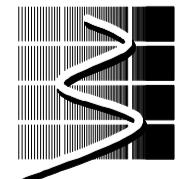
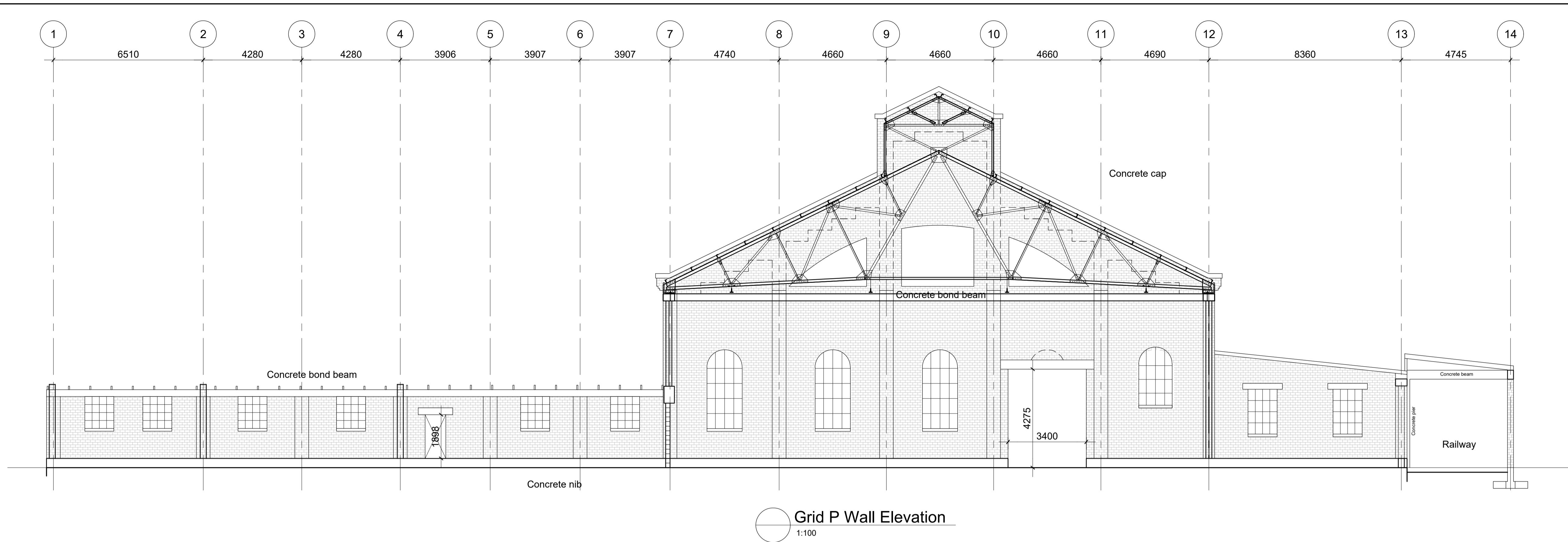
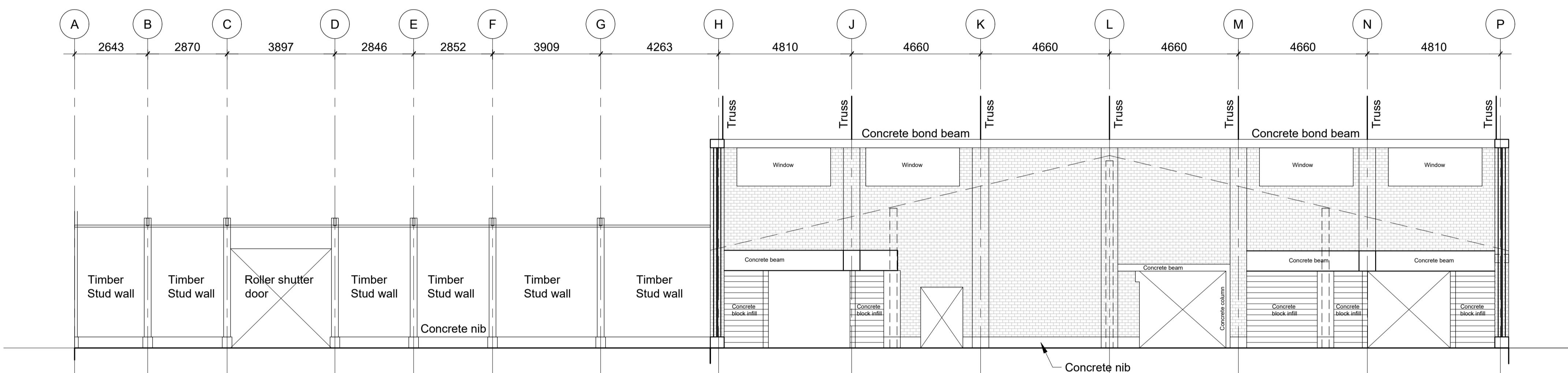


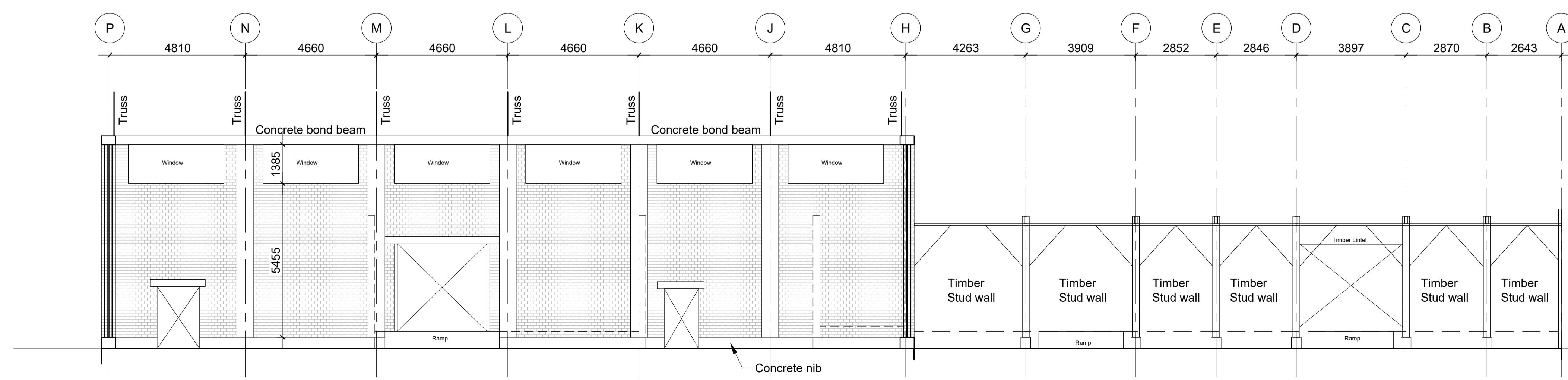
C	DSA Report	18-03-24
B	Preliminary	13-03-24
A	Preliminary	07-12-23
Rev.	Description of Issue / Revision	Date
Client	MALTEUROP ASHBURTON	
Project	GLASSWORKS BUILDING EQ STRENGTHENING PRELIMINARY DESIGN	
Title	EXISTING ROOF FRAMING PLAN	
Bonniface Consulting	 Bonniface Consulting Structural Engineers	
Bonniface Consulting Ltd 3/202 Woolridge Road P.O. Box 39131 Christchurch Tel: (03) 963 1025 Email: admin@bonniface.com		
Job No. 1712	Drg. No.	S-02
Designed D.B.		
Drawn John Wilson		
Scales 1:150 (A1)		Rev. C
1:300 (A3)		



Grid P Wall Elevation
1:100



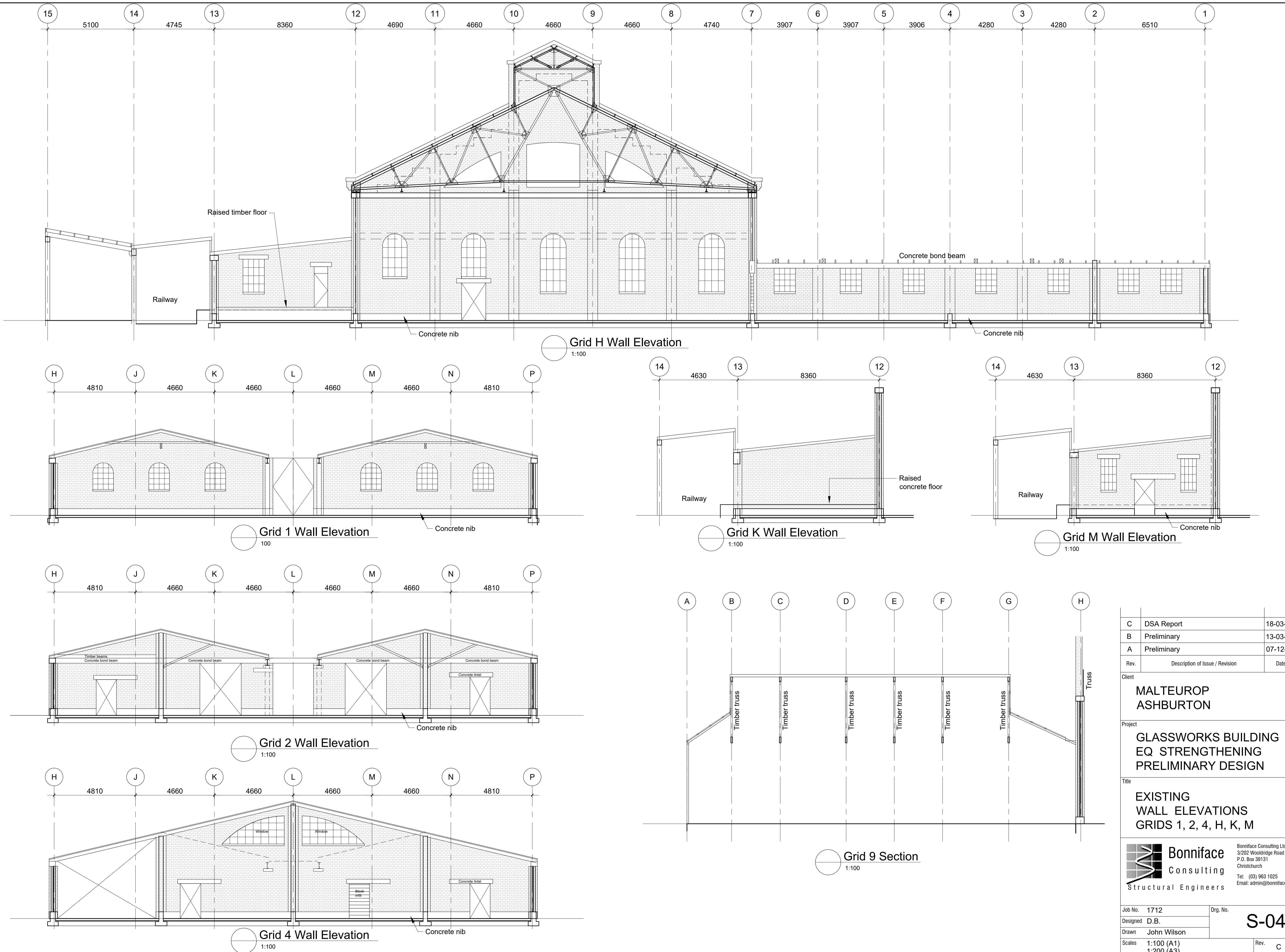
Grid 7 Wall Elevation
1:100

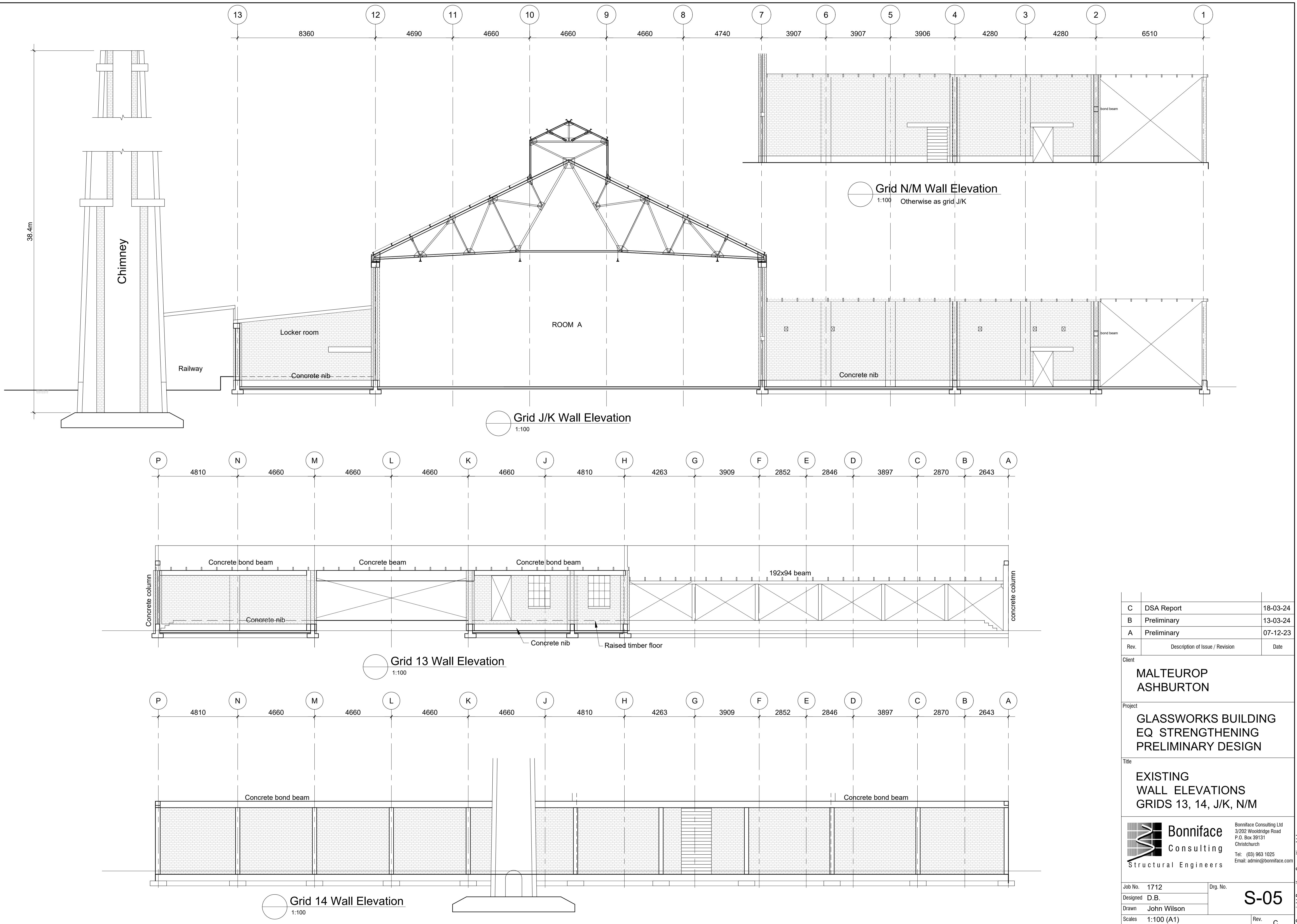


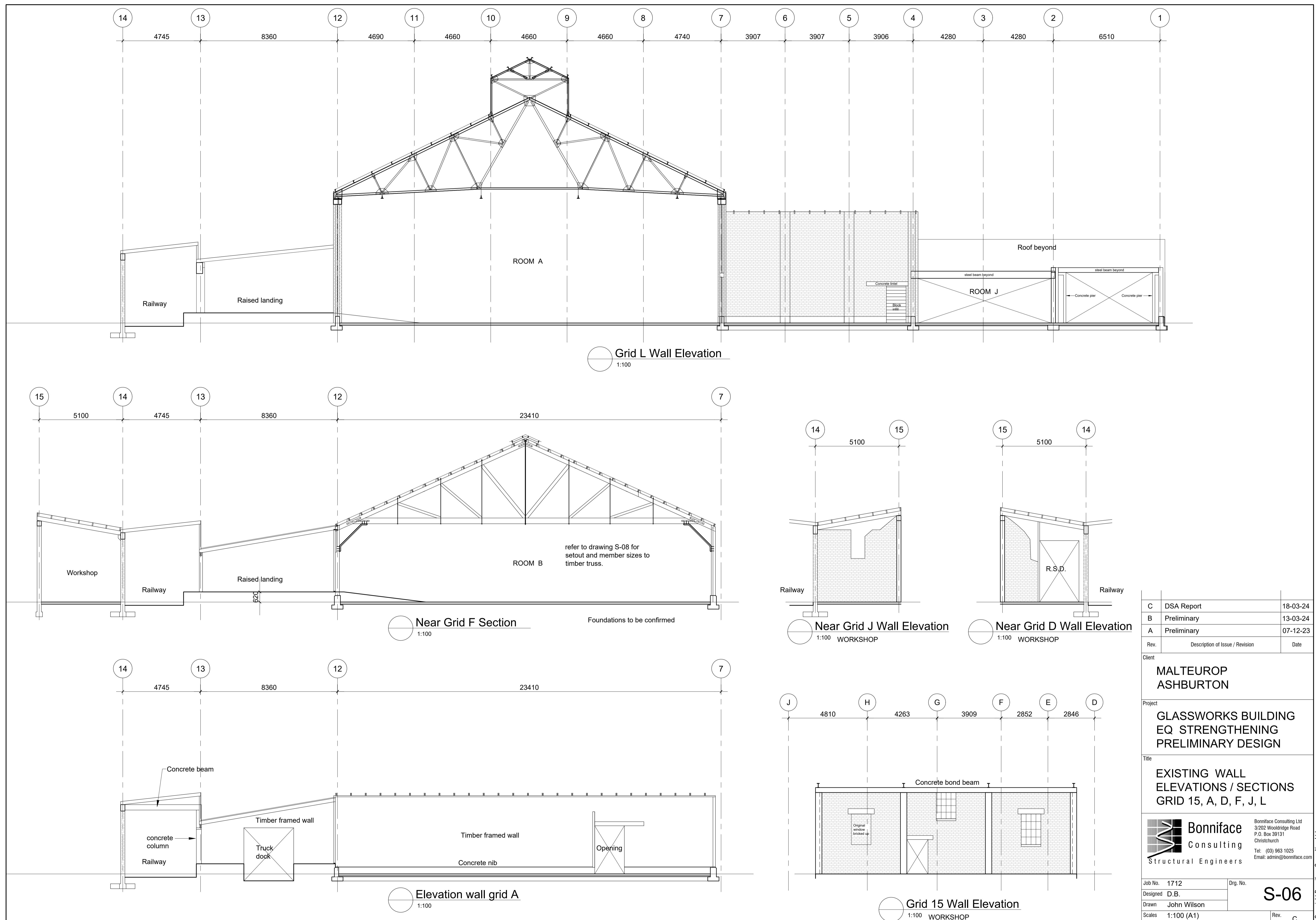
Grid 12 Wall Elevation
1:100

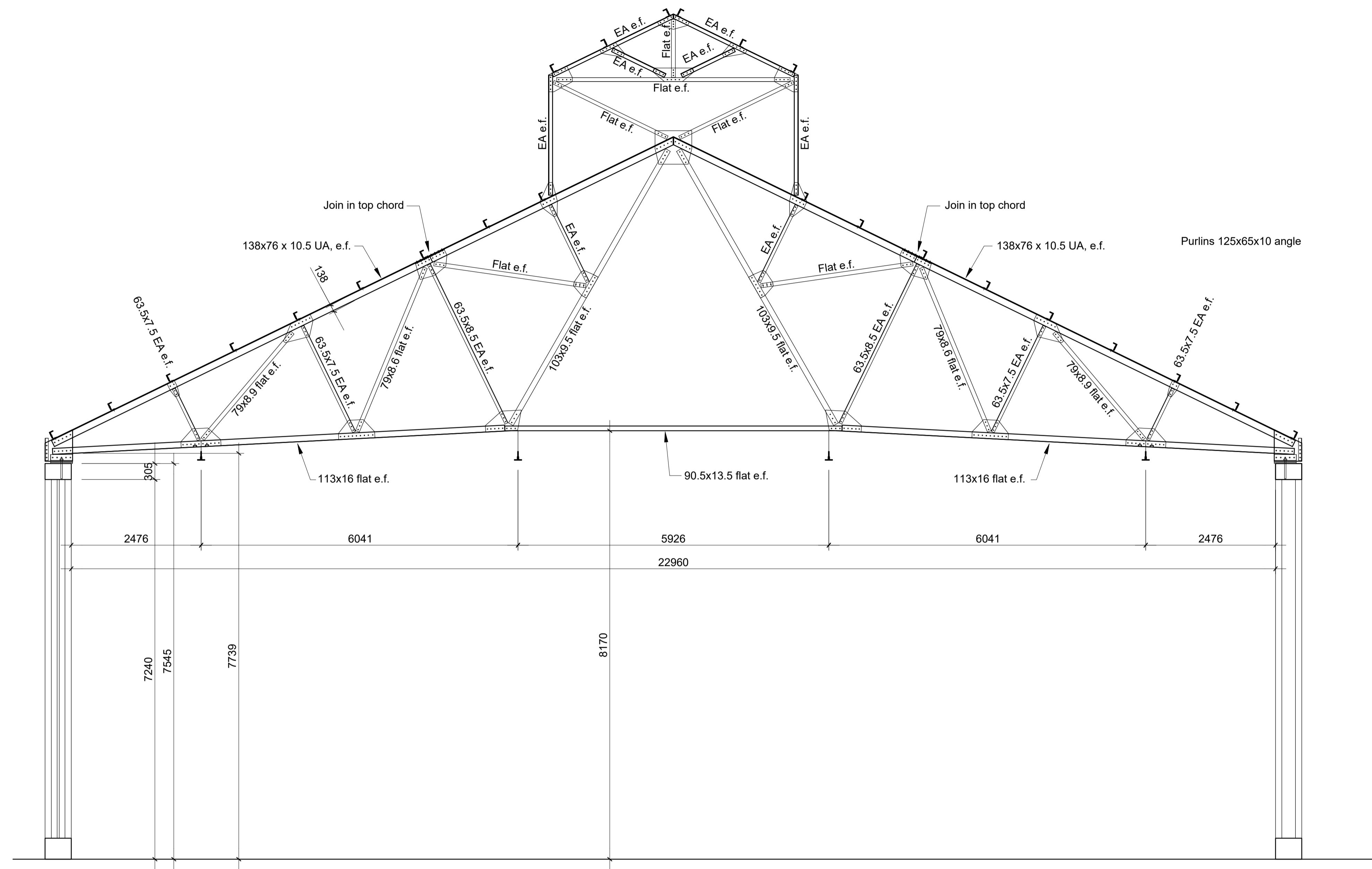
C	DSA Report	18-03-24
B	Preliminary	13-03-24
A	Preliminary	07-12-23
Rev.	Description of Issue / Revision	Date
Client	MALTEUROP ASHBURTON	
Project	GLASSWORKS BUILDING EQ STRENGTHENING PRELIMINARY DESIGN	
Title	EXISTING WALL ELEVATIONS GRID P, 7, 12	
 Bonniface Consulting Structural Engineers		Bonniface Consulting Ltd 3/202 Woolridge Road P.O. Box 39131 Christchurch Tel: (03) 963 1025 Email: admin@bonniface.com
Job No.	1712	Drg. No.
Designed	D.B.	
Drawn	John Wilson	
Scales	1:100 (A1) 1:200 (A3)	Rev. C

S-03





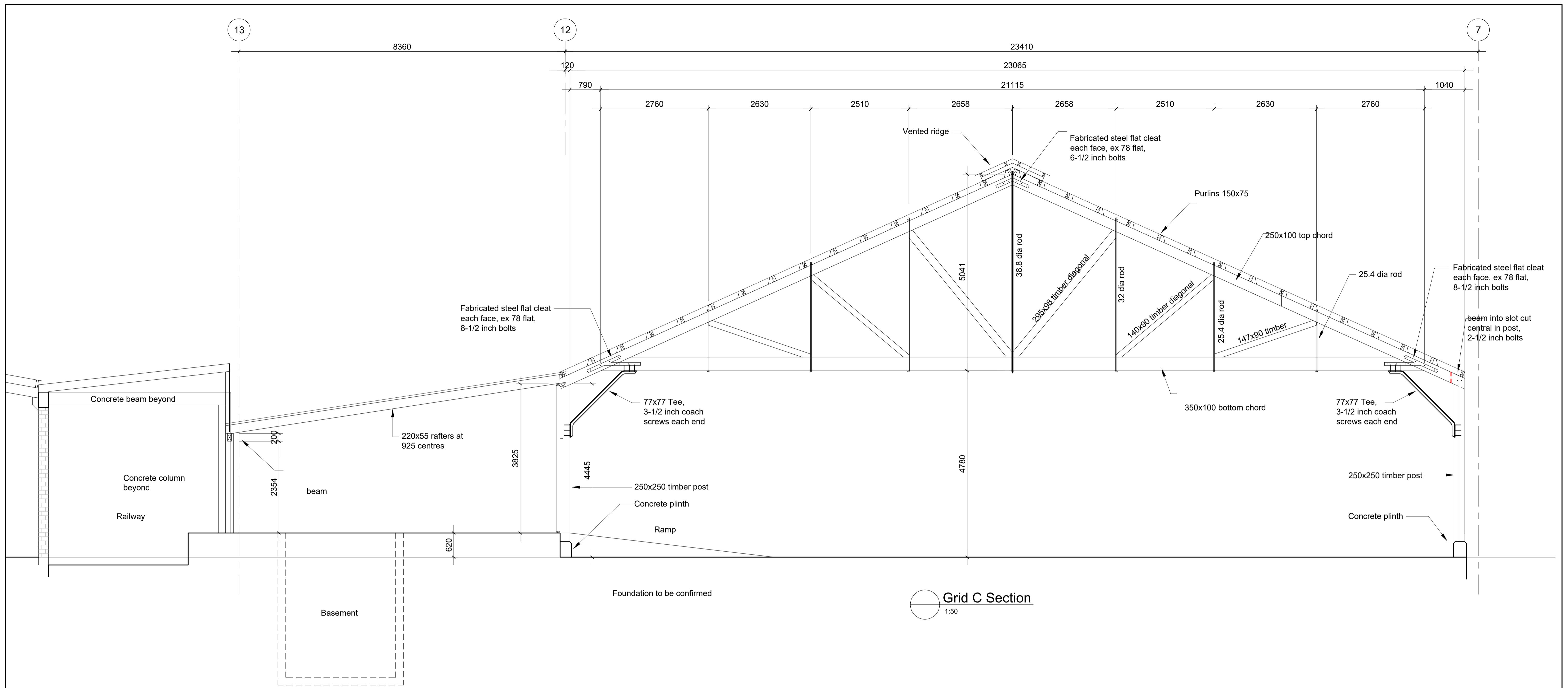




Steel Truss Elevation
1:50

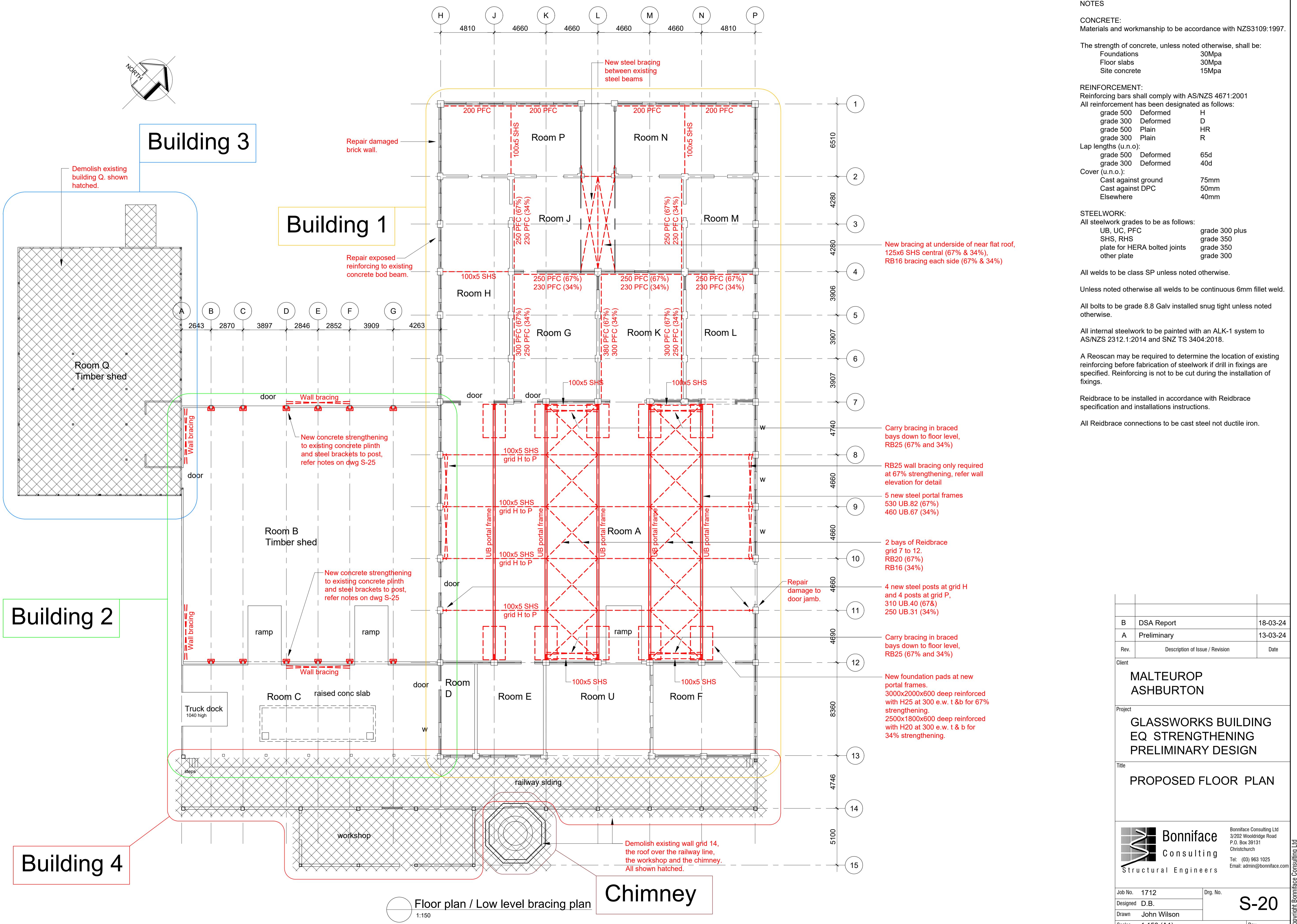
C	DSA Report	18-03-24
B	Preliminary	13-03-24
A	Preliminary	07-12-23
Rev.	Description of Issue / Revision	Date
Client	MALTEUROP ASHBURTON	
Project	GLASSWORKS BUILDING EQ STRENGTHENING PRELIMINARY DESIGN	
Title	EXISTING STEEL TRUSS ELEVATION	
Bonniface Consulting	Bonniface Consulting Ltd 3/202 Woolridge Road P.O. Box 39131 Christchurch Tel: (03) 963 1025 Email: admin@bonniface.com	
Job No.	1712	Drg. No.
Designed	D.B.	
Drawn	John Wilson	
Scales	1:50 (A1) 1:100 (A3)	Rev. C

S-07



Grid C Section
1:50

C	DSA Report	18-03-24
B	Preliminary	13-03-24
A	Preliminary	07-12-23
Rev.	Description of Issue / Revision	Date
Client	MALTEUROP ASHBURTON	
Project	GLASSWORKS BUILDING EQ STRENGTHENING PRELIMINARY DESIGN	
Title	EXISTING TIMBER SHED B TRUSS ELEVATION	
 Bonniface Consulting Structural Engineers		Bonniface Consulting Ltd 3/202 Woolridge Road P.O. Box 39131 Christchurch Tel: (03) 963 1025 Email: admin@bonniface.com
Job No.	1712	Drg. No.
Designed	D.B.	
Drawn	John Wilson	
Scales	1:50 (A1) 1:100 (A3)	Rev. C
		S-08



NOTES

CONCRETE:
Materials and workmanship to be accordance with NZS3109:1997.

The strength of concrete, unless noted otherwise, shall be:

Foundations	30Mpa
Floor slabs	30Mpa
Site concrete	15Mpa

REINFORCEMENT:
Reinforcing bars shall comply with AS/NZS 4671:2001
All reinforcement has been designated as follows:

All reinforcement has been designated as follows:

grade 500	Deformed	H
grade 300	Deformed	D
grade 500	Plain	HR
grade 300	Plain	R

Lap lengths (u.n.o):

grade 500	Deformed	65d
grade 300	Deformed	40d

Cover (u.n.o.):	
Cast against ground	75mm
Cast against DPC	50mm
Elsewhere	40mm

STEELWORK:	
All steelwork grades to be as follows:	
UB, UC, PFC	grade 300 plus
SHS, RHS	grade 350
plate for HERA bolted joints	grade 350
other plate	grade 300

All welds to be class SR unless noted otherwise.

Unless noted otherwise all welds to be continuous 6mm fillet weld.

All bolts to be grade 8.8 Galv installed snug tight unless noted otherwise.

All internal steelwork to be painted with an ALK-1 system to AS/NZS 2312 1:2014 and SNZ TS 3404:2018

A Reoscan may be required to determine the location of existing reinforcing before fabrication of steelwork if drill in fixings are specified. Reinforcing is not to be cut during the installation of fixings.

Reidbrace to be installed in accordance with Reidbrace specification and installations instructions.

All Reidbrace connections to be cast steel not ductile iron.

B	DSA Report	18-03-24
A	Preliminary	13-03-24
Rev.	Description of Issue / Revision	Date

MALTEUROPA ASHBURYTON

Project

GLASSWORKS BUILDING

EQ STRENGTHENING

PRELIMINARY DESIGN

PROPOSED FLOOR PLAN

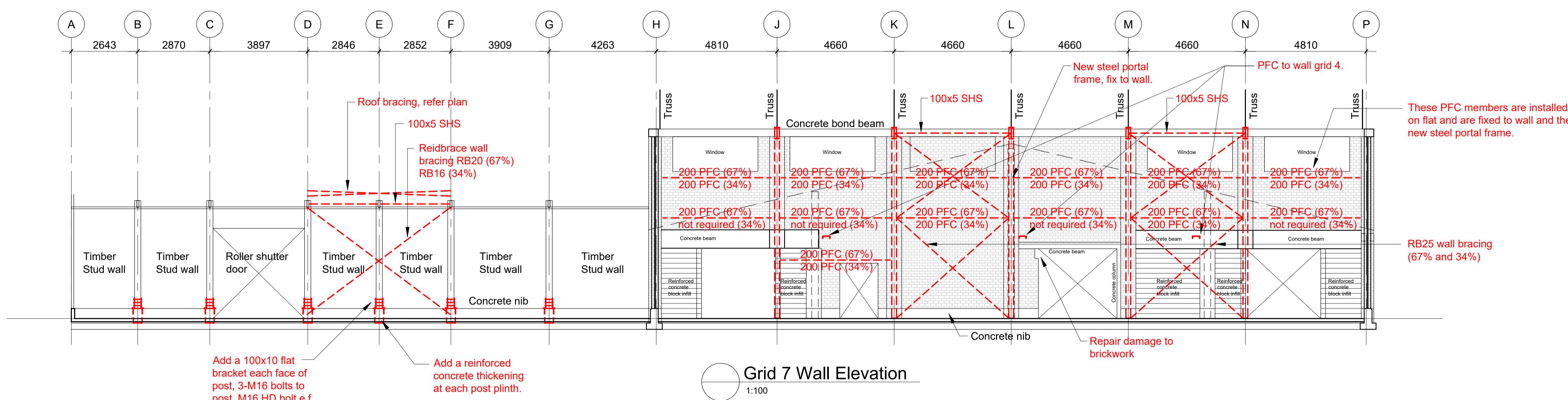
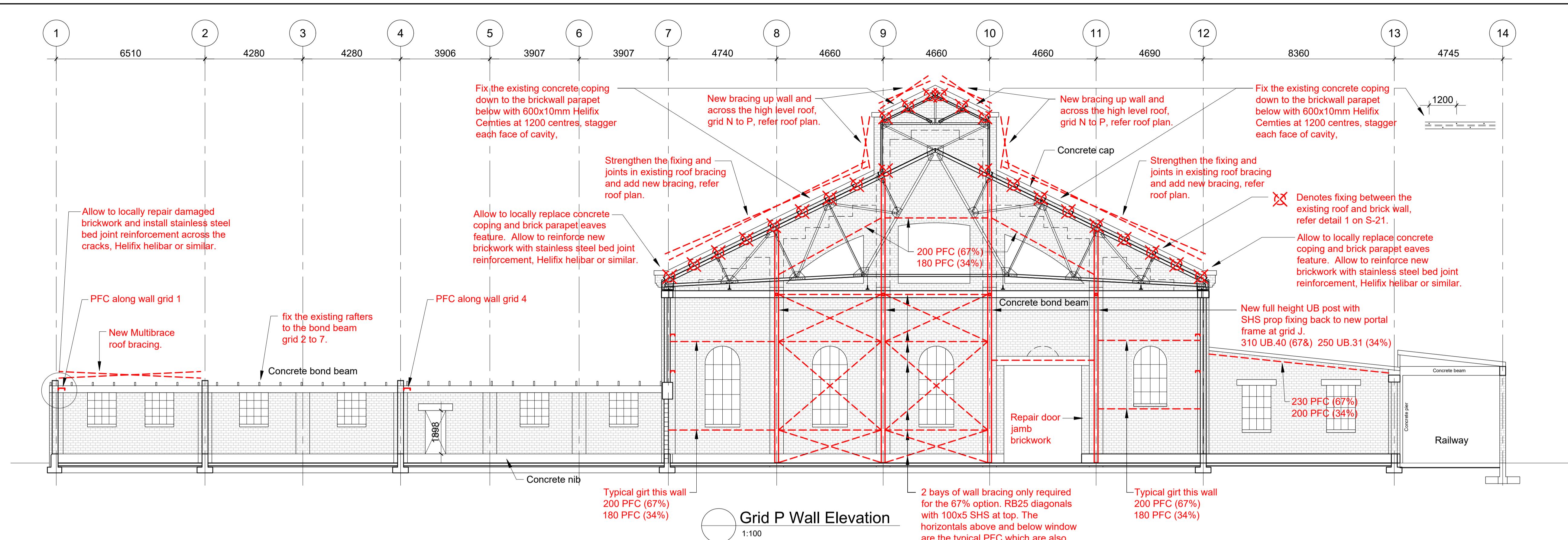


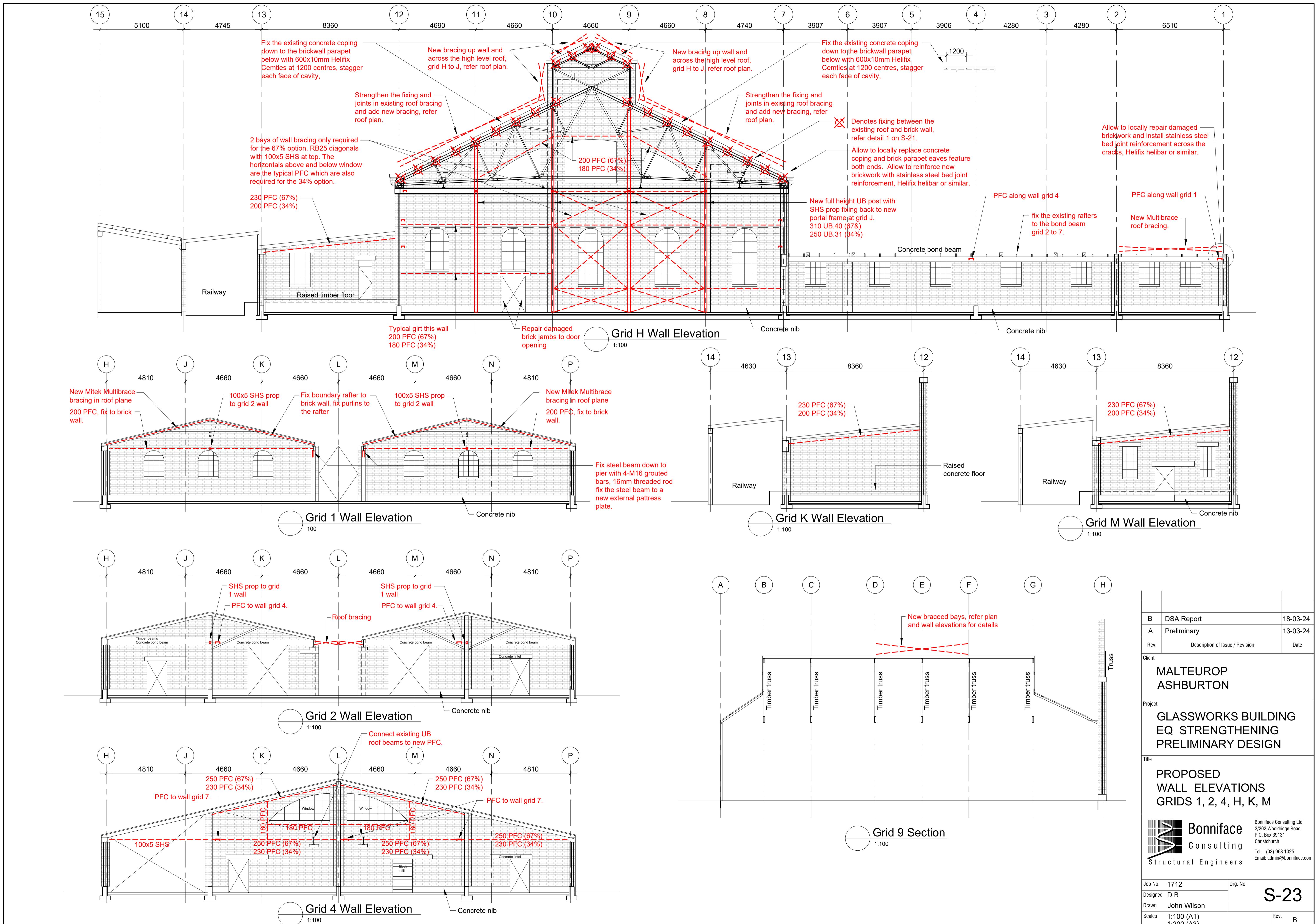
Bonniface
Consulting
Structural Engineers

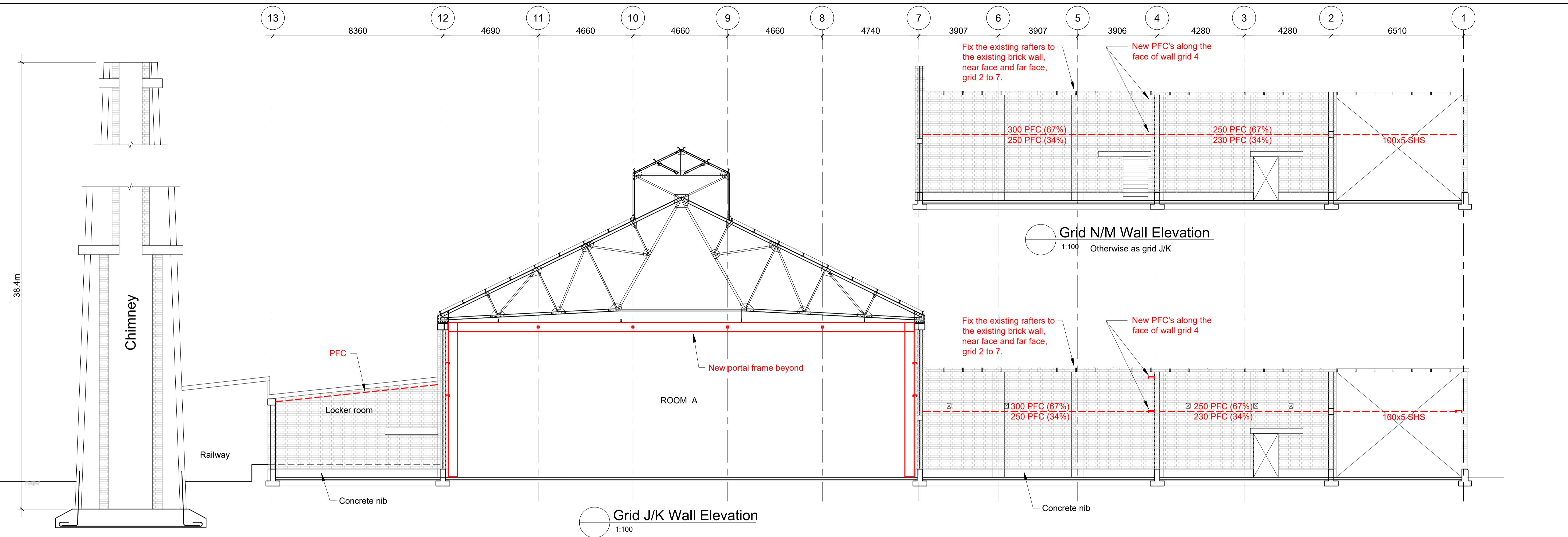
Bonniface Consulting Ltd
3/202 Wooldridge Road
P.O. Box 39131
Christchurch
Tel: (03) 963 1025
Email: admin@bonniface.com

Job No.	1712	Drg.
Designed	D.B.	
Drawn	John Wilson	
Scales	1:150 (A1) 1:300 (A3)	

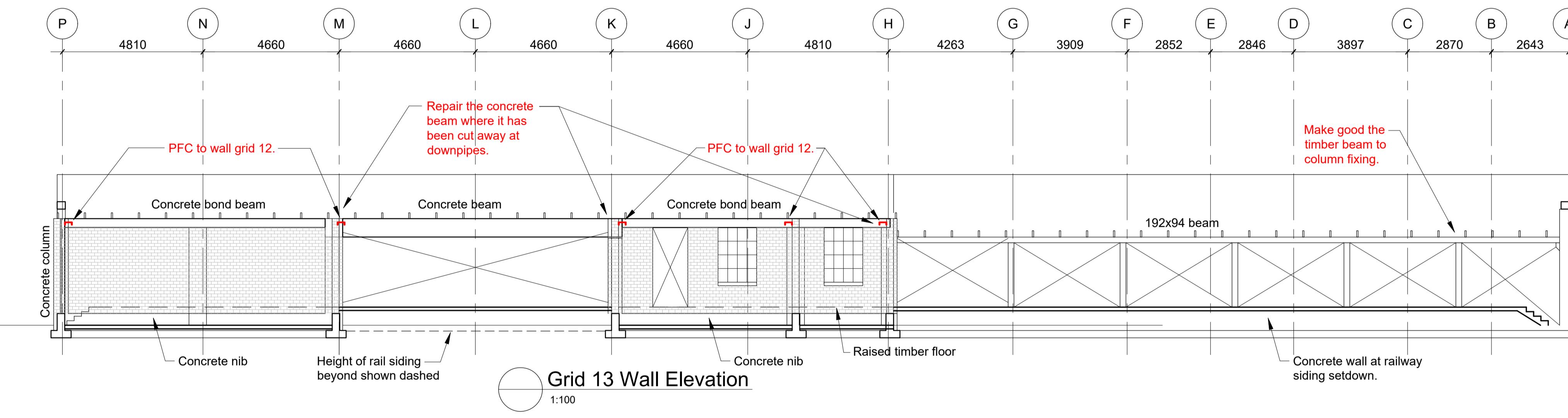
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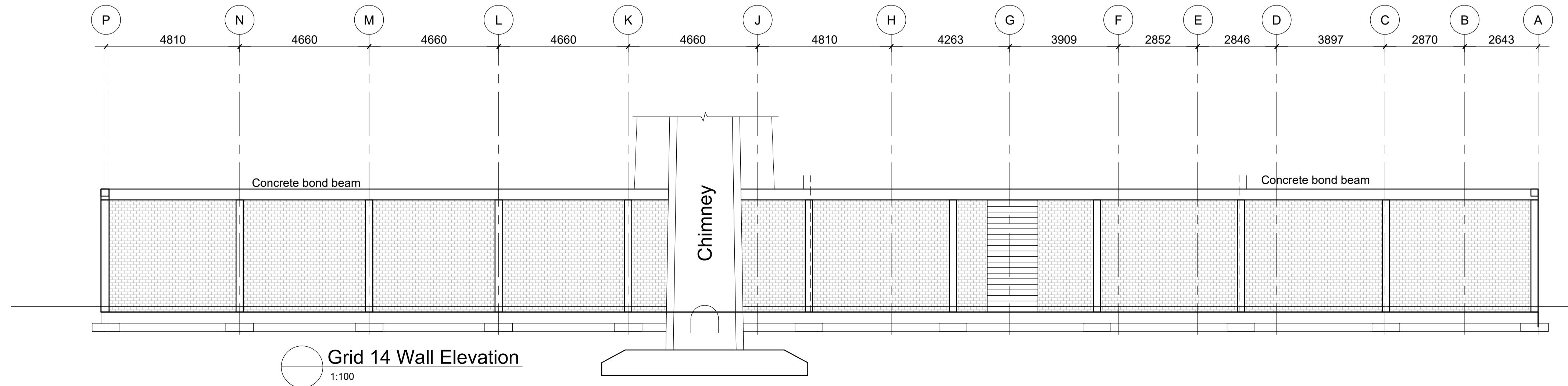




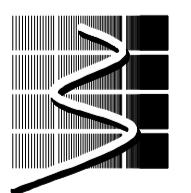
Grid J/K Wall Elevation
1:100



Grid 13 Wall Elevation
1:100



Grid 14 Wall Elevation
1:100

B	DSA Report	18-03-24
A	Preliminary	13-03-24
Rev.	Description of Issue / Revision	Date
Client		
MALTEUROP ASHBURTON		
Project		
GLASSWORKS BUILDING EQ STRENGTHENING PRELIMINARY DESIGN		
Title		
EXISTING WALL ELEVATIONS GRIDS 13, 14, J/K, N/M		
 Bonniface Consulting Structural Engineers		
Bonniface Consulting Ltd 3/202 Woolridge Road P.O. Box 39131 Christchurch Tel: (03) 963 1025 Email: admin@bonniface.com		
Job No.	1712	Drg. No.
Designed.	D.B.	
Drawn	John Wilson	
Scales	1:100 (A1) 1:200 (A3)	Rev. B

