

SAW project no. 000192
Yoker Site, Glasgow
13.10.2017
Final Construction Issue
Material Quantities



Note:
Timber quantities are *net* areas & volumes (i.e. no wastage allowance included) **GIA: 3600 m2**
Volumes / Areas provided for information only.

CLT Wall Panels			Quantities	
	Thickness (mm)	Type		
SE-100-L3s	100	L3s	Timber Volume	114.6 m3
			Timber Surface Area	1148.6 m2
SE-100-L5s	100	L5s	Timber Volume	96.8 m3
			Timber Surface Area	967.5 m2
SE-120-L3s	120	L3s	Timber Volume	35.9 m3
			Timber Surface Area	299.4 m2
SE-120-C5s	120	C5s	Timber Volume	27.7 m3
			Timber Surface Area	230.9 m2
SE-120-L5s	120	L5s	Timber Volume	201.4 m3
			Timber Surface Area	1678.1 m2
SE-140-C5s	140	C5s	Timber Volume	65.2 m3
			Timber Surface Area	465.7 m2
SE-140-L5s	140	L5s	Timber Volume	89.9 m3
			Timber Surface Area	643.3 m2
Total			Timber Volume	632 m3
			Timber Surface Area	5433 m2

CLT Floor/Roof Panels			Quantities	
	Thickness (mm)	Type		
SE-100-L3s	100	L3s	Timber Volume	52.5 m3
			Timber Surface Area	524.9 m2
SE-120-L5s	120	L5s	Timber Volume	351.1 m3
			Timber Surface Area	2926.1 m2
SE-140-L5s	140	L5s	Timber Volume	26.5 m3
			Timber Surface Area	189.5 m2
SE-200-L5s	200	L5s	Timber Volume	9.8 m3
			Timber Surface Area	49.2 m2
Total			Timber Volume	440 m3
			Timber Surface Area	3690 m2

Steel Beams			Quantities	
	Weight (kg/m)	No.		
RHS90X50X5.0	9.99	160	Total Length	198.5 m
			Total Weight	1983.4 kg
RHS150X100X5.0	18.6	7	Total Length	28.7 m
			Total Weight	534.2 kg
UC152X152X37	37	2	Total Length	7.7 m
			Total Weight	286.2 kg
UC203X203X71	71	2	Total Length	5.8 m
			Total Weight	409.6 kg
Total			Total Length	241 m
			Total Weight	3213 kg

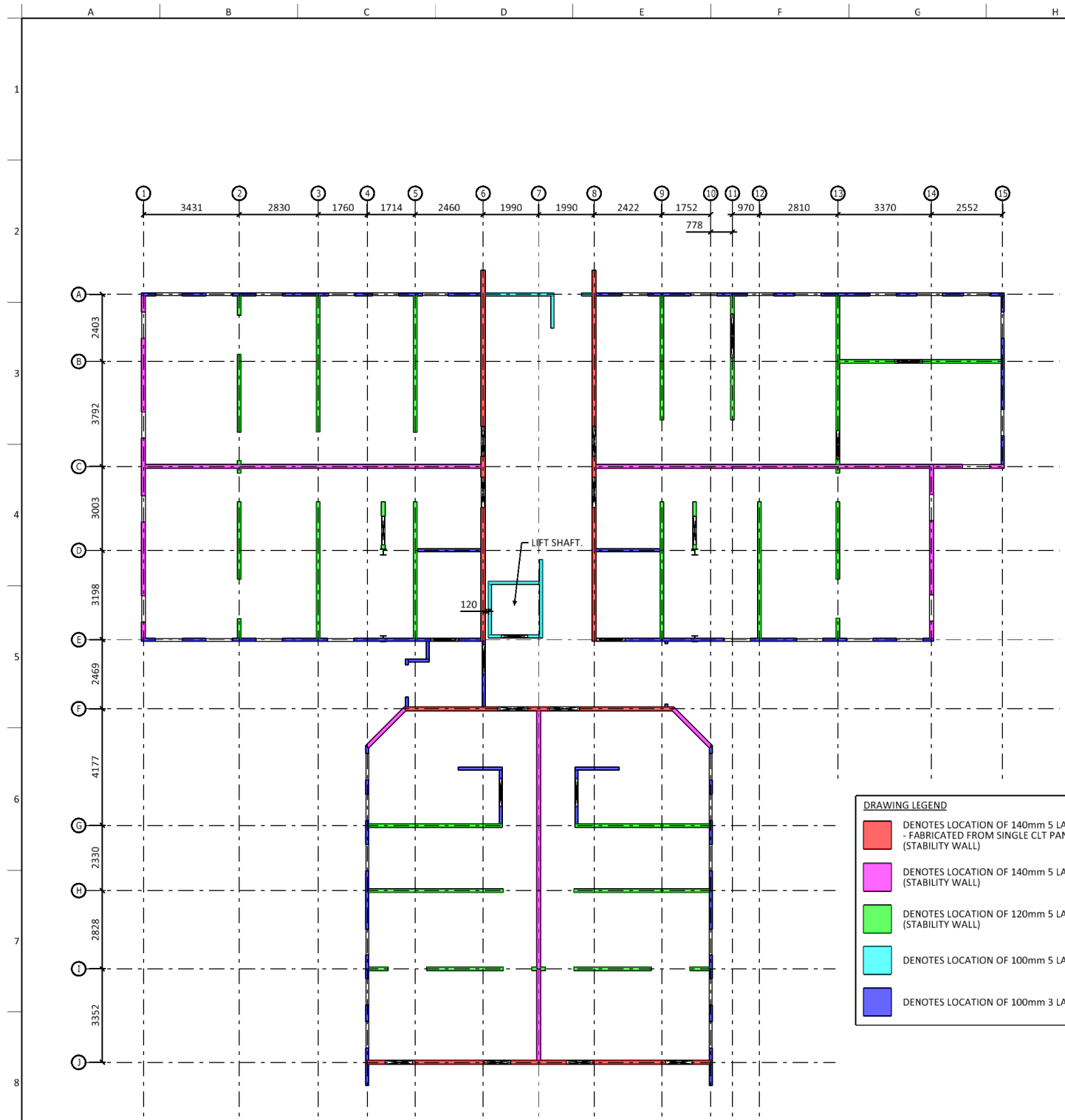
Steel Columns			Quantities	
	Weight (kg/m)	No.		
UC203X203X71	71	4	Total Length	11.4 m
			Total Weight	807.6 kg
Total			Total Length	11 m
			Total Weight	808 kg

NOTE
1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
3. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS

5. CALCULATIONS AND DRAWINGS TO BE PROVIDED TO SER CERTIFIER A MINIMUM OF 14 DAYS PRIOR TO FABRICATION

NOTE: REFER TO CLT SUB-CONTRACTOR (EURBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

Drawing Title BUILDING ISOMETRIC					
Drawing Status CONSTRUCTION			50 St Andrews Street, Cambridge, CB2 3AH; T: 01223 750249; E: contact@smithandwallwork.com		
Scale NTS @ A1			Job Title Yoker Site, Glasgow		
Issue C01			Job No 000192		
By BP			Drawing No YOK-SW-DR-S-090		
Chk'd FP			Size A1		
App'd SS					
Description ISSUED FOR FINAL CONSTRUCTION					



GENERAL ARRANGEMENT PLAN - GROUND FLOOR

DRAWING LEGEND

- DENOTES LOCATION OF 140mm 5 LAYER BOARD - FABRICATED FROM SINGLE CLT PANEL (STABILITY WALL)
- DENOTES LOCATION OF 140mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 120mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 5 LAYER BOARD
- DENOTES LOCATION OF 100mm 3 LAYER BOARD



GROUND FLOOR ISOMETRIC

NOTE

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CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd
Drawing Title GENERAL ARRANGEMENT GROUND FLOOR					
Drawing Status CONSTRUCTION					
Scale 1:100 @ A1 / 1:200 @ A3					
Issue C01					

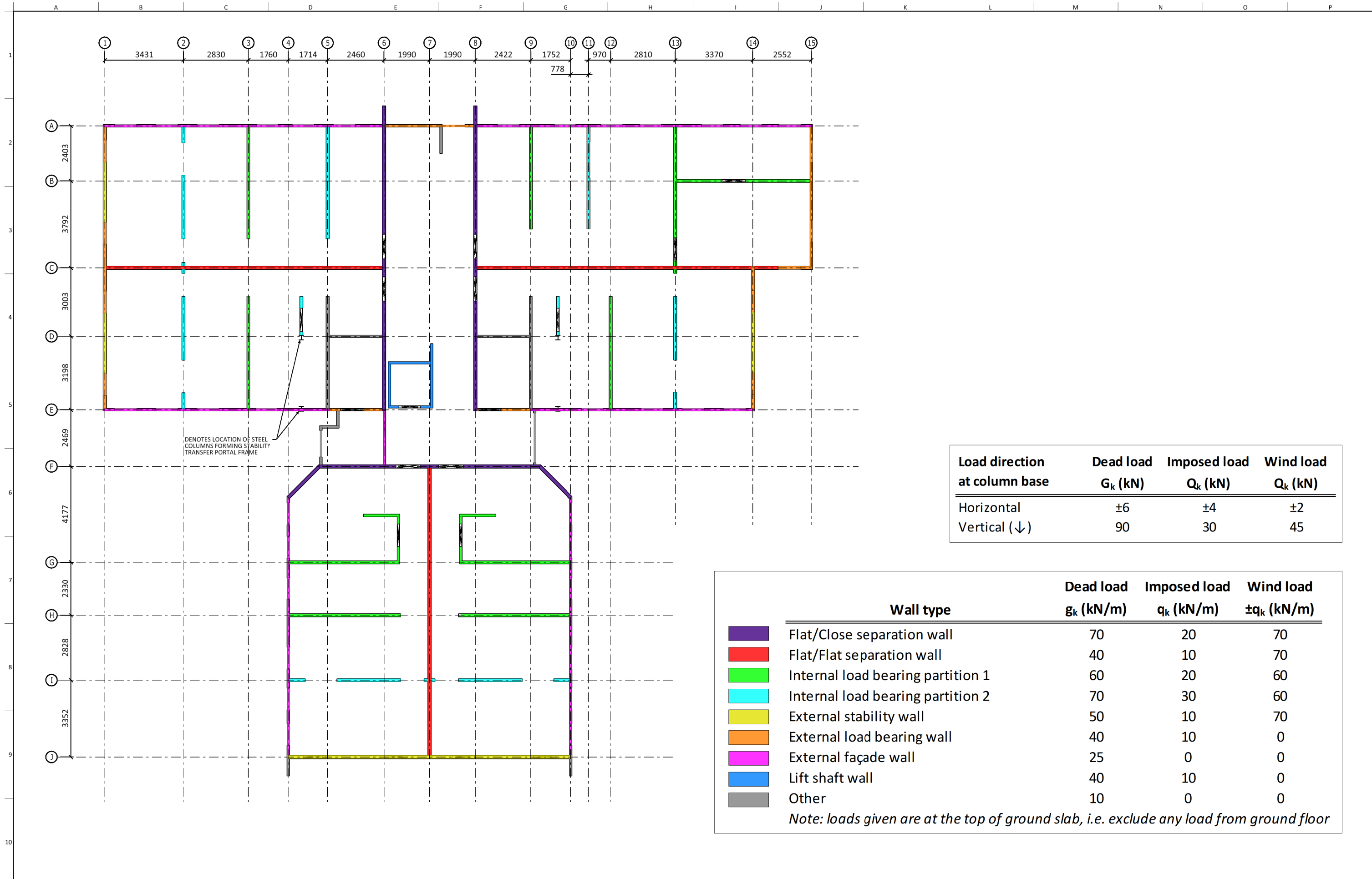
smithandwallworkengineers
 50 St Andrews Street, Cambridge, CB2 3AH; T: 01223 750249; E: contact@smithandwallwork.com

Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-100

Size
A1



NOTE
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CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd

Drawing Title
 GENERAL ARRANGEMENT
 FOUNDATION LOADS

Drawing Status
 CONSTRUCTION

Scale
 NTS

Issue
 C01

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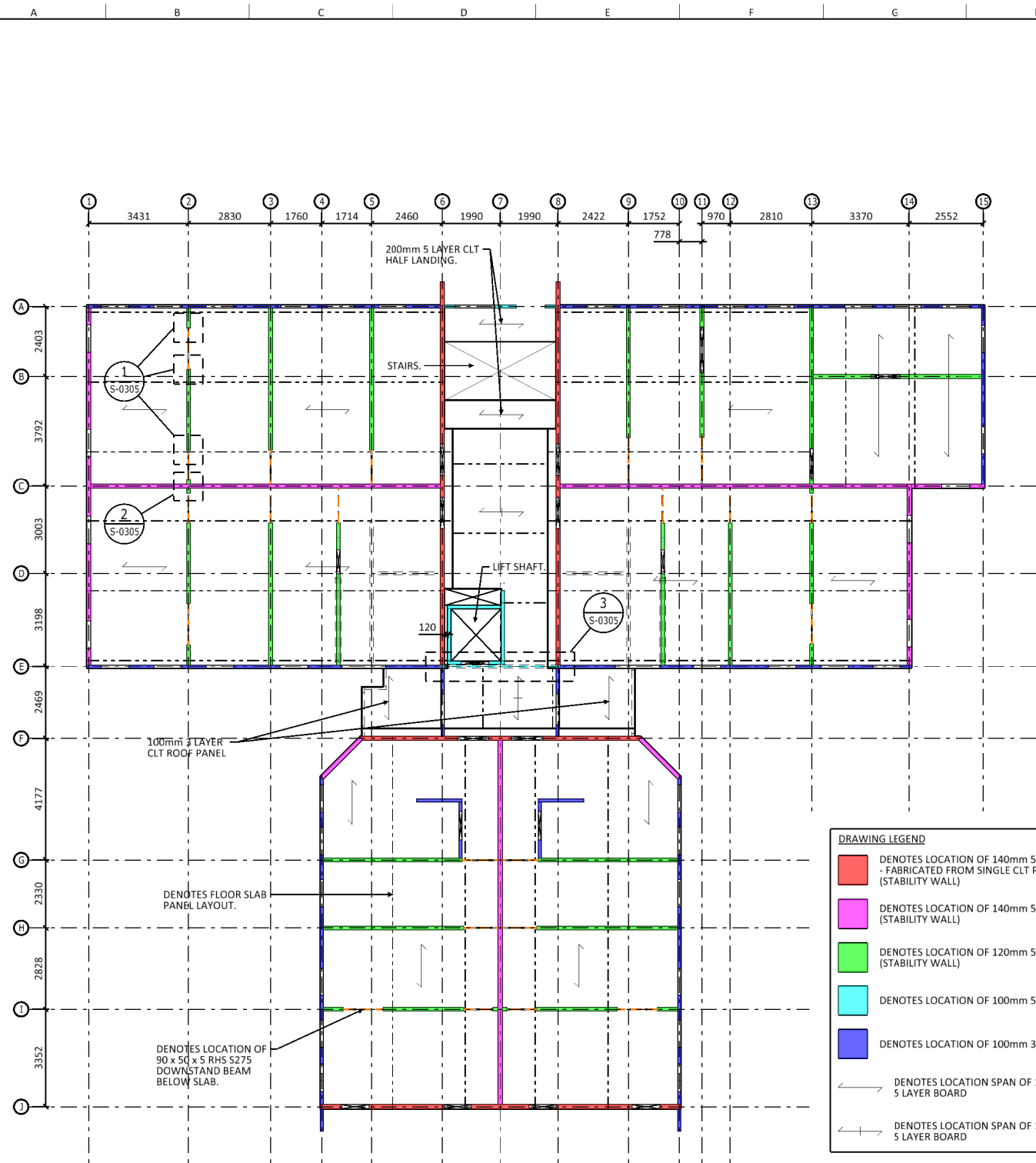
50 St Andrews Street, Cambridge, CB2 3AH; T: 01223 750249; E: contact@smithandwallwork.com

Job Title
 Yoker Site, Glasgow

Job No
 000192

Drawing No
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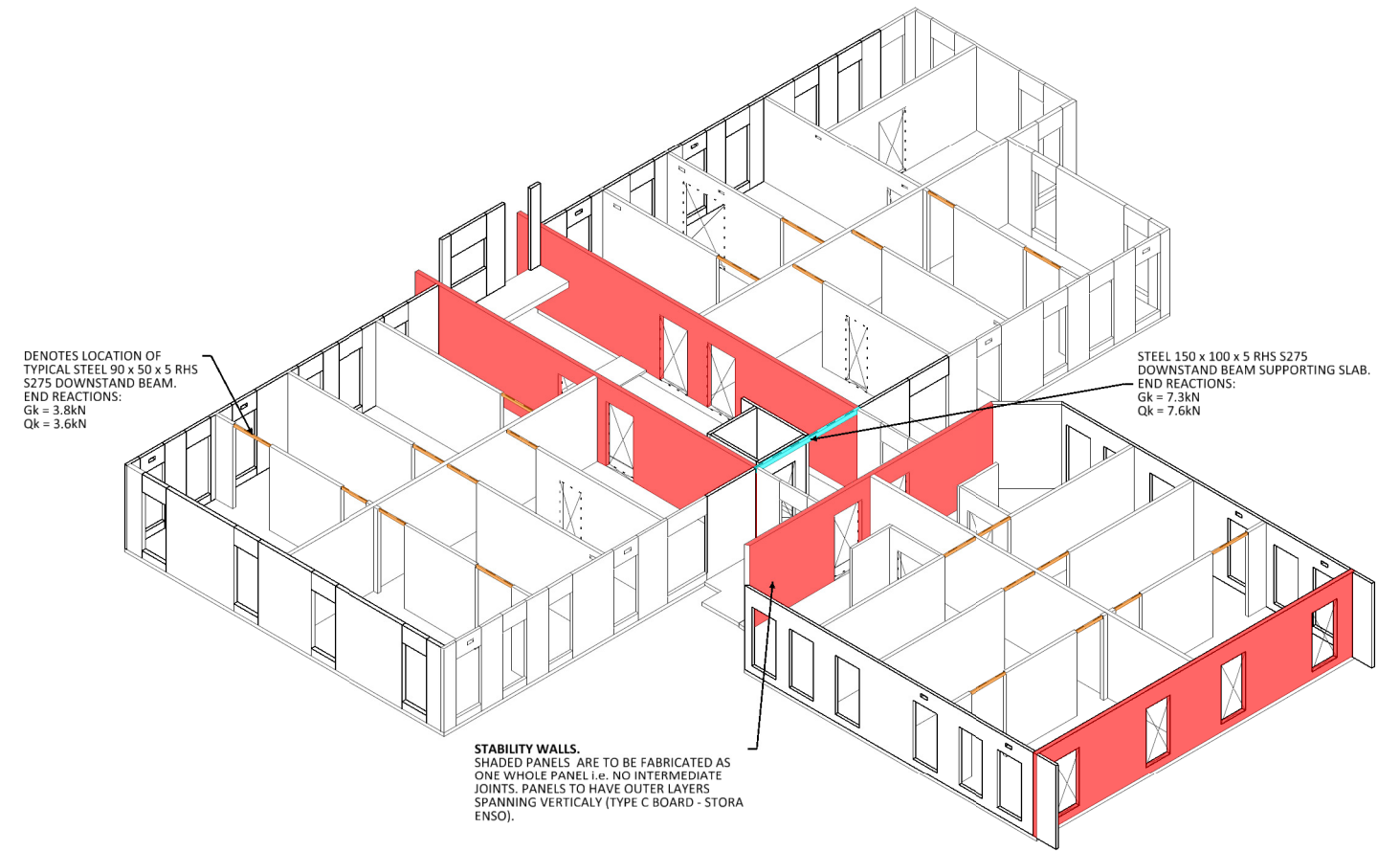
Size
 A1



GENERAL ARRANGEMENT PLAN - FIRST FLOOR

DRAWING LEGEND

- DENOTES LOCATION OF 140mm 5 LAYER BOARD - FABRICATED FROM SINGLE CLT PANEL (STABILITY WALL)
- DENOTES LOCATION OF 140mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 120mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 5 LAYER BOARD
- DENOTES LOCATION OF 100mm 3 LAYER BOARD
- DENOTES LOCATION SPAN OF 120mm 5 LAYER BOARD
- DENOTES LOCATION SPAN OF 140mm 5 LAYER BOARD



FIRST FLOOR FLOOR ISOMETRIC

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CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd
Drawing Title GENERAL ARRANGEMENT FIRST FLOOR					
Drawing Status CONSTRUCTION					
Scale 1:100 @ A1 / 1:200 @ A3					
Issue C01					

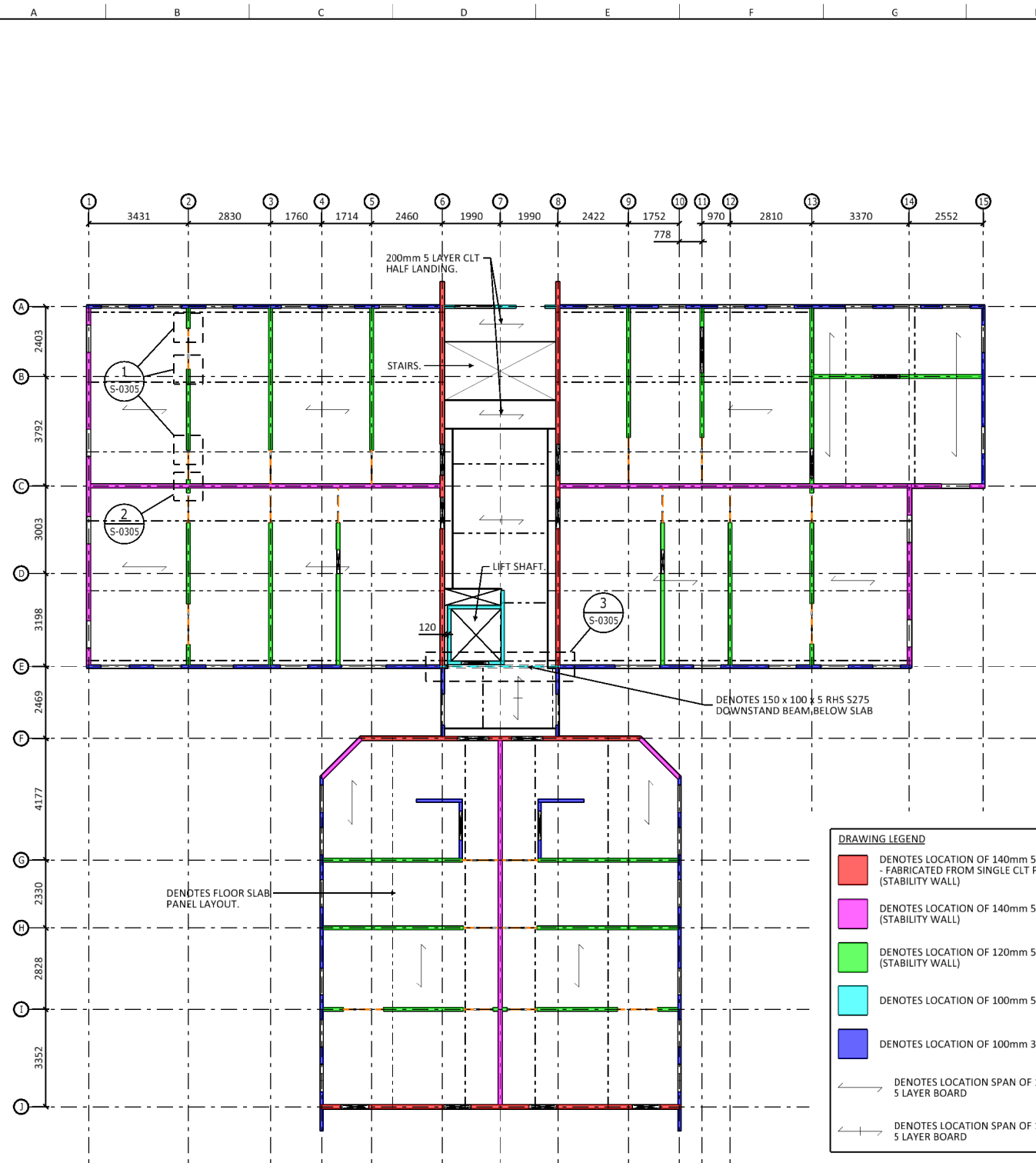
smithandwallworkengineers
 50 St Andrews Street, Cambridge, CB2 3AH; T: 01223 750249; E: contact@smithandwallwork.com

Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-110

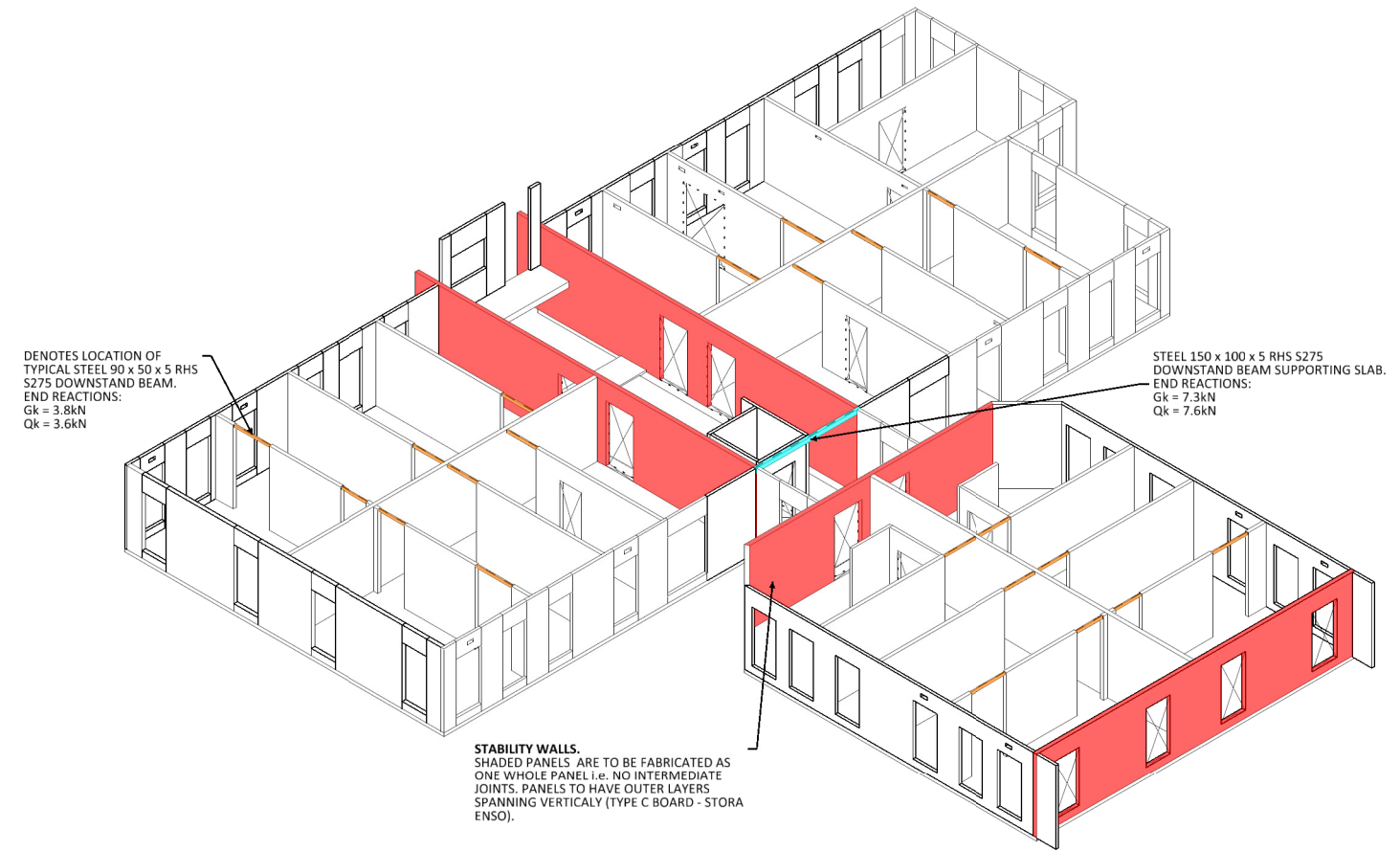
Size
A1



GENERAL ARRANGEMENT PLAN - SECOND FLOOR

DRAWING LEGEND

- DENOTES LOCATION OF 140mm 5 LAYER BOARD - FABRICATED FROM SINGLE CLT PANEL (STABILITY WALL)
- DENOTES LOCATION OF 140mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 120mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 5 LAYER BOARD
- DENOTES LOCATION OF 100mm 3 LAYER BOARD
- DENOTES LOCATION SPAN OF 120mm 5 LAYER BOARD
- DENOTES LOCATION SPAN OF 140mm 5 LAYER BOARD



SECOND FLOOR ISOMETRIC

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NOTE: REFER TO CLT SUB-CONTRACTOR (EURBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS	Drawing Title	GENERAL ARRANGEMENT SECOND FLOOR
Issue	Date	Description	By	Chk'd	App'd	Drawing Status	CONSTRUCTION
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						Issue	C01

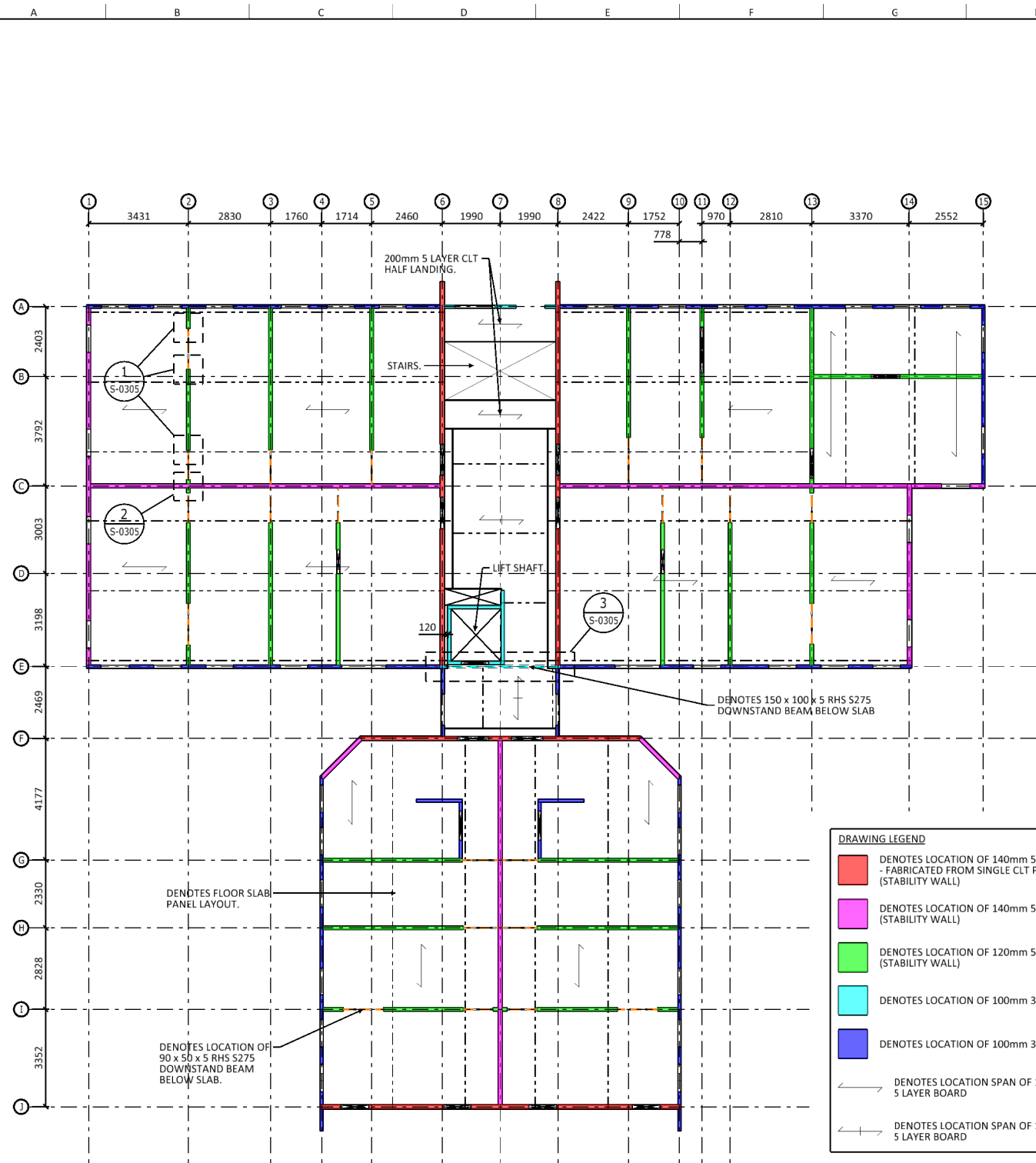
smithandwallworkengineers
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Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-120

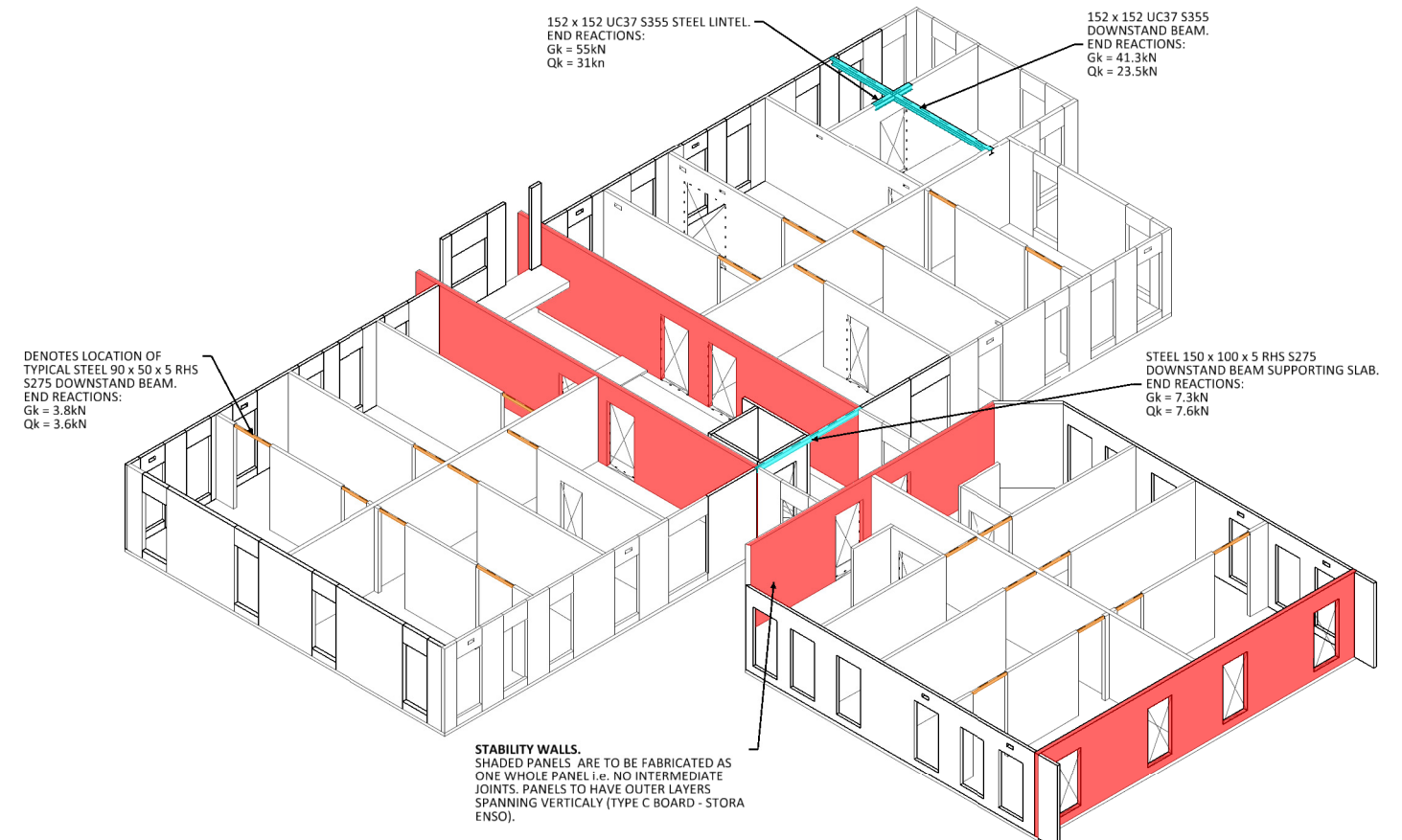
Size
A1



DRAWING LEGEND

- DENOTES LOCATION OF 140mm 5 LAYER BOARD - FABRICATED FROM SINGLE CLT PANEL (STABILITY WALL)
- DENOTES LOCATION OF 140mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 120mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 3 LAYER BOARD
- DENOTES LOCATION OF 100mm 3 LAYER BOARD
- DENOTES LOCATION SPAN OF 120mm 5 LAYER BOARD
- DENOTES LOCATION SPAN OF 140mm 5 LAYER BOARD

GENERAL ARRANGEMENT PLAN - THIRD FLOOR



THIRD FLOOR ISOMETRIC

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CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd
Drawing Title GENERAL ARRANGEMENT THIRD FLOOR					
Drawing Status CONSTRUCTION					
Scale 1:100 @ A1 / 1:200 @ A3			Issue C01		

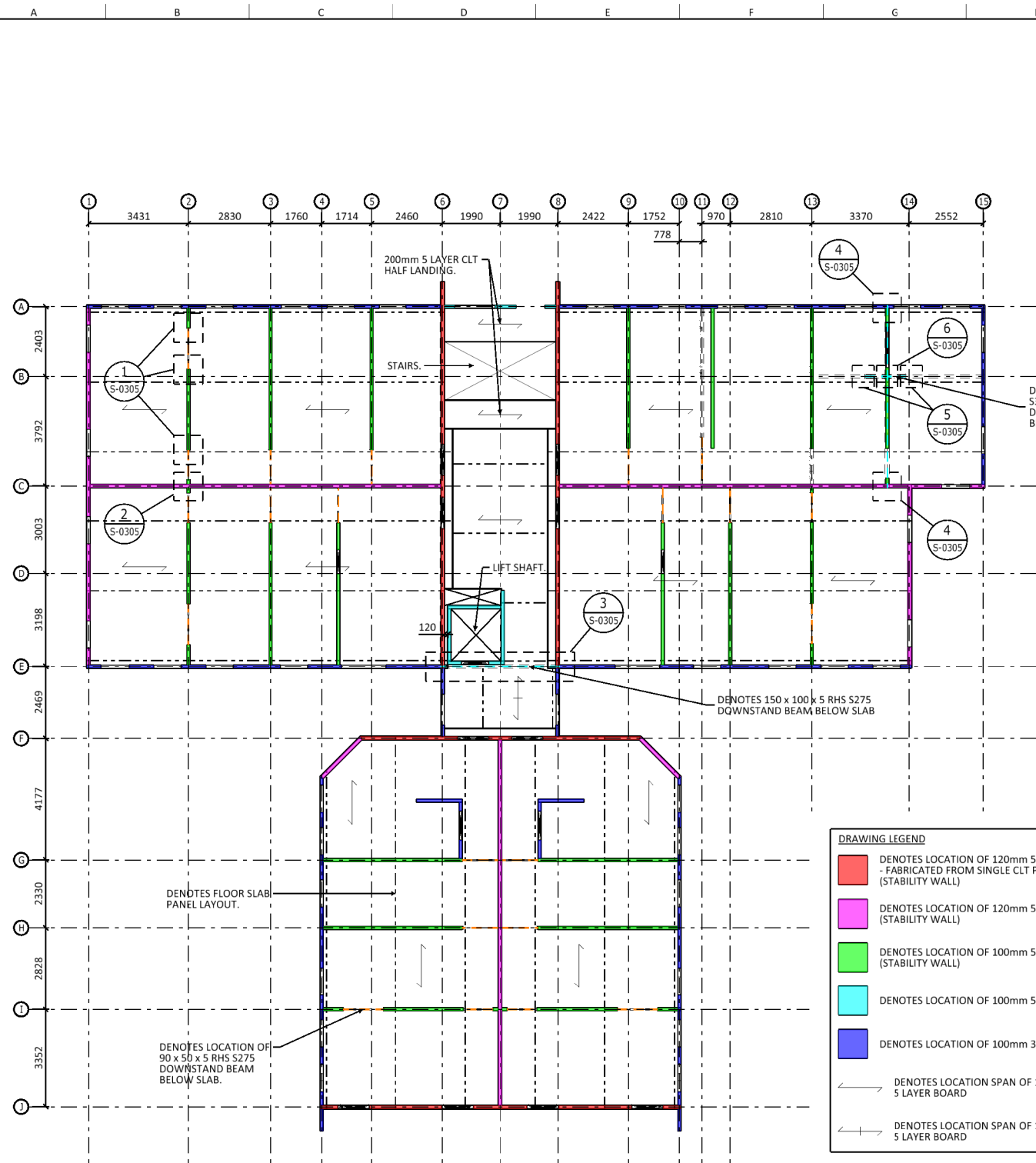
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Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-130

Size
A1



GENERAL ARRANGEMENT PLAN - FOURTH FLOOR

DRAWING LEGEND

- DENOTES LOCATION OF 120mm 5 LAYER BOARD - FABRICATED FROM SINGLE CLT PANEL (STABILITY WALL)
- DENOTES LOCATION OF 120mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 5 LAYER BOARD
- DENOTES LOCATION OF 100mm 3 LAYER BOARD
- DENOTES LOCATION SPAN OF 120mm 5 LAYER BOARD
- DENOTES LOCATION SPAN OF 140mm 5 LAYER BOARD



FOURTH FLOOR ISOMETRIC

NOTE

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NOTE: REFER TO CLT SUB-CONTRACTOR (EURBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

C01	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS	Drawing Title GENERAL ARRANGEMENT FOURTH FLOOR	Drawing Status CONSTRUCTION	Issue
Issue	Date	Description	By	Chk'd	App'd	Scale 1:100 @ A1 / 1:200 @ A3		C01

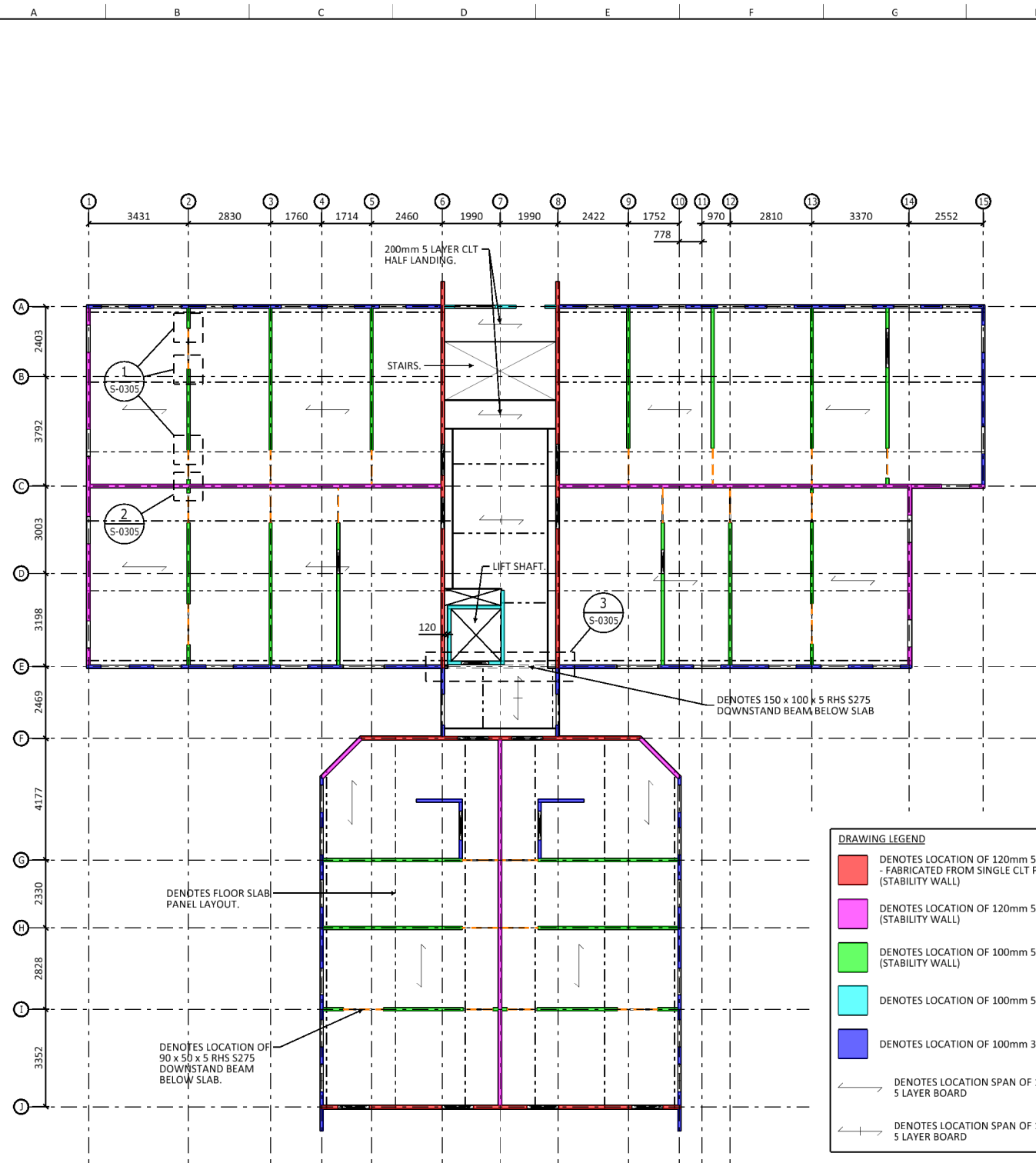
smithandwallworkengineers
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Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-140

Size
A1



GENERAL ARRANGEMENT PLAN - FIFTH FLOOR



FIFTH FLOOR ISOMETRIC

DRAWING LEGEND

- DENOTES LOCATION OF 120mm 5 LAYER BOARD - FABRICATED FROM SINGLE CLT PANEL (STABILITY WALL)
- DENOTES LOCATION OF 120mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 5 LAYER BOARD (STABILITY WALL)
- DENOTES LOCATION OF 100mm 5 LAYER BOARD
- DENOTES LOCATION OF 100mm 3 LAYER BOARD
- DENOTES LOCATION SPAN OF 120mm 5 LAYER BOARD
- DENOTES LOCATION SPAN OF 140mm 5 LAYER BOARD

NOTE

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5. CALCULATIONS AND DRAWINGS TO BE PROVIDED TO SER CERTIFIER A MINIMUM OF 14 DAYS PRIOR TO FABRICATION

NOTE: REFER TO CLT SUB-CONTRACTOR (EURBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd
Drawing Title GENERAL ARRANGEMENT FIFTH FLOOR					
Drawing Status CONSTRUCTION					
Scale 1:100 @ A1 / 1:200 @ A3			Issue C01		

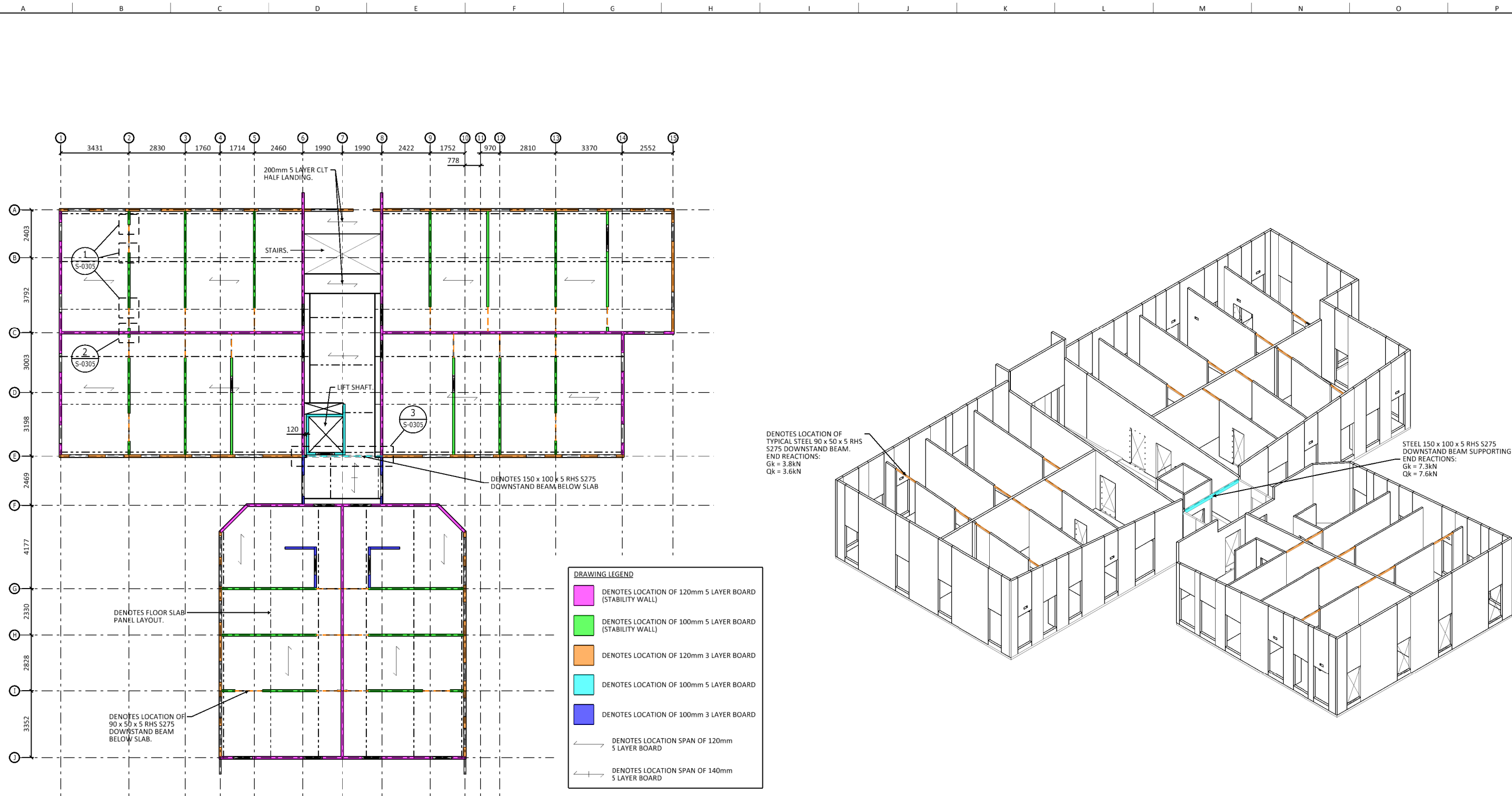
smithandwallworkengineers
 50 St Andrews Street, Cambridge, CB2 3AH; T: 01223 750249; E: contact@smithandwallwork.com

Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-150

Size
A1



GENERAL ARRANGEMENT PLAN - SIXTH FLOOR

SIXTH FLOOR ISOMETRIC

NOTE

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NOTE: REFER TO CLT SUB-CONTRACTOR (EURBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd
Drawing Title GENERAL ARRANGEMENT SIXTH FLOOR					
Drawing Status CONSTRUCTION					
Scale 1:100 @ A1 / 1:200 @ A3			Issue C01		

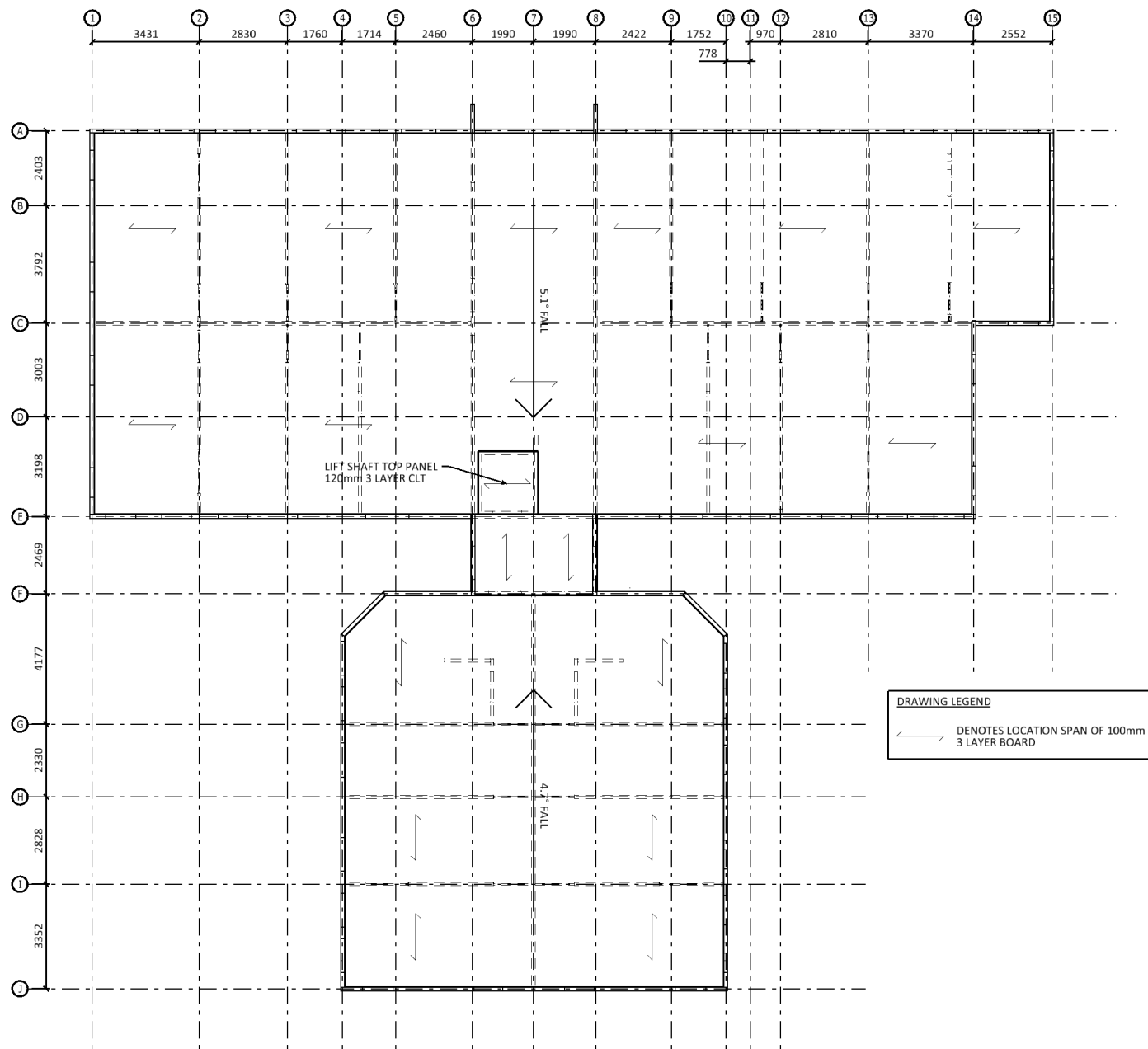
smithandwallworkengineers
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Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-160

Size
A1



GENERAL ARRANGEMENT PLAN - ROOF LEVEL

- NOTE**
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CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd

Drawing Title
GENERAL ARRANGEMENT
ROOF LEVEL

Drawing Status
CONSTRUCTION

Scale
1:100 @ A1 / 1:200 @ A3

Issue
C01

smithandwallworkengineers

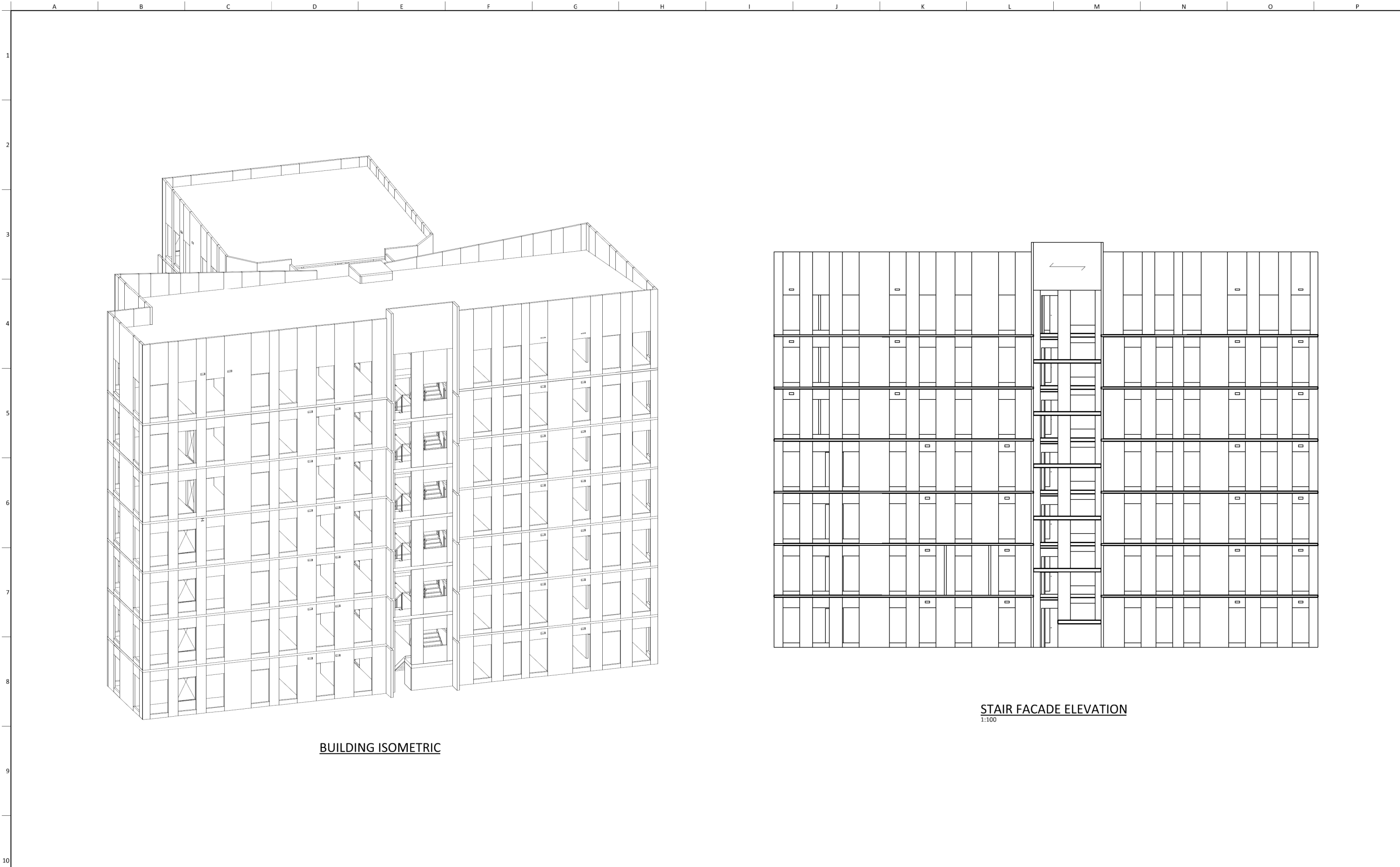
50 St Andrews Street, Cambridge, CB2 3AH; T: 01223 750249; E: contact@smithandwallwork.com

Job Title
Yoker Site, Glasgow

Job No
000192

Drawing No
YOK-SW-DR-S-170

Size
A1



BUILDING ISOMETRIC

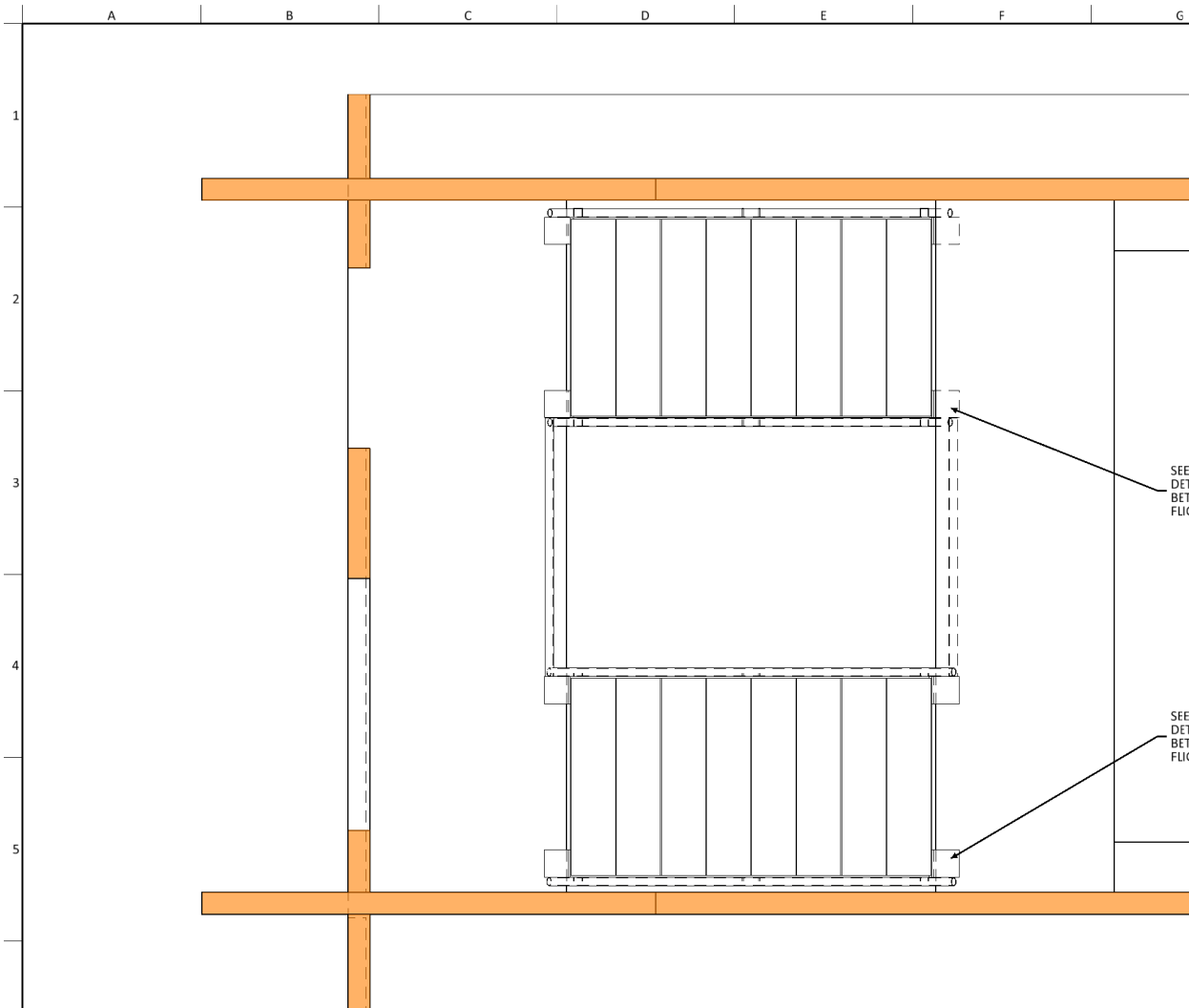
STAIR FACADE ELEVATION

1:100

- NOTE**
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 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
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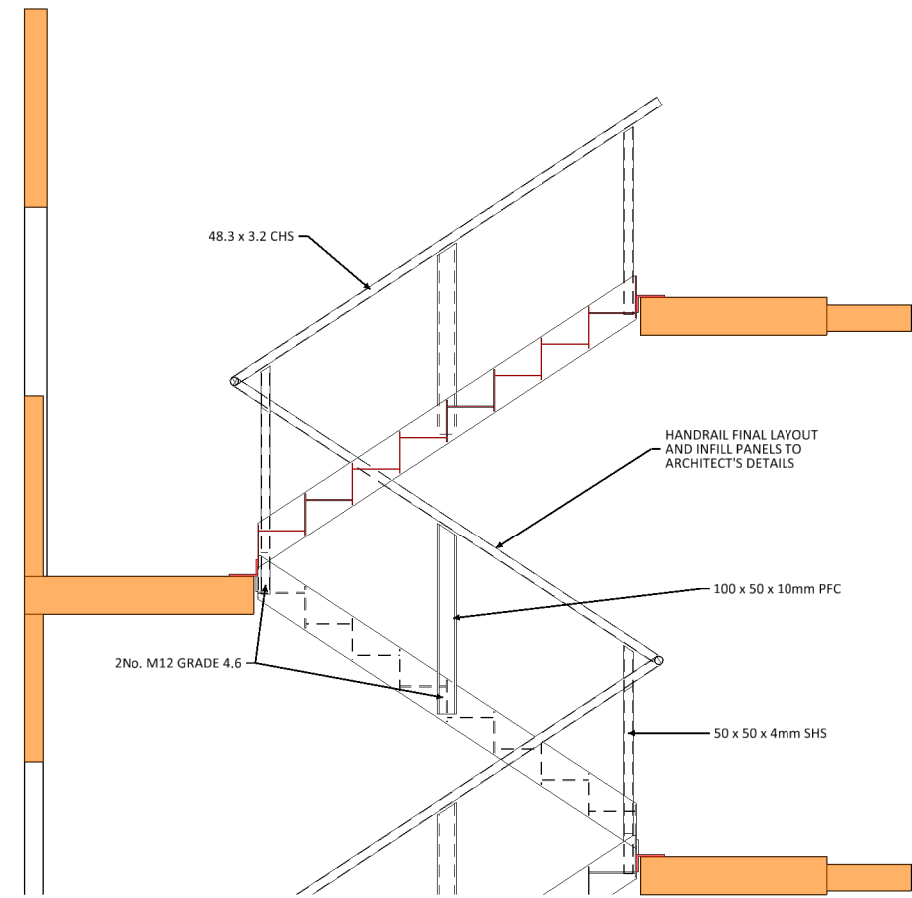
NOTE: REFER TO CLT SUB-CONTRACTOR (EJURBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS	Drawing Title GENERAL ARRANGEMENT STAIR FACADE	smithandwallworkengineers <small>50 St Andrews Street, Cambridge, CB2 3AH; T: 01223 750249; E: contact@smithandwallwork.com</small> Job Title Yoker Site, Glasgow Job No 000192	Drawing No YOK-SW-DR-S-201 Size A1
Issue	Date	Description	By	Chk'd	App'd	Drawing Status CONSTRUCTION		
						Scale 1:100 @ A1 / 1:200 @ A3		



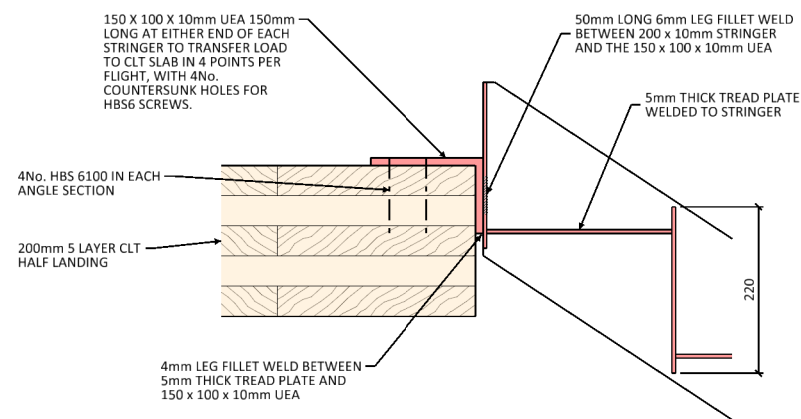
TYPICAL STAIR PLAN

1:20



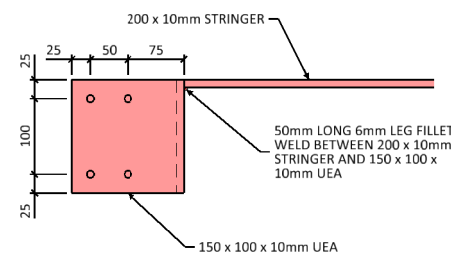
TYPICAL STAIR SECTION

1:20



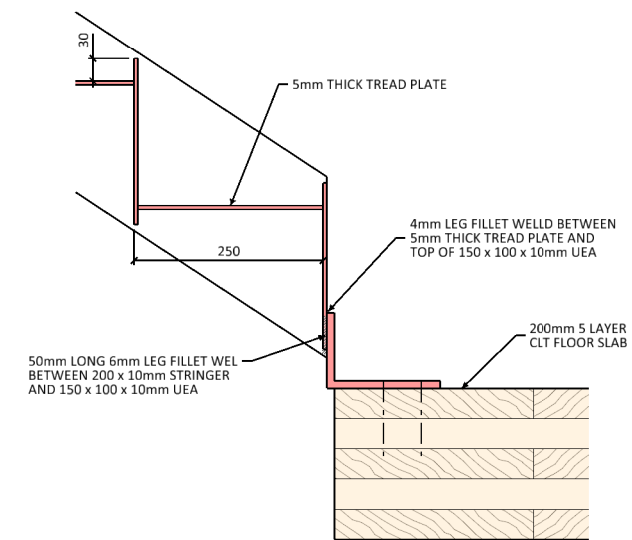
TOP OF STAIR FLIGHT CONNECTION

1:5



UEA TO STRINGER CONNECTION DETAIL

1:5



BASE OF STAIR FLIGHT CONNECTION

1:5

NOTE

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T01	29.01.16	ISSUED FOR TENDER
Issue	Date	Description

BP	FP	SS
By	Chk'd	App'd

Drawing Title
GENERAL ARRANGEMENT
STAIR DETAILS

Drawing Status
TENDER

Scale
1:20 @ A1 / 1:40 @ A1

Issue
T01

smithandwallworkengineers

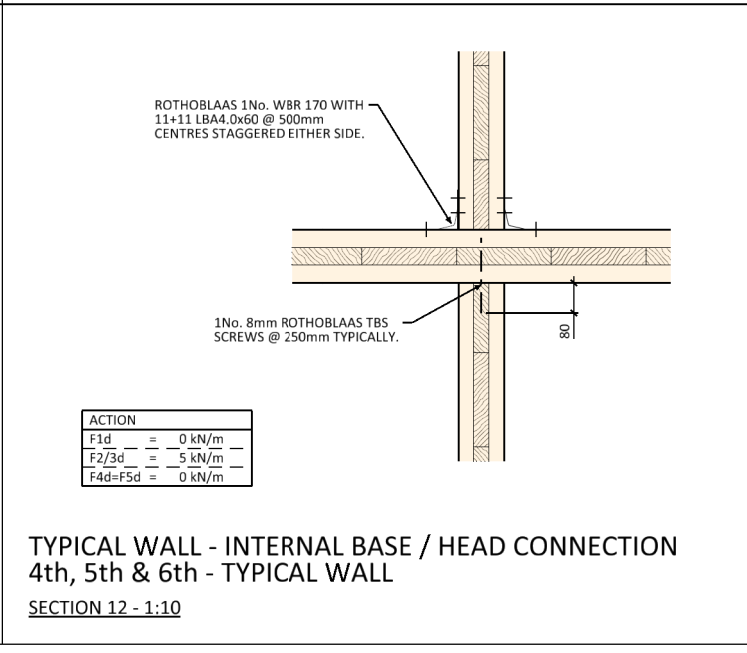
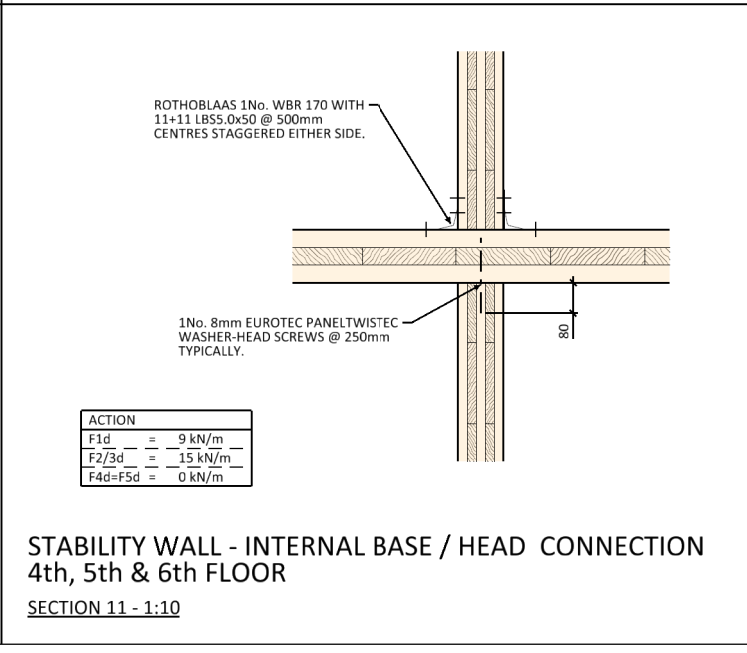
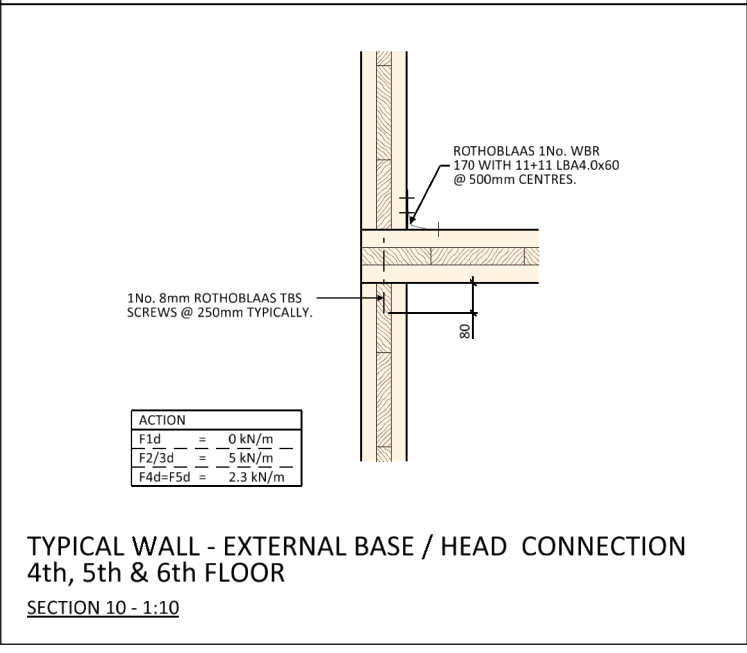
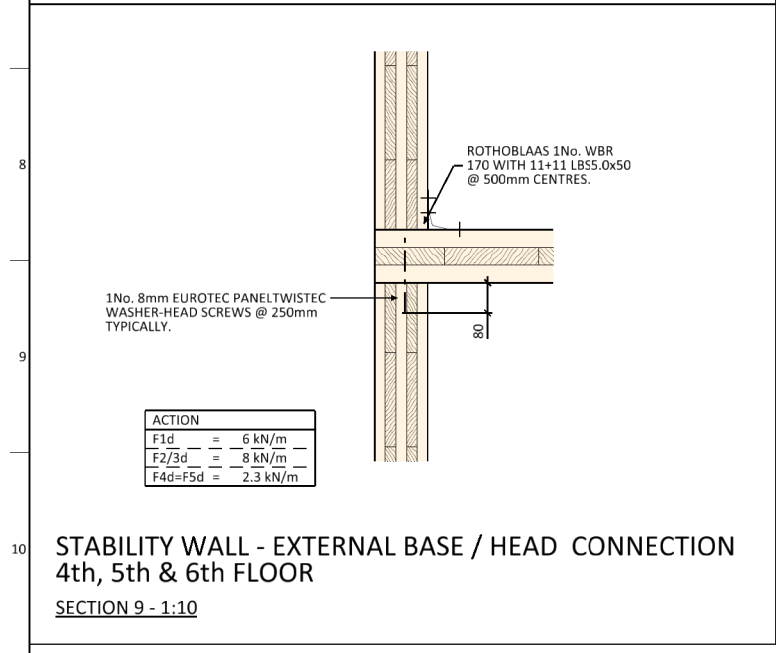
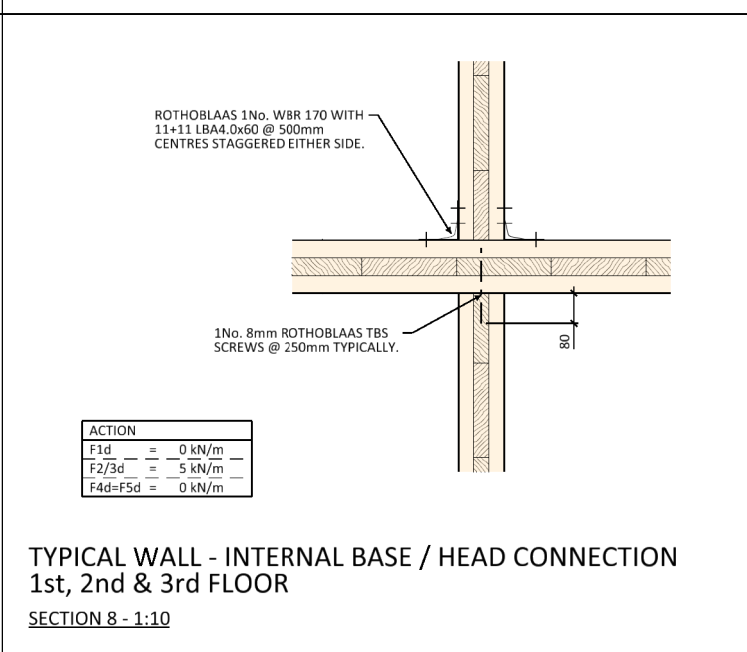
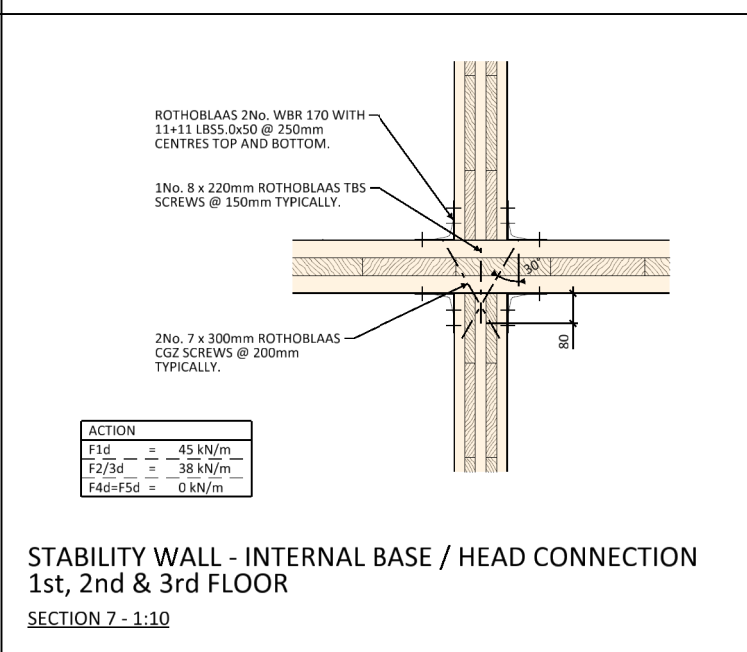
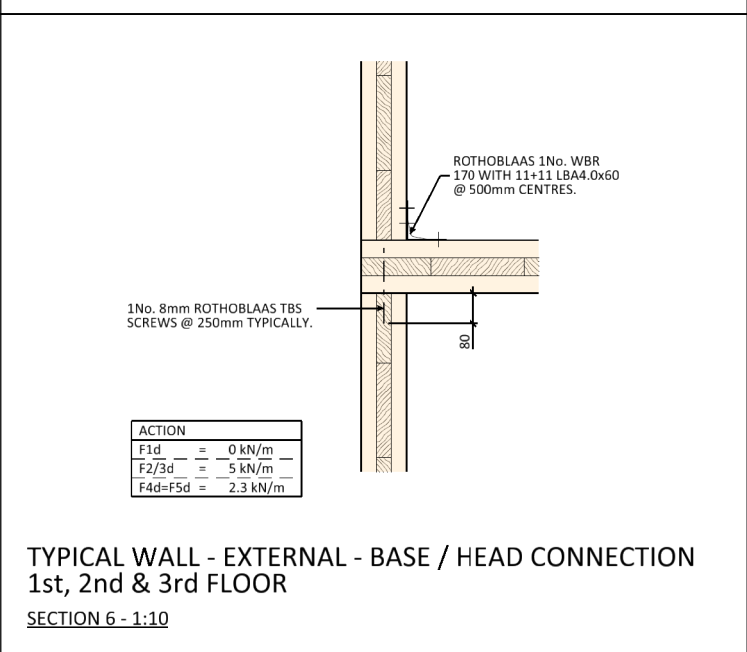
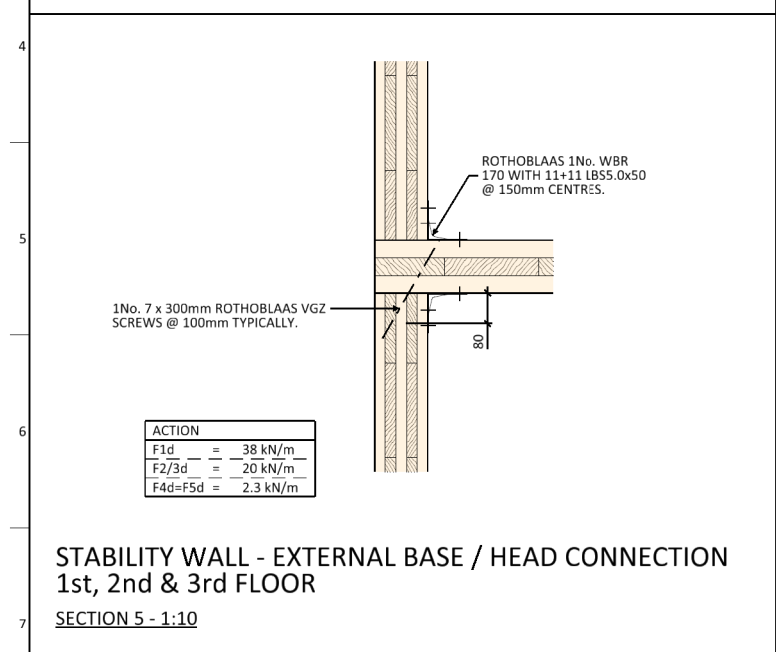
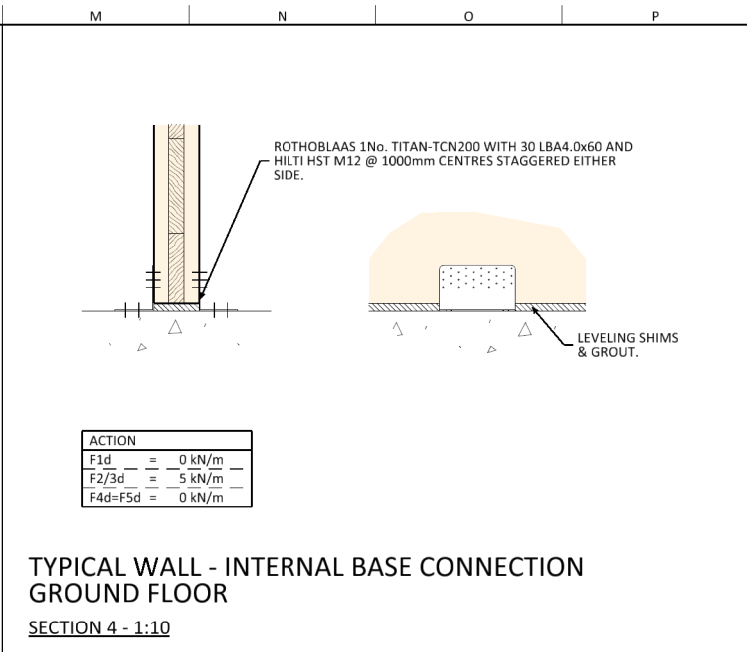
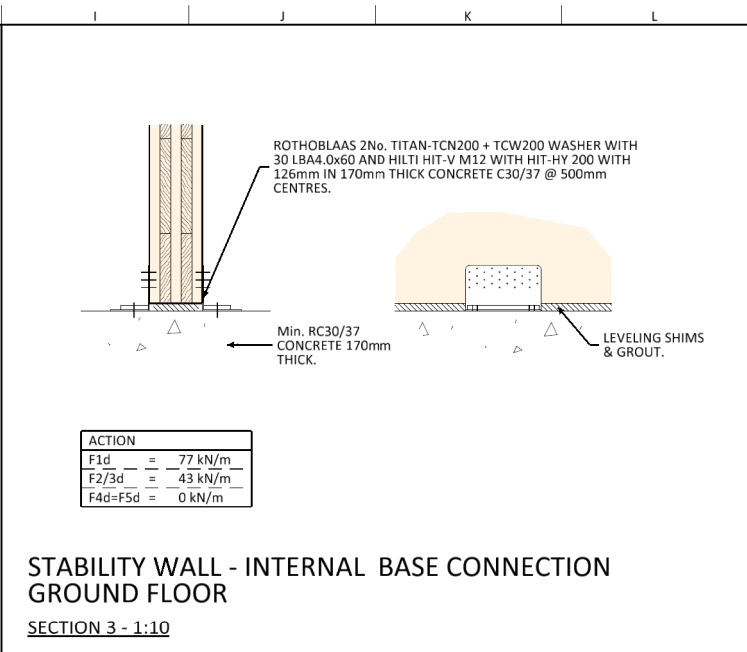
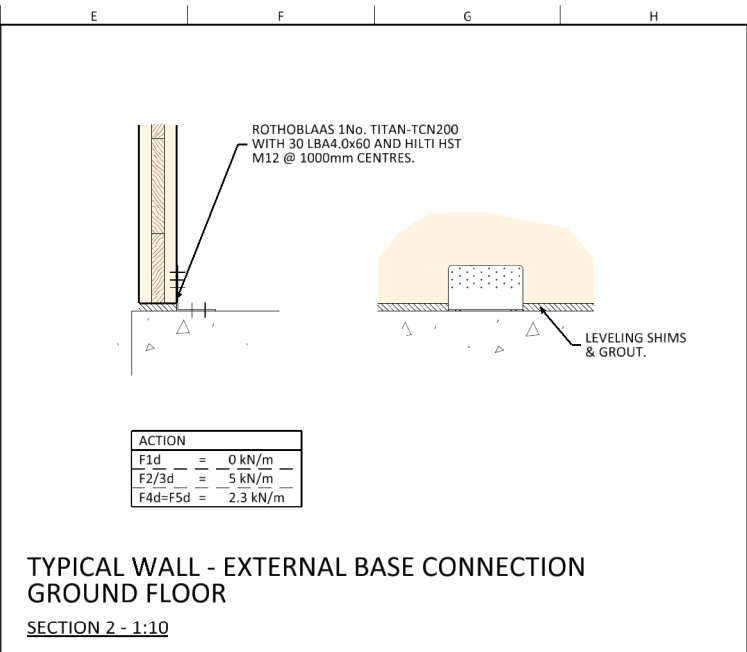
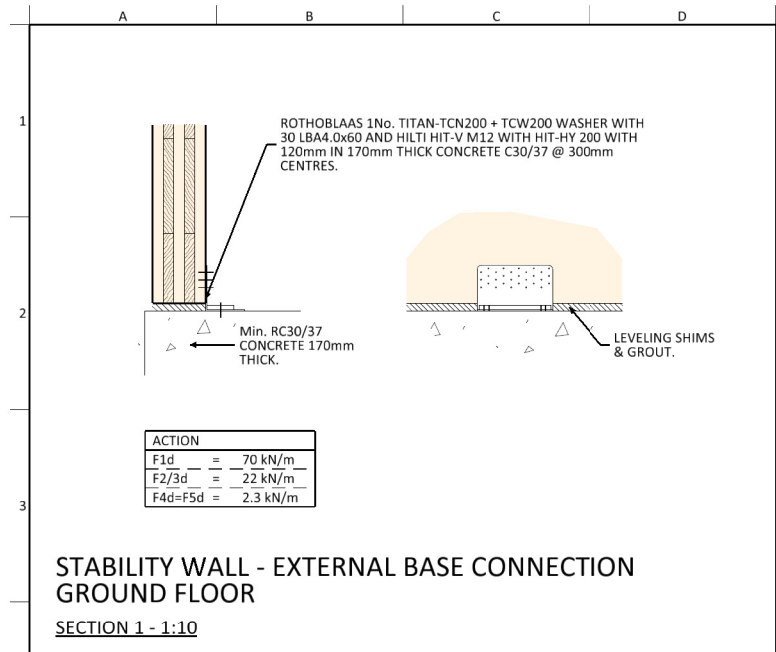
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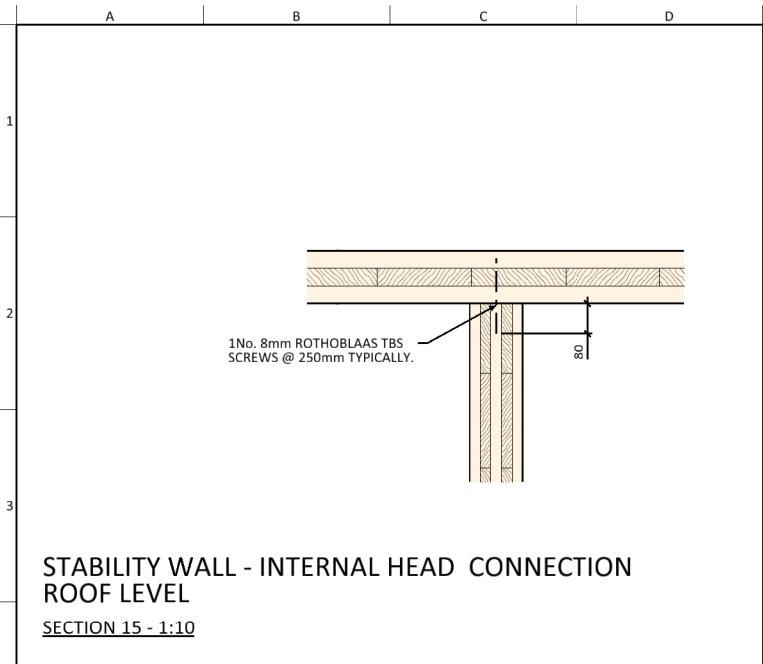
Job Title
Yoker Site, Glasgow

Job No
000192

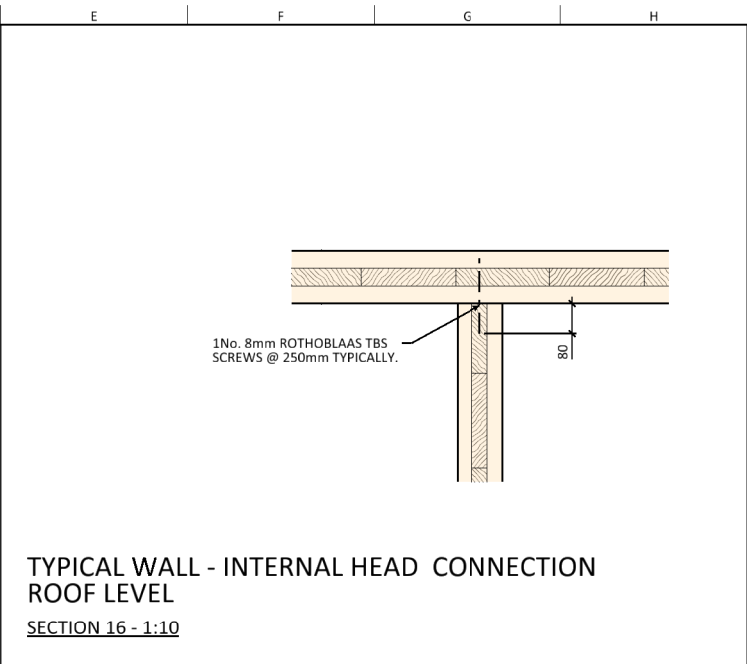
Drawing No
YOK-SW-DR-S-220

Size
A1

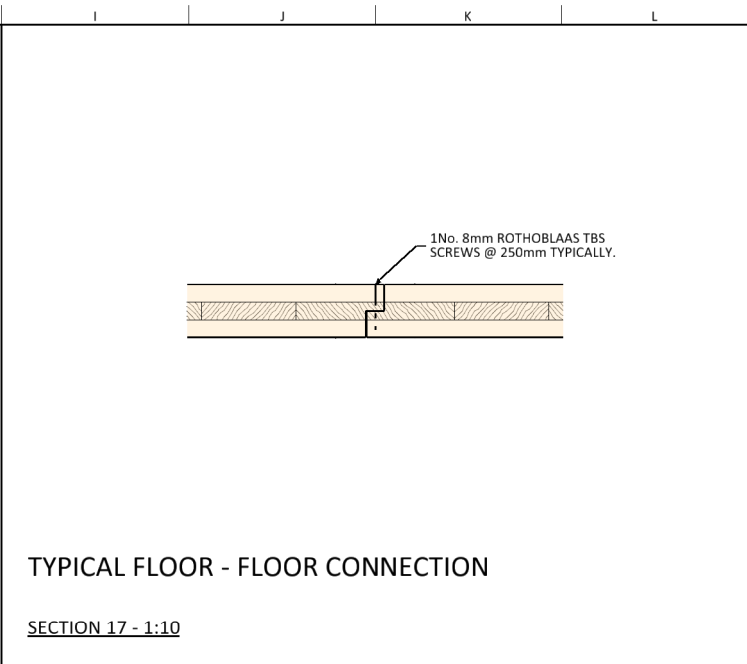




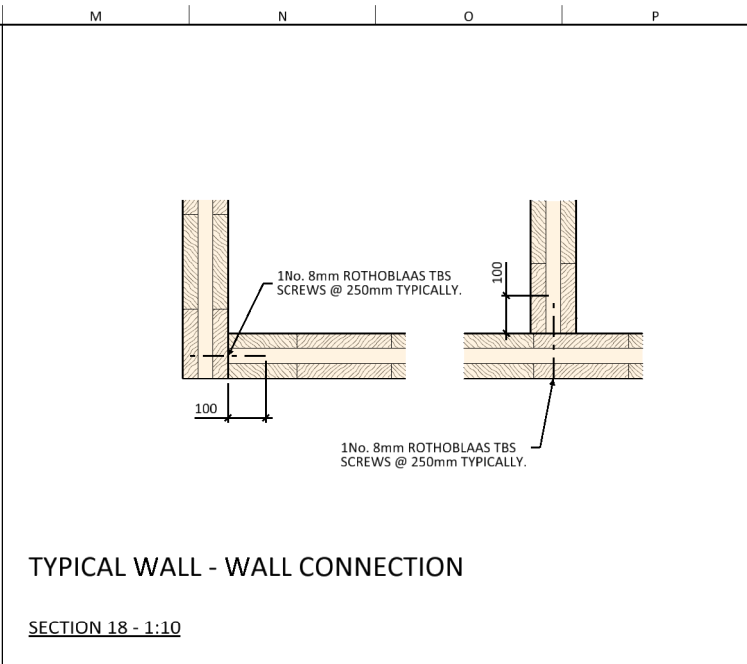
STABILITY WALL - INTERNAL HEAD CONNECTION
ROOF LEVEL
SECTION 15 - 1:10



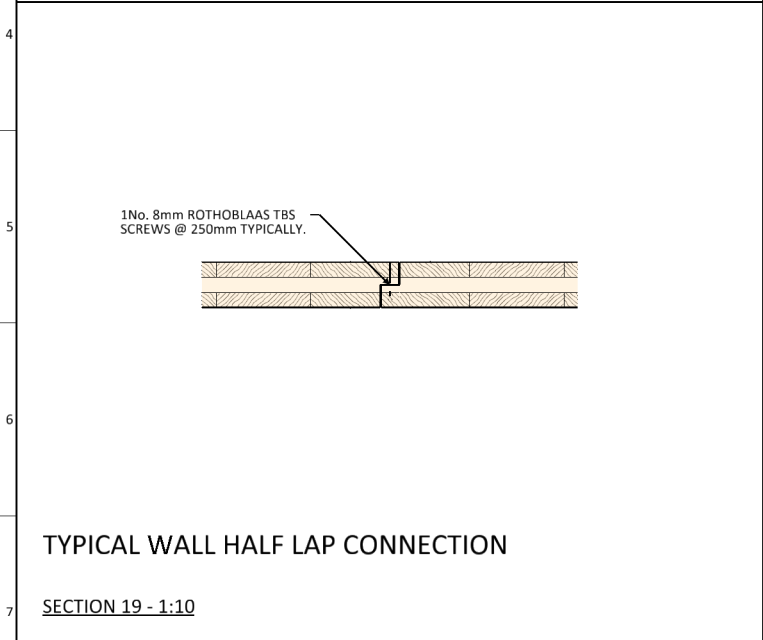
TYPICAL WALL - INTERNAL HEAD CONNECTION
ROOF LEVEL
SECTION 16 - 1:10



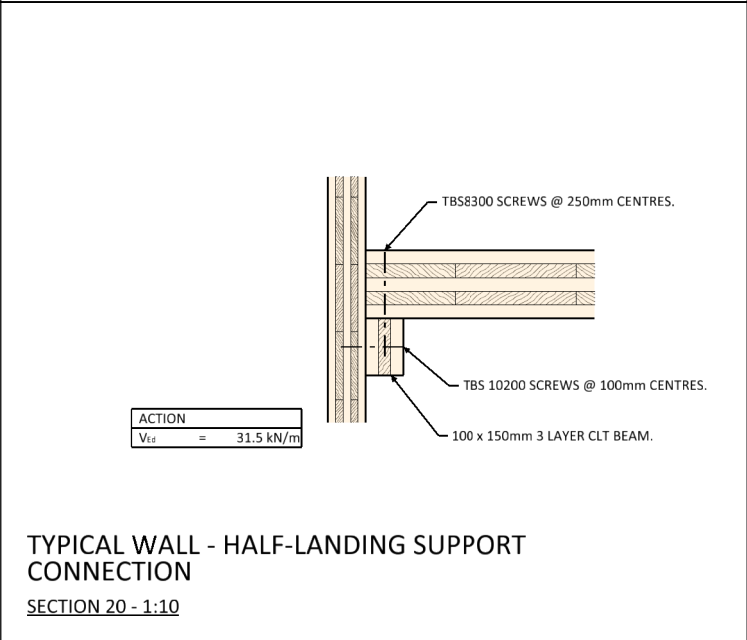
TYPICAL FLOOR - FLOOR CONNECTION
SECTION 17 - 1:10



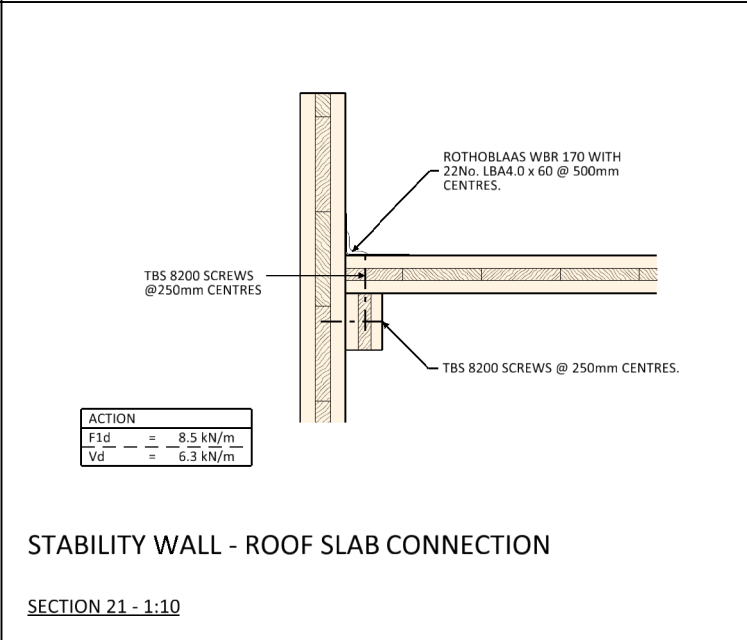
TYPICAL WALL - WALL CONNECTION
SECTION 18 - 1:10



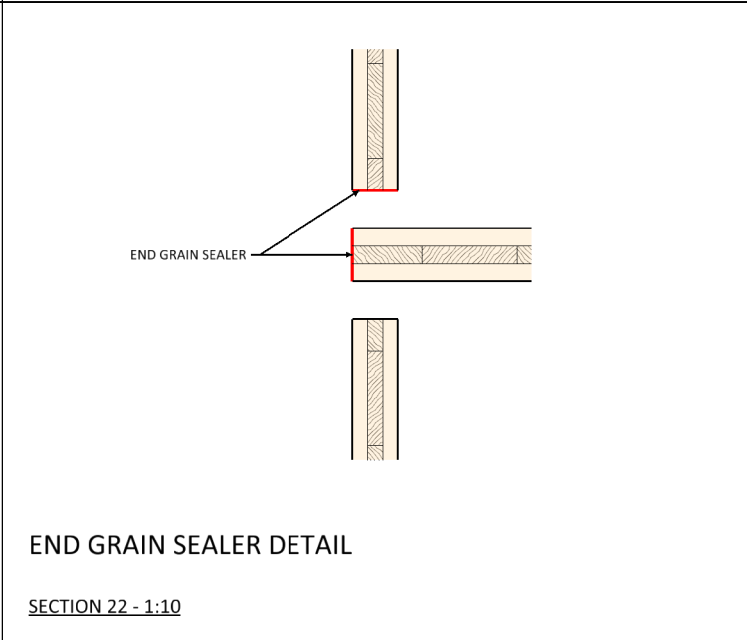
TYPICAL WALL HALF LAP CONNECTION
SECTION 19 - 1:10



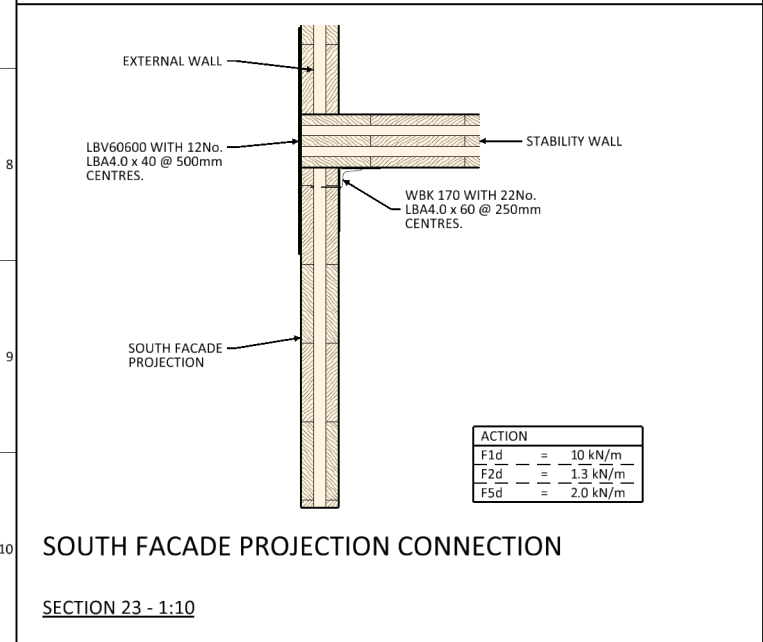
TYPICAL WALL - HALF-LANDING SUPPORT
CONNECTION
SECTION 20 - 1:10



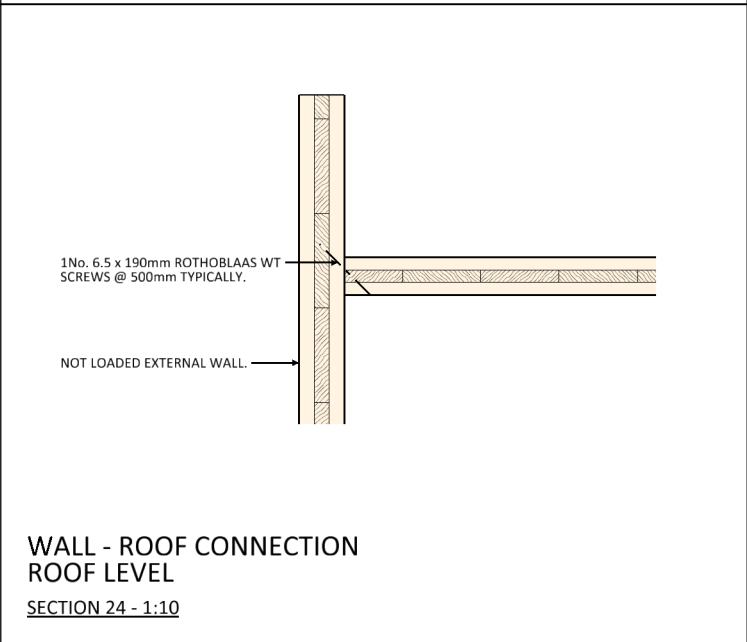
STABILITY WALL - ROOF SLAB CONNECTION
SECTION 21 - 1:10



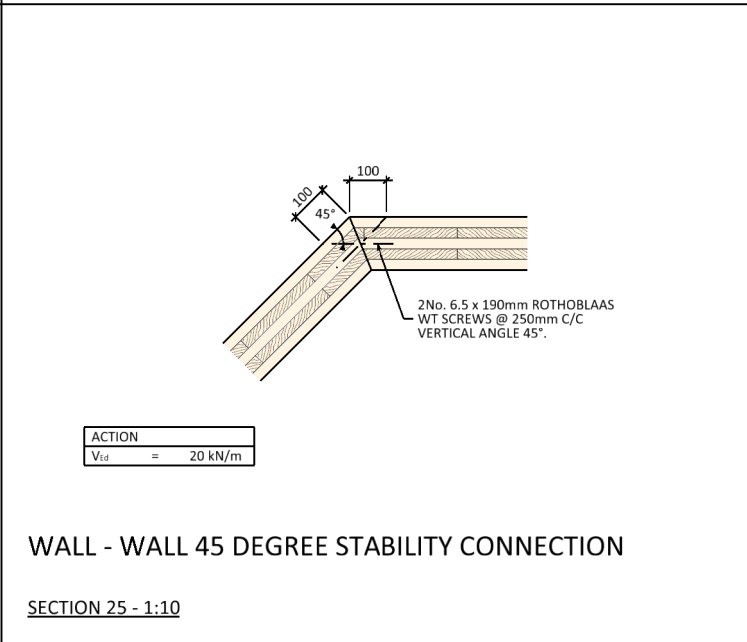
END GRAIN SEALER DETAIL
SECTION 22 - 1:10



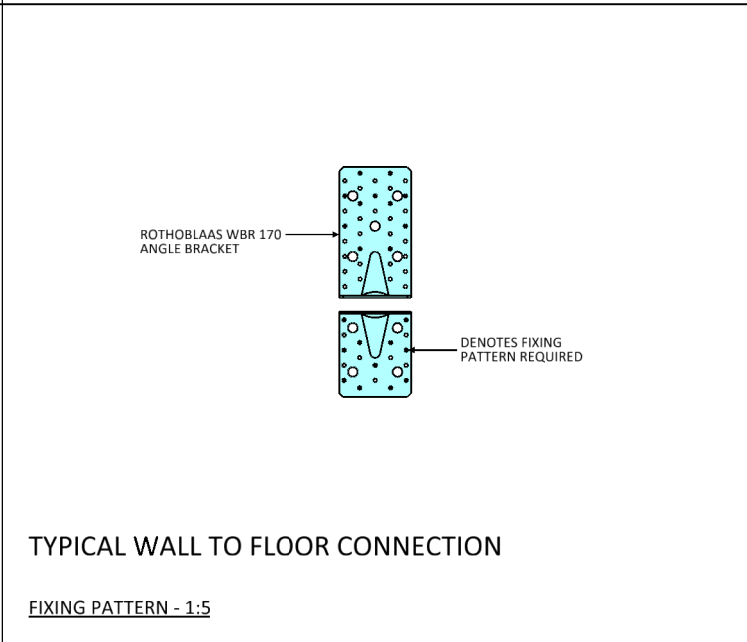
SOUTH FACADE PROJECTION CONNECTION
SECTION 23 - 1:10



WALL - ROOF CONNECTION
ROOF LEVEL
SECTION 24 - 1:10



WALL - WALL 45 DEGREE STABILITY CONNECTION
SECTION 25 - 1:10



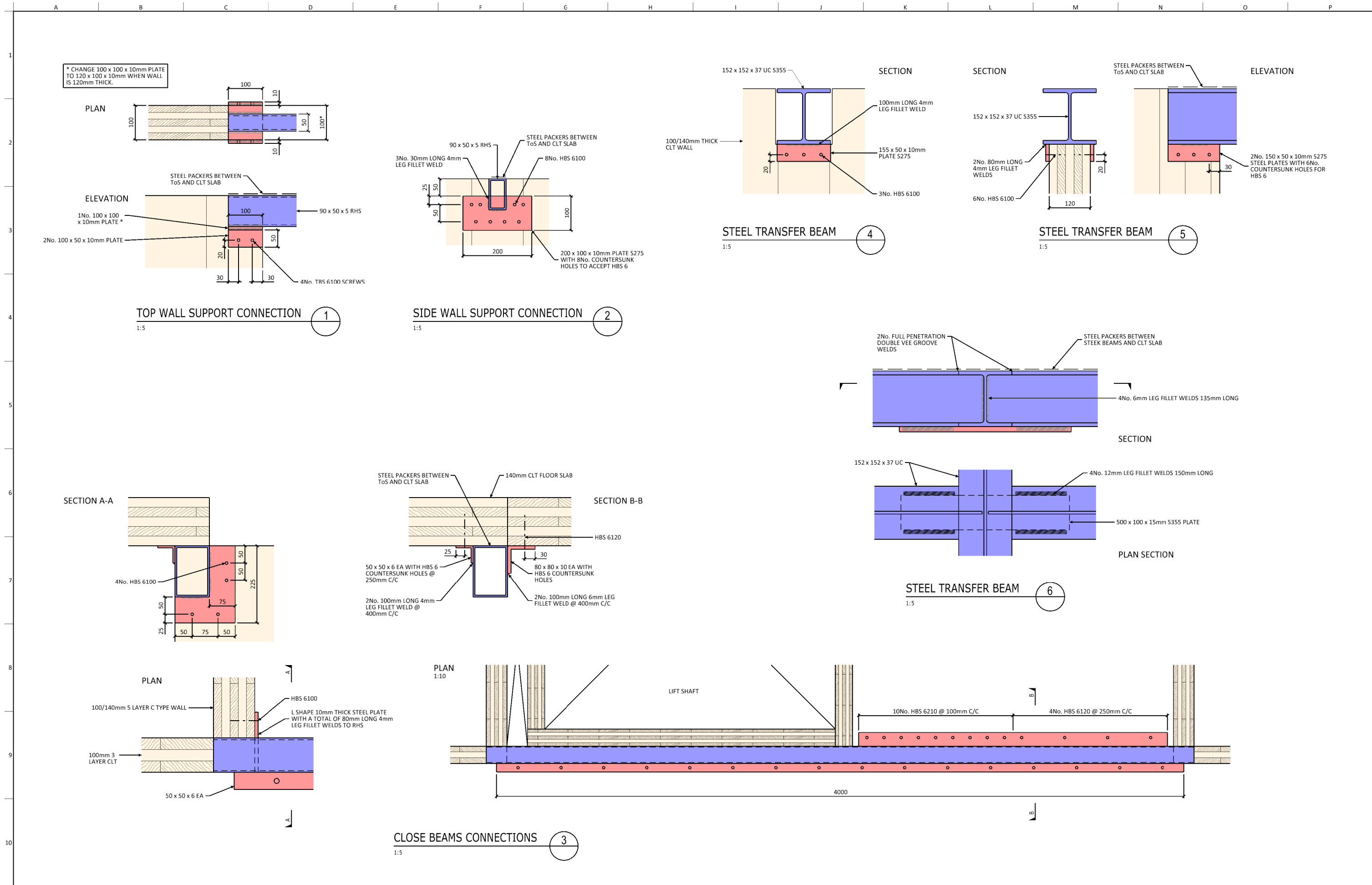
TYPICAL WALL TO FLOOR CONNECTION
FIXING PATTERN - 1:5

NOTE
1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
3. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS

NOTE: REFER TO CLT SUB-CONTRACTOR (EUBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

Drawing Title TYPICAL DETAILS SHEET 2			Drawing Status CONSTRUCTION			Scale 1:10 @ A1 / 1:20 @ A3			Issue C02		
C01	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS						
C01	19.05.17	ISSUED FOR CONSTRUCTION	BP	FP	SS						
Issue	Date	Description	By	Chk'd	App'd						

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Job Title
Yoker Site, Glasgow
Job No
000192
Drawing No
YOK-SW-DR-S-301
Size
A1



* CHANGE 100 x 100 x 10mm PLATE TO 120 x 100 x 10mm WHEN WALL IS 120mm THICK.

TOP WALL SUPPORT CONNECTION ①
1:5

SIDE WALL SUPPORT CONNECTION ②
1:5

STEEL TRANSFER BEAM ④
1:5

STEEL TRANSFER BEAM ⑤
1:5

STEEL TRANSFER BEAM ⑥
1:5

CLOSE BEAMS CONNECTIONS ③
1:5

- NOTE**
- DO NOT SCALE FROM THIS DRAWING
 - ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS

NOTE: REFER TO CLT SUB-CONTRACTOR (EUBAN) DRAWINGS FOR DETAILED STRUCTURAL INFORMATION (CLT, GLULAM, STEEL AND CONNECTIONS).

CD1	13.10.17	ISSUED FOR FINAL CONSTRUCTION	BP	FP	SS
Issue	Date	Description	By	Chk'd	App'd
Drawing Title STEEL BEAM CONNECTION DETAILS SHEET 1			Drawing Status CONSTRUCTION		
Scale 1:5 @ A1 / 1:10 @ A1			Issue C01		

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 Job Title
 Yoker Site, Glasgow
 Job No 000192 | Drawing No YOK-SW-DR-S-305 | Size A1