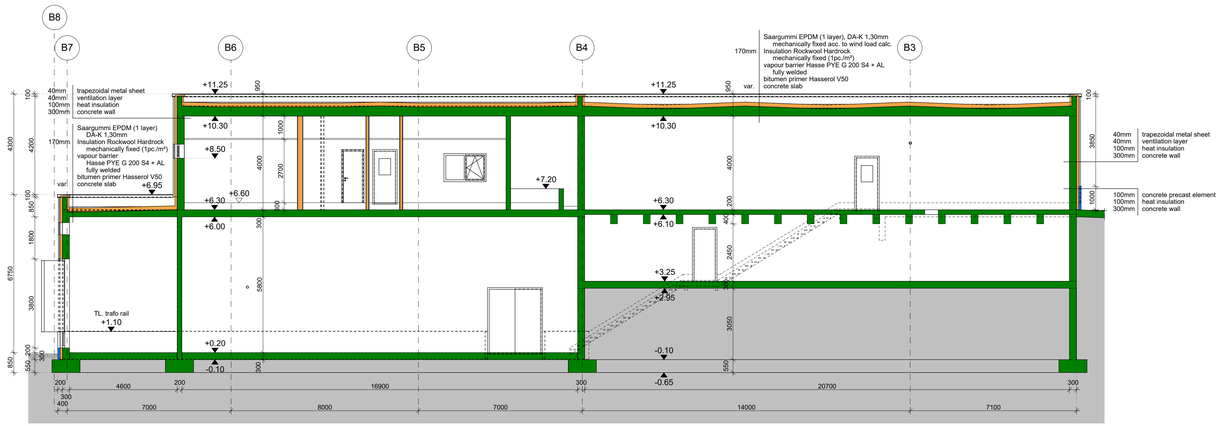
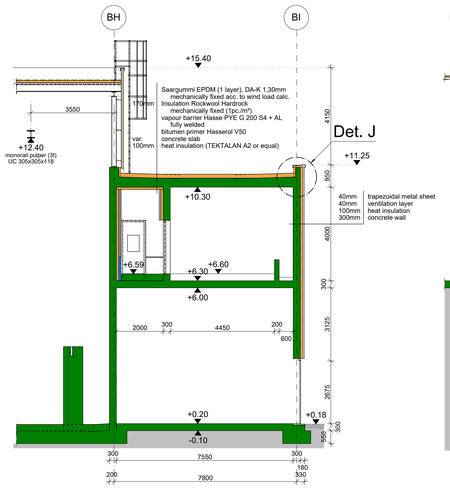
Appendix 4: View, sections, elevations

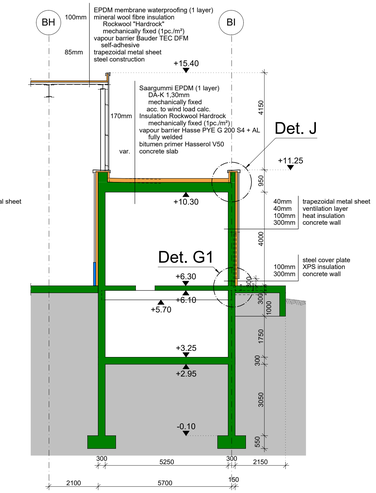
SECTION C-C
1:100



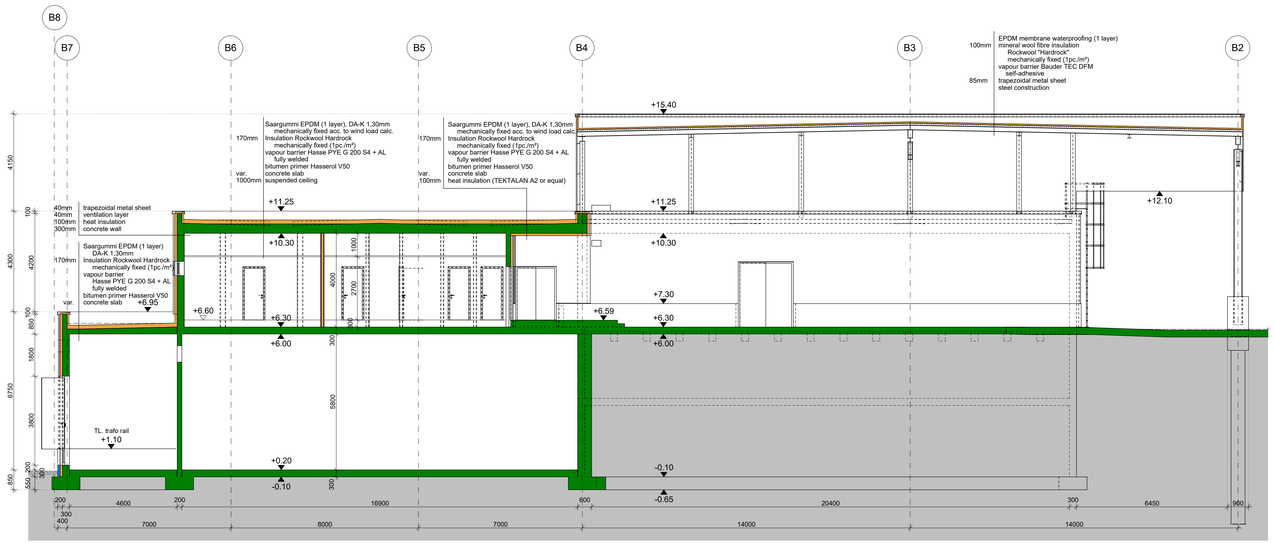
SECTION D-D
1:100



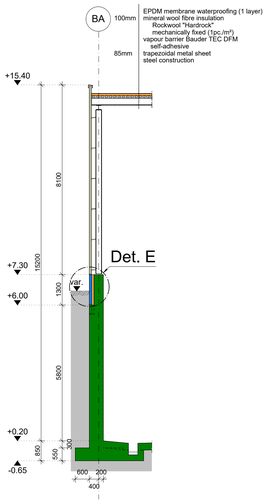
SECTION E-E
1:100



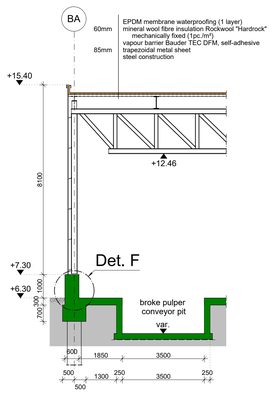
SECTION F-F
1:100



SECTION G-G
1:100



SECTION H-H
1:100



KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF	= TOP FINISH FLOOR	RH	= ROOM HEIGHT	TL	= TOP LEVEL
TRS	= TOP ROUGH SLAB	CH	= CLEAR HEIGHT	BL	= BOTTOM LEVEL
A	= AREA	TLP	= TOP LEVEL PARAPETE		
P	= PERIMETER	BLL	= BOTTOM LEVEL LINTEL		

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

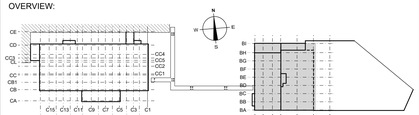
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

ASSOCIATED DRAWINGS	51302_DET_1050_B-typicals-facade_FC
REFERENCE DOCUMENT	

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03				
02				
01	15.12.2020	SSC		revised construction systems

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. A+B
bale handling + pulp storage
sections C-C, D-D, E-E, F-F, G-G, H-H

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	EWO	13.10.2020
PLAN NO. 51302_SEC_2214	INDEX 01	CHECKED -	SIZE A2+

PLAN NO. EXT.

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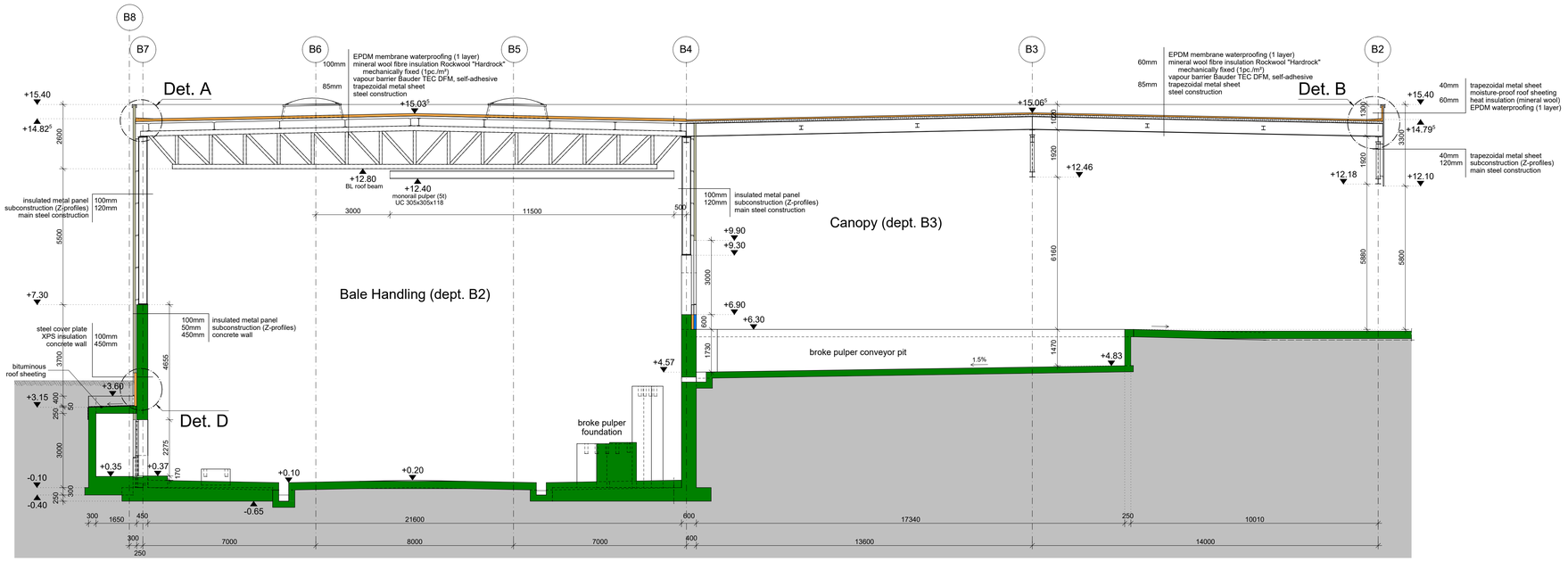
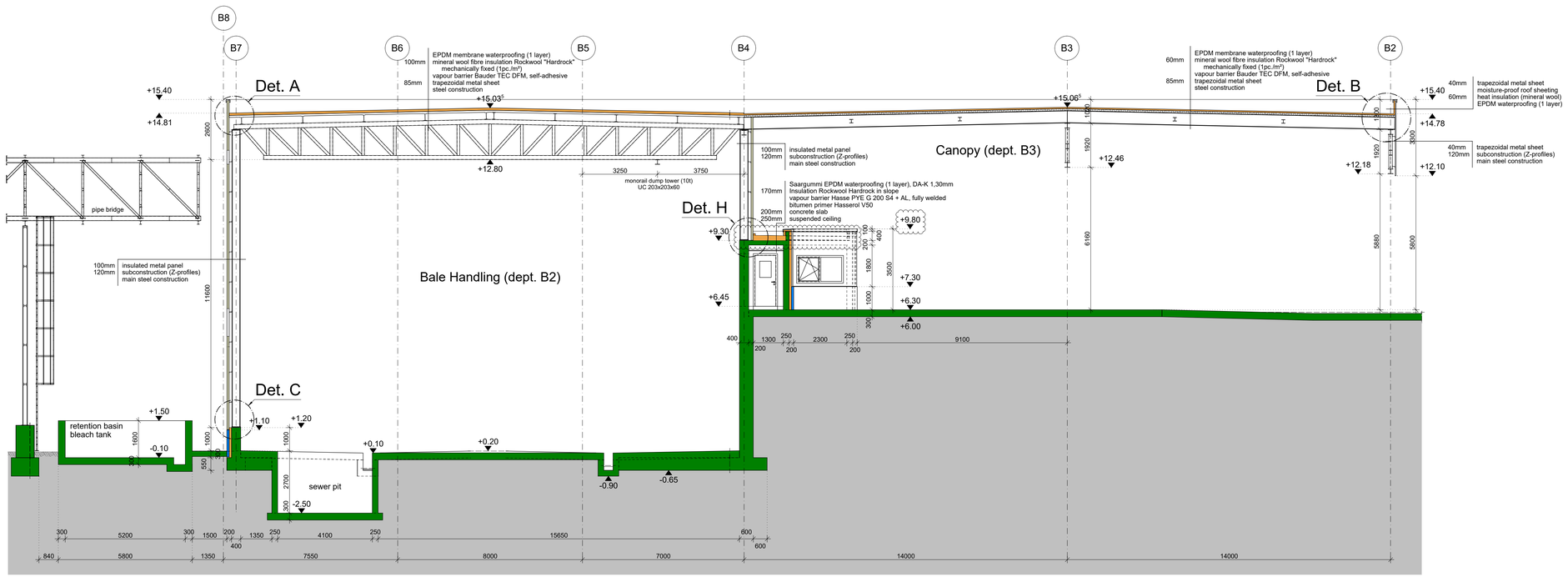
Runastraße 90, 6800 Feldkirch, Austria, Telefon +43 / 5522 / 46101
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com

SECTION A-A
1:100



SECTION B-B
1:100



KEY FIRE COMPARTMENTS

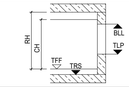
FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL	
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL	
A = AREA	TLP = TOP LEVEL PARAPETE		
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL		



ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

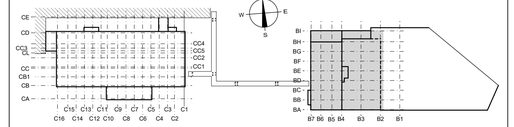
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

ASSOCIATED DRAWINGS	51302_DET_1050_B-typicals-facade_FC
REFERENCE DOCUMENT	

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03				
02				
01	15.12.2020	SSC		revised construction systems

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. A+B
bale handling + pulp storage
sections A-A, B-B

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	EWO	13.10.2020
PLAN NO. 51302_SEC_2213	INDEX 01	CHECKED .	SIZE .

PLAN NO. EXT.

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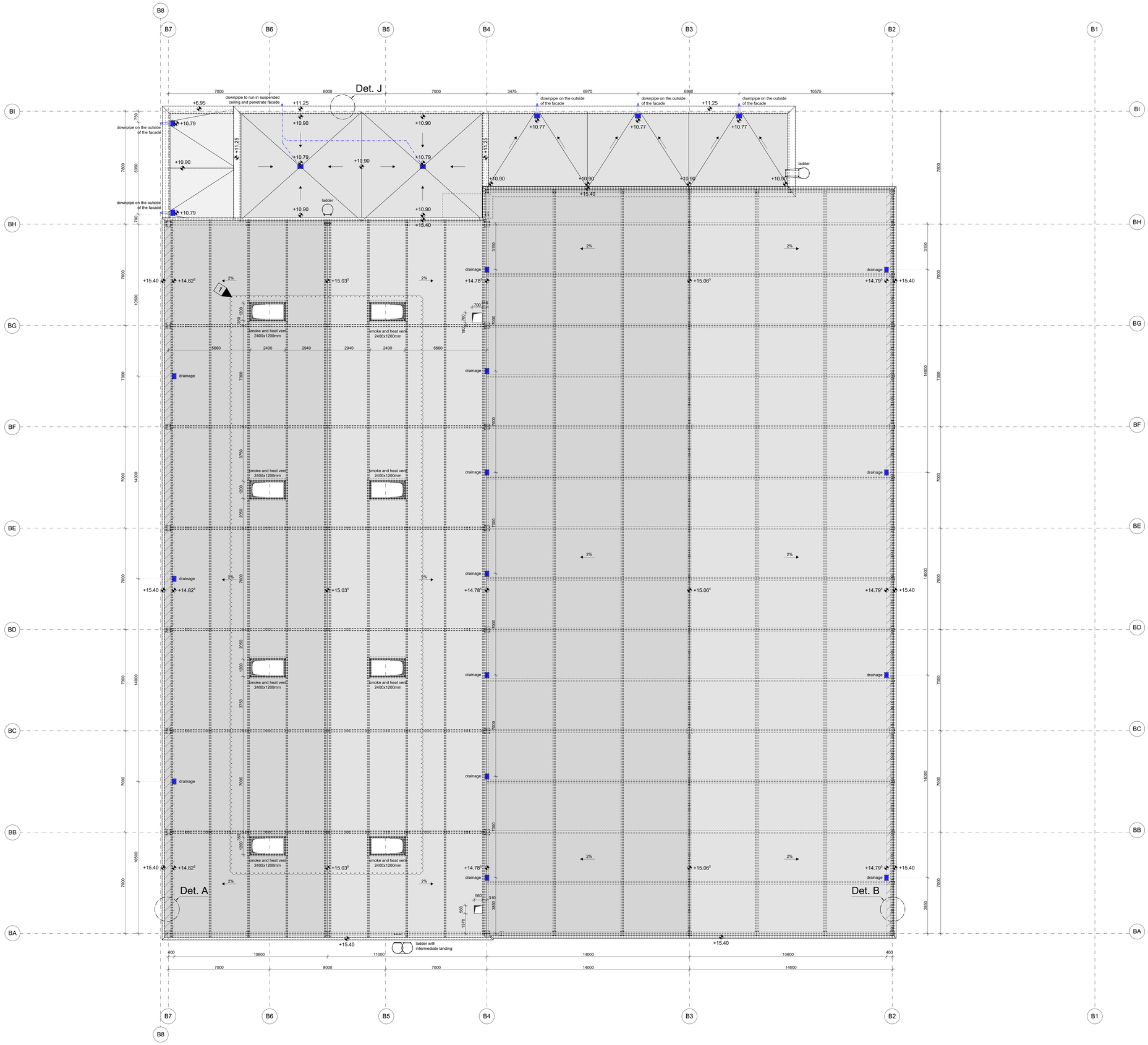
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com



KEY FIRE COMPARTMENTS

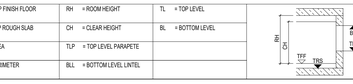
FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL	
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL	
A = AREA	TLP = TOP LEVEL PARAPETE		
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL		



ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

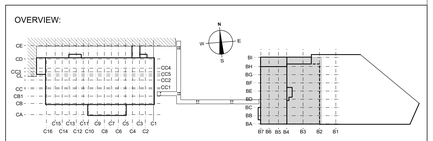
FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

General information:
- detailed design for drainage and gutters are in responsibility of the general contractor (in the drawing shown drainage are for symbolic illustration only)
- gutters are not shown in this drawing
- detailed design of securanten (installed hooks to rope up during roof maintenance works) are in responsibility of the general contractor

ASSOCIATED DRAWINGS	51302_DET_1050_B-typicals-facade_FC
REFERENCE DOCUMENT	

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03				
02				
01	15.12.2020	SSC		general update + moved smoke and heat vents

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. A+B
bale handling + pulp storage
roof top view

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	EWO	13.10.2020
PLAN NO.	INDEX	CHECKED	SIZE
51302_LAY_2212	01	-	-

PLAN NO. EXT.

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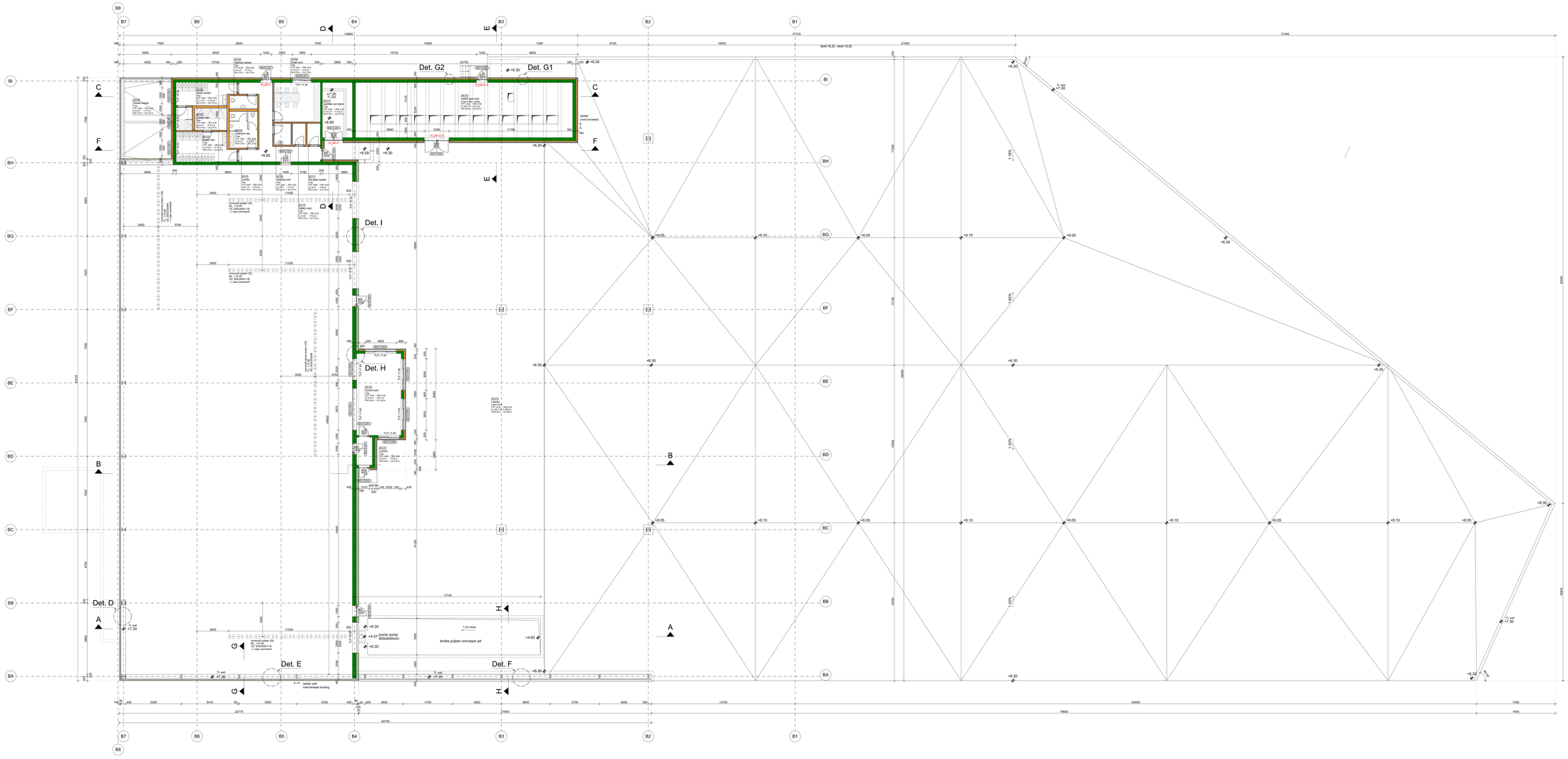
GROUND FLOOR LAYOUT +6.30



KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT PRESTRESSED	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF = TOP FINISH FLOOR	Rm = ROOM HEIGHT	TL = TOP LEVEL	
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL	
A = AREA	TLP = TOP LEVEL PARAPETE		
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL		

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

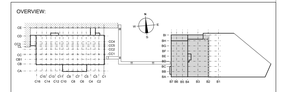
FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

Attention for monorail use:
- No simultaneous use of the monorails in field B6-B7/BG-BH and the monorail in field B4-B5/BO-BF
- No simultaneous use of the dump tower monorails with the pulper monorails

	51302_DET_1050_B-bpcode-facade_FC
	51302_SEC_2214_B-sections-C-D-E-F-G-H_FC
ASSOCIATED DRAWINGS	51302_SEC_2213_B-sections-A-B_FC
REFERENCE DOCUMENT	

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	15.12.2020	SSC		general update
02	13.10.2020	EWO		general update
01	31.08.2020	EWO		general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. A+B
bale handling + pulp storage
ground floor layout +6.30

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	EWO	31.07.2020
PLAN NO. 51302_LAY_2211	INDEX 03	CHECKED	SIZE
PLAN NO. EXT.			

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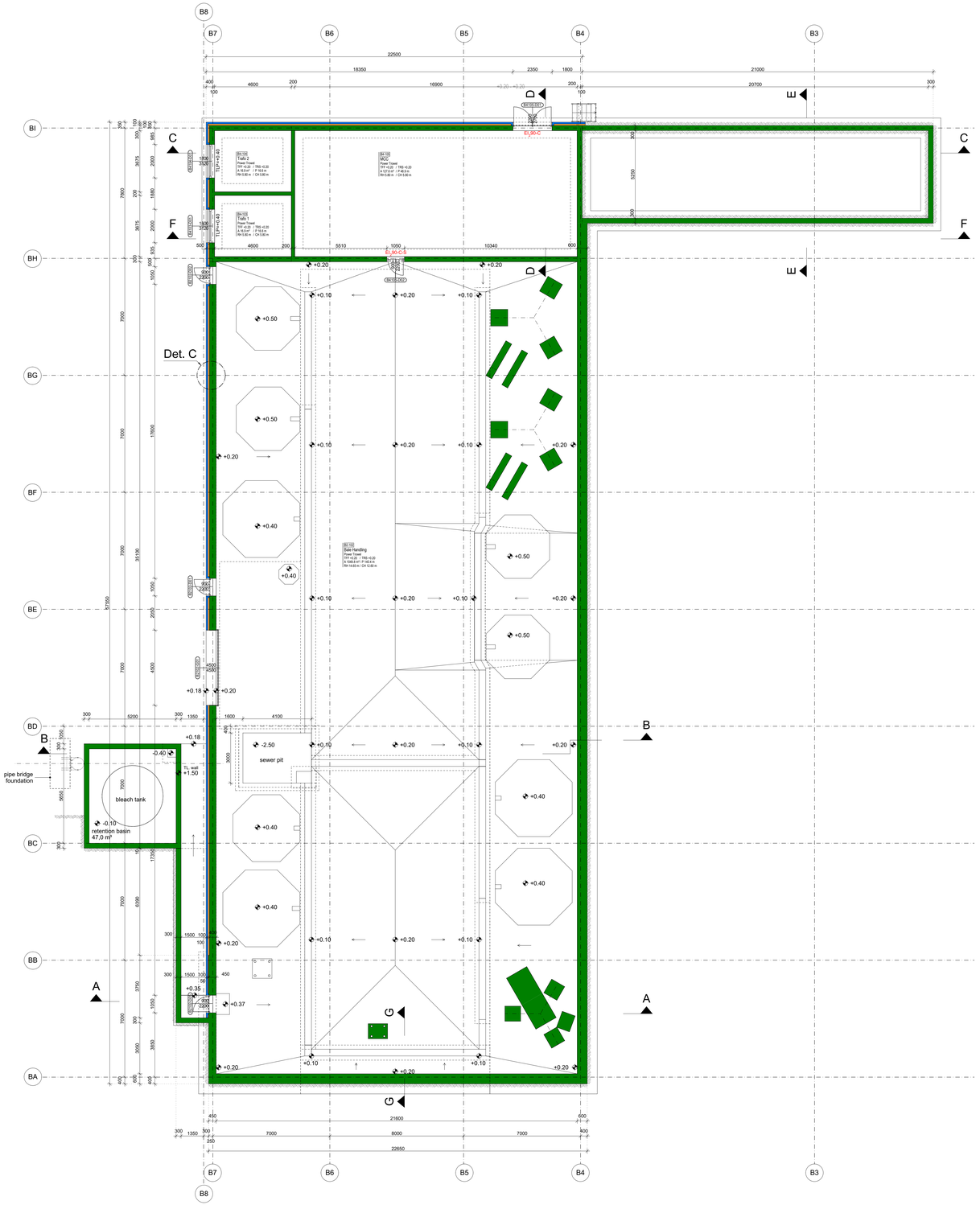
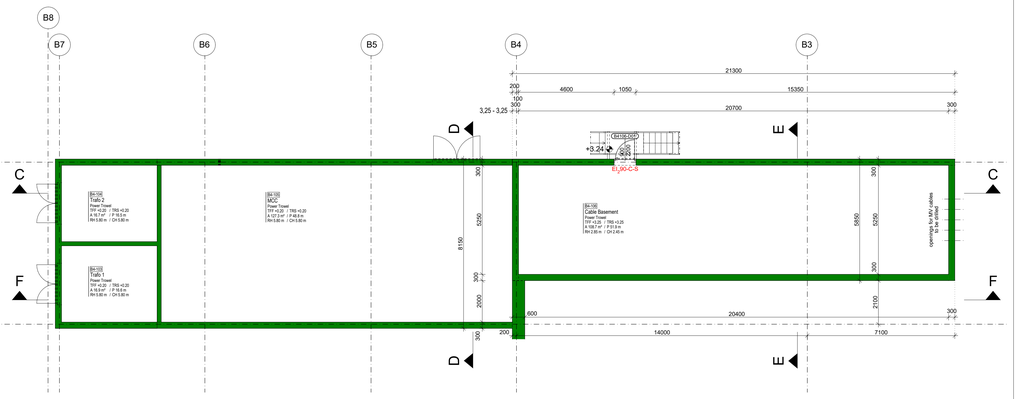
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com
BHM INGENIEURE

LAYOUT BASEMENT +0.20



LAYOUT BASEMENT +3.25



KEY FIRE COMPARTMENTS

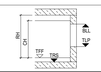
FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF	= TOP FINISH FLOOR	RH	= ROOM HEIGHT	TL	= TOP LEVEL
TRS	= TOP ROUGH SLAB	CH	= CLEAR HEIGHT	BL	= BOTTOM LEVEL
A	= AREA	TLP	= TOP LEVEL PARAPETE		
P	= PERIMETER	BLL	= BOTTOM LEVEL LINTEL		



ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

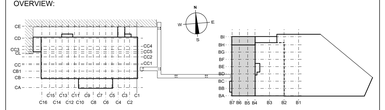
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

	51302_DET_1050_B-typicals-facade_FC
	51302_SEC_2214_B-sections-C–D–E–F–G–H_FC
ASSOCIATED DRAWINGS	51302_SEC_2213_B-sections-A–B_FC
REFERENCE DOCUMENT	

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	15.12.2020	SSC		general update + floor slab slope specified
02	13.10.2020	EWO		general update
01	31.08.2020	EWO		general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. A+B
bale handling + pulp storage
layout basement +0.20 and +3.25

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	EWO	31.07.2020
PLAN NO.	INDEX	CHECKED	SIZE
51302_LAY_2210	03	-	-

PLAN NO. EXT.

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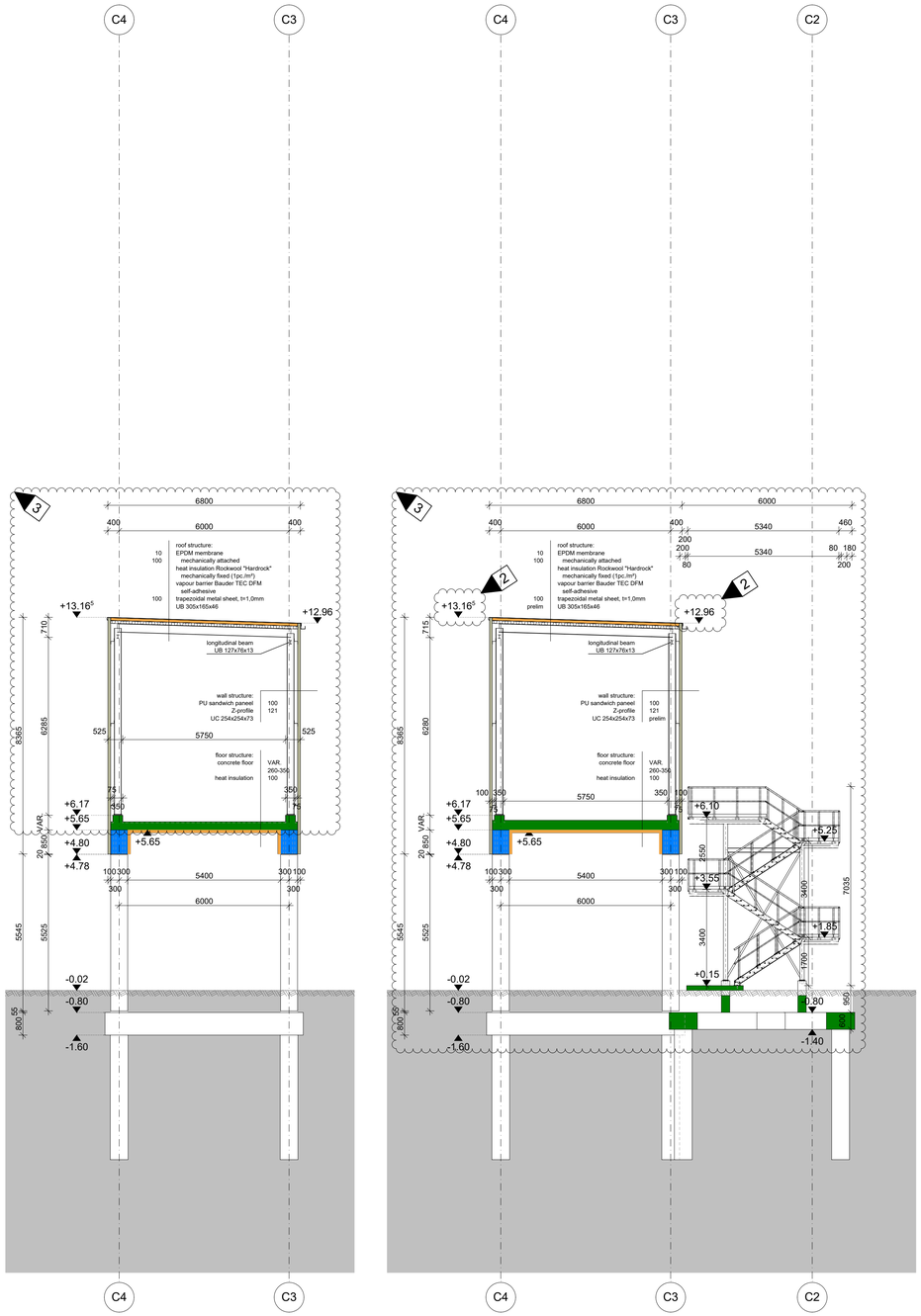
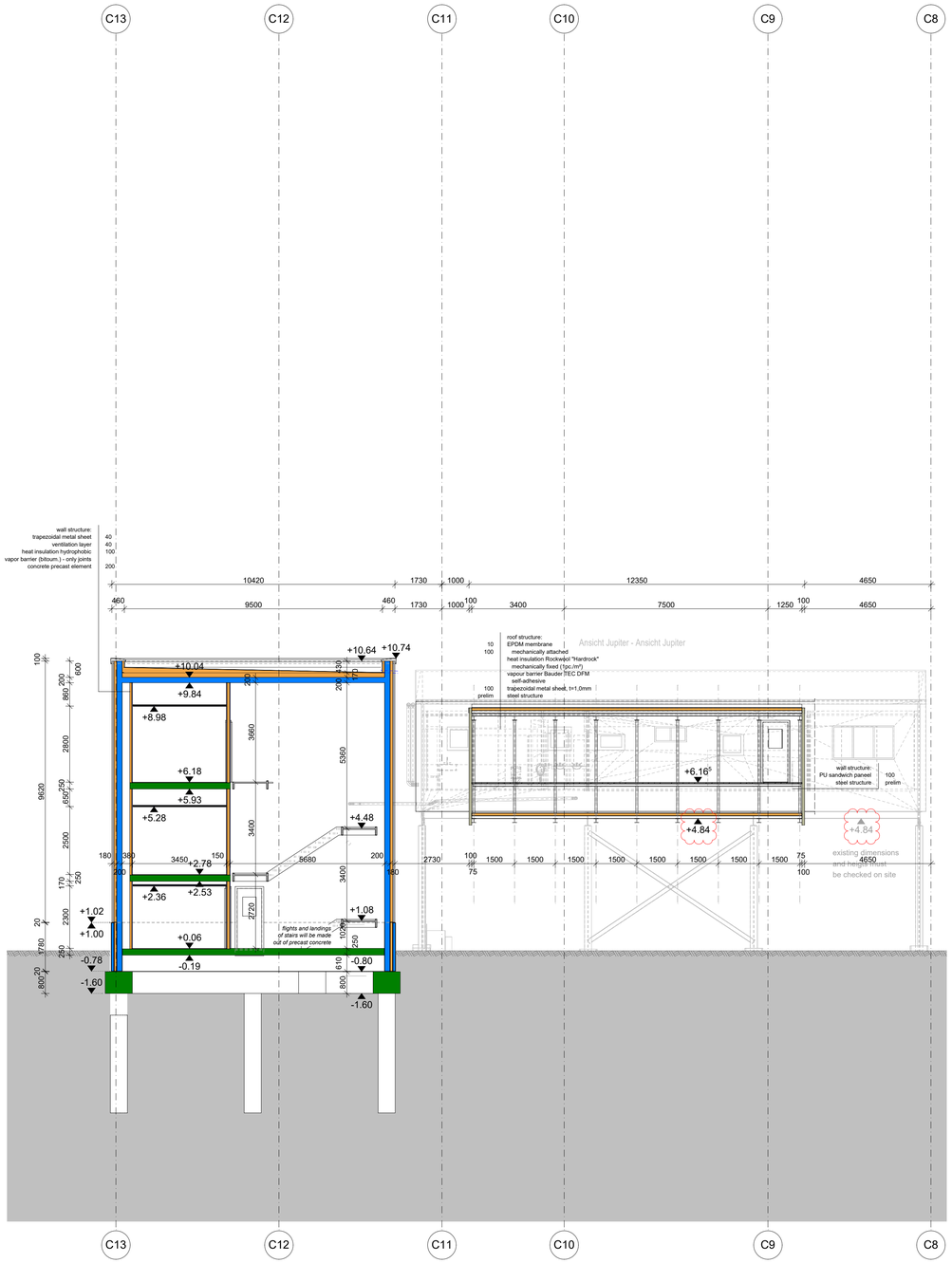
SECTION E1-E1
1:100



SECTION E2-E2
1:100

SECTION G2-G2
1:100

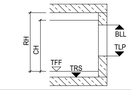


KEY FIRE COMPARTMENTS		
FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS		
REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL	
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL	
A = AREA	TLP = TOP LEVEL PARAPETE		
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL		



ALL COLOURS ACCORDING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

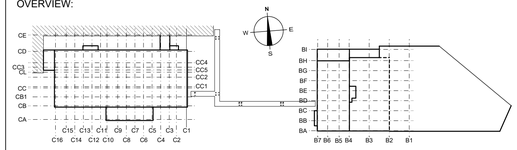
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

REFERENCE DOCUMENT	51303_DET_1051_C-typicals-pt.-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03				
02	18.12.2020	SSC	.	revised construction systems
01	08.10.2020	SSC	.	general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
sections
section E1-E1, E2-E2, G2-G2

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	SSC	31.08.2020
PLAN NO. 51303_SEC_2318	INDEX 02	CHECKED EWO	SIZE 900x594mm

PLAN NO. EXT.

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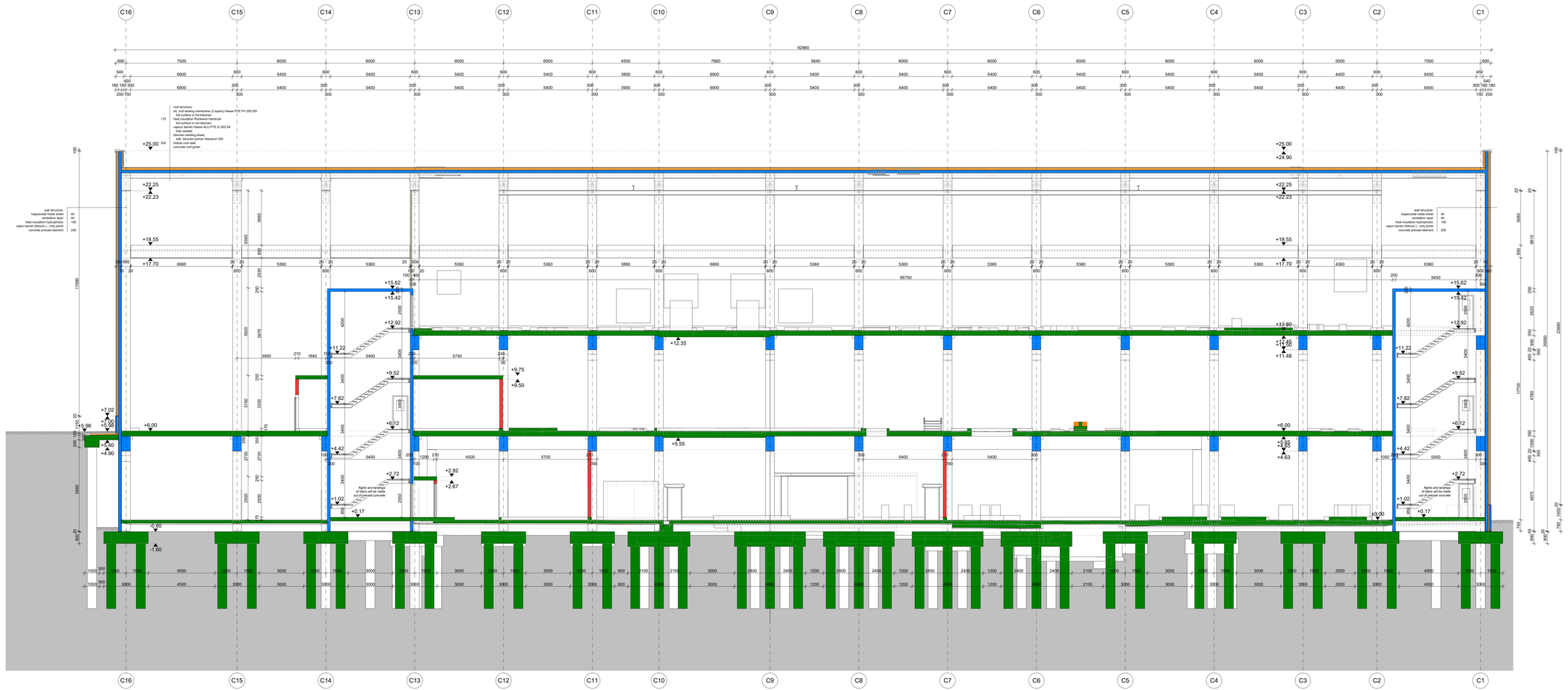
SECTION C-C

1:100



KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF	= TOP FINISH FLOOR	RH	= ROOM HEIGHT	TL	= TOP LEVEL
TRS	= TOP ROUGH SLAB	CH	= CLEAR HEIGHT	BL	= BOTTOM LEVEL
A	= AREA	TLP	= TOP LEVEL PARAPETE		
P	= PERIMETER	BLL	= BOTTOM LEVEL LINTEL		

ALL COLOURS ACCORDING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

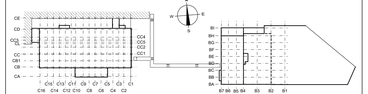
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

REFERENCE DOCUMENT	51303_DET_1051_Cygicals-pt.-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	18.12.2020	SSC		revised construction systems
02	08.10.2020	SSC		general update
01	31.08.2020	SSC		general update

OVERVIEW:



PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
section
section C-C

PHASE: FOR CONSTRUCTION

PROJECT NO. 119003	SCALE 1:100	DRAWN SSC	DATE 31.07.2020
PLAN NO. 51303_SEC_2317	INDEX 03	CHECKED EWO	SIZE 1300x594mm

PLAN NO. EXT.

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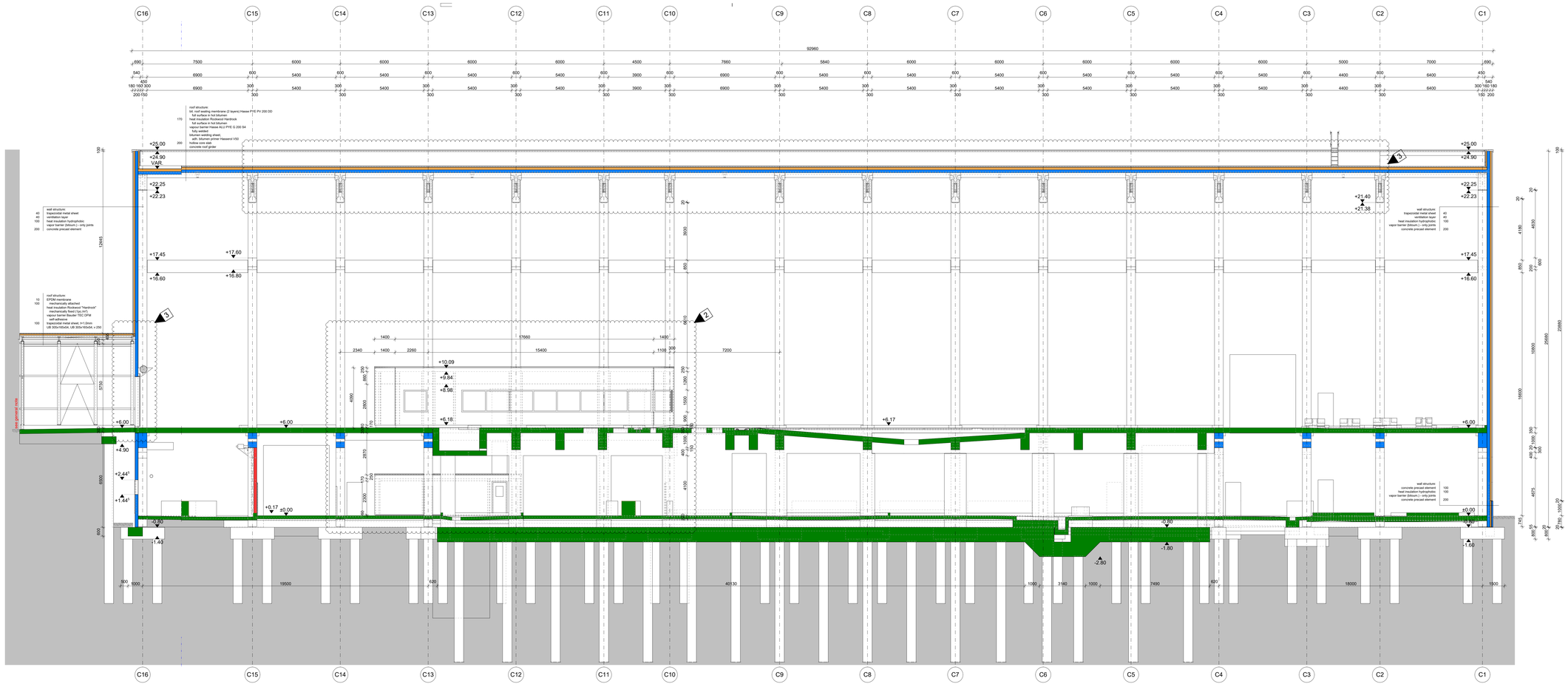
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com

SECTION B-B

1:100


C16 C15 C14 C13 C12 C11 C10 C9 C8 C7 C6 C5 C4 C3 C2 C1
92960
roof structure:
EPDM membrane (2 layers) Hasse PYE PV 200 DO
full surface in hot bitumen
heat insulation Rockwool Hardrock
full surface in hot bitumen
vapour barrier Hasse ALU PYE G 200 S4
with bitumen
bitumen welding sheet,
adh. bitumen primer Hasseno V50
hollow core slab
concrete roof gutter
wall structure:
trapezoidal metal sheet
ventilation layer
heat insulation hydrophobic
vapor barrier (bitumen), rainy joints
concrete precast element
roof structure:
EPDM membrane
mechanically attached
heat insulation Rockwool "Hardrock"
mechanically fixed (1pc./m²)
vapour barrier Bauder TEC OFM
with bitumen
trapezoidal metal sheet, h=1.0mm
UB 305x165x54, UB 305x165x54, + 250
wall structure:
concrete precast element
heat insulation hydrophobic
vapor barrier (bitumen), rainy joints
concrete precast element
+25.00
+24.90
VAR.
+22.25
+22.23
+21.40
+21.38
+17.45
+17.60
+16.60
+16.80
+10.09
+9.84
+8.98
+6.18
+6.17
+6.00
+4.90
+2.44
+1.44
+0.17
±0.00
-0.80
-1.40
-2.80
-1.80
-1.60
17660
15400
7200
92960
19500
40130
18000
23880
26580
16500
19800
4180
4650
4815
2000
2050
1745
6500
5750
17445
6600
4090
4100
3900
2800
2340
1400
2260
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3140
7490
620
500
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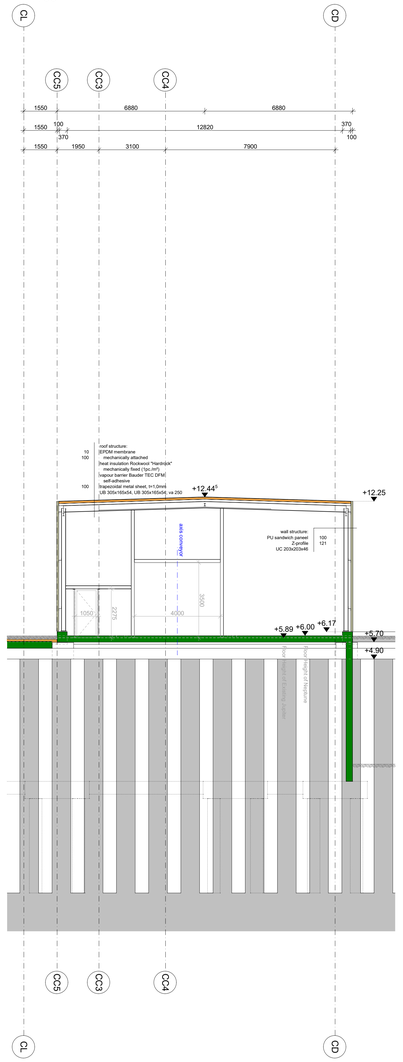
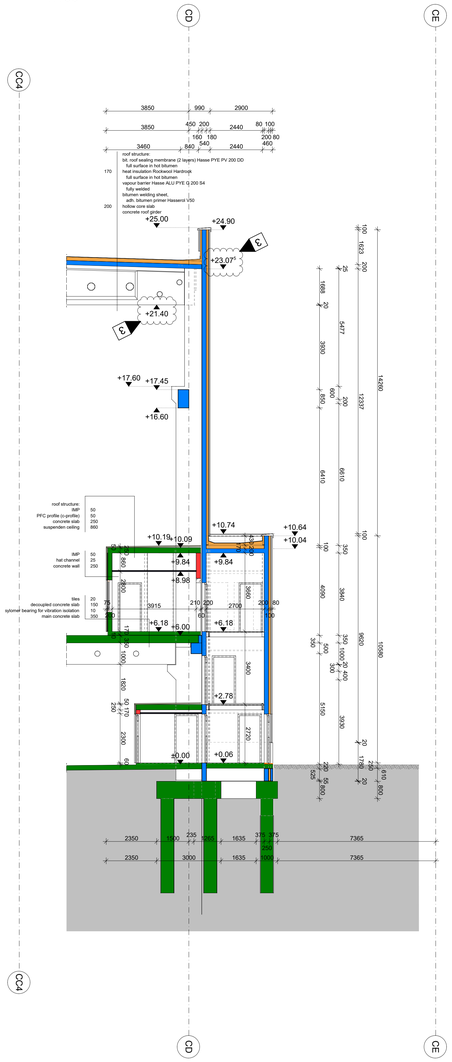
1000
1500
1500
1500

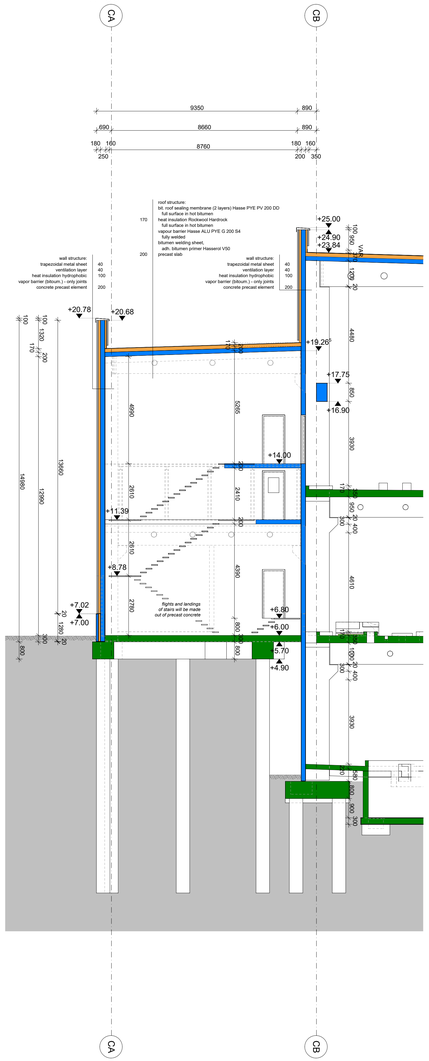
SECTION F-F
1:100



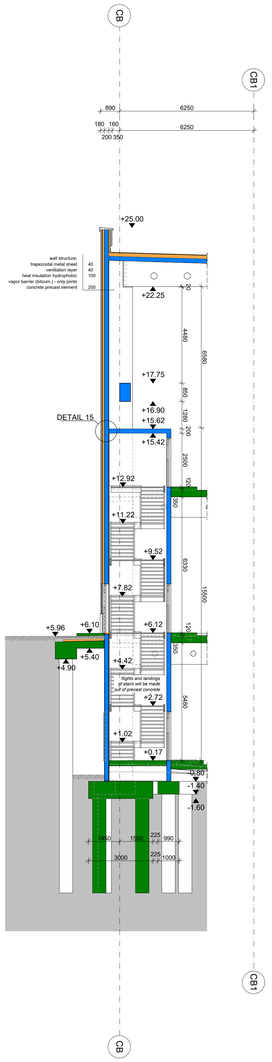
SECTION G1-G1
1:100



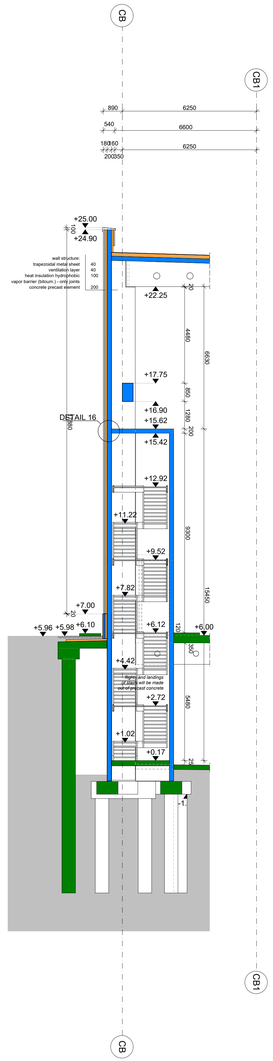
SECTION H-H
1:100



SECTION I-I
1:100



SECTION J-J
1:100



KEY FIRE COMPARTMENTS

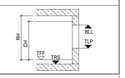
FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL	
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL	
A = AREA	TLP = TOP LEVEL PARAPETE		
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL		



ALL COLOURS ACCORDING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

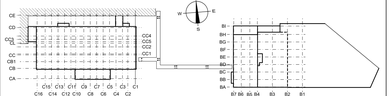
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

REFERENCE DOCUMENT	51303_DET_1051_C-typicals-pt.-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03				
02	18.12.2020	SSC	.	revised construction systems
01	08.10.2020	SSC	.	general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
sections
section F-F, G1-G1, H-H, I-I, J-J

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	SSC	31.08.2020
PLAN NO.	INDEX	CHECKED	SIZE
51303_SEC_2315	02	EWO	1200x594mm

PLAN NO. EXT.

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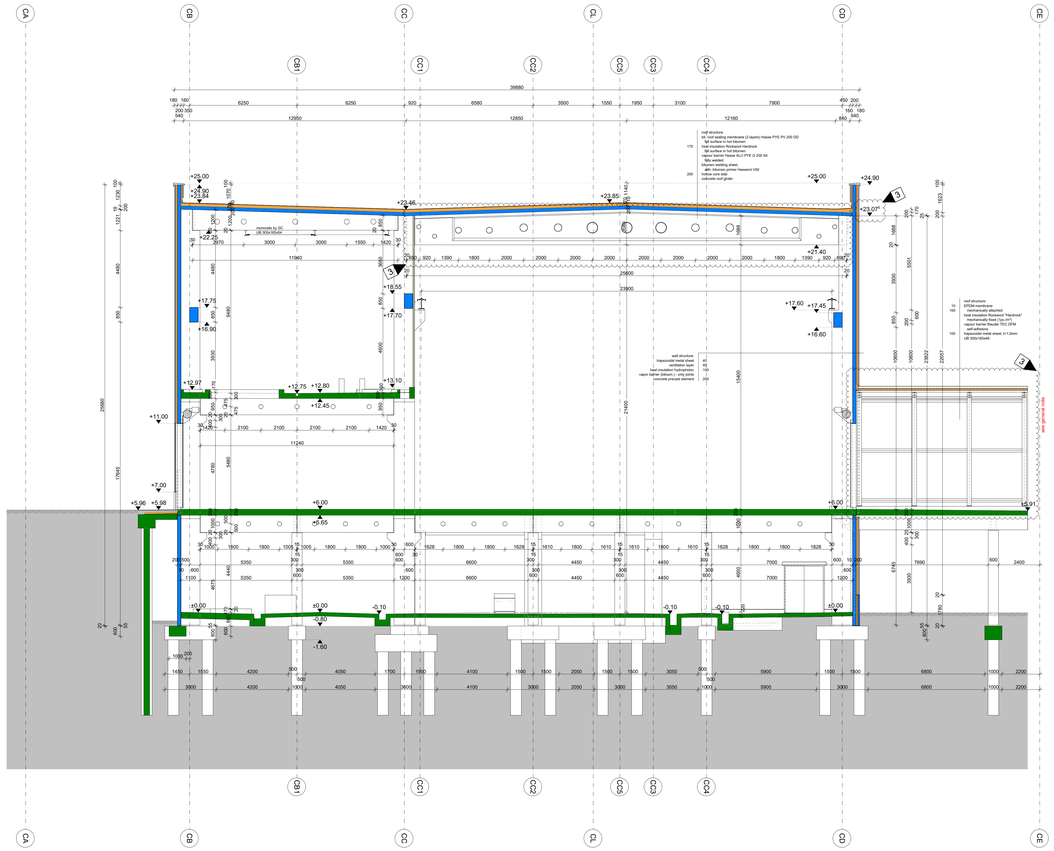
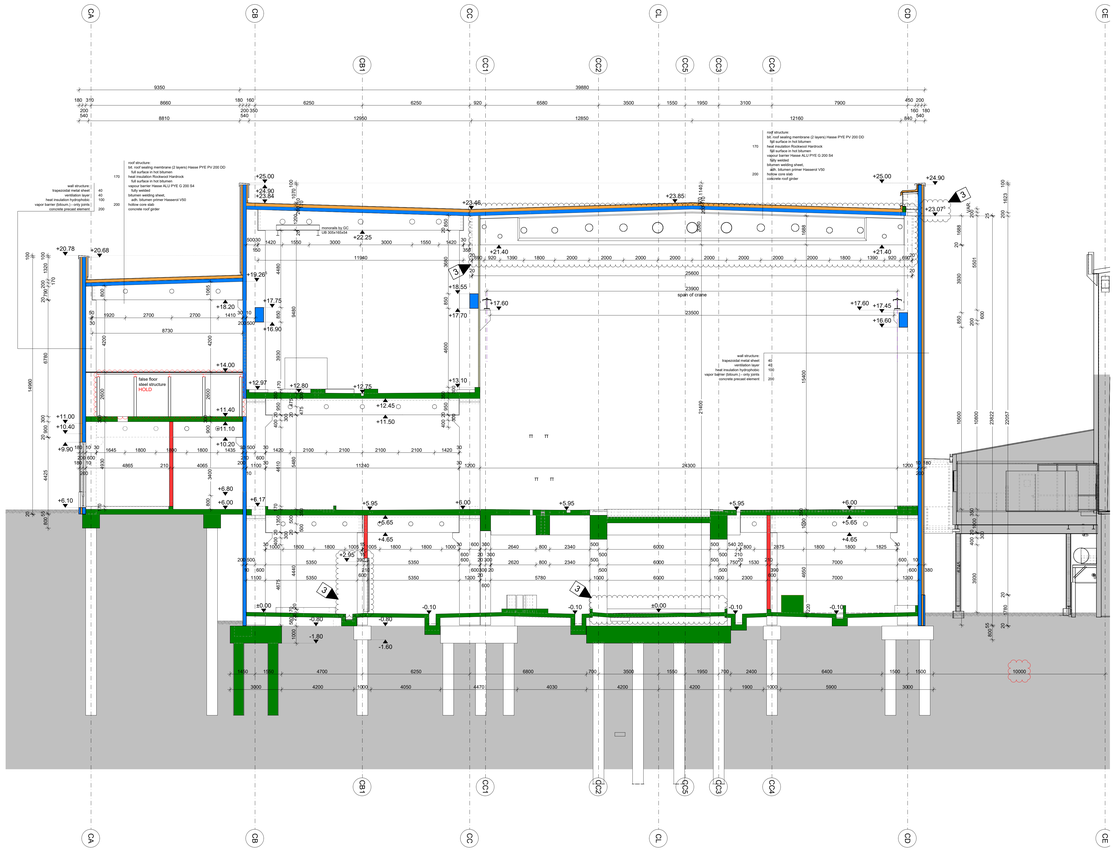
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com
BHM INGENIEURE

SECTION A-A
1:100



SECTION D-D
1:100



KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL	
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL	
A = AREA	TLP = TOP LEVEL PARAPETE		
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL		

ALL COLOURS ACCORDING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

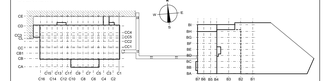
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

REFERENCE DOCUMENT: 51303_DET_1051_C-typicals-pt-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	18.12.2020	SSC	-	general update
02	08.10.2020	SSC	-	general update
01	31.08.2020	SSC	-	general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
sections
section A-A, D-D

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:100	SSC	31.07.2020
PLAN NO. 51303_SEC_2314	INDEX 03	CHECKED EWO	SIZE 1500x841mm
PLAN NO. EXT.			

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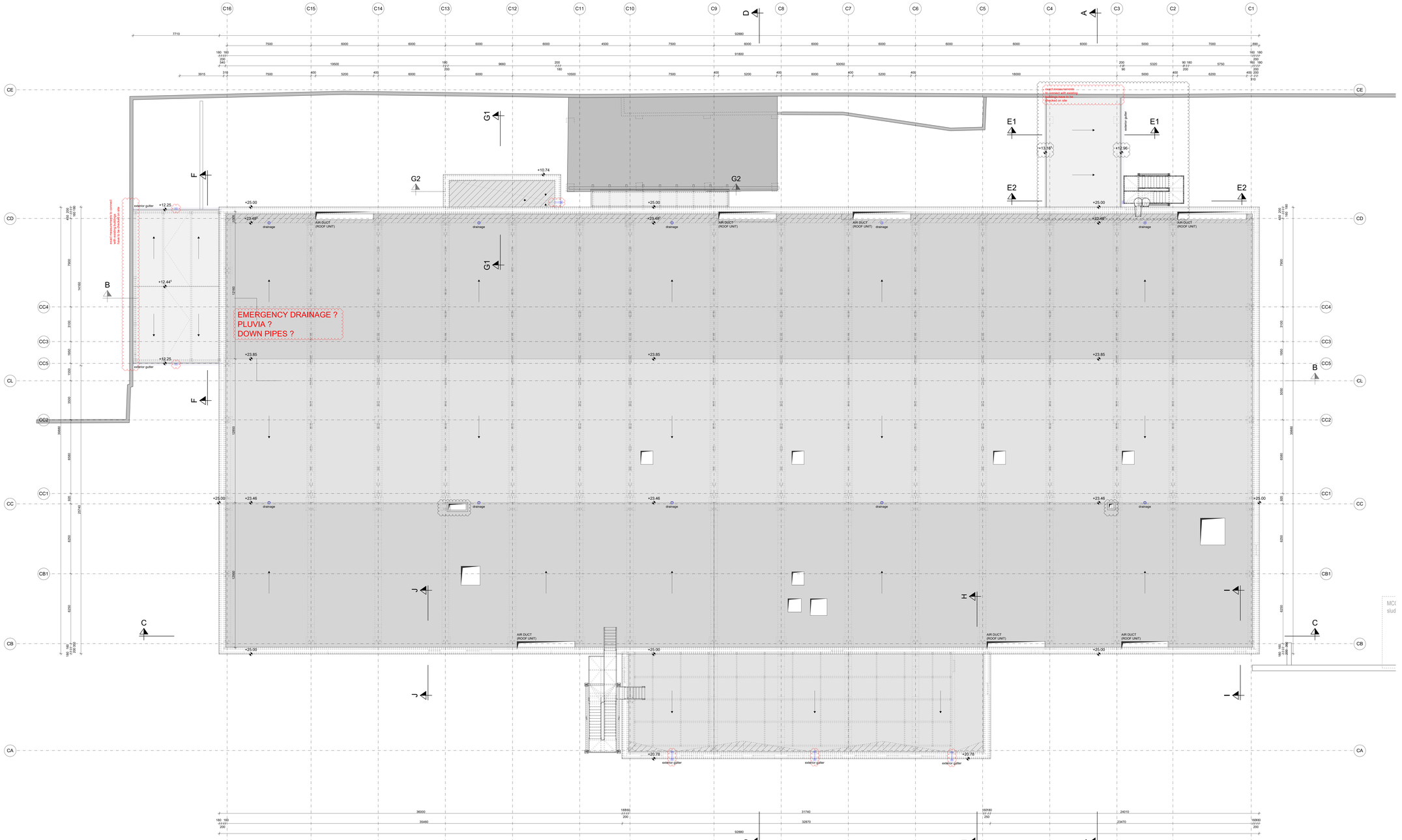


KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT | FIRE SUB COMPARTMENT | SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL
A = AREA	TLP = TOP LEVEL PARAPETE	
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL	

ALL COLOURS ACCORING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

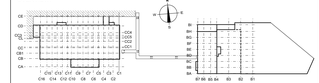
General information:

- detailed design for drainage and gutters are in responsibility of the general contractor (in the drawing shown drainage are for symbolic illustration only)
- gutters are not shown in this drawing
- detailed design of securanten (installed hooks to rope up during roof maintenance works) are in responsibility of the general contractor

REFERENCE DOCUMENT	51303_DET_1051_Copcak-pl.-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	18.12.2020	SSC	-	general update
02	08.10.2020	SSC	-	general update
01	31.08.2020	SSC	-	general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
roof top view
-

PHASE: FOR CONSTRUCTION

PROJECT NO.	119003	SCALE 1:100	DRAWN SSC
PLAN NO.	51303_LAY_2313	INDEX 03	CHECKED EWO
PLAN NO. EXT.			

DATE: 31.07.2020
SIZE: 1500x841mm

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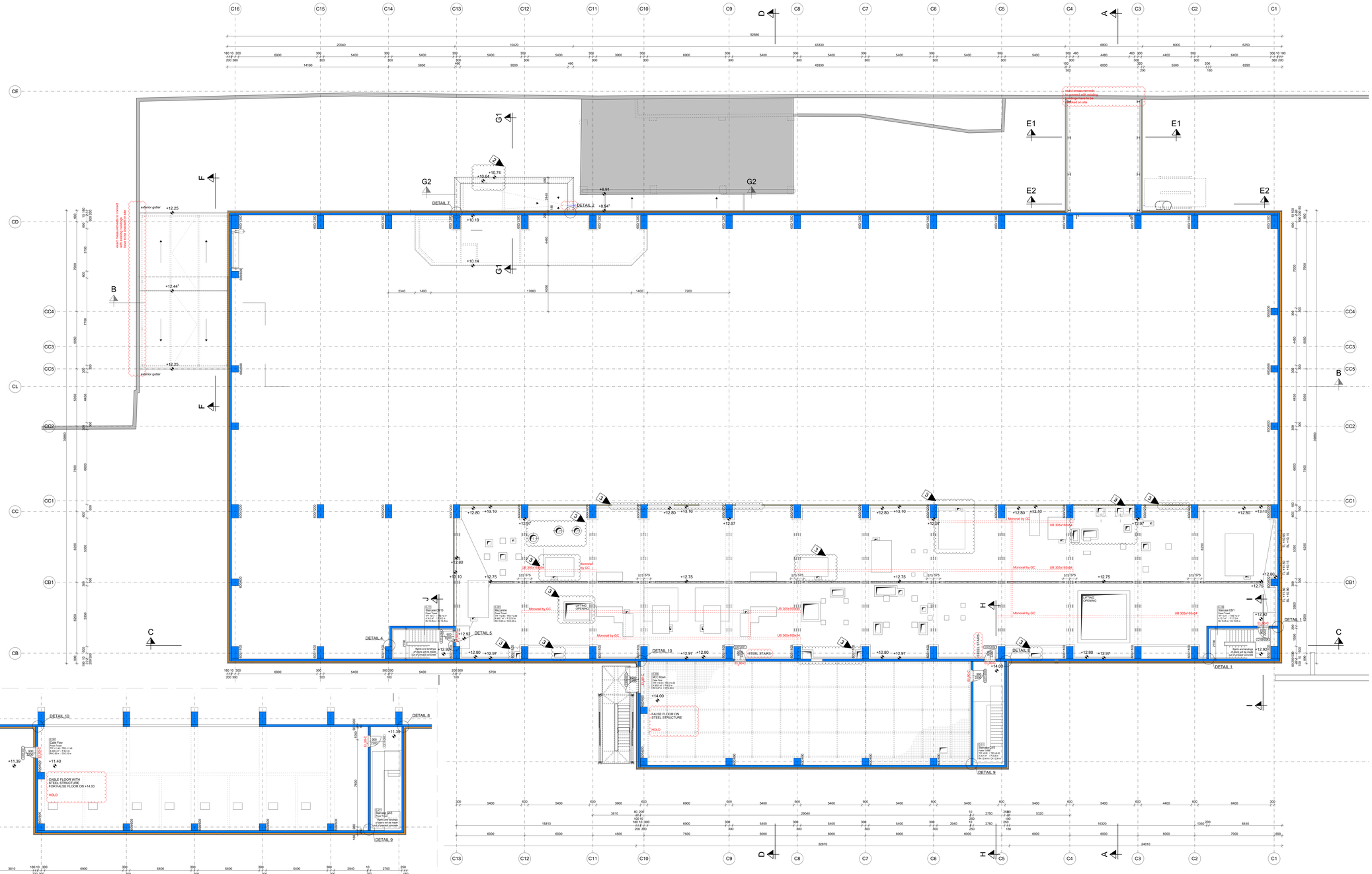
Fax +43 / 5522 / 46104, office@bhm-eng.com, www.bhm-eng.com



DETAILS 1-15 see Drawing:
52303_DET_4200

General DETAILS for
CRANE BEAM CONSOLE and
Column Shoes see Drawing:
52303_DET_4201

KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT | FIRE SUB COMPARTMENT | SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE | PRECAST CONCRETE ELEMENT | HEAT INSULATION SOFT
BRICKWORK | PRECAST CONCRETE ELEMENT | SANDWICH PANEL
PLASTERBOARD | HEAT INSULATION RIGID | GLASS
EXISTING BUILDING | DEMOLITION

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL
A = AREA	TLP = TOP LEVEL PARAPETE	
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL	

ALL COLOURS ACCORDING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

REFERENCE DOCUMENT: 51303_DET_1051_Cutpicals-pt-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	18.12.2020	SSC		general update
02	08.10.2020	SSC		general update
01	31.08.2020	SSC		general update

OVERVIEW:

MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
mezzanine floor
level +12.80 | level +11.40

PHASE: FOR CONSTRUCTION

PROJECT NO. 119003	SCALE 1:100	DRAWN SSC	DATE 31.07.2020
PLAN NO. 51303_LAY_2312	INDEX 03	CHECKED EWO	SIZE 1500x841mm
PLAN NO. EXT.			

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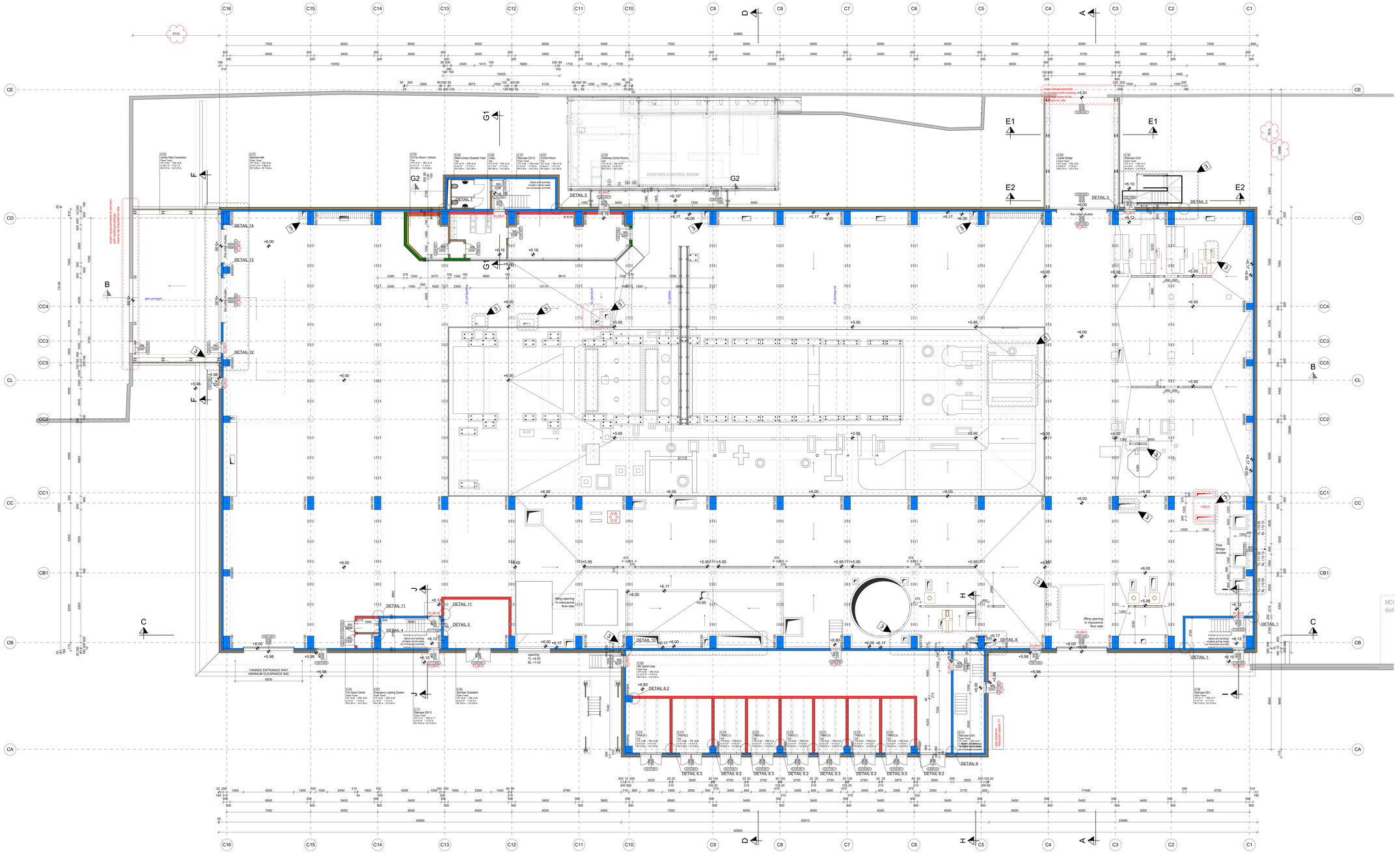
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com

CABLE FLOOR
+11.40m



DETAILS 1-15 see Drawing:
52303_DET_4200

General DETAILS for
CRANE BEAM CONSOLE and
Column Shoes see Drawing:
52303_DET_4201

KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT | FIRE SUB COMPARTMENT | SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE		PRECAST CONCRETE ELEMENT		HEAT INSULATION SOFT	
BRICKWORK		PRECAST CONCRETE ELEMENT		SANDWICH PANEL	
PLASTERBOARD		HEAT INSULATION RIGID		GLASS	
EXISTING BUILDING		DEMOLITION			

KEY ROOM

TFF = TOP Finish-FLOOR		RH = ROOM HEIGHT		TL = TOP LEVEL	
TRS = TOP ROUGH SLAB		CH = CLEAR HEIGHT		BL = BOTTOM LEVEL	
A = AREA		TLF = TOP LEVEL PARAPETE			
P = PERIMETER		BLL = BOTTOM LEVEL LINTEL			

ALL COLOURS ACCORDING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

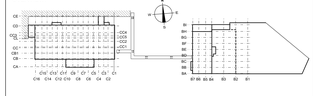
PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

REFERENCE DOCUMENT: 51303_DET_1051_Cryocals-pt-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	18.12.2020	SSC		general update
02	08.10.2020	SSC		general update
01	31.08.2020	SSC		general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
machine floor
level +6.00

PHASE: FOR CONSTRUCTION

PROJECT NO.	119003	SCALE 1:100	DRAWN SSC
PLAN NO.	51303_LAY_2311	INDEX 03	CHECKED EWO
PLAN NO. EXT.			SIZE 1500x841mm

DATE: 31.07.2020

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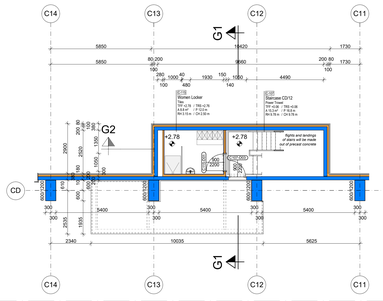
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com

LEVEL WOMEN LOCKER

+2.78m



DETAILS 1-15
see Drawing:
52303_DET_4200

General DETAILS for
CRANE BEAM CONSOLE and
Column Shoes see Drawing:
52303_DET_4201

KEY FIRE COMPARTMENTS

FIRE MAIN COMPARTMENT	FIRE SUB COMPARTMENT	SMOKE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE		PRECAST CONCRETE ELEMENT		HEAT INSULATION SOFT	
BRICKWORK		PRECAST CONCRETE ELEMENT		SANDWICH PANEL	
PLASTERBOARD		HEAT INSULATION RIGID		GLASS	
EXISTING BUILDING		DEMOLITION			

KEY ROOM

TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL	
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL	
A = AREA	TLP = TOP LEVEL PARAPET		
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL		

ALL COLOURS ACCORDING TO THE COLOUR SCHEDULE.

ALL MEASUREMENTS OF CONNECTIONS AND ATTACHMENTS TO THE EXISTING BUILDING MUST BE VERIFIED ON SITE.

ALL DIMENSIONS MUST BE CHECKED ON SITE.

PROCESS LAYOUT IS SHOWN FOR REFERENCE ONLY.

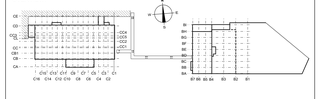
FOR TREATED SURFACES AND COATINGS SEE SURFACE PLAN.

⚠ NOTE:
THE UNDERGROUND SHAFT ROOF (AXIS CD-CE/C4-C6) NEEDS TO BE SUPPORTED IF THERE IS TRAFFIC ON THE CONCRETE SLAB.
USE OF THIS AREA IS IN THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

REFERENCE DOCUMENT	51303_DET_1051_Cutpicals-pt-1_FC

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
09				
08				
07				
06				
05				
04				
03	18.12.2020	SSC		general update
02	08.10.2020	SSC		general update
01	31.08.2020	SSC		general update

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. C
paper machine building
basement
level ±0.00

PHASE: FOR CONSTRUCTION

PROJECT NO.	119003	SCALE	1:100	DRAWN	SSC	DATE	31.07.2020
PLAN NO.	51303_LAY_2310	INDEX	03	CHECKED	EWO	SIZE	1500x841mm
PLAN NO. EXT.							

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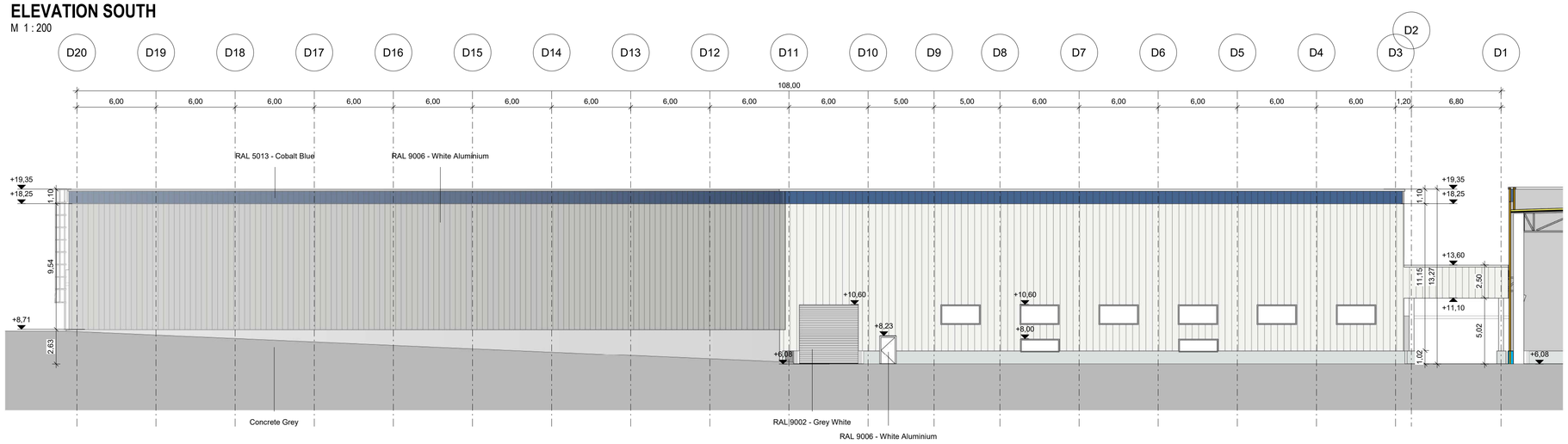
Fax +43 / 5522 / 46104, office@bhm-eng.com, www.bhm-eng.com

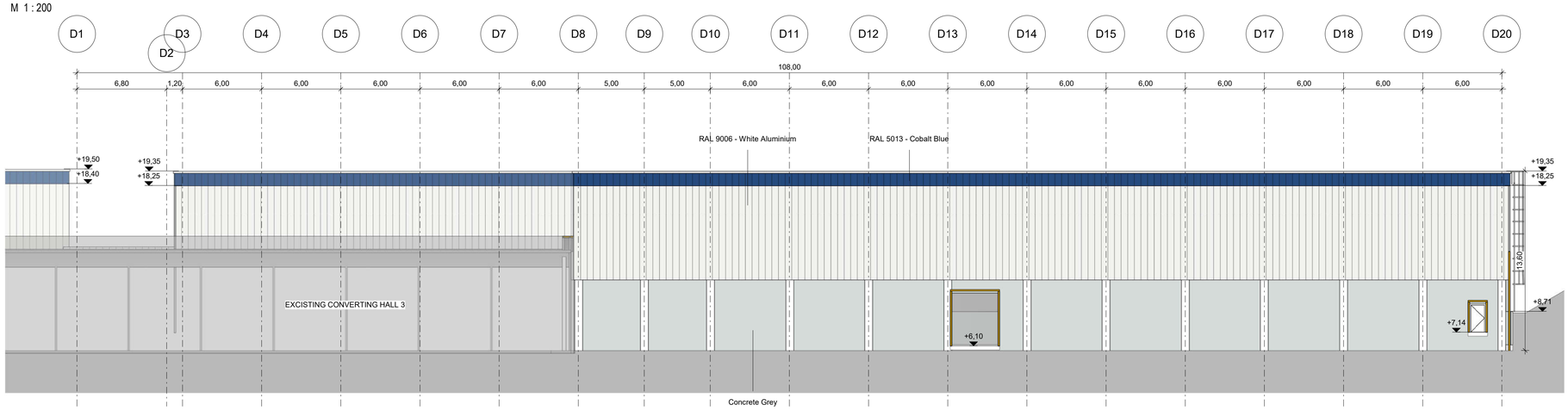
ELEVATION SOUTH

M 1 : 200



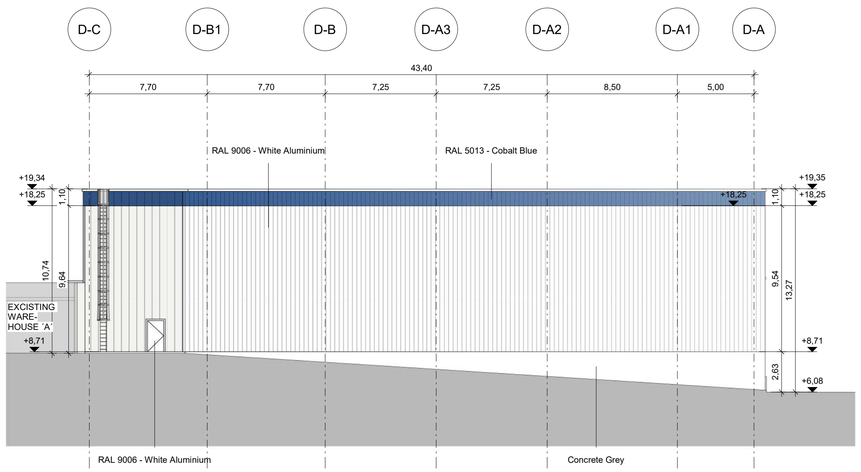
ELEVATION NORTH

M 1 : 200



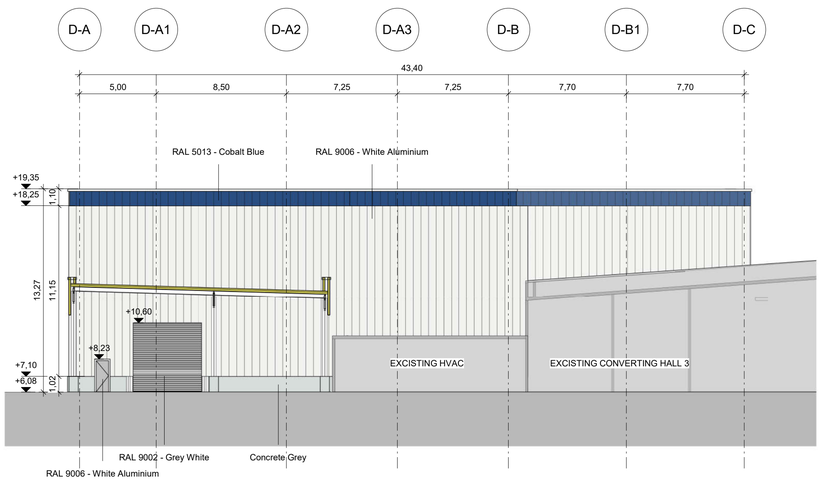
ELEVATION WEST

M 1 : 200



ELEVATION EAST

M 1 : 200



COLORS: EXTERIOR, ALL DEPARTMENTS		
ROLLING SHUTTERS		RAL 9002 - Grey White
WINDOWS AND FRAMES		RAL 9006 - White Aluminium
CONCRETE		Concrete grey
HOLLOW METAL DOORS & FRAMES & LITES		RAL 9006 - White Aluminium
FACADE PANELS		RAL 9006 - White Aluminium
FACADE STRIPES		RAL 5013 - Cobalt blue

KEY FIRE COMPARTMENTS

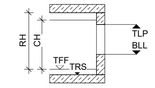
FIRE COMPARTMENT

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF=	TOP FINISH FLOOR	RH =	ROOM HEIGHT
TRS=	TOP ROUGH SLAB	CH =	CLEAR HEIGHT
A =	AREA	TLP =	TOP LEVEL PARAPETE
P =	PERIMETER	BLL =	BOTTOM LEVEL LINTEL



INDEX	DATE	DRAWN	MODIFICATION

BASIC DESIGN

PLANNER
BHM INGENIEURE
BHM INGENIEURE - ENGINEERING & CONSULTING GMBH
Runastrasse 90, 6800 Feldkirch, Austria, Telefon +43 / 5522 / 46101
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PLANNER
PlanConsultUmwelt
Partnerschaft

PLANNER
Quorum
CONSULTING ENGINEERS

MILL SITE ±0,00m = 75,35m ABOVE SEA LEVEL

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: D - CONVERTING ELEVATIONS

PHASE: PLANNING APPLICATION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:200	MoO	12.12.2019
PLAN NO.	INDEX	CHECKED	SIZE
51104-1003	-	KoM	841 x 594

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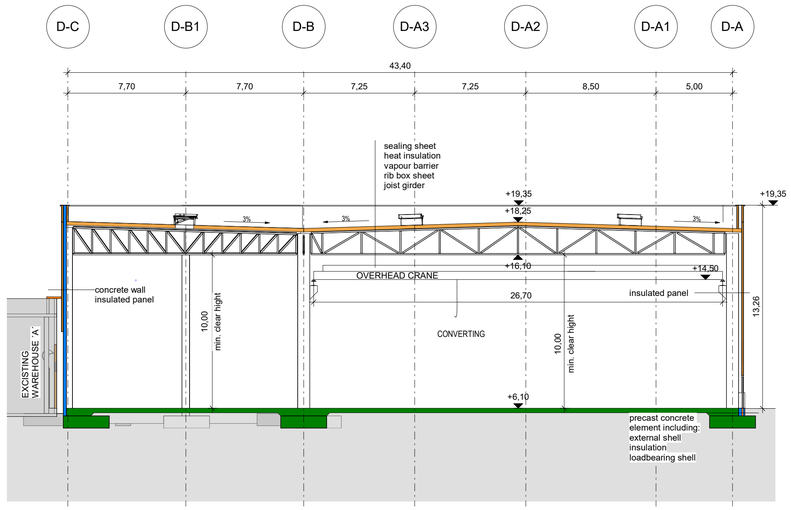
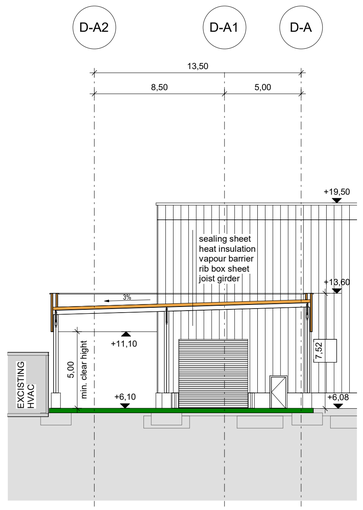
BHM INGENIEURE

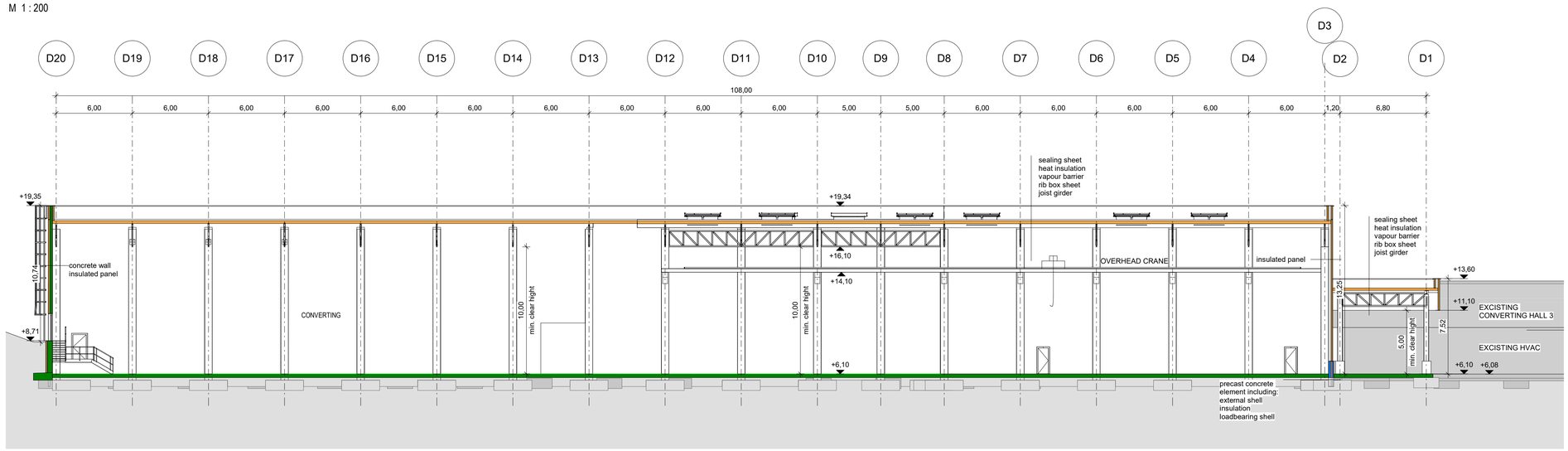
CROSS SECTION A-A
M 1 : 200



CROSS SECTION B-B
M 1 : 200



CROSS SECTION C-C
M 1 : 200



KEY FIRE COMPARTMENTS

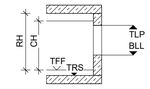
FIRE COMPARTMENT	

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF=	TOP FINISH FLOOR	RH =	ROOM HEIGHT
TRS=	TOP ROUGH SLAB	CH =	CLEAR HEIGHT
A =	AREA	TLP =	TOP LEVEL PARAPETE
P =	PERIMETER	BLL =	BOTTOM LEVEL LINTEL



INDEX	DATE	DRAWN	MODIFICATION

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PLANNER
PlanConsultUmwelt Partnerschaft

PLANNER
Quorum CONSULTING ENGINEERS

MILL SITE ±0,00m = 75,35m ABOVE SEA LEVEL

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: D - CONVERTING
CROSS SECTIONS

PHASE: PLANNING APPLICATION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:200	MoO	12.12.2019
PLAN NO.	INDEX	CHECKED	SIZE
51104-1002	-	KoM	841 x 594

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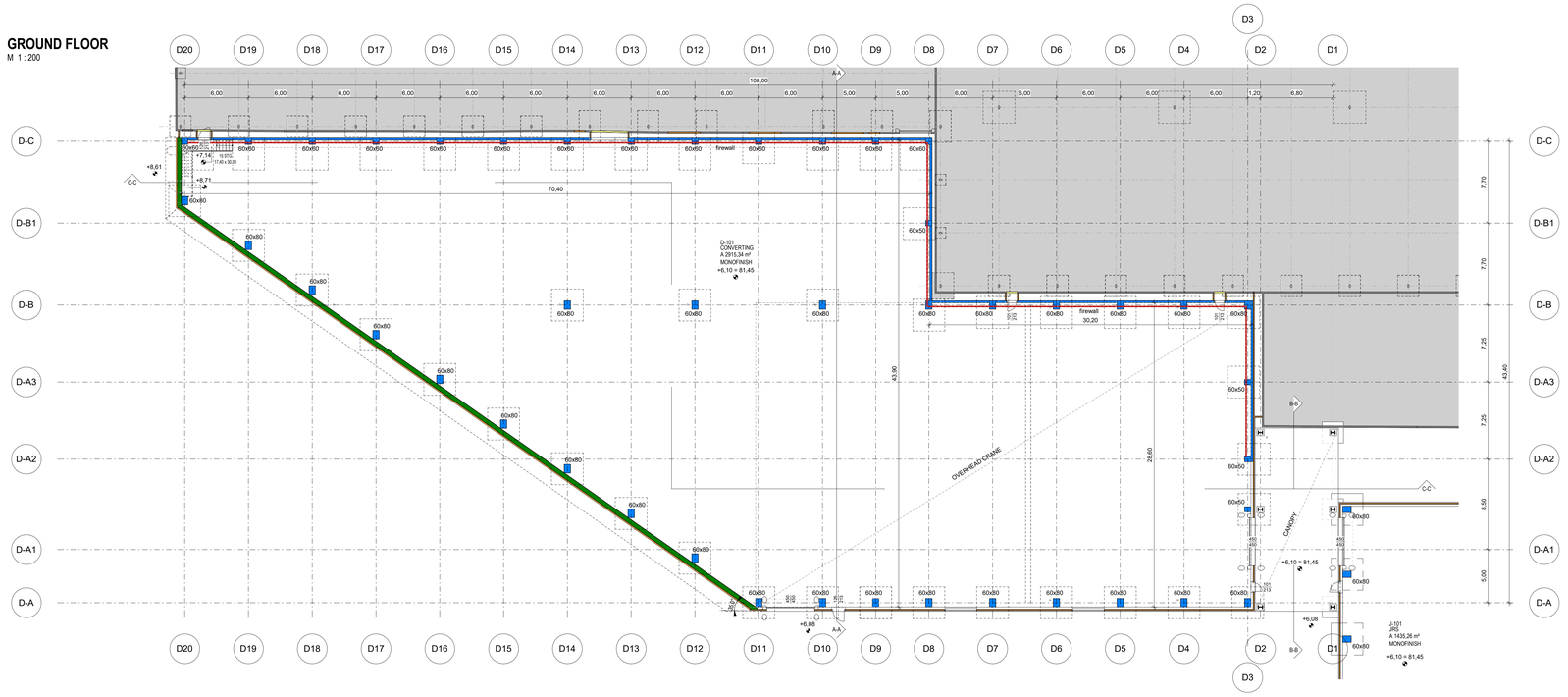
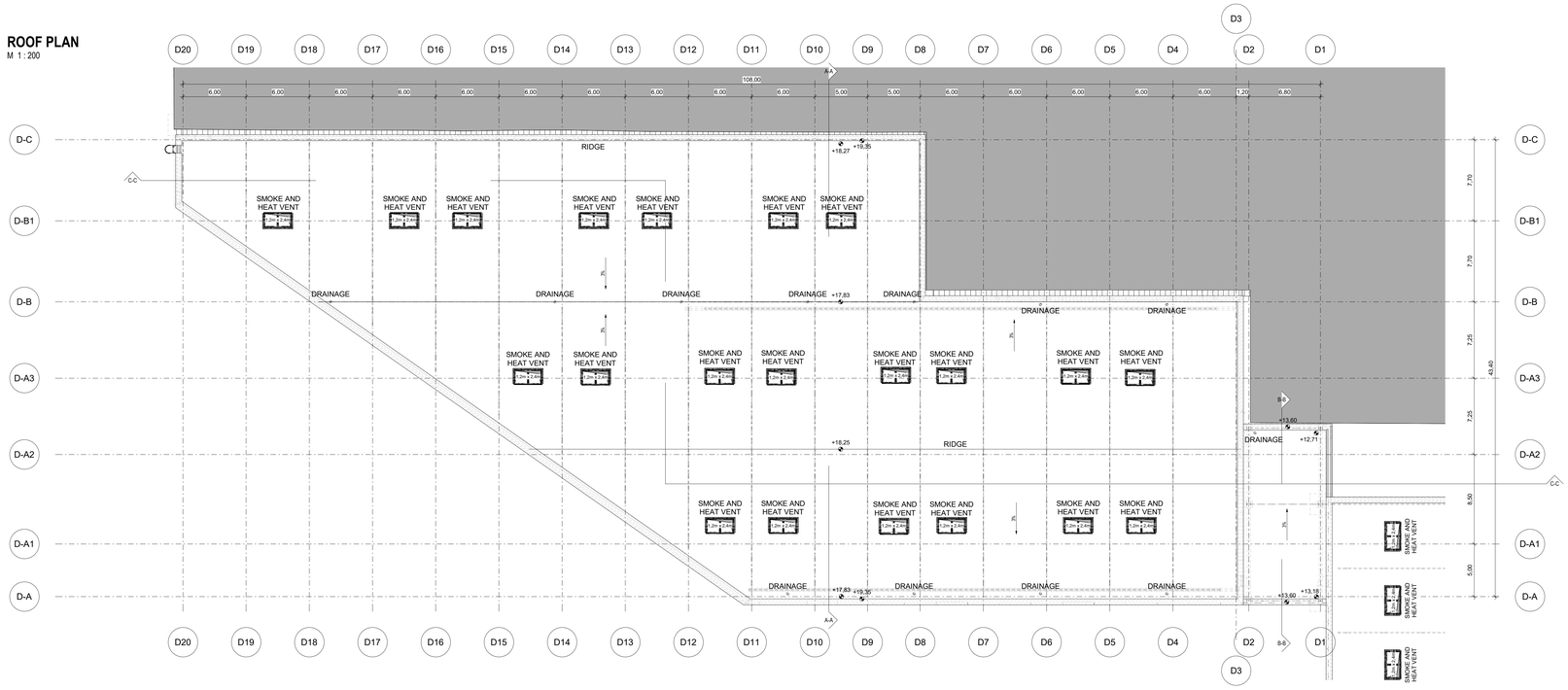
GROUND FLOOR
M 1 : 200



ROOF PLAN
M 1 : 200



KEY FIRE COMPARTMENTS

FIRE COMPARTMENT	

KEY MATERIALS

REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
PLASTERBOARD	HEAT INSULATION RIGID	GLASS
EXISTING BUILDING	DEMOLITION	

KEY ROOM

TFF= TOP FINISH FLOOR	RH = ROOM HEIGHT	
TRS= TOP ROUGH SLAB	CH = CLEAR HEIGHT	
A = AREA	TLP = TOP LEVEL PARAPETE	
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL	

RH, CH, TLP, BLL, TFF, TRS

INDEX	DATE	DRAWN	MODIFICATION

BASIC DESIGN

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MILL SITE ±0,00m = 75,35m ABOVE SEA LEVEL

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: D - CONVERTING
GROUND VIEWS

PHASE: PLANNING APPLICATION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:200	MoO	12.12.2019
PLAN NO.	INDEX	CHECKED	SIZE
51104-1001	-	KoM	1189 x 841

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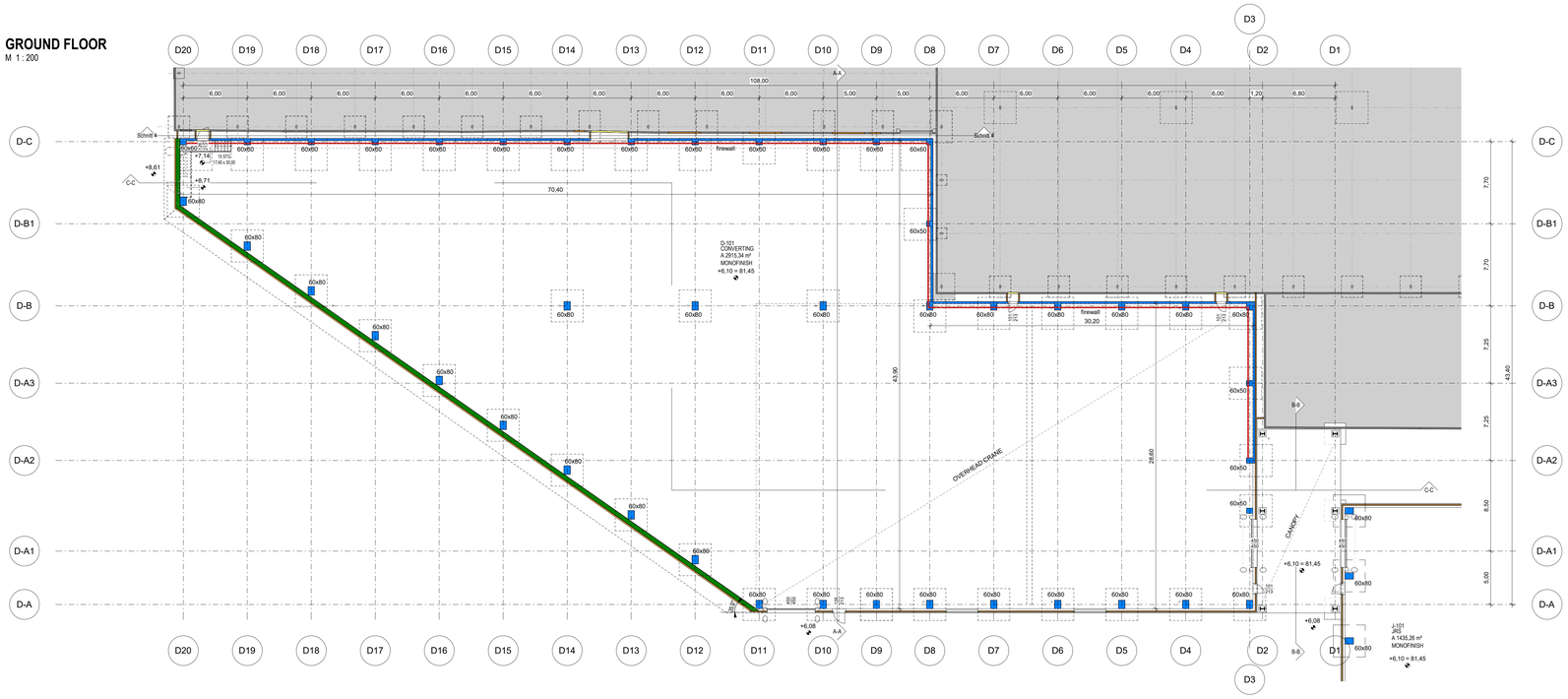
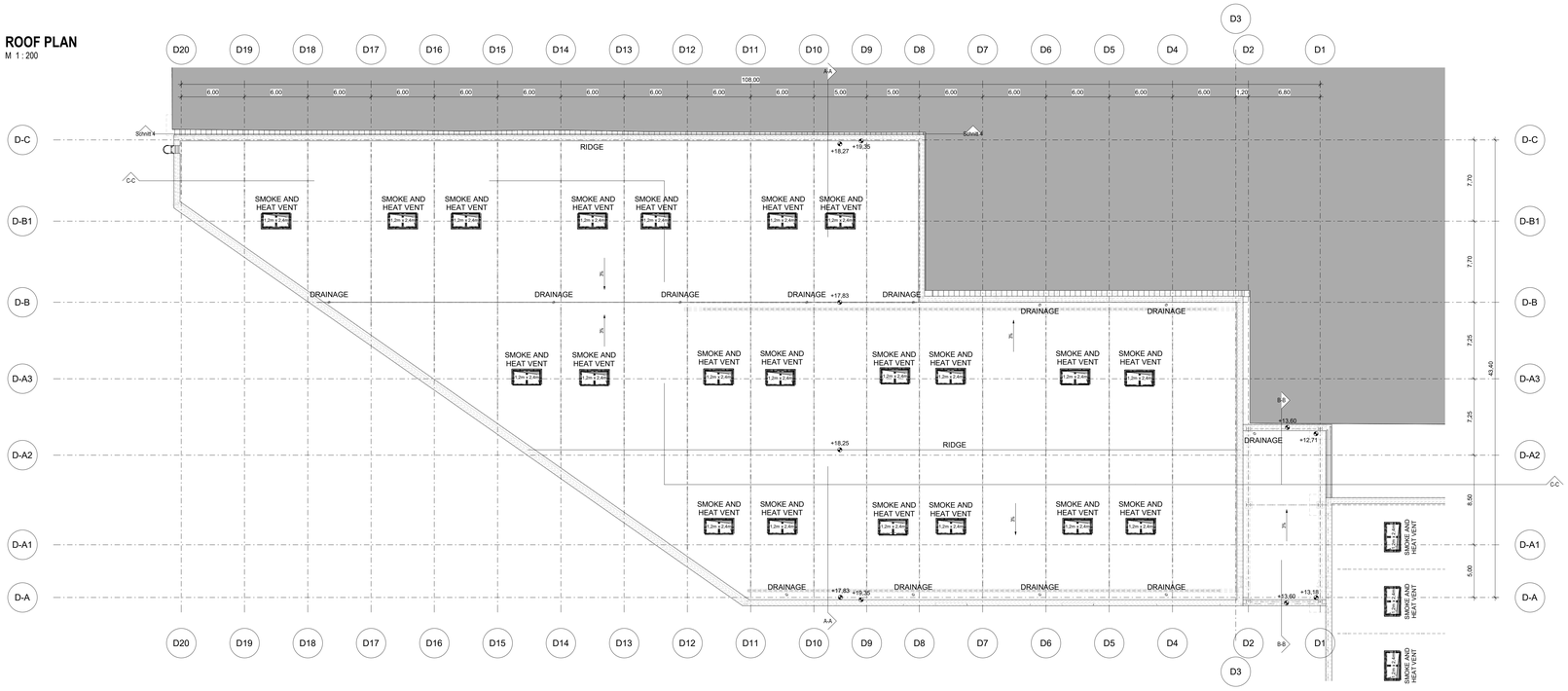
GROUND FLOOR
M 1 : 200



ROOF PLAN
M 1 : 200



KEY FIRE COMPARTMENTS	
FIRE COMPARTMENT	

KEY MATERIALS		
REINFORCED CONCRETE	PRECAST CONCRETE ELEMENT	HEAT INSULATION SOFT
BRICKWORK	PRECAST CONCRETE ELEMENT	SANDWICH PANEL
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EXISTING BUILDING	DEMOLITION	

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INDEX	DATE	DRAWN	MODIFICATION

BASIC DESIGN

N W E S

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Quorum CONSULTING ENGINEERS

MILL SITE ±0,00m = 75,35m ABOVE SEA LEVEL

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: D - CONVERTING
GROUNDFLOOR +-0,00, ROOF PLAN

PHASE: PRE - APPLICATION CONSULTATION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:200	MoO	15.10.2019
PLAN NO.	INDEX	CHECKED	SIZE
51104-1001	-	KoM	1709 x 841

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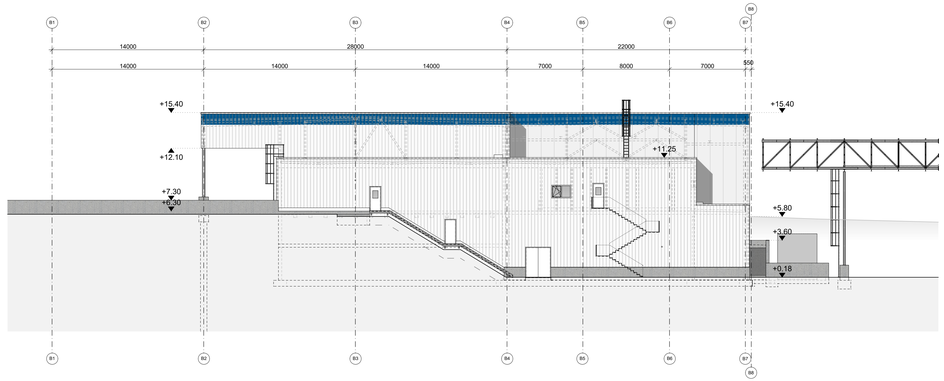
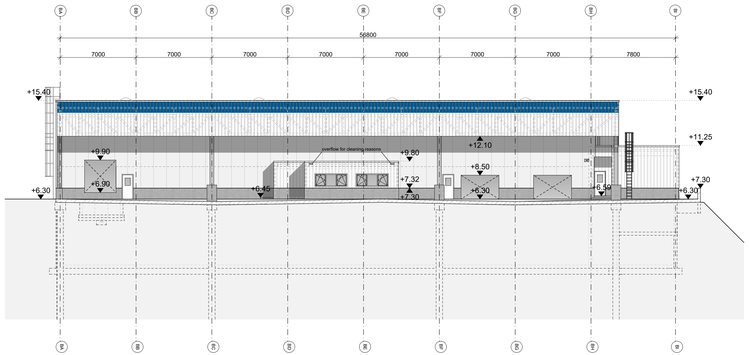
Fax +43 / 5522 / 46104, office@bhm-ing.com, www.bhm-ing.com

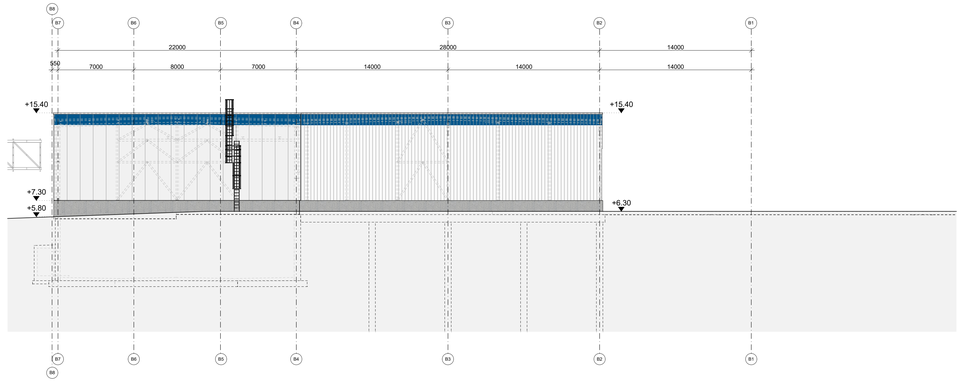
NORTH ELEVATION:



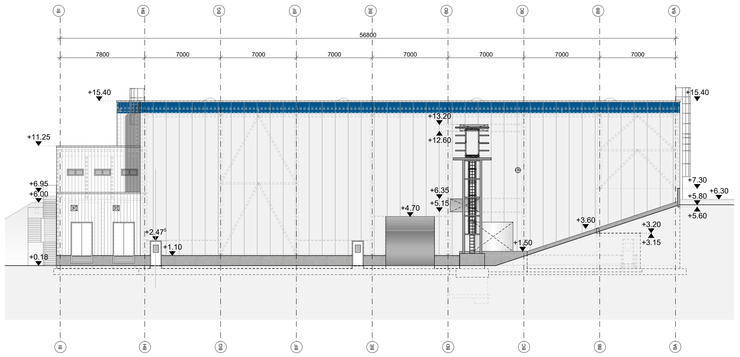
EAST ELEVATION:



SOUTH ELEVATION:



WEST ELEVATION:



REFERENCE DOCUMENT

INDEX	DATE	DRAWN	CHECKED	MODIFICATION
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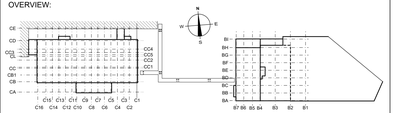
08				
07				
06				
05				
04				
03				
02				
01				

OVERVIEW:



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)

PROJECT: WEPA UK BRIDGEND

CONTENT OF PLAN: DEPT. A+B
bale handling + pulp storage
elevations
north + east + south + west

PHASE: FOR CONSTRUCTION

PROJECT NO.	SCALE	DRAWN	DATE
119003	1:200	SSC	15.12.2020
PLAN NO.	INDEX	CHECKED	SIZE
51302_ELE_2215	00	-	1189x497mm

PLAN NO. EXT.

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