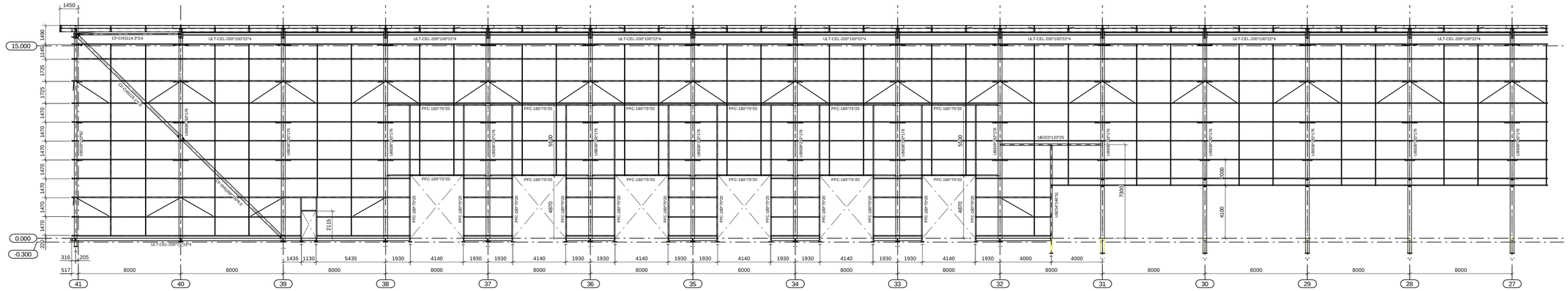
Elevation on Grid line 46a

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Elevation on Grid line 41 and 46a
Scale	1:125
CEL Job No.	22019
Drawn by	D.Butler
Project Type	Design & Build
Date Created	31.01.2023
Designed /Reviewed by	
Date Reviewed	
Drawing No.	P22036-CEL-W1-ZZ-DR-X-0014
Revision	B01



Elevation on Grid line C

Elevation on Grid line C

Rail SPEC

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

Cleader angle 100x100x1.6 supplied by Caunton
fitted by others

Elevation on Grid line C

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B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	02.02.2023
REV. MARK	REVISION DESCRIPTION	REV. DATE

STATUS : AS BUILT ISSUE

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

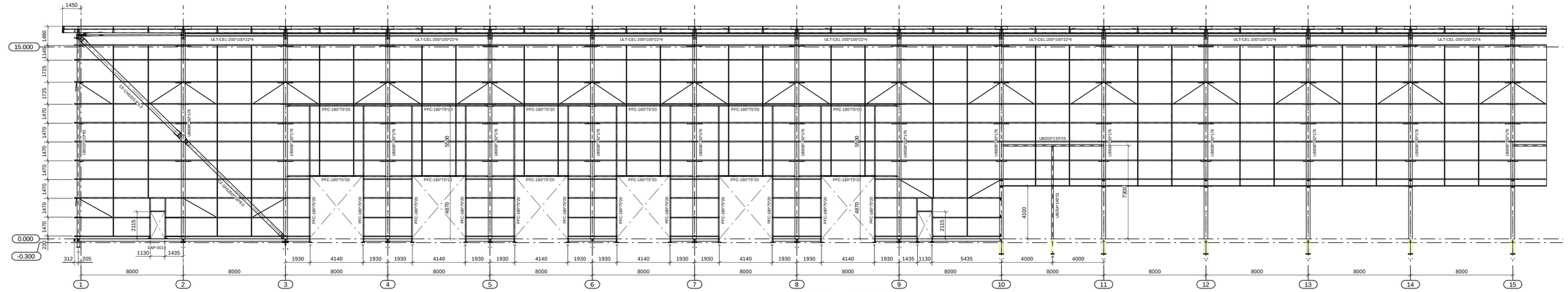
Client
Winvic Construction Ltd.

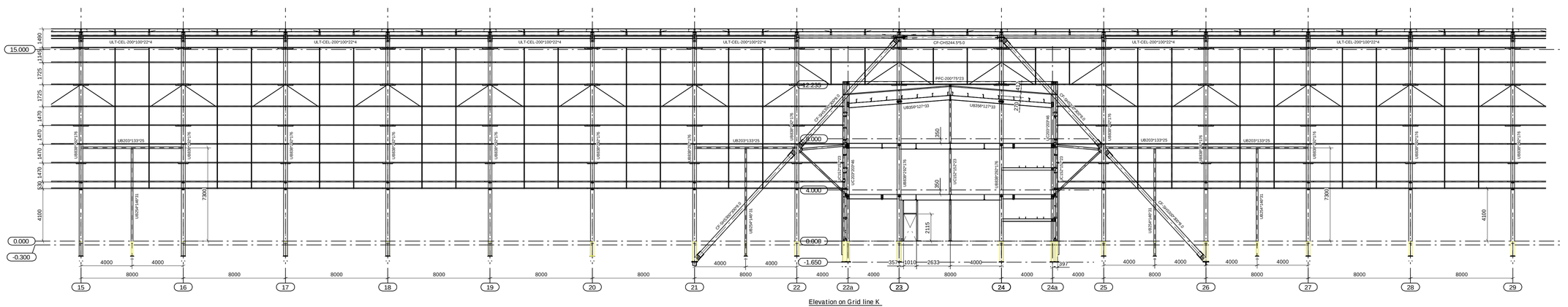
Project Description
Plot 4000, Gateway 14

Site Address
Stowmarket, Suffolk

Drawing Title
Elevation on Grid line C

Scale 1:125		CEL Job No. 22019
Drawn by D.Butler	Project Type Design & Build	Date Created 31.01.2023
Designed Reviewed by		Date Reviewed
Project Company Volume Level Type Role Drawing No. P22036-CEL-W1-ZZ-DR-X-0015		Revision B01





Elevation on Grid line K

Elevation on Grid line K

Elevation on Grid line K

Rail SPEC

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

Cleader angle 100x100x1.6 supplied by Caunton
fitted by others

Elevation on Grid line K

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REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C02	Doors added ref DAP-0019	11.07.2023
C01	Construction issue	03.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

caunton
ENGINEERING

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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
Plot 4000, Gateway 14

Site Address
Stowmarket, Suffolk

Drawing Title
Elevation on Grid line K

Scale		CEL Job No.
1:125		22019
Drawn by	Project Type	Date Created
D.Butler	Design & Build	31.01.2023
Designed Reviewed by		Date Reviewed

Project Company Volume Level Type Role Drawing No.
P22036-CEL-W1-ZZ-DR-X-0016

Revision
B01

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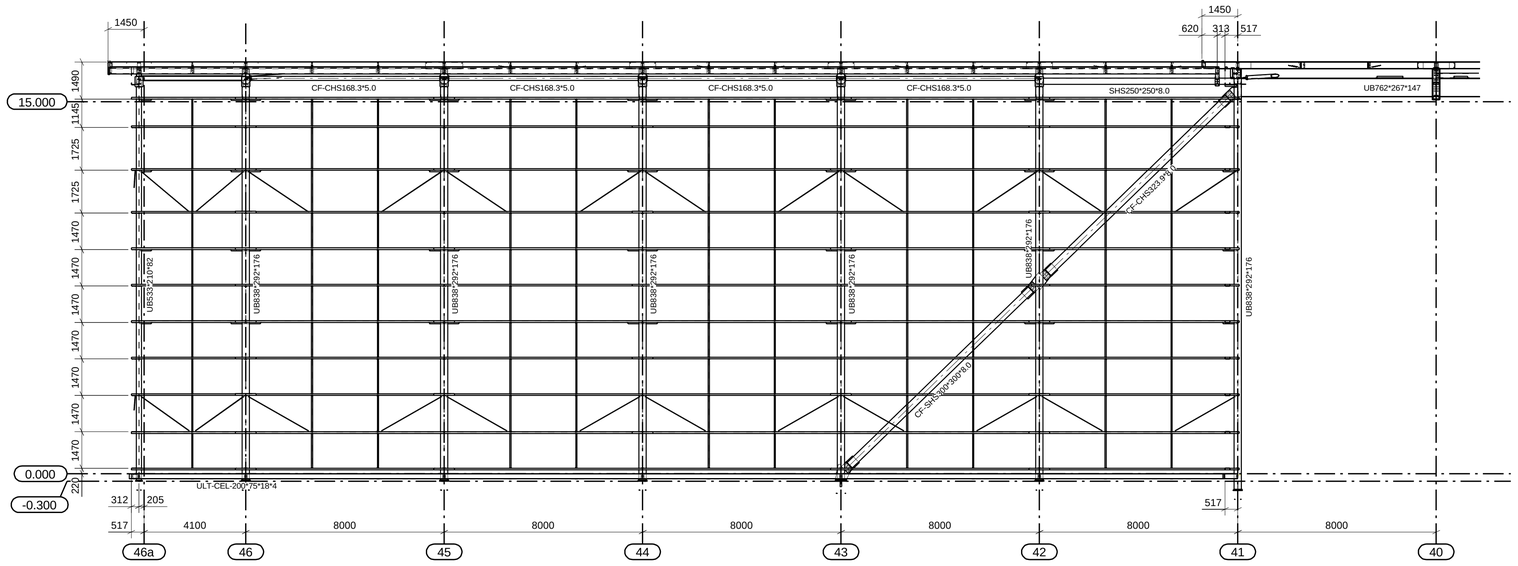
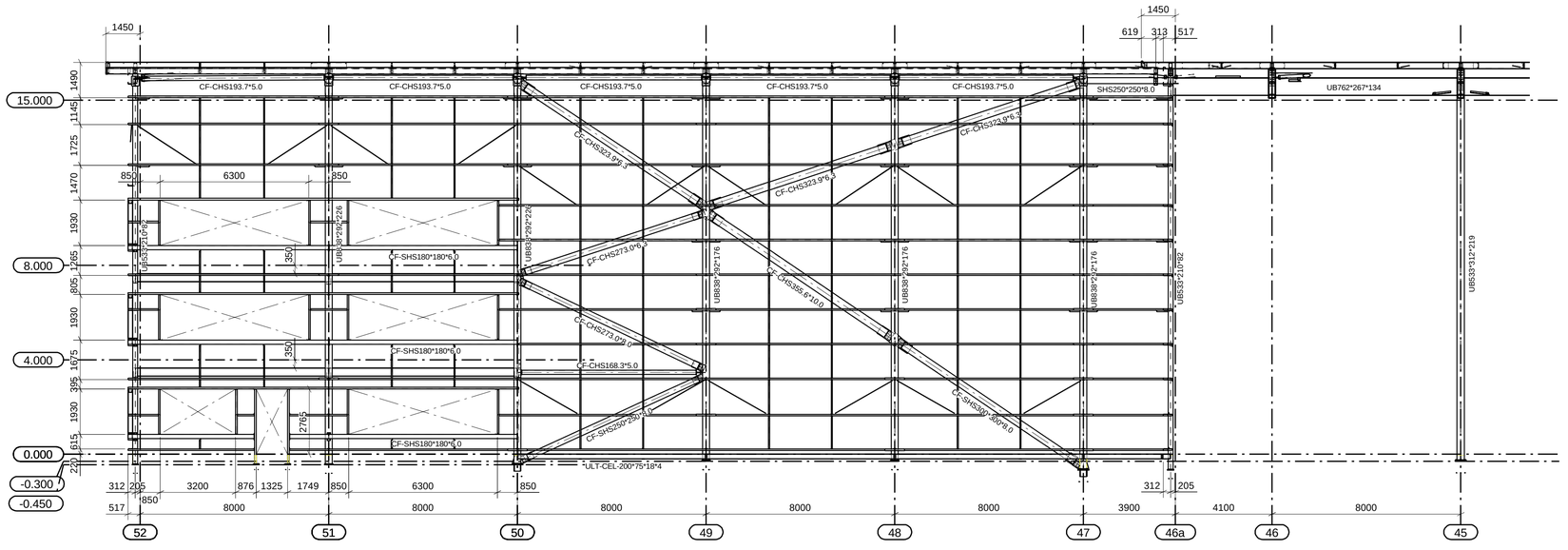


Elevation on Grid line D



Elevation on Grid line E

Rail SPEC

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

Cleader angle 100x100x1.6 supplied by Caunton fitted by others

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P03	Ground beam removed	22.02.2023
P02	Sheeting line altered. Door altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT 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: Plot 4000, Gateway 14

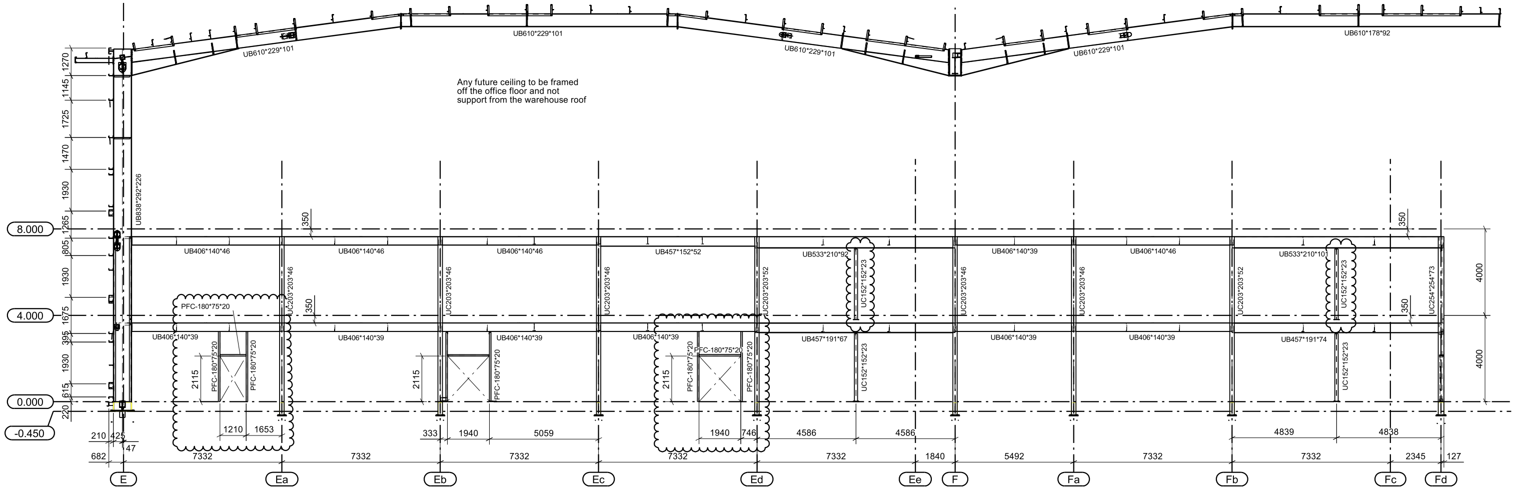
Site Address: Stowmarket, Suffolk

Drawing Title: Elevation on Grid line D and E

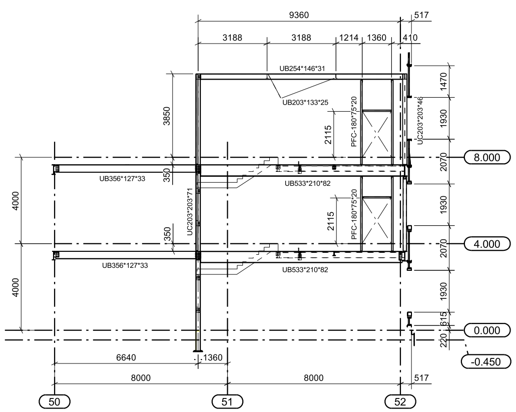
Scale		CEL Job No.
1:125		22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 31.01.2023
Designed Reviewed by		Date Reviewed

Project | Company | Volume | Level | Type | Role | Drawing No. | Revision

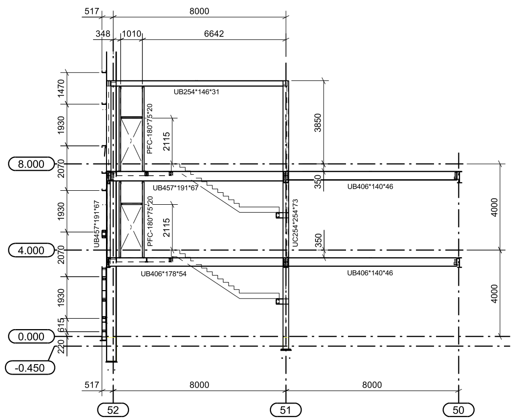
P22036-CEL-W1-ZZ-DR-X-0017 | B01



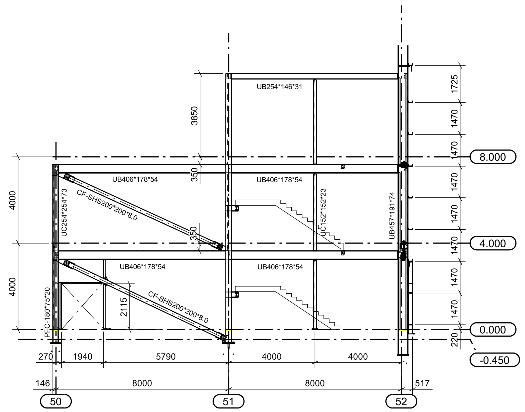
Elevation on Grid line 50



Section on Grid line E3



Section on Grid line Fc



Section on Grid line Fd

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REV. MARK	REVISION DESCRIPTION	REV. DATE
B02	Doors/Whitewall supports added as clouded	16.02.2024
B01	As-Built Issue	17.10.2023
C02	Whitewall supports added	21.04.2023
C01	Steelwork sizes altered	03.03.2023
P02	Sheeting line altered. Door altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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

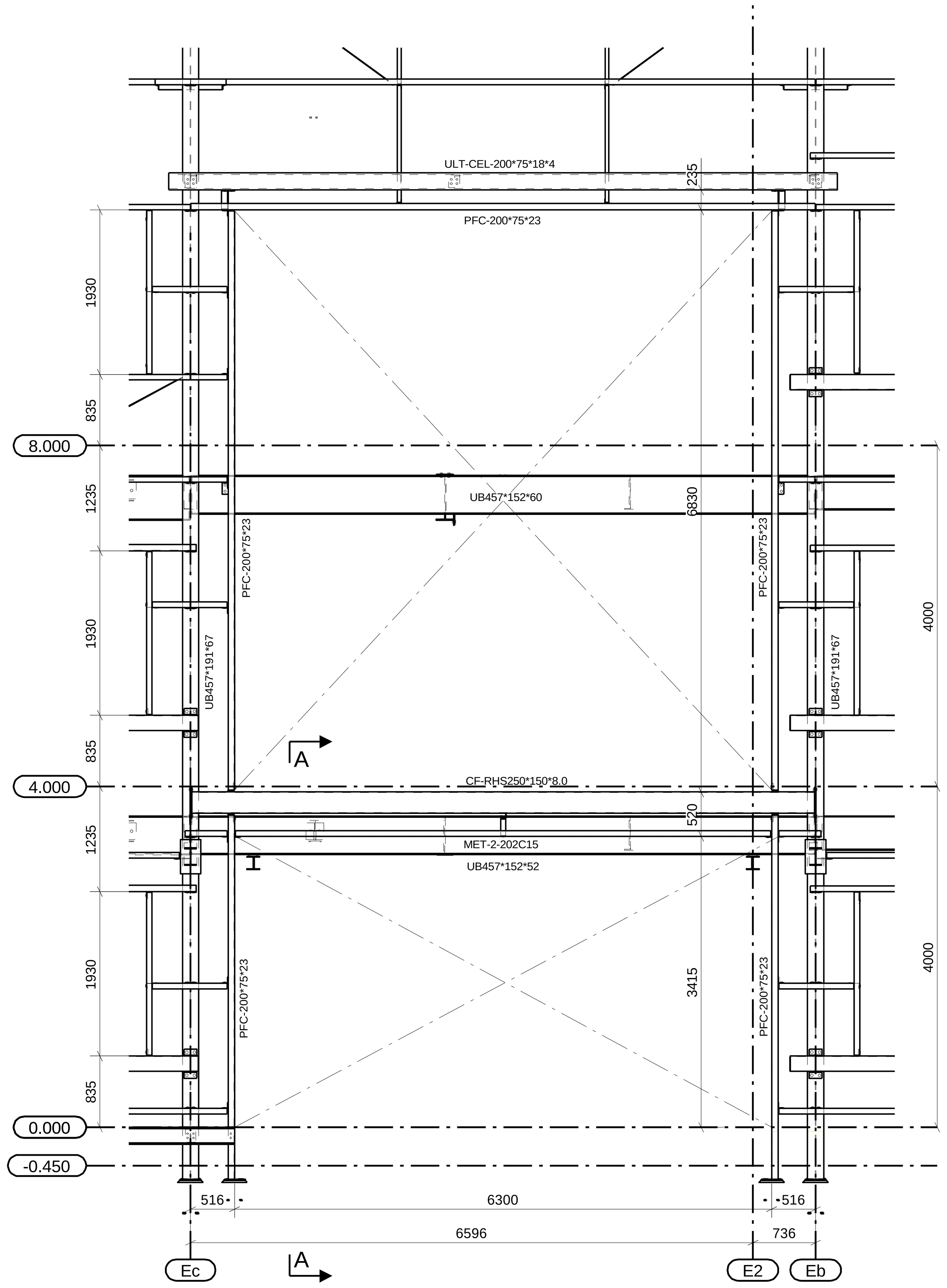
Client: Winvic Construction Ltd.

Project Description: Plot 4000, Gateway 14

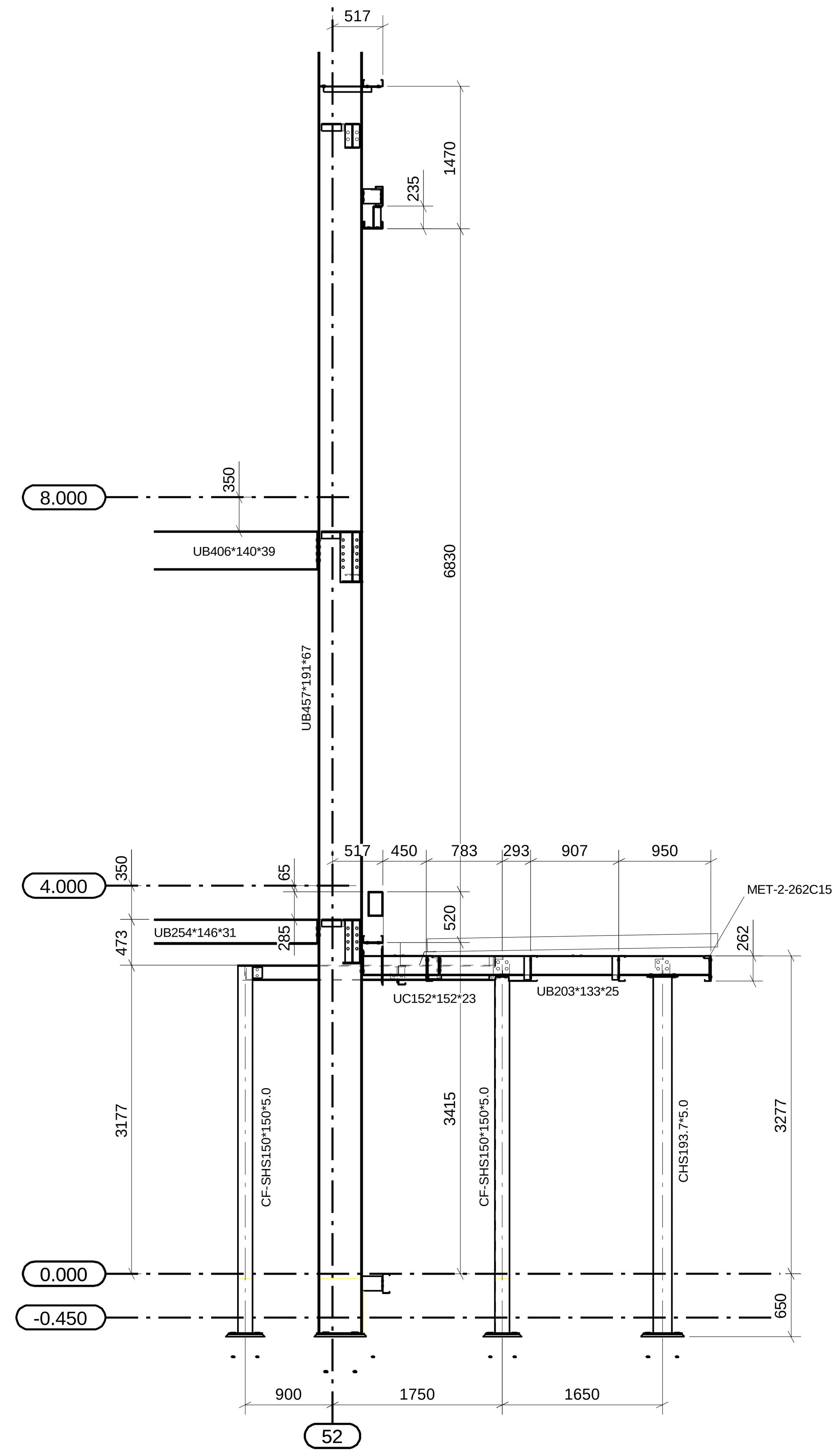
Site Address: Stowmarket, Suffolk

Drawing Title: Office Sections and Elevations

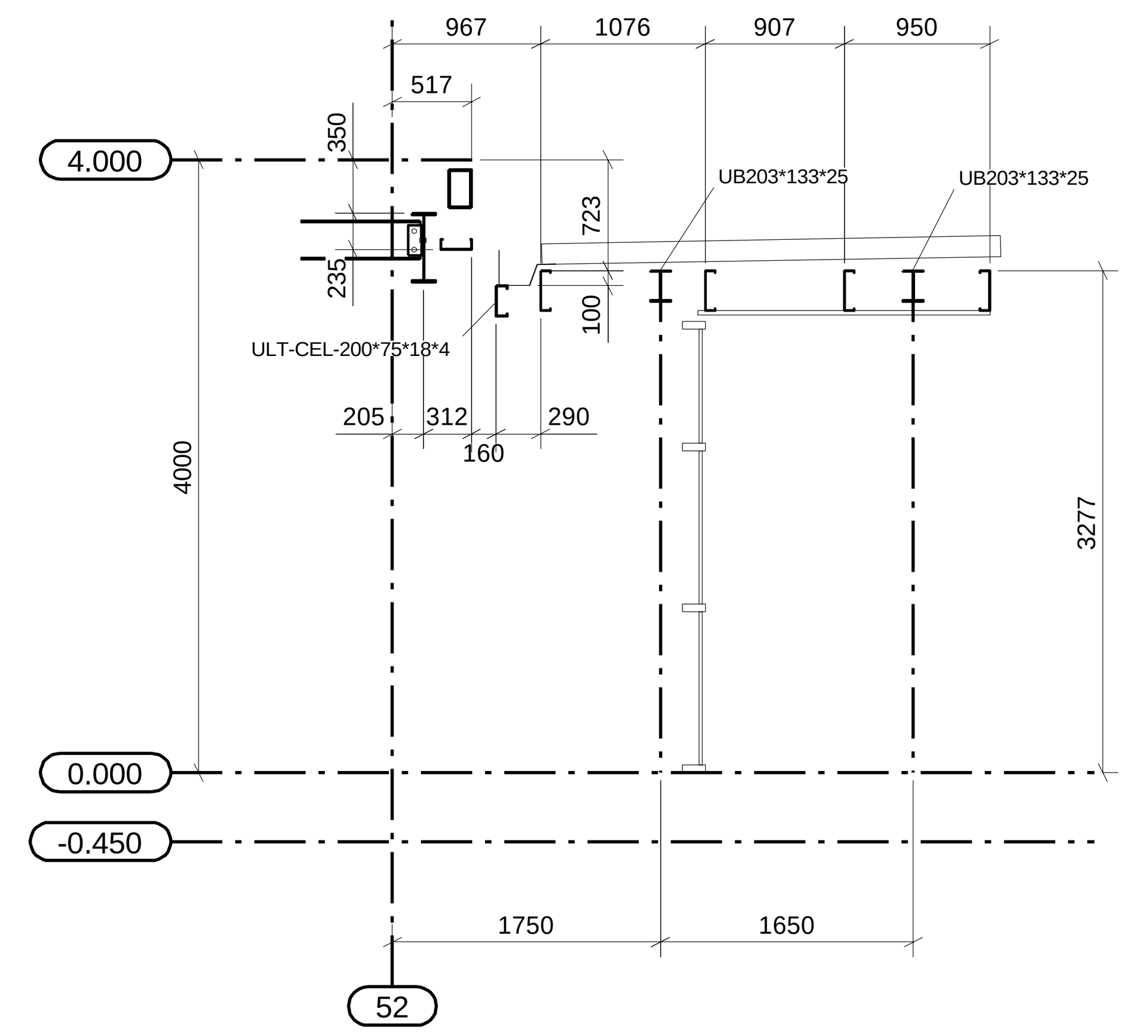
Scale		CEL Job No.
1:125		22019
Drawn by: A.Watson	Project Type: Design & Build	Date Created: 01.02.2023
Designed Reviewed by		Date Reviewed
Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-ZZ-DR-X-0018		Revision: B02



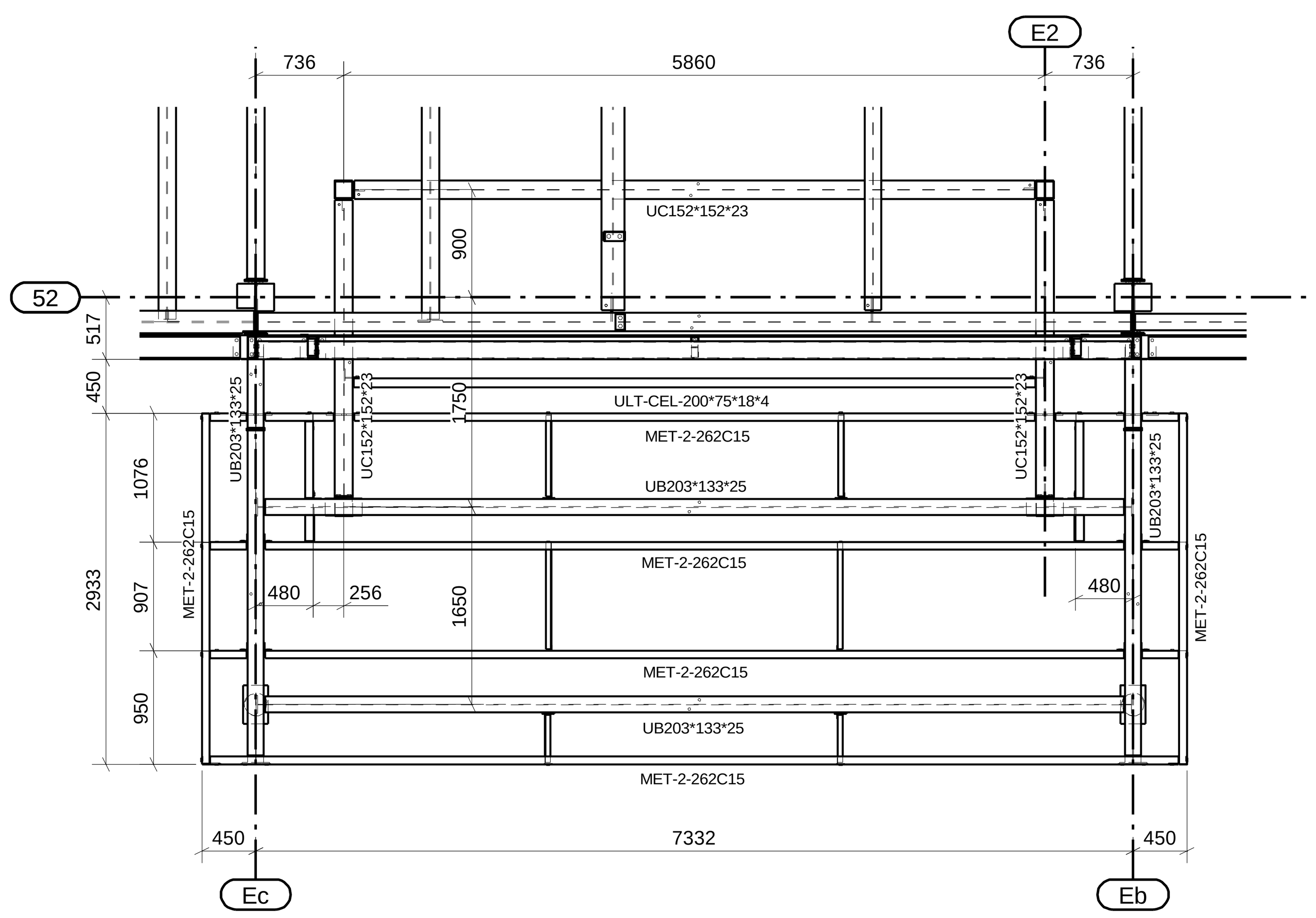
Elevation on Grid line 52



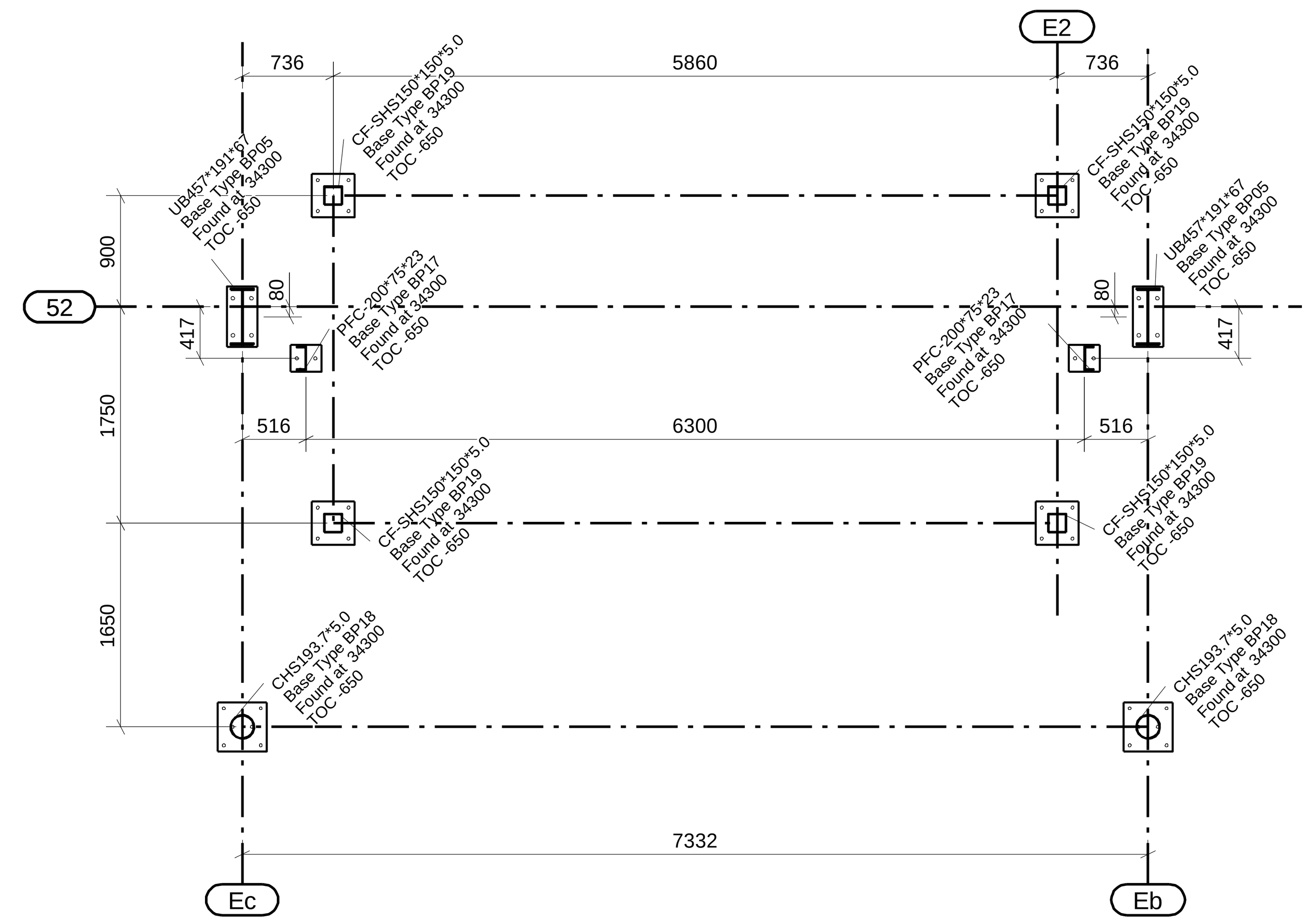
Section on Grid line Ec



A - A



Canopy Plan



Canopy Foundation Plan

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REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C03	Gutter support added	07.06.2023
C02	Rail added for Portico	18.04.2023
C01	Rail positions altered	14.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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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: Plot 4000, Gateway 14

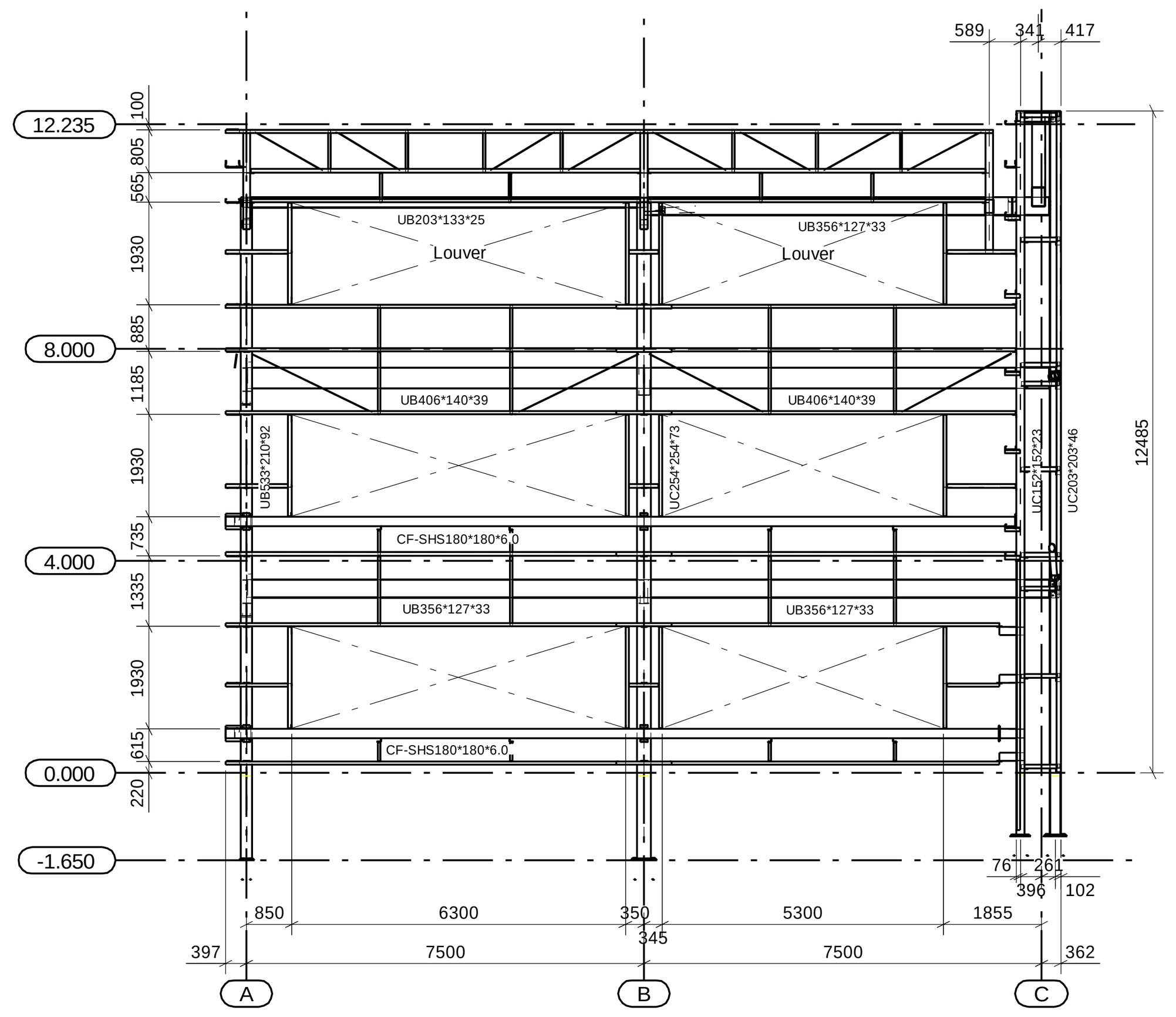
Site Address: Stowmarket, Suffolk

Drawing Title: Office Canopy Details

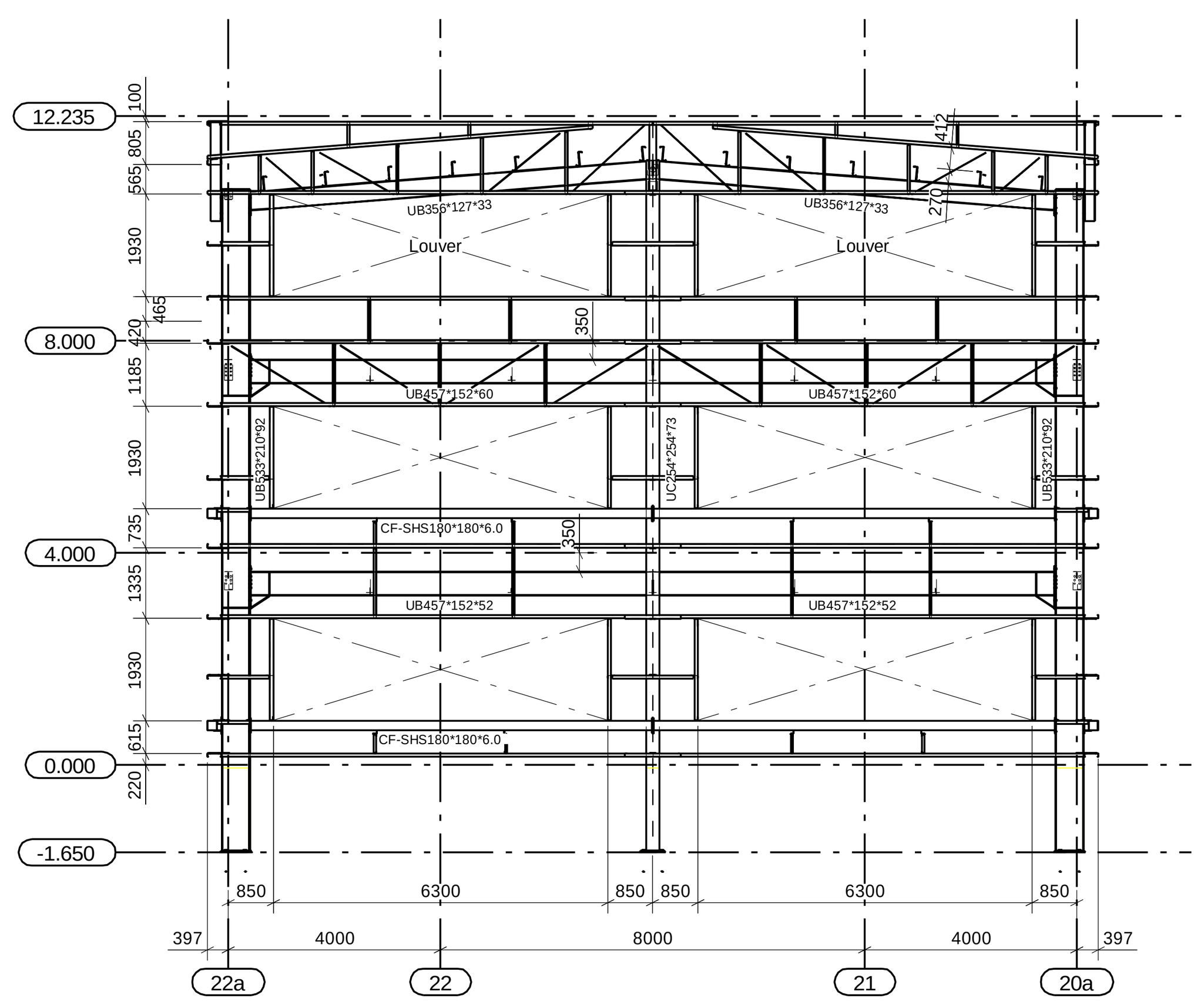
Scale		CEL Job No.
1:50		22019
Drawn by: D.Butler	Project Type: Design & Build	Date Created: 01.02.2023
Designed Reviewed by		Date Reviewed

Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-ZZ-DR-X-0019

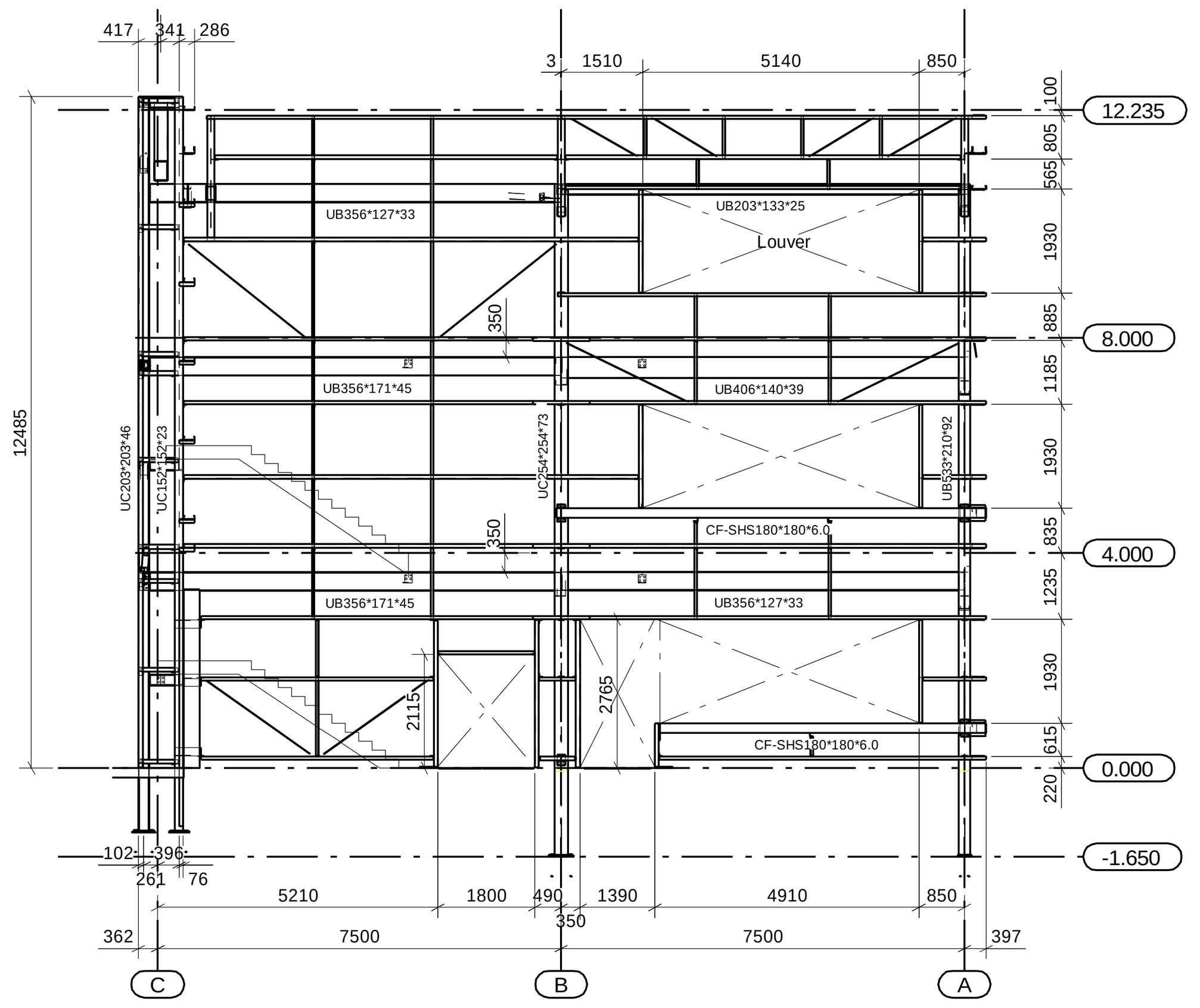
Revision: B01



Elevation on Grid line 20a



Elevation on Grid line A

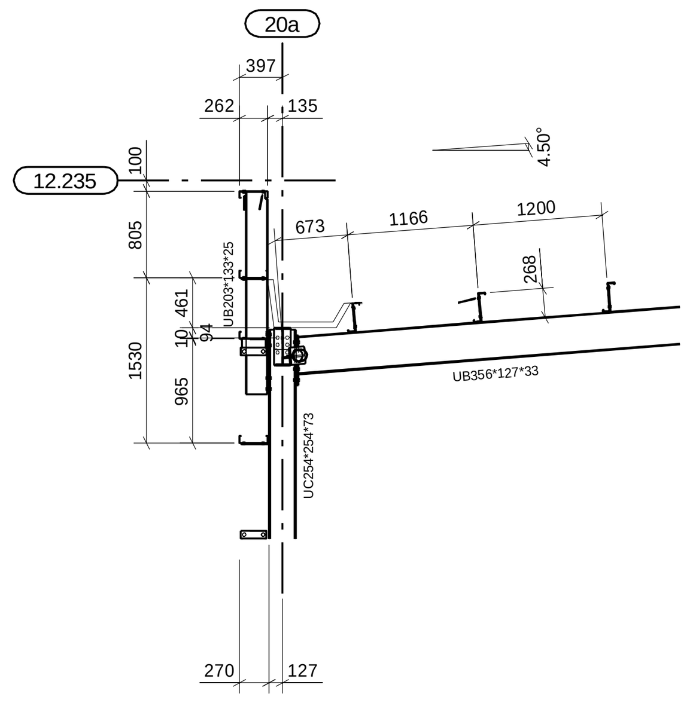


Elevation on Grid line 22a

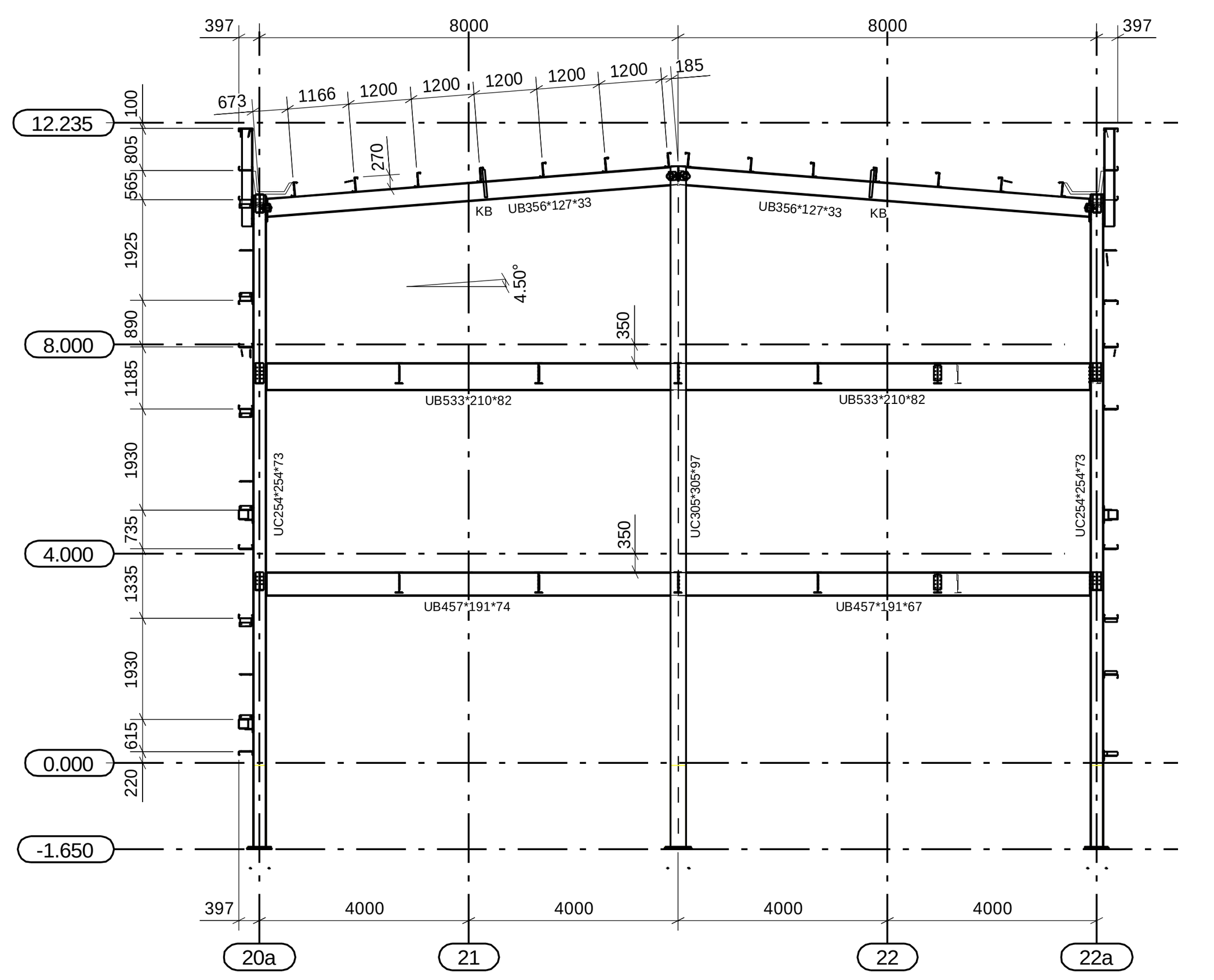
Rail SPEC

Metsec butt system
OUS Rails 262C15
DTW = Diagonal tie wire
SRS = Side rail support
TS = Tubular Strut

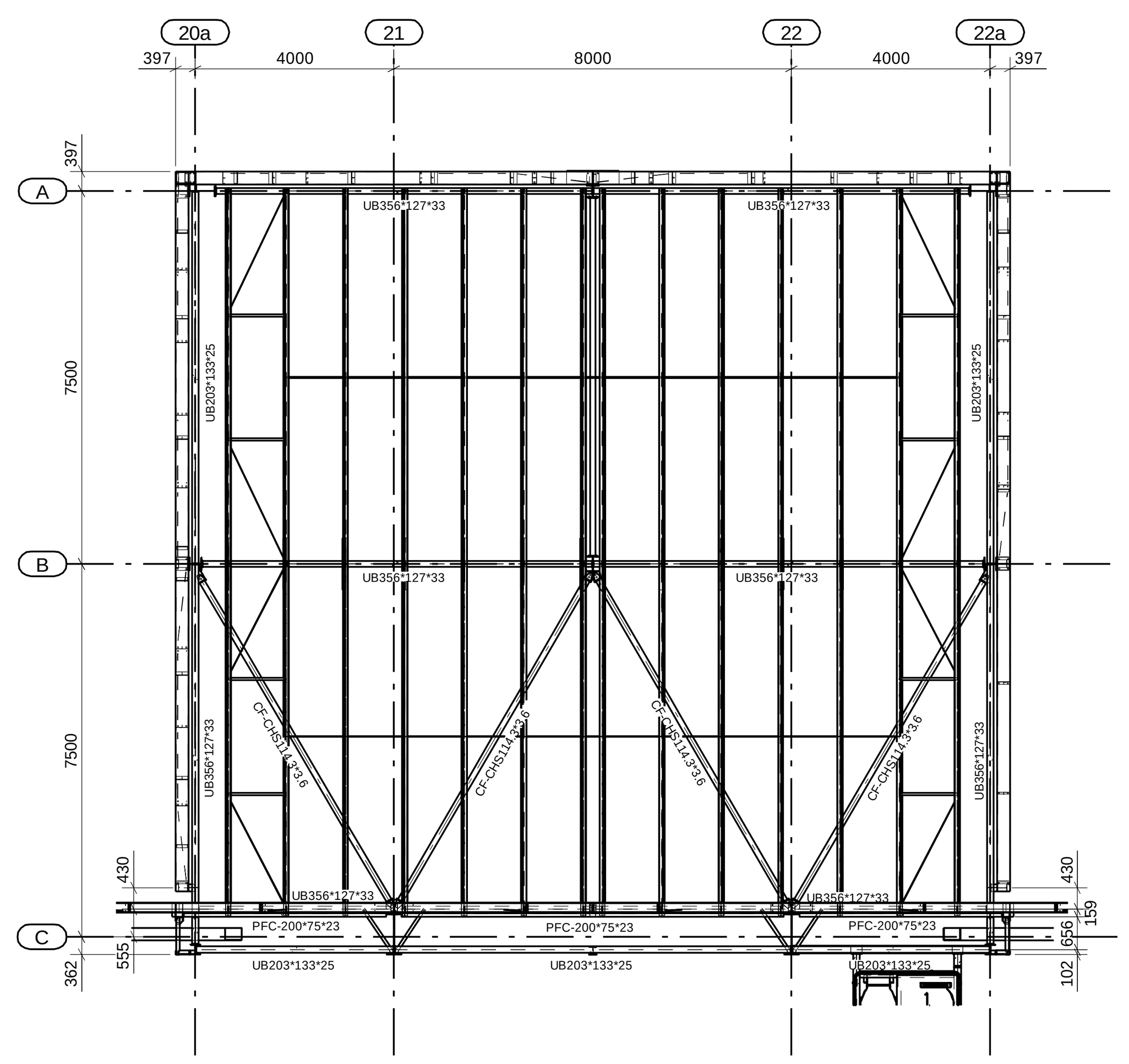
Cleader angle 100x100x1.6 supplied by Caunton
fitted by others



Eaves detail on Grid line 20a



Section on Grid line B



Dis 1 - Roof Plan

PURLIN SPEC

Metsec sleeved system
OUS Purlins 262Z18
PT = Purlin tie
DPB = Diagonal purlin brace
EB = Eaves brace
SRS = Side rail support
AS = Apex Strut
UPEB = Under purlin eaves brace

Cleader angle 100x100x1.6 supplied by Caunton
fitted by others

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REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C02	Gutter support rail altered	08.03.2023
C01	Construction issue	03.03.2023
P03	Louver position altered	20.02.2023
P02	Door and window altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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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	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Distribution Office 1 - Section and Elevations
Scale	1:50 1:100
CEL Job No.	22019
Drawn by	D.Butler
Project Type	Design & Build
Date Created	30.01.2023
Designed Reviewed by	
Date Reviewed	
Project / Company / Volume / Level / Type / Role / Drawing No.	P22036-CEL-W1-ZZ-DR-X-0020
Revision	B01

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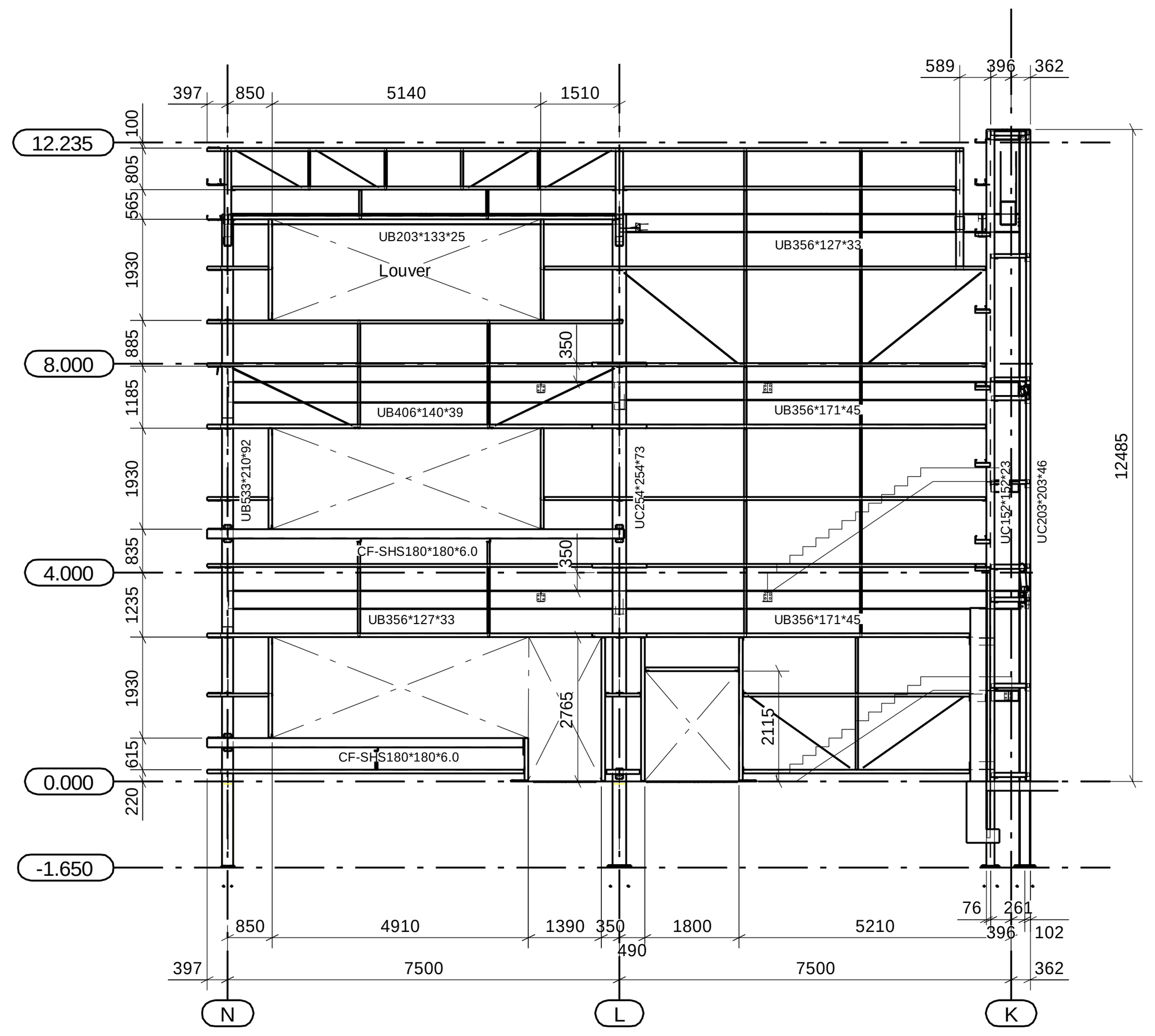
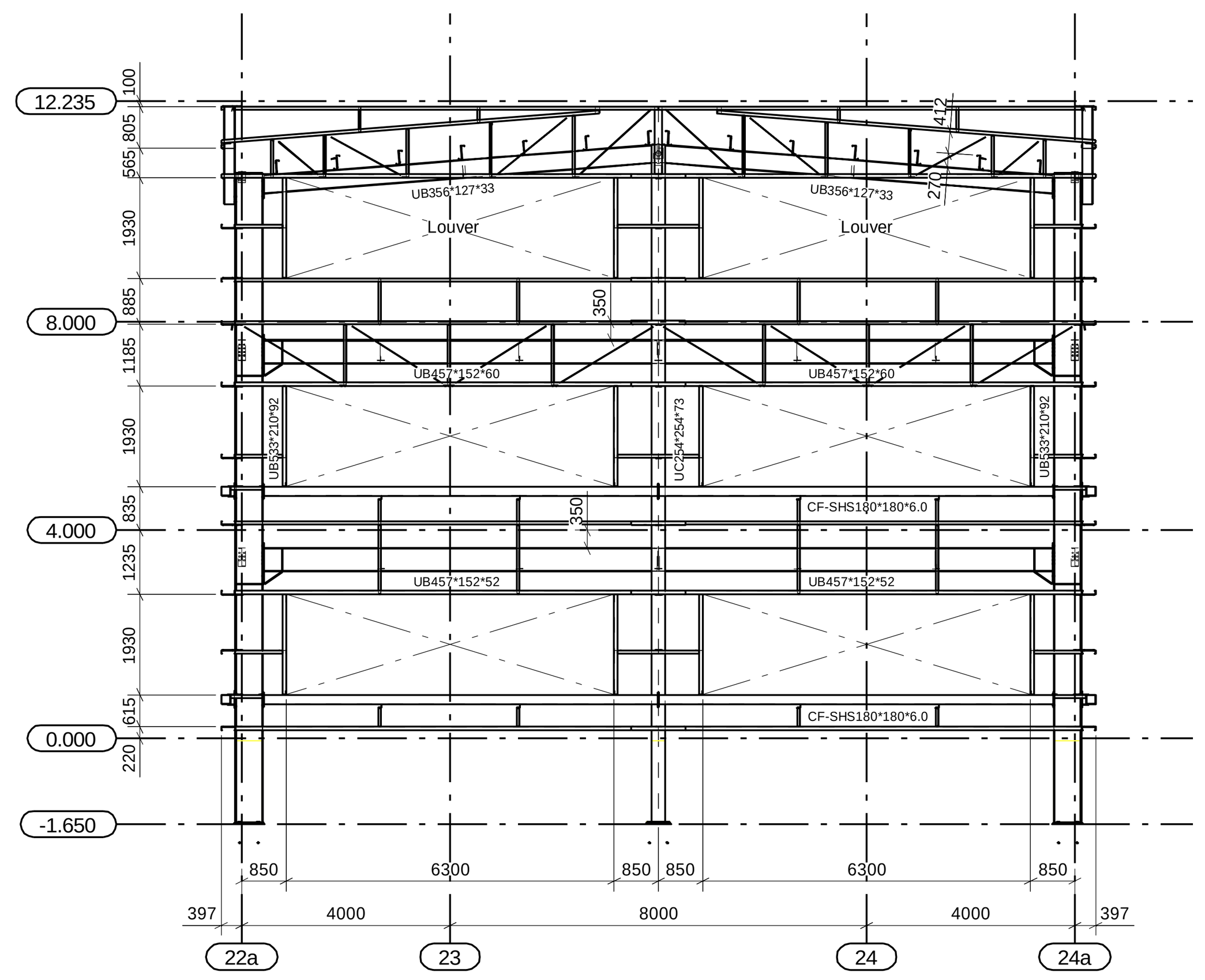
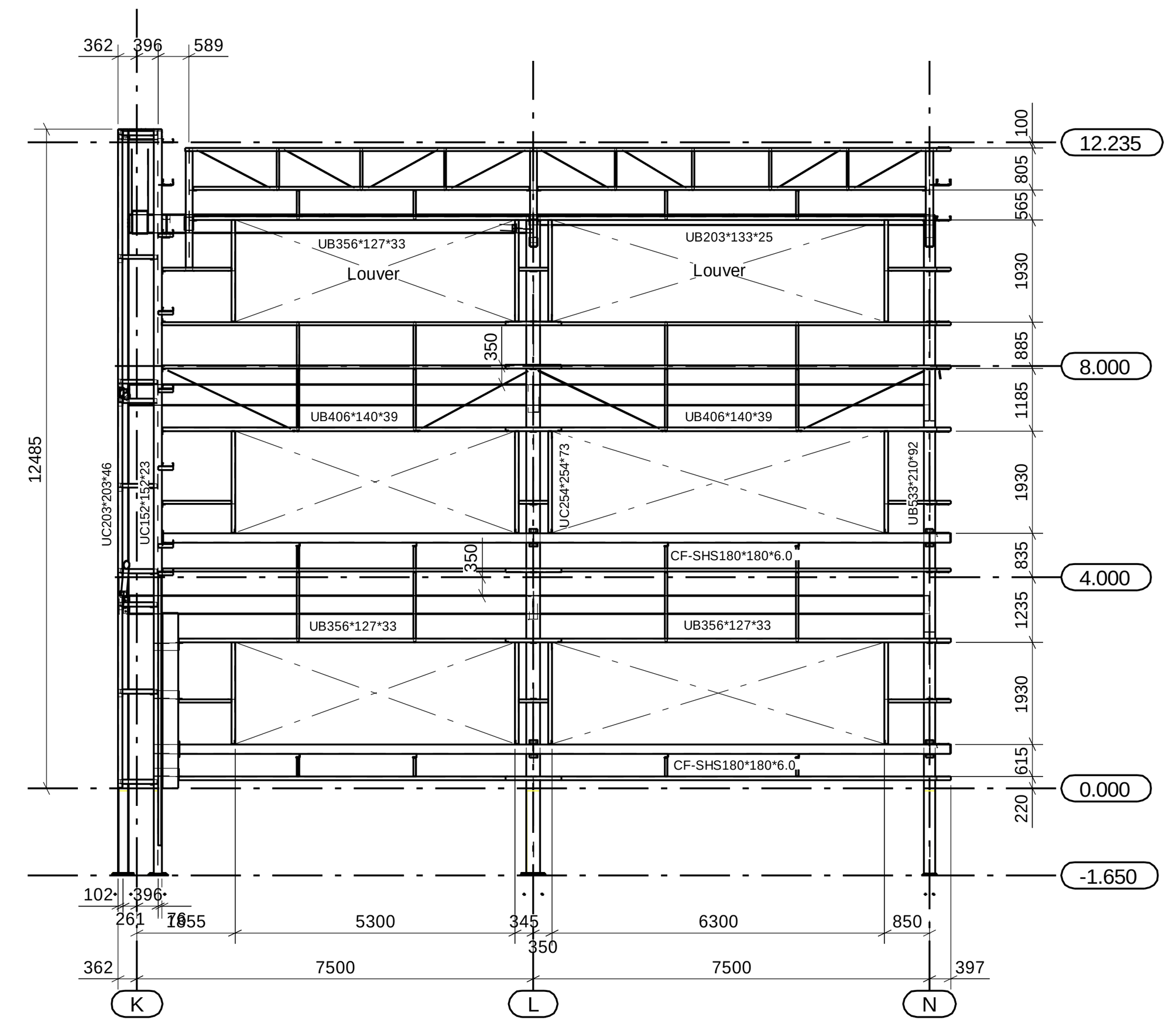


Elevation on Grid line 24a



Elevation on Grid line N

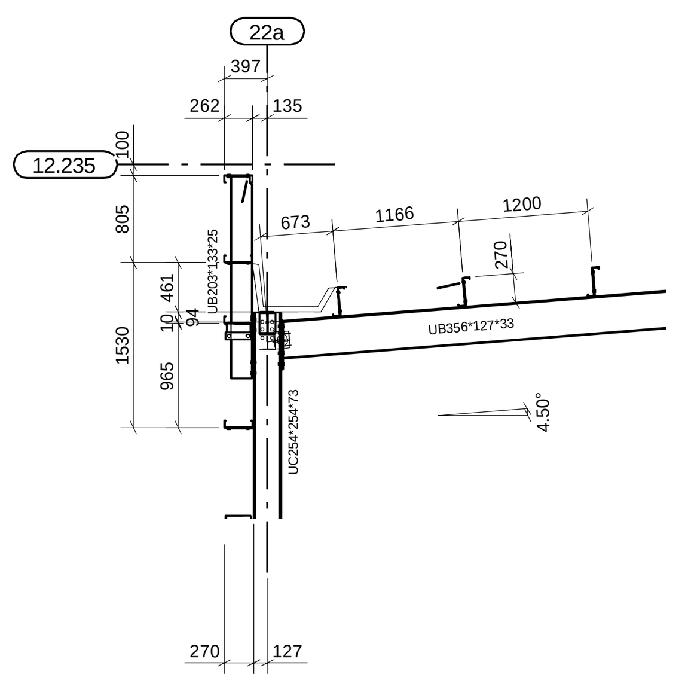


Elevation on Grid line 22a

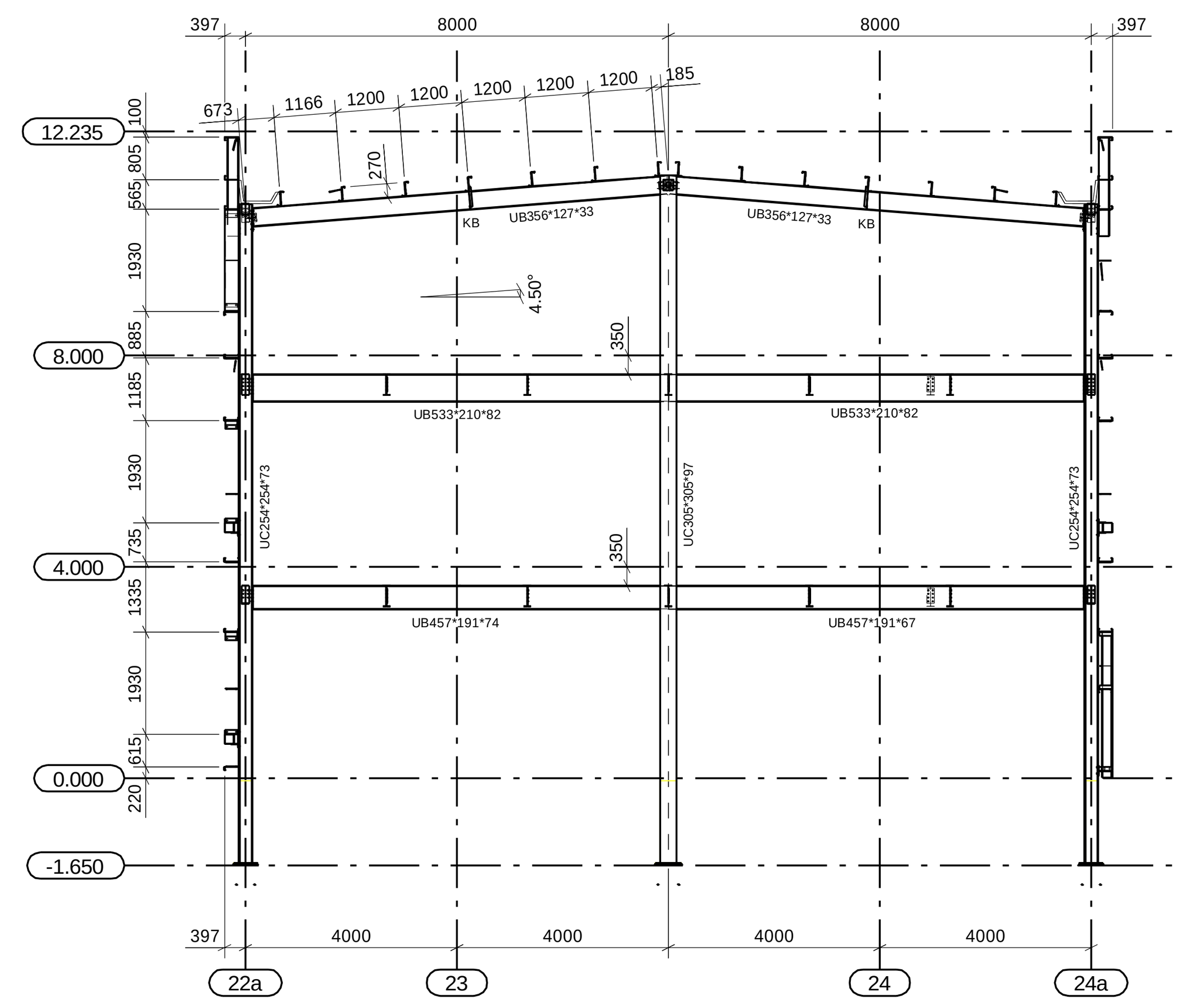
Rail SPEC

Metsec butt system
OUS Rails 262C15
DTW = Diagonal tie wire
SRS = Side rail support
TS = Tubular Strut

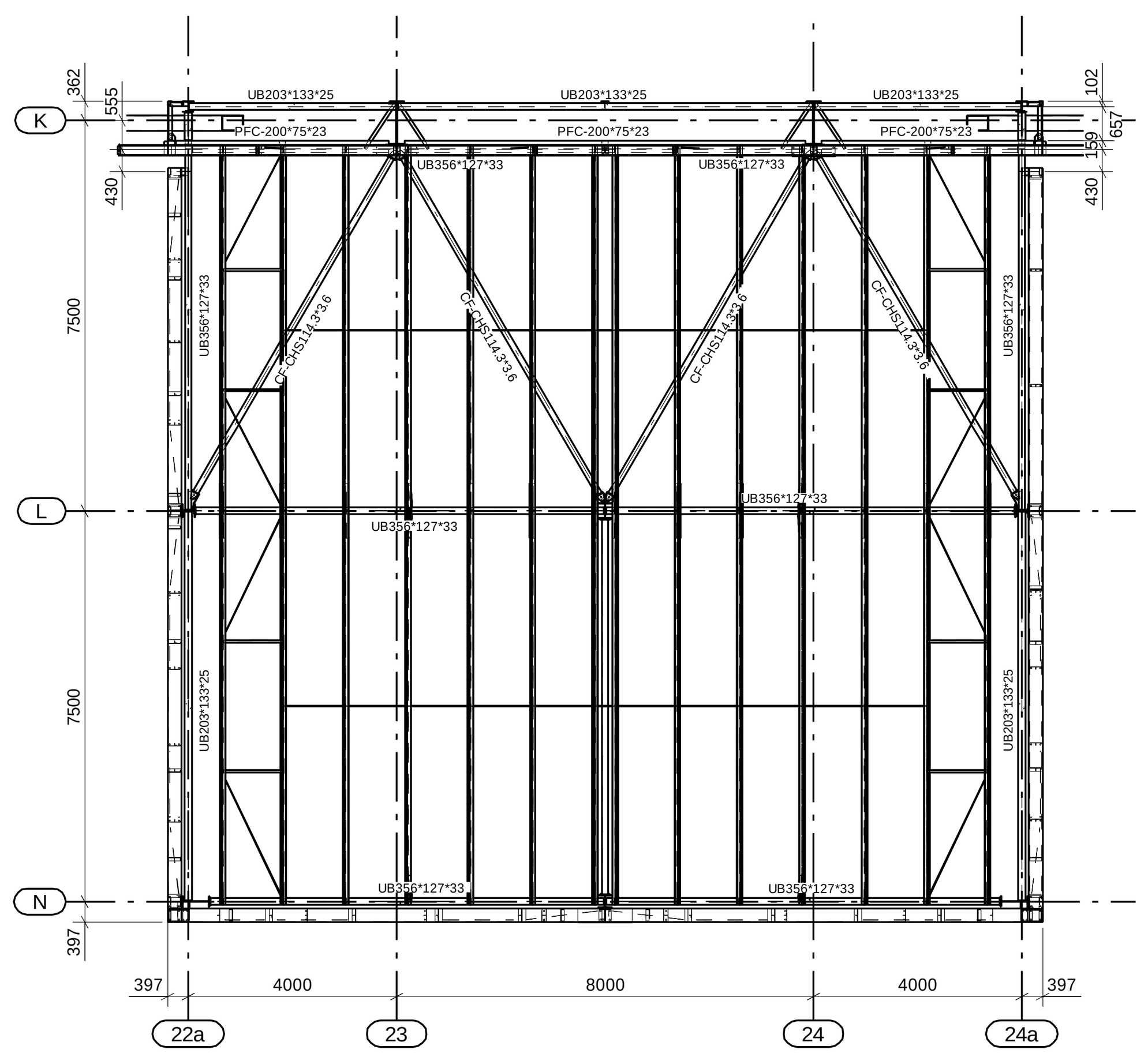
Cleader angle 100x100x1.6 supplied by Caunton fitted by others



Eaves detail on Grid line 22a



Section on Grid line L



Dis 2 - Roof Plan

PURLIN SPEC

Metsec sleeved system
OUS Purlins 262Z18
PT = Purlin tie
DPB = Diagonal pulin brace
EB = Eaves brace
SRS = Side rail support
AS = Apex Strut
UPEB = Under purlin eaves brace

Cleader angle 100x100x1.6 supplied by Caunton fitted by others

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C02	Gutter support rail altered	08.03.2023
C01	Construction issue	03.03.2023
P03	Louver position altered	20.02.2023
P02	Door and window altered	10.02.2023
P01	Preliminary Issue	02.02.2023

STATUS : AS BUILT ISSUE

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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: Plot 4000, Gateway 14

Site Address: Stowmarket, Suffolk

Drawing Title: Distribution Office 2 - Section and Elevations

Scale: 1:50 1:100	CEL Job No.: 22019
Drawn by: D.Butler / Project Type: Design & Build	Date Created: 01.02.2023
Designed Reviewed by:	Date Reviewed:
Project / Company / Volume / Level / Type / Role / Drawing No.: P22036-CEL-W1-ZZ-DR-X-0021	Revision: B01

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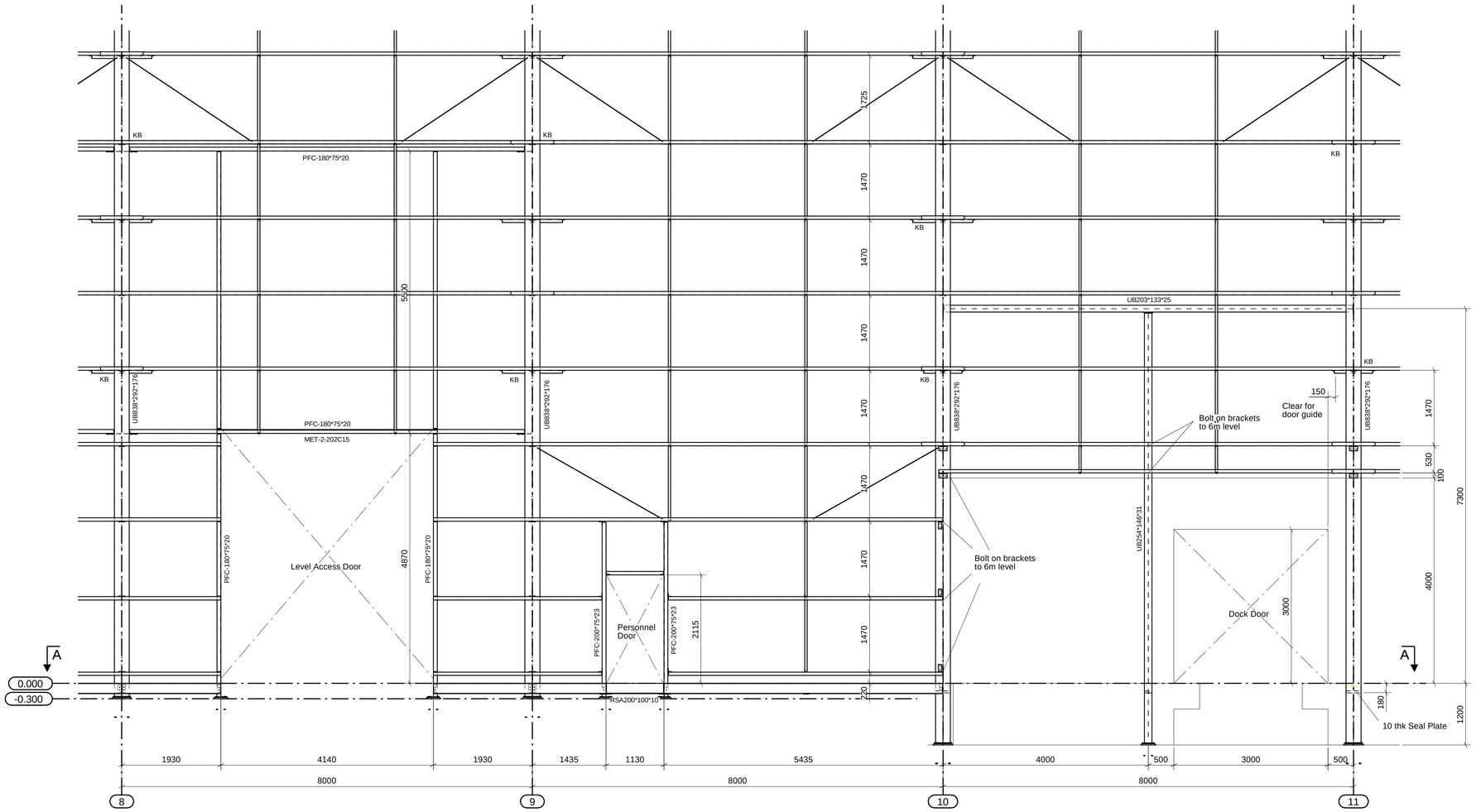
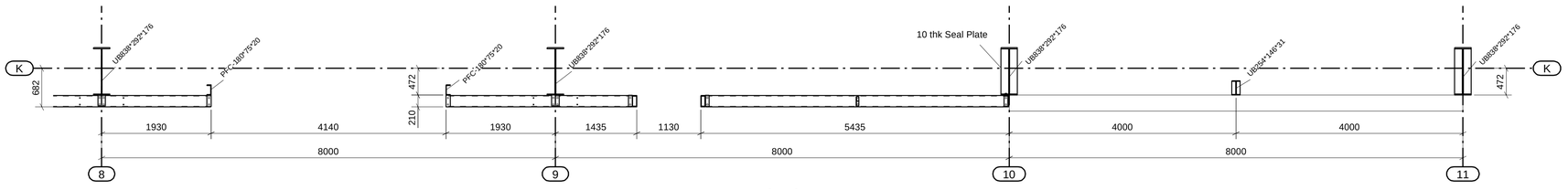


Elevation on Grid line K



A - A

B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P02	Sheeting line altered	10.02.2023
P01	Preliminary Issue	26.01.2023
REV. MARK	REVISION DESCRIPTION	REV. DATE

STATUS : AS BUILT ISSUE

caunton ENGINEERING
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: Wrnvic Construction Ltd.

Project Description: Plot 4000, Gateway 14

Site Address: Stowmarket. Suffolk

Drawing Title: Typical Door Details

Scale: 1:50 | CEL Job No.: 22019

Drawn by: D.Butler | Project Type: Design & Build | Date Created: 26.01.2023

Designed Reviewed by: | Date Reviewed:

Drawing Number: P22036-CEL-W1-ZZ-DR-X-0022 | Revision: B01

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A1

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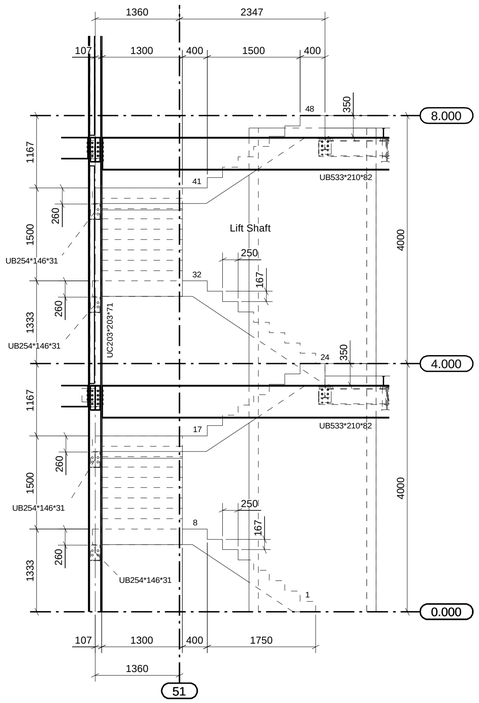
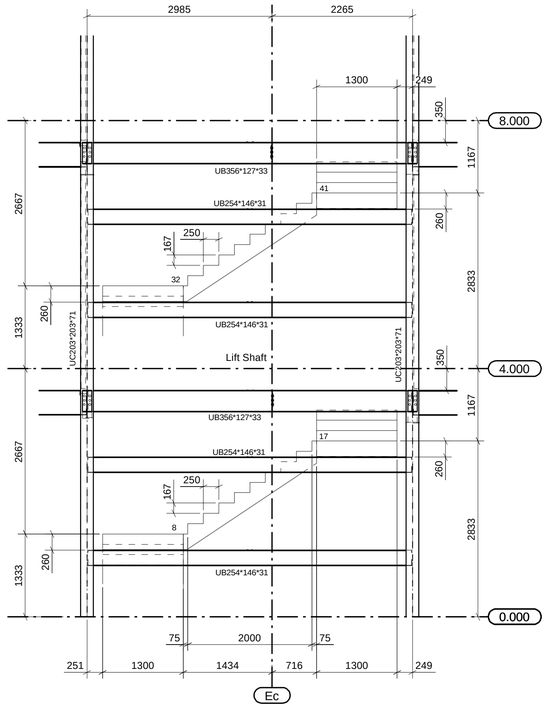
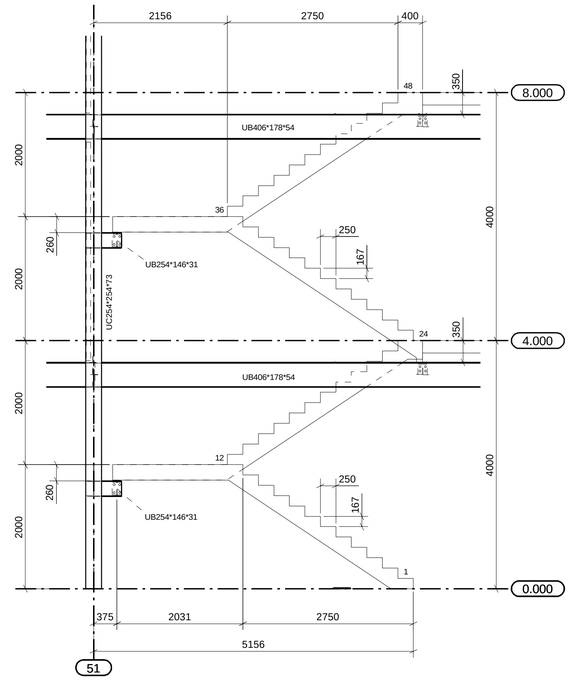


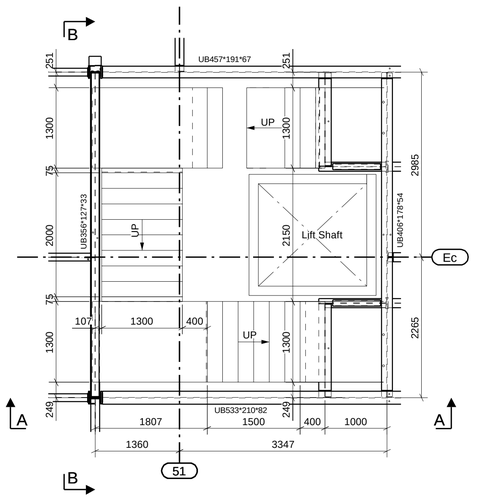
A - A



B - B

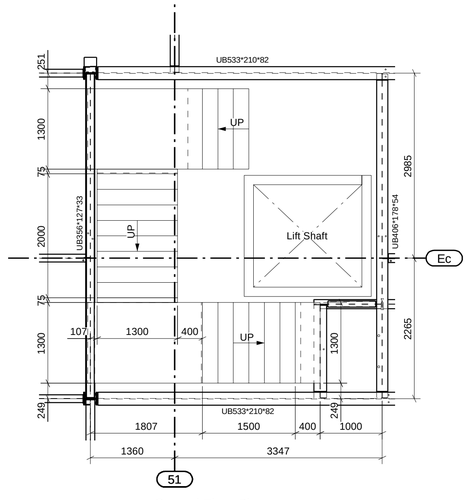


C - C



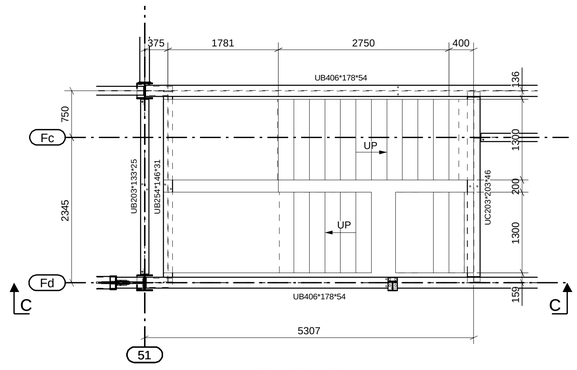
First Floor Plan

Office Stair A



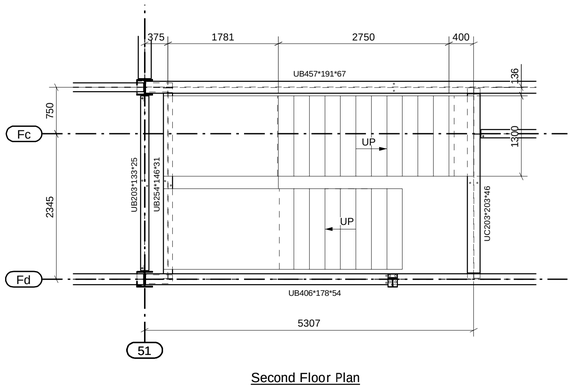
Second Floor Plan

Office Stair A



First Floor Plan

Office Stair B



Second Floor Plan

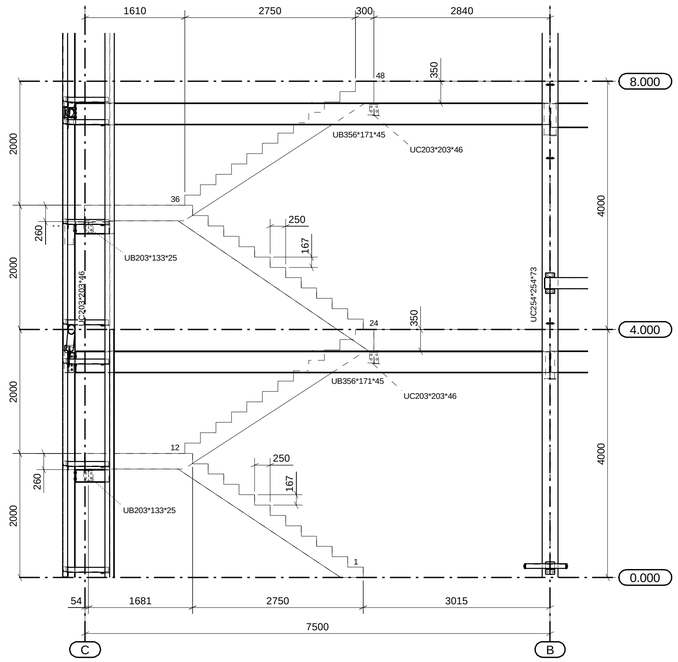
Office Stair B

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction issue	03.03.2023
P01	Preliminary Issue	08.02.2023

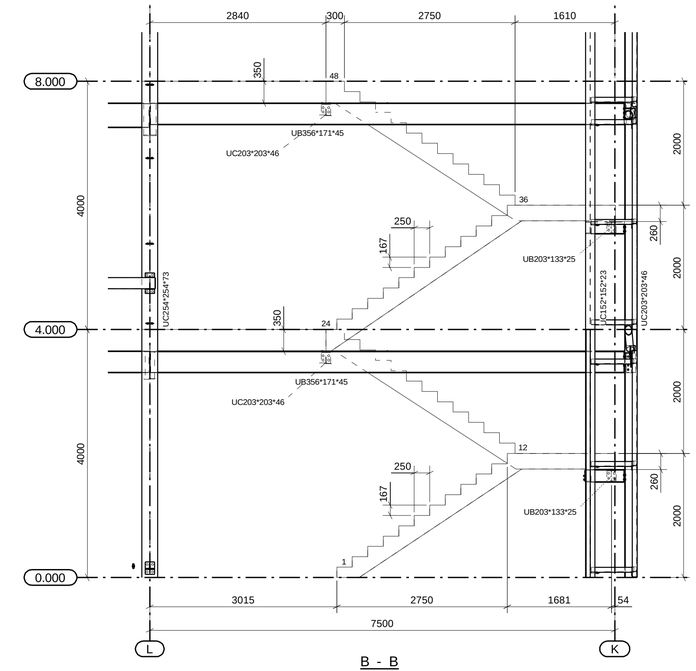
STATUS : AS BUILT ISSUE

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

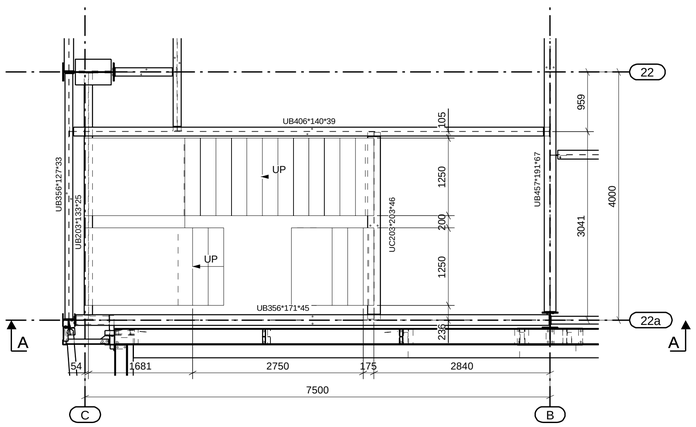
Client	Winvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Office Stairs
Scale	1:50
CEL Job No.	22019
Drawn by	D.Butler
Project Type	Design & Build
Date Created	02.02.2023
Designed /Reviewed by	
Date Reviewed	
Drawing No.	P22036-CEL-W1-ZZ-DR-X-0023
Revision	B01



A - A

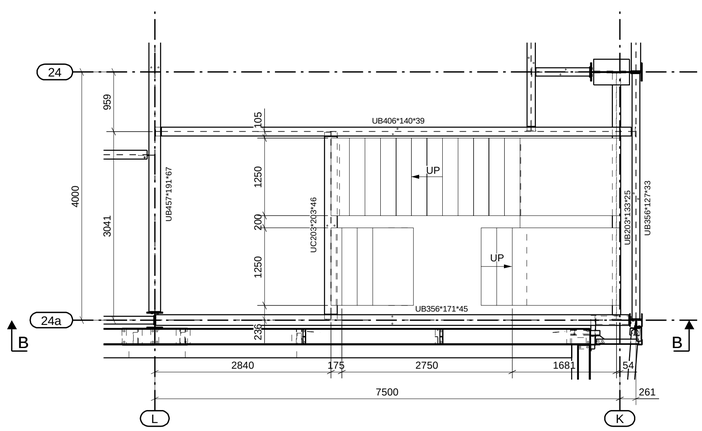


B - B



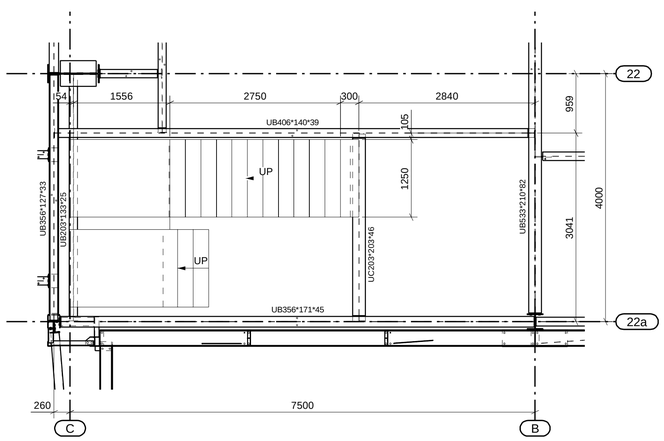
First Floor Plan

Distribution Office 1 Stair



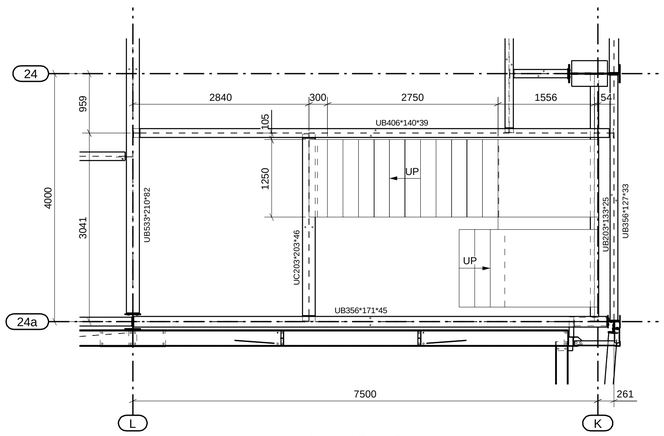
First Floor Plan

Distribution Office 2 Stair



Second Floor Plan

Distribution Office 1 Stair



Second Floor Plan

Distribution Office 2 Stair

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REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction Issue	03.03.2023
P01	Preliminary Issue	08.02.2023

STATUS : AS BUILT ISSUE

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

Client	Winvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Distribution Office Stairs
Scale	1:50
CEL Job No.	22019
Drawn by	D.Butler
Project Type	Design & Build
Date Created	07.02.2023
Designed Reviewed by	
Date Reviewed	
Project / Originator / Volume / Level / Type / Role / Drawing No.	P22036-CEL-W1-ZZ-DR-X-0024
Revision	B01

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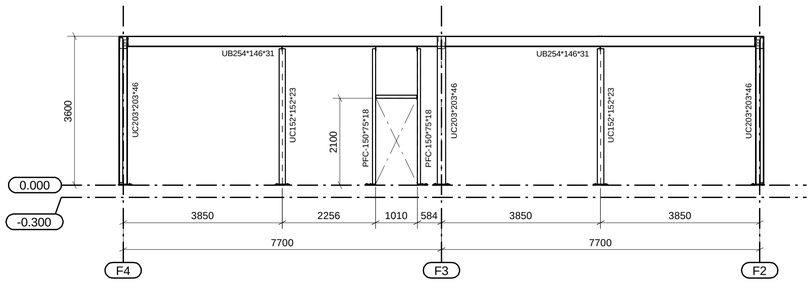
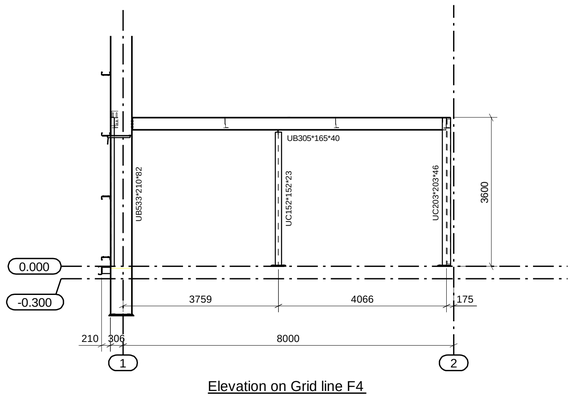
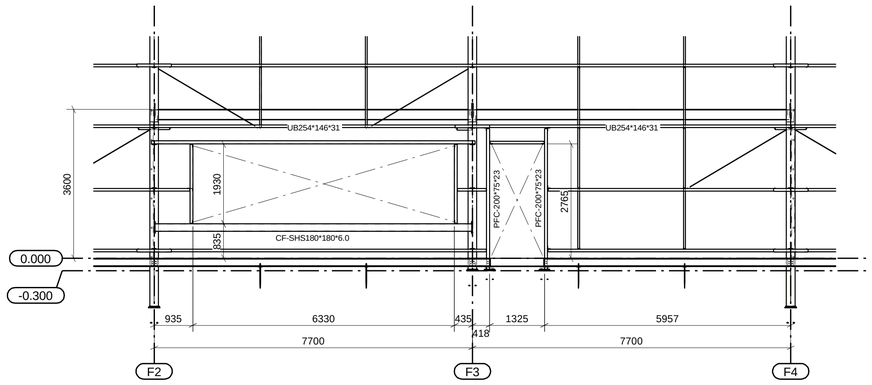


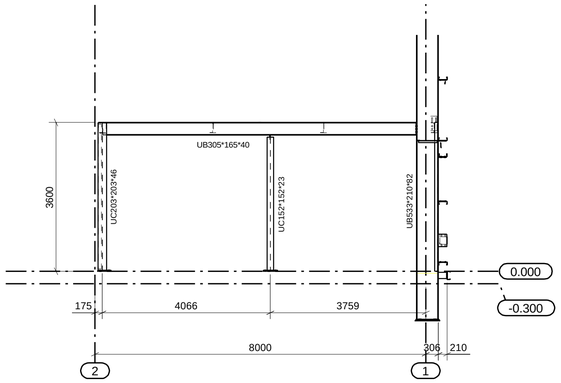
Elevation on Grid line 2



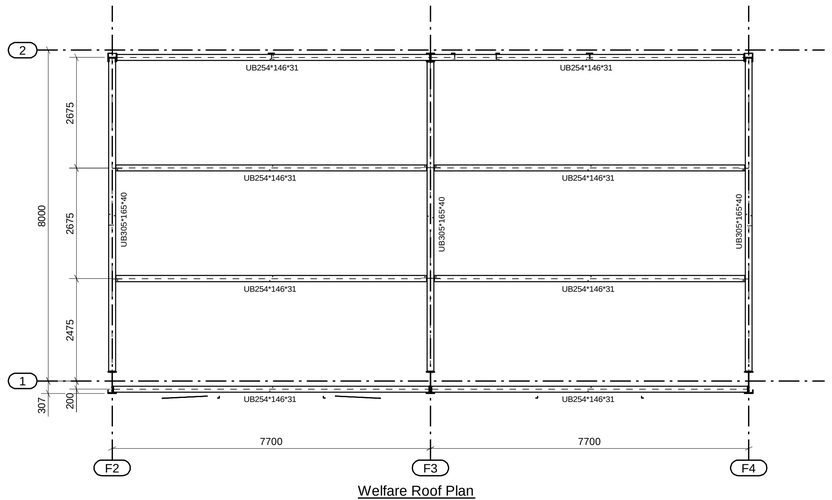
Elevation on Grid line F4



Elevation on Grid line 1



Elevation on Grid line F2



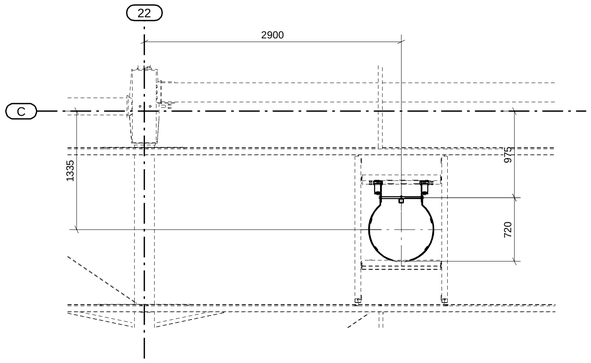
Welfare Roof Plan

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
P01	Height altered to suit whitewall	11.07.2023

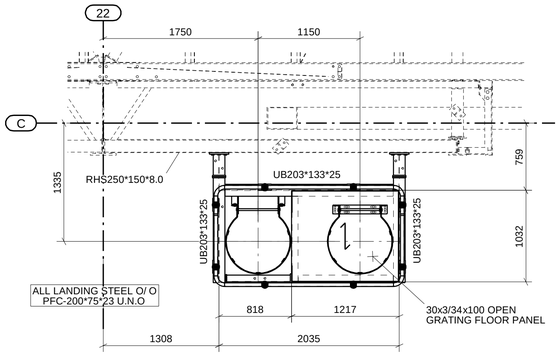
STATUS : AS BUILT ISSUE

caunton ENGINEERING
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

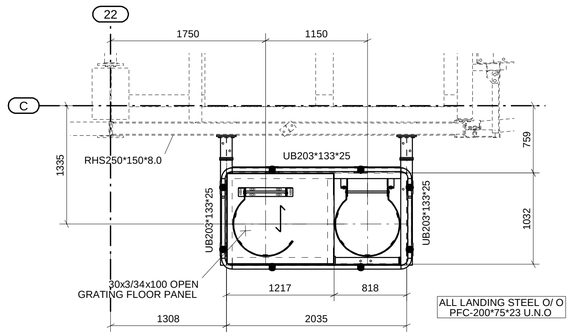
Client	Wrivic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	Welfare Office
Scale	1:75
CEL Job No.	22019
Drawn by	D.Butler
Project Type	Design & Build
Date Created	28.04.2023
Designed Reviewed by	
Date Reviewed	
Name	P22036-CEL-W1-ZZ-DR-X-0025
Revision	B01



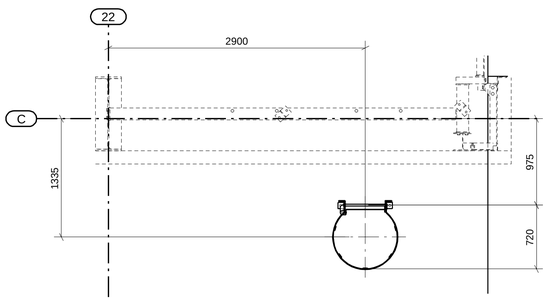
D - D



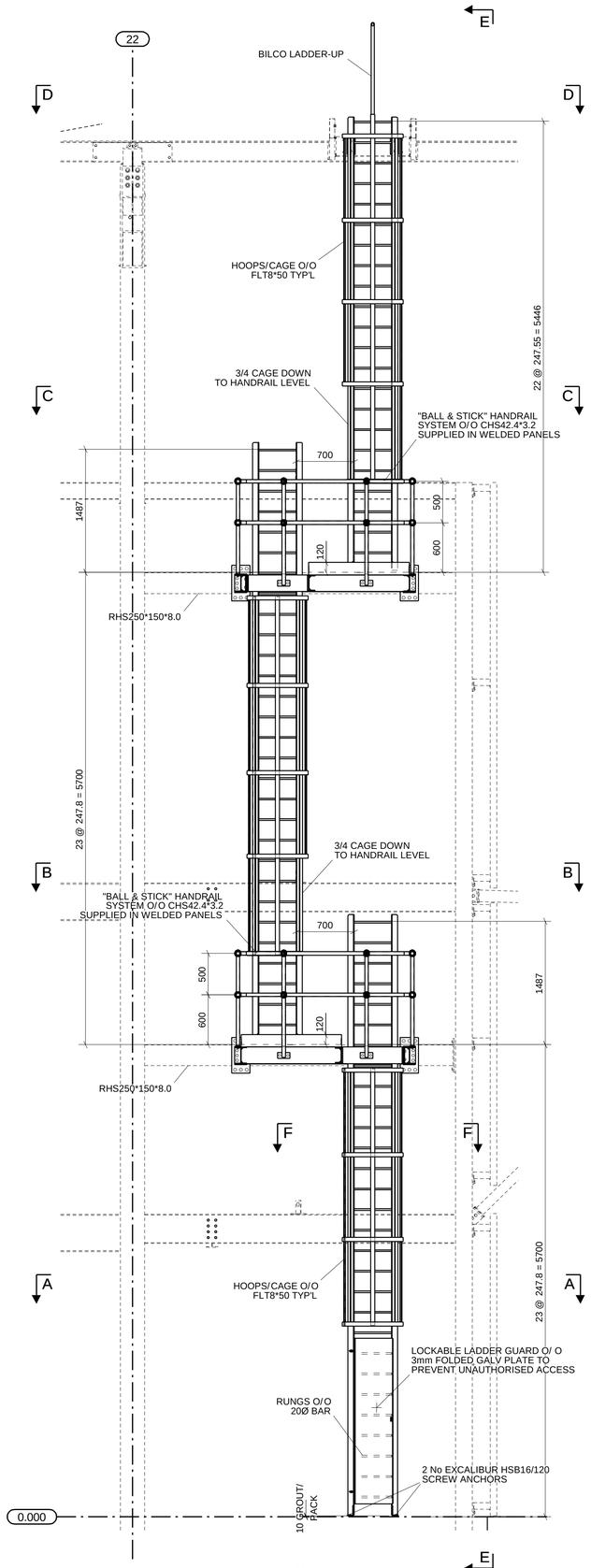
C - C



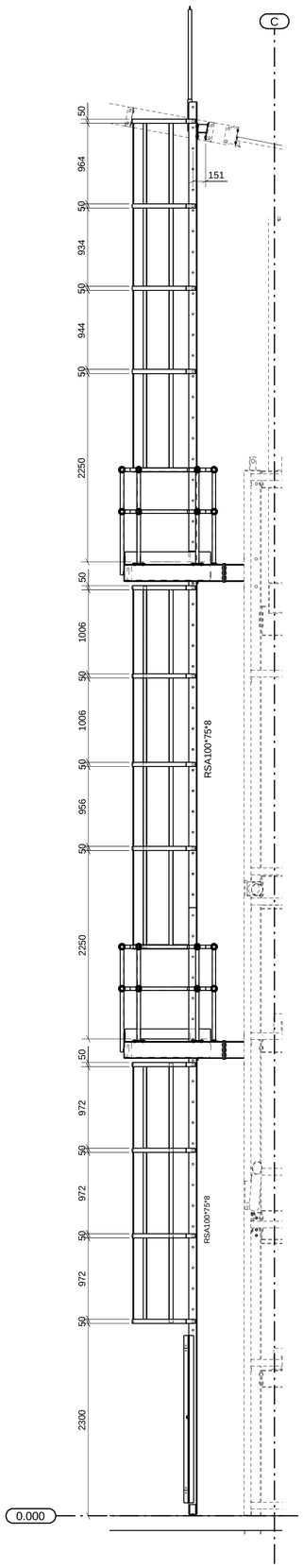
B - B



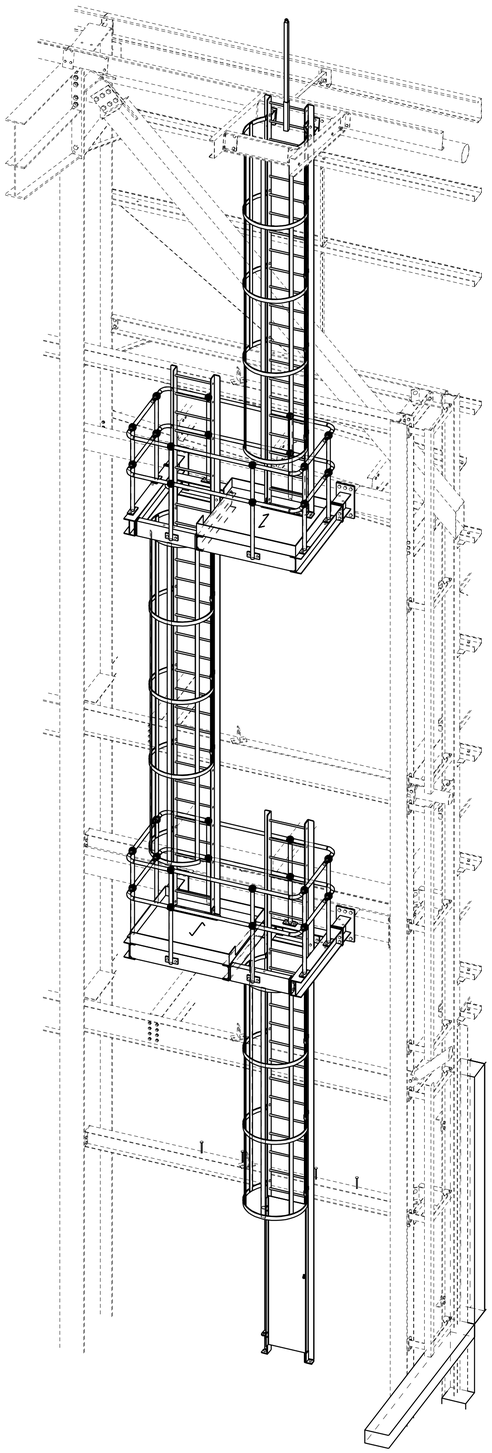
A - A

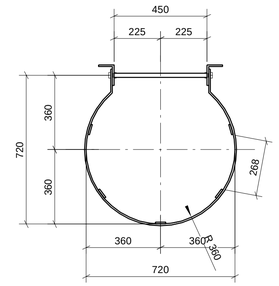


Elevation on Cat Ladder



E - E





Typ'l Ladder Dim'ns

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Specific Notes

Ladders, platforms & handrail to be galv

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Construction Issue	13.04.2023
P01	Preliminary Issue	24.03.2023

STATUS : AS BUILT ISSUE

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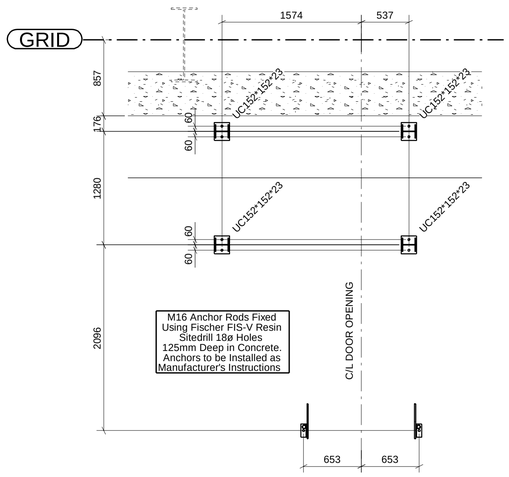
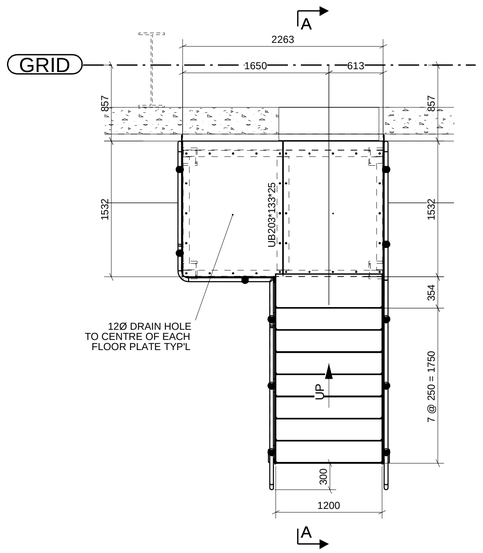
Tech E-Mail: drawing@caunton.co.uk

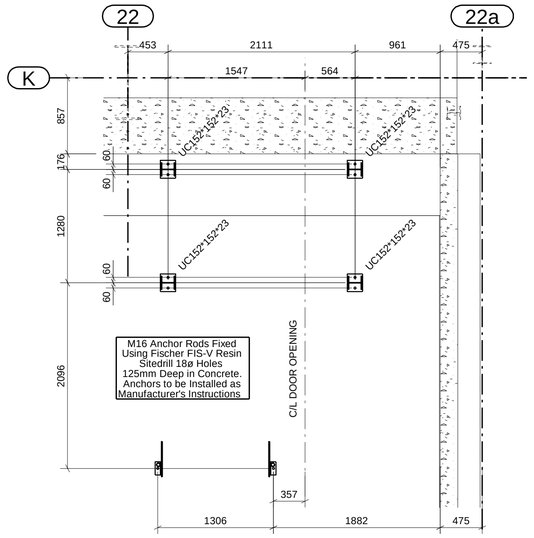
Client	Winvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	General Arrangement Showing Roof Maintenance Access Ladder Grid C/22-23
Scale	1:15 1:35
CEL Job No.	CF0157
Drawn by	D.Butler
Project Type	Design & Build
Date Created	24.03.2023
Designed Reviewed by	
Date Reviewed	
Project Number	P22036-CEL-W1-ZZ-DR-X-0501
Revision	B01



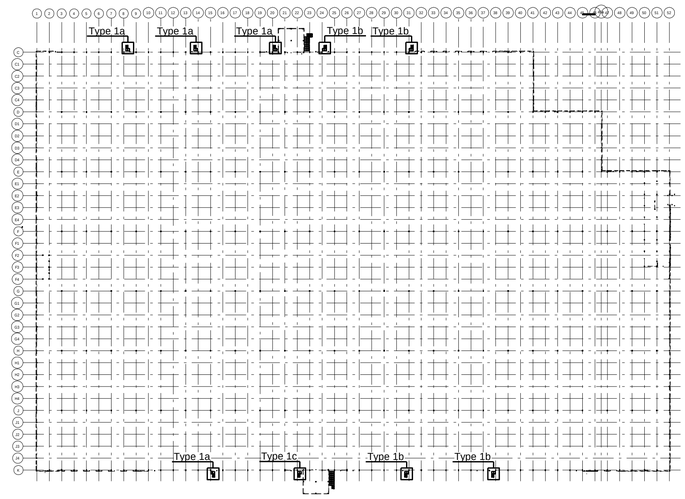
Dock Stair Type 1a Bases



Dock Stair Type 1a



Dock Stair Type 1c Bases



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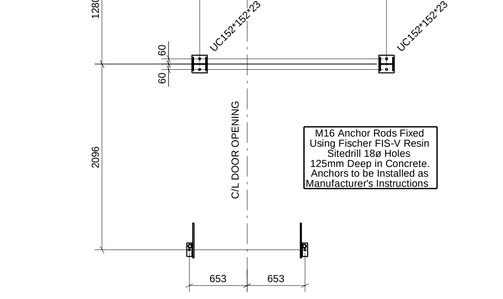
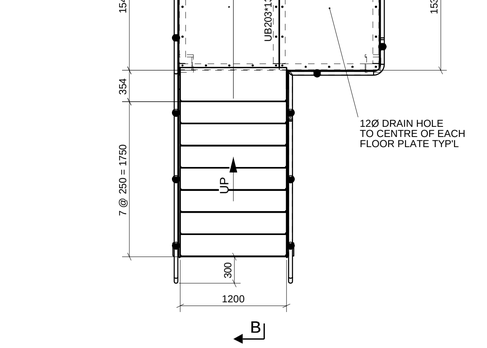
Specific Notes

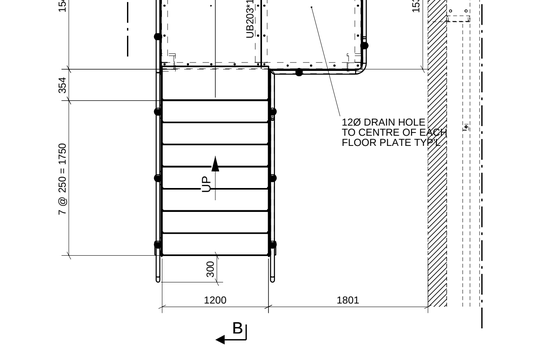
Stair stringers to be FLT12*220
Landing steel to be PFC200*75*23 U.N.O
All pattern plate is 6mm on plain
All handrail posts are CHS42.4*3.2
All h'rail/k'rails are CHS42.4*3.2
Handrail is to be a "ball & stick" type system supplied in welded panels
Stairs, landings & h'rail to be galv



Dock Stair Type 1b Bases

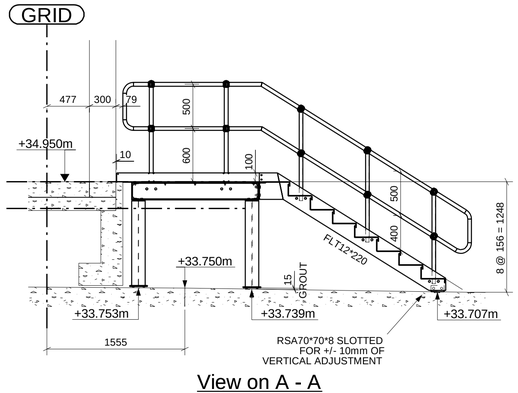


Dock Stair Type 1b

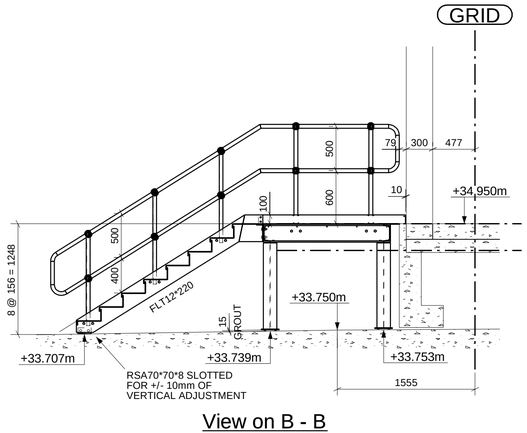


Dock Stair Type 1c

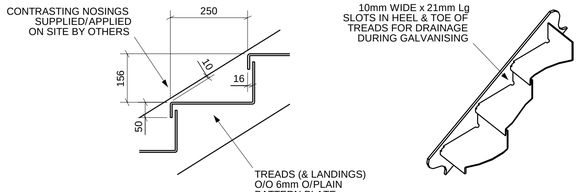
Dock Stair Type 1a (1b Opp Hand)



View on A - A



View on B - B



Typ'l Tread Details

REV. MARK	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C03	Added New Type 1b Stair at Grid C/24-25	29.06.2023
C02	Steps K28-27 Moved to K27-38	14.06.2023
C01	Comments Incoposated - Construction Issue	10.05.2023
P01	Preliminary Issue	28.04.2023

STATUS : AS BUILT ISSUE

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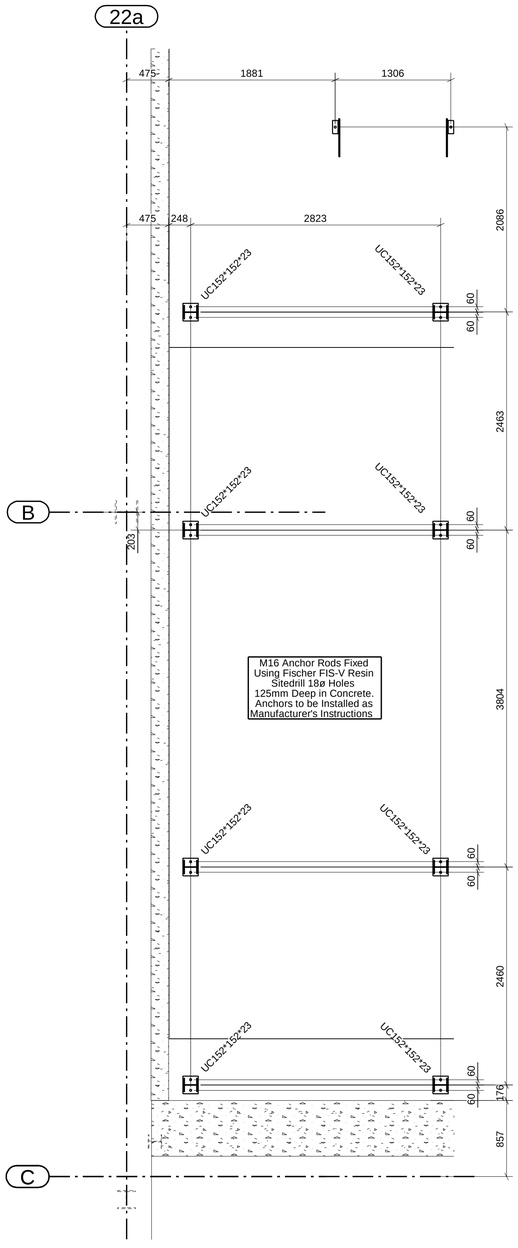
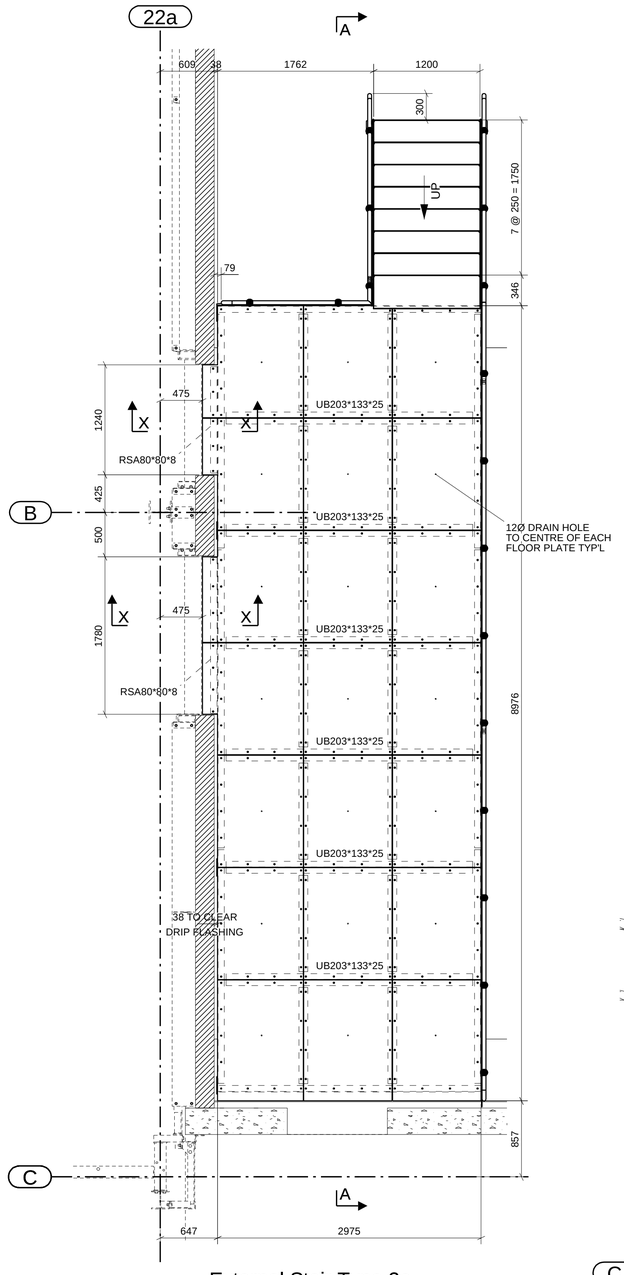
Tech E-Mail: drawing@caunton.co.uk

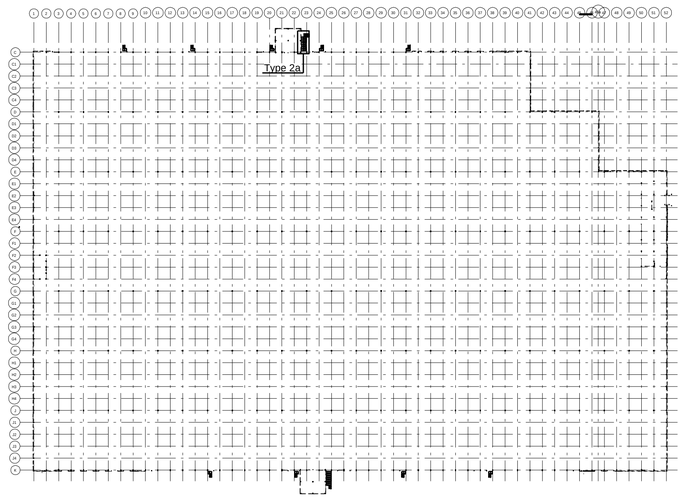
Client	Wirvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	General Arrangement Showing Dock Stairs Type 1a & 1b
Scale	1:10 1:35 1:2000
CEL Job No.	CF0157
Drawn by	D.Butler
Project Type	Design & Build
Date Created	28.04.2023
Designed Reviewed by	
Date Reviewed	
Drawing No.	P22036-CEL-W1-ZZ-DR-X-0502
Revision	B01

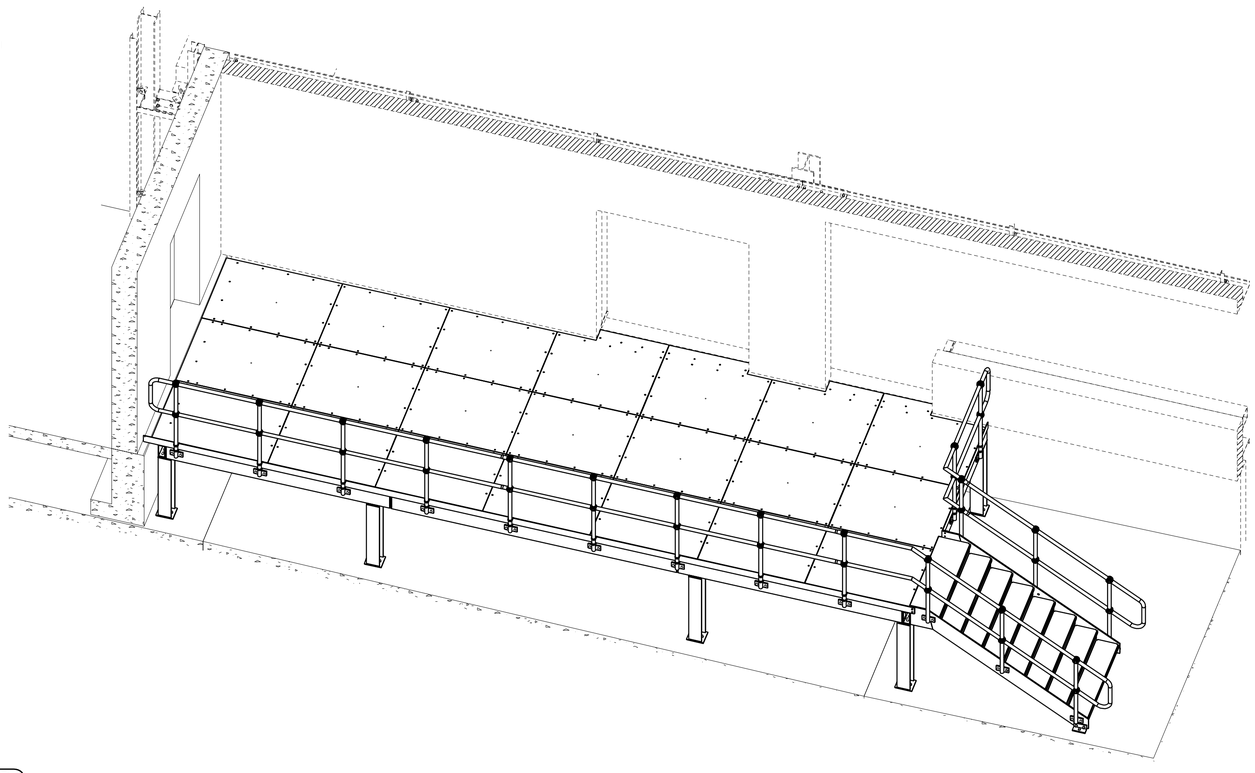


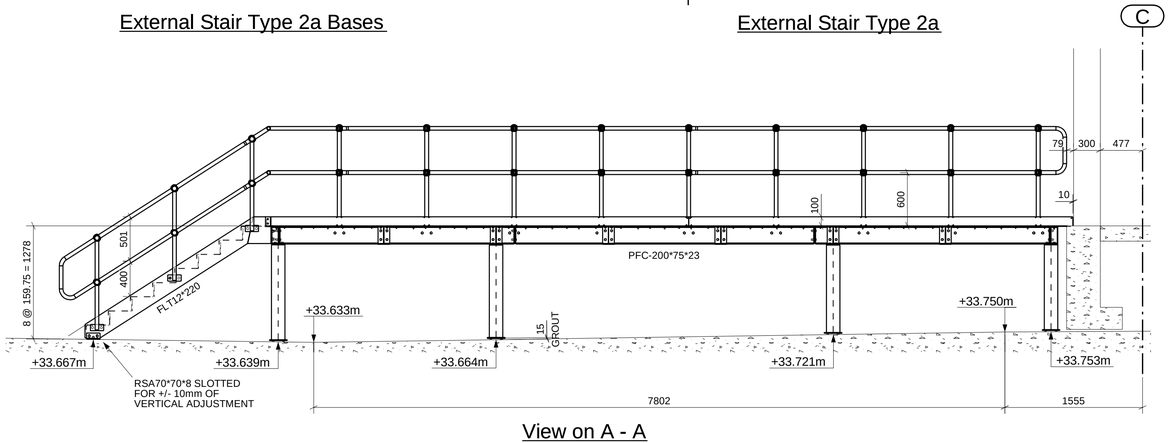
External Stair Type 2a Bases



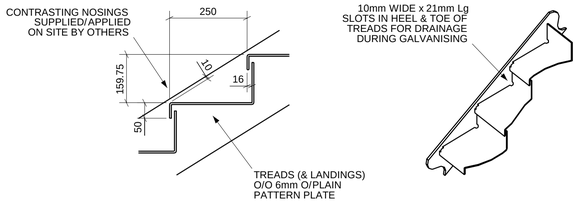
External Stair Type 2a



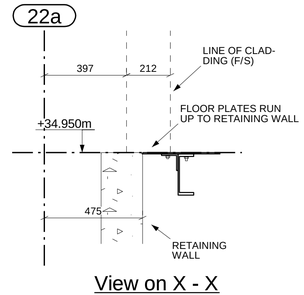




View on A - A



Typ'l Tread Details



View on X - A

IF IN DOUBT - ASK!

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A1

General Notes

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3. All levels are in metres unless noted otherwise
4. Erection mark for orientation denoted
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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 or Lead Designer for this project.
2. The Lead Designer for this project has responsibility for approving this drawing.
3. The steel frame shown on this drawing has been designed to Eurocode 3.
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 Lead Designer.
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Specific Notes

Stair stringers to be FLT12*220
Landing steel to be PFC200*75*23 U.N.O
All pattern plate is 6mm on plain
All handrail posts are CHS42.4*3.2
All h'rail/k'rails are CHS42.4*3.2
Handrail is to be a "ball & stick" type system supplied in welded panels
Stairs, landings & h'rail to be galv

REV. MARK.	REVISION DESCRIPTION	REV. DATE
B01	As-Built Issue	17.10.2023
C01	Comments Incorporated - Construction Issue	10.05.2023
P01	Preliminary Issue	28.04.2023

STATUS : AS BUILT ISSUE

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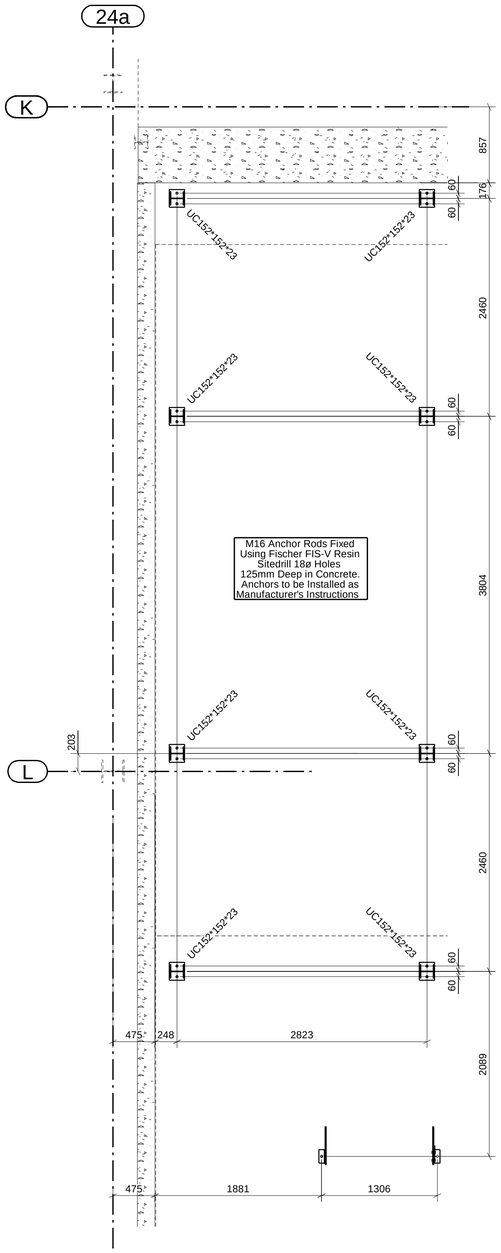
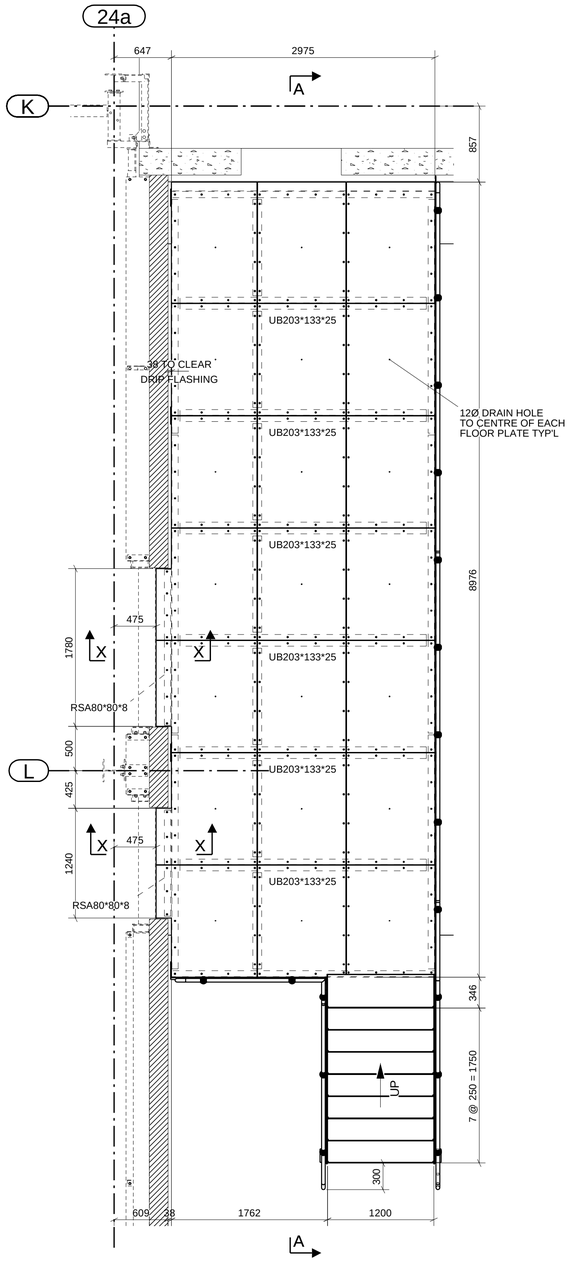
www.caunton.co.uk
Tech E-Mail: drawing@caunton.co.uk

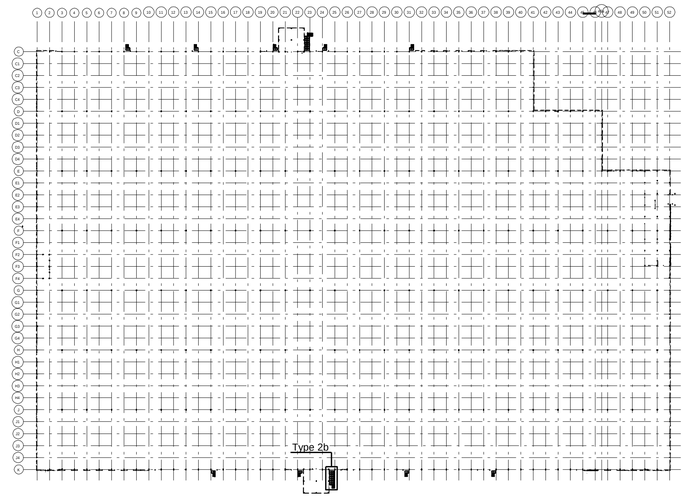
Client	Winvic Construction Ltd.
Project Description	Plot 4000, Gateway 14
Site Address	Stowmarket, Suffolk
Drawing Title	General Arrangement Showing External Stair Type 2a
Scale	1:10 1:15 1:35 1:2000
CEL Job No.	CF0157
Drawn by	D.Butler
Project Type	Design & Build
Date Created	28.04.2023
Designed Reviewed by	
Date Reviewed	
Project Originator Volume Level Type Role Drawing No.	P22036-CEL-W1-ZZ-DR-X-0503
Revision	B01

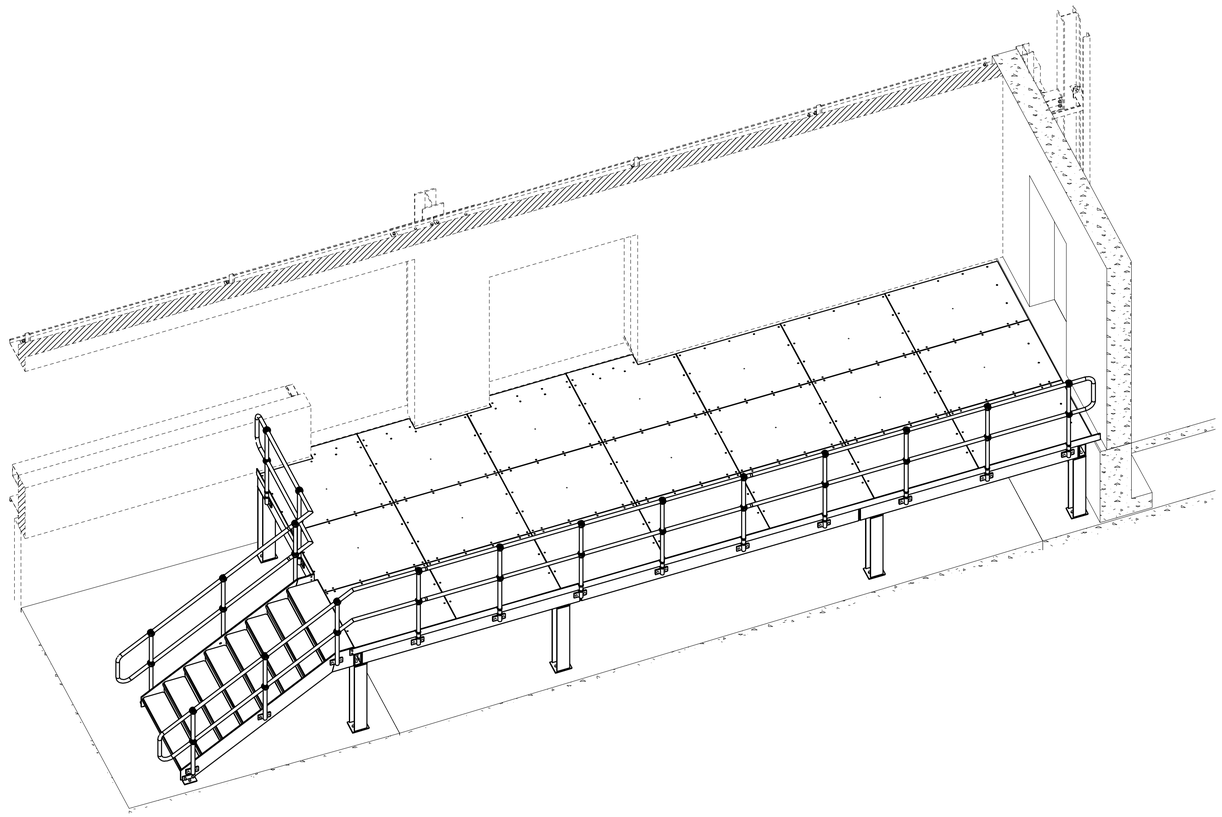


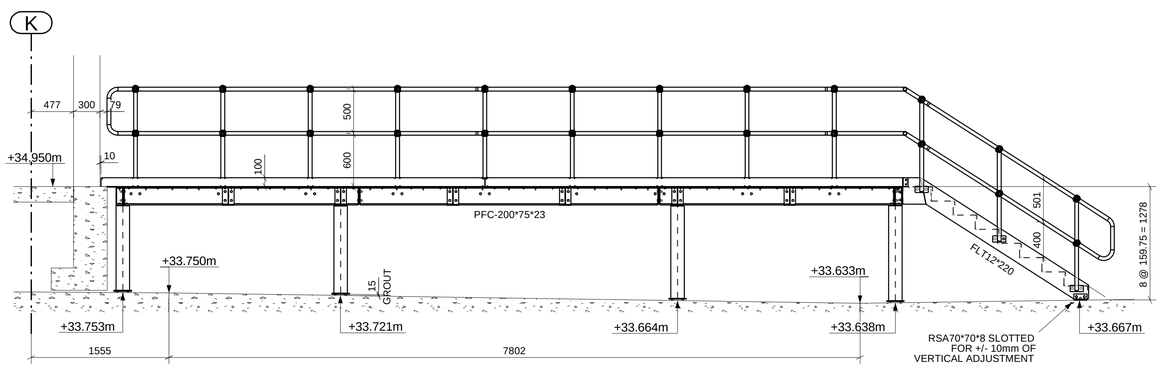
External Stair Type 2b Bases



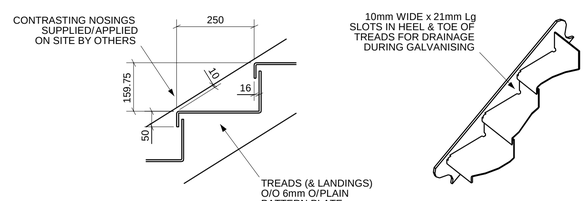
External Stair Type 2a



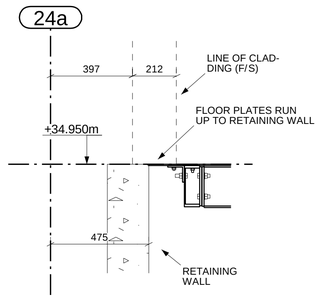




View on A - A



Typ'l Tread Details



View on X - X

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B01	As-Built Issue	17.10.2023
C01	Comments Incorporated - Construction Issue	10.05.2023
P01	Preliminary Issue	28.04.2023

STATUS : AS BUILT ISSUE

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

Client:	Wrivic Construction Ltd.
Project Description:	Plot 4000, Gateway 14
Site Address:	Stowmarket, Suffolk
Drawing Title:	General Arrangement Showing External Stair Type 2b
Scale:	1:10 1:15 1:35 1:2000
CEL Job No.	CF0157
Drawn by	D.Butler
Project Type	Design & Build
Date Created	28.04.2023
Designed Reviewed by	
Date Reviewed	
Drawing Number	P22036-CEL-W1-ZZ-DR-X-0504
Revision	B01