

MANHOLE REFERENCE (SURFACE WATER)

MANHOLE No.	SOFFIT LEVEL	COVER LEVEL	M.H. DEPTH
S 1	-	-	2.270m
S 2	-	-	INTERCEPTOR
S 3			INTERCEPTOR
S 4	-	-	2.600m
S 5	-	-	2.820m
S 6	-	-	2.540m
S 7	-	-	2.530m
S 8	-	-	1.510m
S 15	-	-	1.625m
S 16	-	-	1.560m
S 17	-	-	1.820m
S 18	-	-	1.420m
S 19	-	-	1.570m
S 20	-	-	1.880m
S 21	-	-	1.480m
S 22	-	-	1.840m
S 23	-	-	1.590m
S 24	-	-	1.650m
S 25	-	-	1.560m
S 26	-	-	1.730m
S 27	-	-	1.540m
S 28	-	-	3.030m
S 29	-	-	3.050m
S 30	-	-	2.600m
S 31	-	-	2.270m
S 32	-	-	INTERCEPTOR
S 33			INTERCEPTOR
S 34	-	-	1.300m
S 35	-	-	1.300m
S 36	-	-	2.260m
S 37	-	-	1.890m
S 38	-	-	0.900m
S 39	-	-	1.800m
S 40	-	-	1.500m
S 41	-	-	0.650m
S 42	-	-	2.690m
S 43	-	-	2.870m
S 44	-	-	INTERCEPTOR
S 45	-	-	INTERCEPTOR
S 46			INTERCEPTOR
S 47			0.950m
S 48	-	-	1.100m
S 49	-	-	1.100m
S 50	-	-	1.910m
S 51	-	-	2.550m
S 52	-	-	-
S 53	-	-	1.300m
S 54	-	-	2.100m
S 55	-	-	1.990m
S 56	-	-	2.250m
S 57	-	-	2.170m
S 58	-	-	1.550m
S 59	-	-	0.500m
S 60	-	-	2.000m
S 61	-	-	1.650m
S 62	-	-	-
S 63	-	-	-
S 64	65.700m	-	-
S 65	65.600m	-	-
S 66	65.350m	-	-
S 67	65.210m	-	-
S 68	65.030m	-	-
S 69	64.880m	-	-
S 70	64.720m	-	-
S 71			INTERCEPTOR
S 72			INTERCEPTOR
S 73	-	-	-
S 74	65.660m	-	-
S 75	66.700m	67.500m	-
S 76	66.420m	67.800m	-
S 77	66.195m	68.790m	-
S 78	64.850m	65.560m	-
S 79	64.595m	65.570m	-
S 80	64.385m	65.900m	-
S 81	64.235m	-	-
S 82	65.925m	66.425m	-
S 83	65.800m	66.925m	-
S 84	65.750m	67.625m	-

MANHOLE REFERENCE (FOUL WATER)

MANHOLE No.	SOFFIT LEVEL	COVER LEVEL	M.H. DEPTH
F 1	-	-	0.710m
F 2	-	-	0.950m
F 3	-	-	2.270m
F 4			INTERCEPTOR
F 5			INTERCEPTOR
F 6			INTERCEPTOR
F 7	-	-	1.740m
F 8	-	-	1.230m
F 9	-	-	2.080m
F 10	-	-	0.900m
F 11	-	-	2.340m
F 12	-	-	2.520m
F 13	-	-	1.250m
F 14	-	-	1.880m
F 15	-	-	2.000m
F 16	-	-	3.300m
F 17	-	-	0.900m
F 18	-	-	1.795m
F 19	-	-	0.730m
F 21	-	-	0.300m
F 22	-	-	1.150m
F 23	63.368m	66.020m	-
F 24	64.200m	-	-
F 25	64.425m	-	-
F 26	65.915m	65.800m	-
F 27	66.370m	-	-
F 28	65.311 IN,65.461 OUT	-	-
F 29	65.448m	67.800m	67.800m
F 30	65.015m	66.900m	66.900m
F 31	64.706m	65.900m	65.900m
F 32	64.540m	65.940m	65.940m

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notes :

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- 150mm Ø ——— SURFACE WATER DRAIN
- 150mm Ø ——— FOUL DRAIN
- 150mm Ø ——— LAND DRAIN
- CHANNEL DRAIN
- CONCRETE ENCASEMENT
- SWMH SURFACE WATER MANHOLE
- LDMH LAND DRAIN MANHOLE
- FWMH FOUL WATER MANHOLE
- FWMHA INTERNAL FOUL WATER MANHOLE
- CP CATCHPIT MANHOLE
- G GULLY
- IG INTERNAL GULLY (SI'S)
- RWP RAINWATER PIPE
- SDP SYPHONIC DOWNPIPE
- RE RODDING EYE
- SVP SOIL VENT PIPE (INCLUDES RE)
- CL COVER LEVEL
- IL INVERT LEVEL
- BD BACK DROP
- SB SLOW RADIUS BEND
- HB HYDRO BRAKE

rev	amendments	by	ckd	date

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Client

Project
Ammonia Installation,
Barnsley 2008

Title
Drainage Layout

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:500
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number
15777 / A0 / 0007

Rev
-

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Site Block Plan
Scale 1:1250

25m SCALE 1:1250

rev.	amendments	by	chkd	date

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Client

Project: Amonia Installation, Barnsley 2008

Title: Location Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 /A1 / 0001
Rev: -

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N

Site Block Plan

Scale 1:1250

25m SCALE 1:1250

rev	amendment	by	chd	date

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Client: SISI

Project: Amonia Installation, Barnsley 2008

Title: Location Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 /A1 / 0001

Rev: -

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N

Site Block Plan
Scale 1:1250

25m SCALE 1:1250

rev	action/drawn/ck	by	ckd	date

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Client: SIST

Project: Amonia Installation, Barnsley 2008

Title: Location Plan

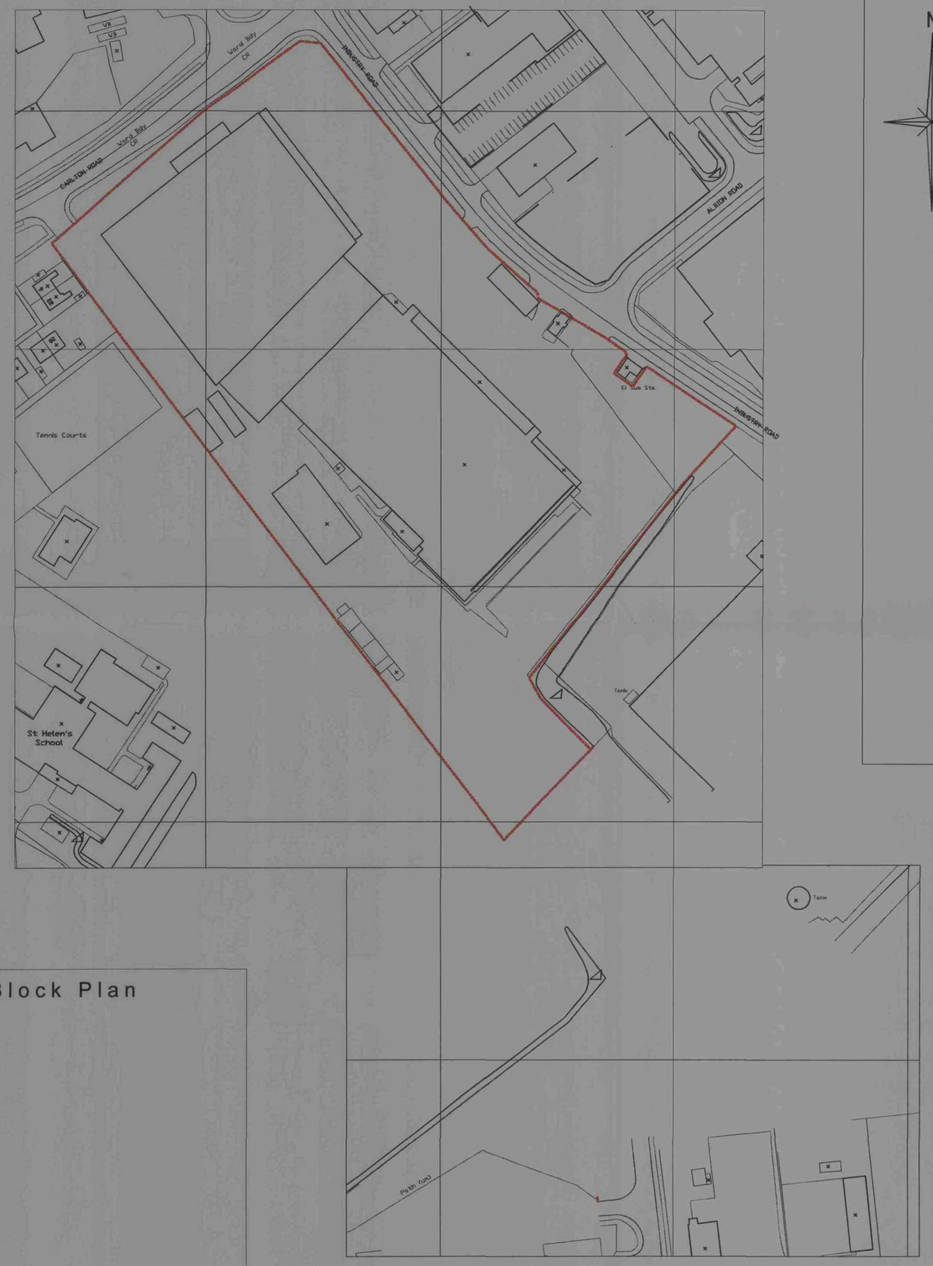
Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 /A1 / 0001
Rev: -

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N

Site Block Plan
Scale 1:1250

25m SCALE 1:1250

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Project Amonia Installation, Barnsley 2008

Title Location Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

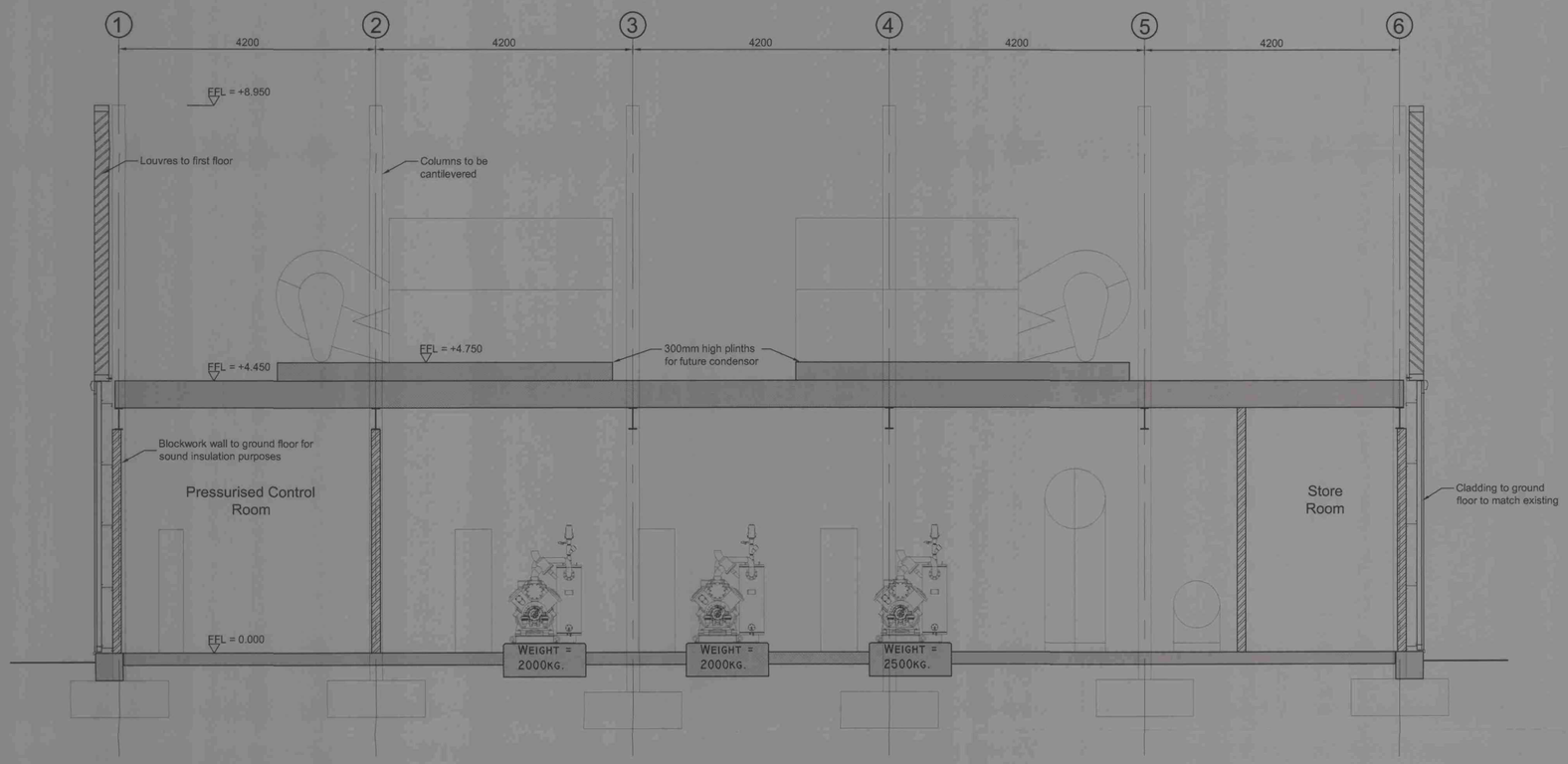
Drawing Number 15777 / A1 / 0001

Rev -

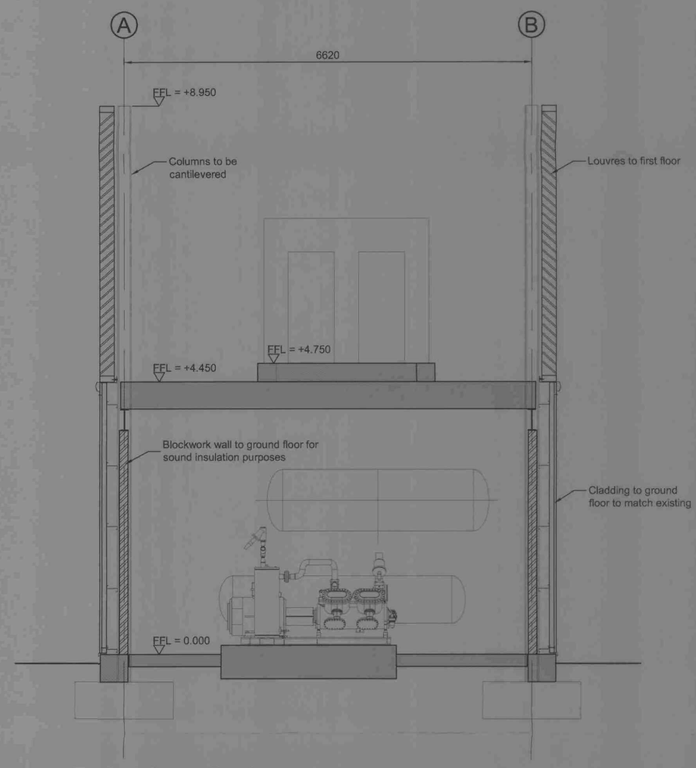
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Typical Long Section
1:50



Typical Cross Section
1:50

1m SCALE 1:50

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Client GIST

Project Ammonia Installation, Barnsley 2008

Title Typical Sections

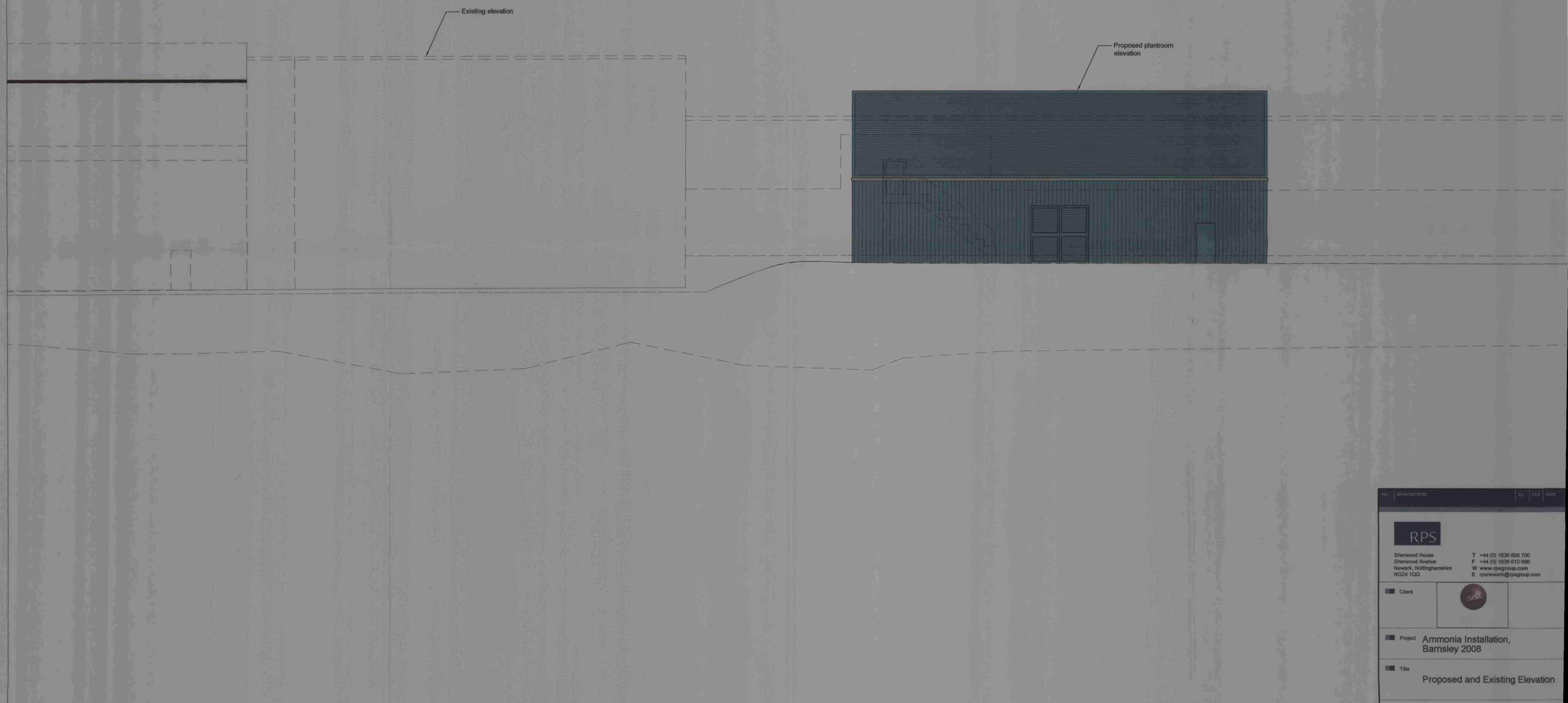
Drawing Status	Date Created	Drawing Scale
Preliminary	22.05.2008	1:50
Project Leader	Drawn By	Initial Review
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Drawing Number 15777 / A1 / 0006 Rev -

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Client GTSI

Project Ammonia Installation, Barnsley 2008

Title Proposed and Existing Elevation

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:100
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number 15777 / A1 / 0005

Rev -

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East Elevation
1:50



North Elevation
1:50



West Elevation
1:50



South Elevation
1:50

rev	amendments	by	chkd	date
A	Pipe bridge added.	CMA	PCB	23.05.08

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Project: Ammonia Installation, Barnsley 2008

Title: Proposed Elevations

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

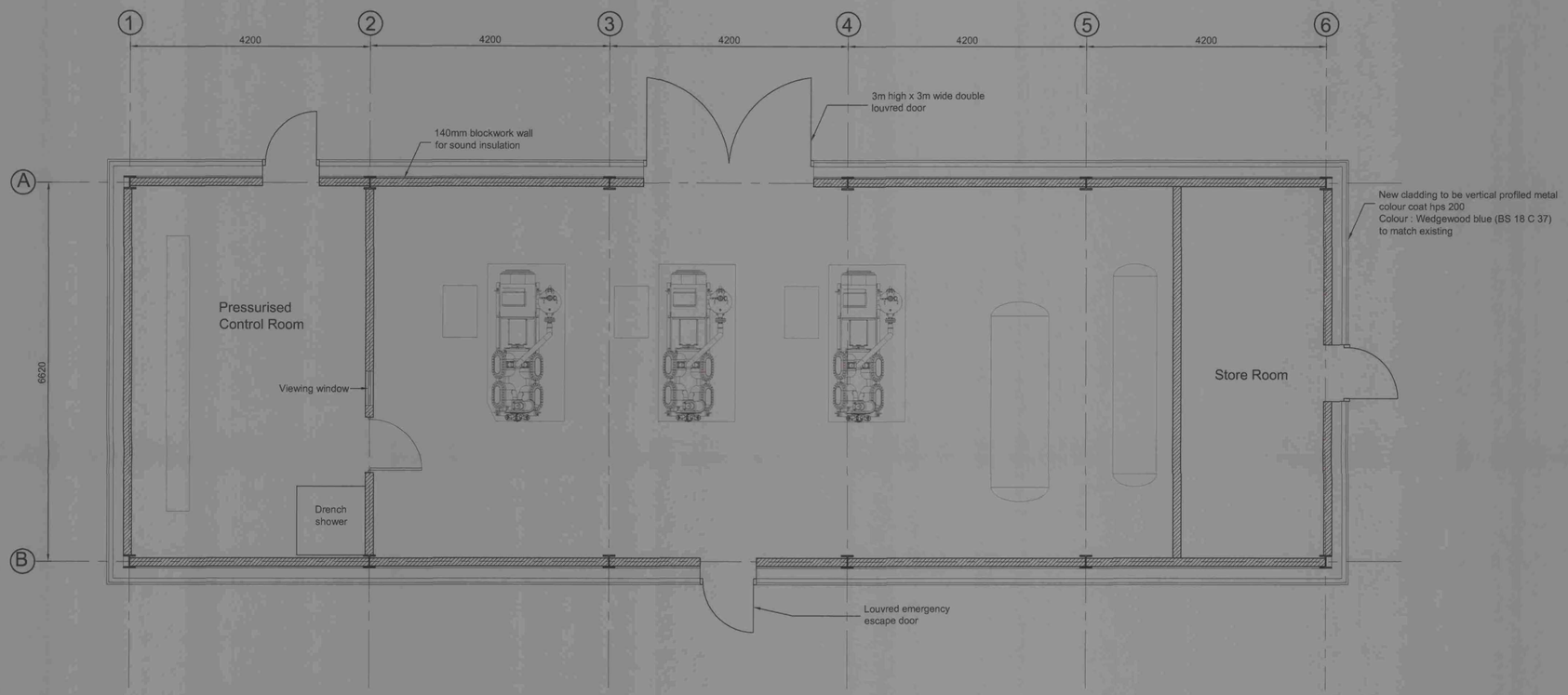
Drawing Number: 15777 / A1 / 0004

Rev: A

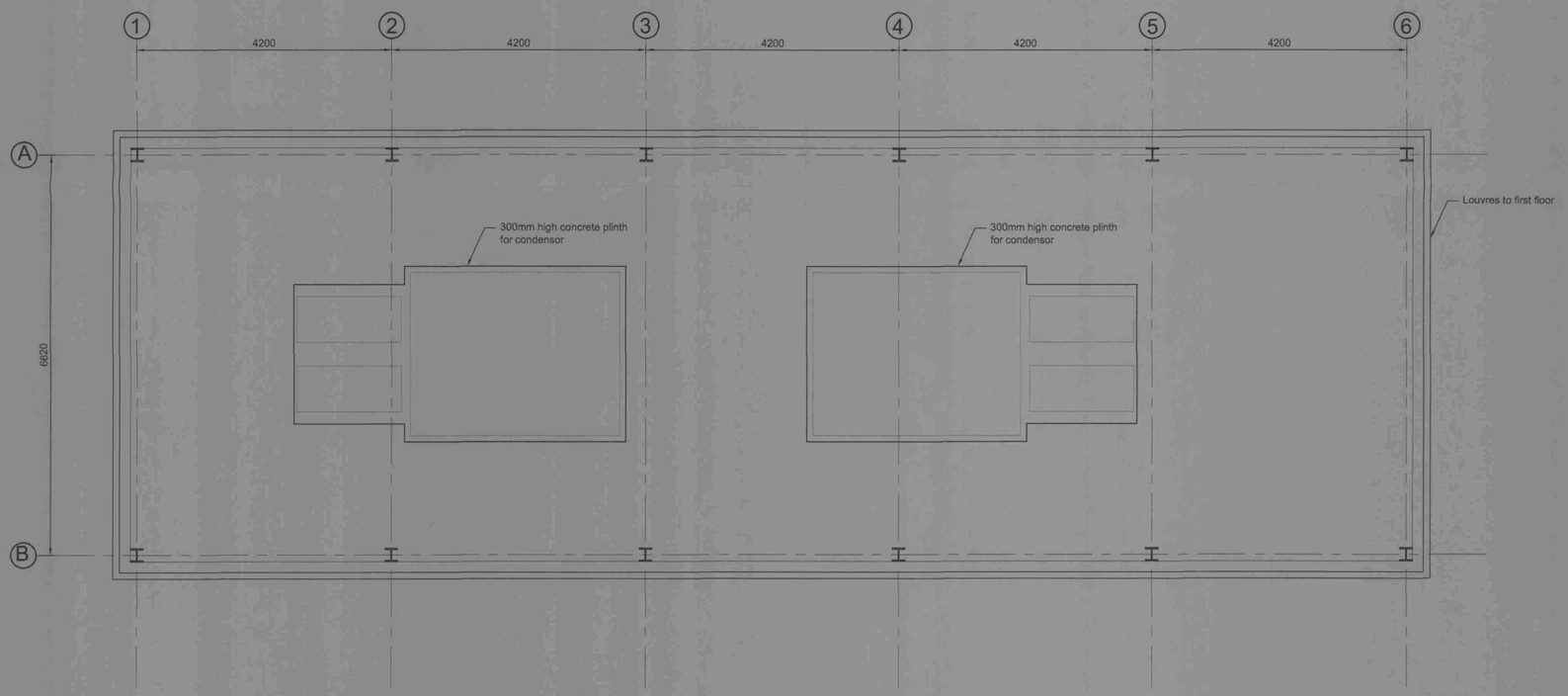
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Ground Floor Plan
1:50



First Floor Plan
1:50

rev	amendments	by	ckd	date
A	Note Amended.	CMA	PCB	23.05.08

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Client: GISL

Project: Ammonia Installation, Barnsley 2008

Title: Ground and First Floor Plan

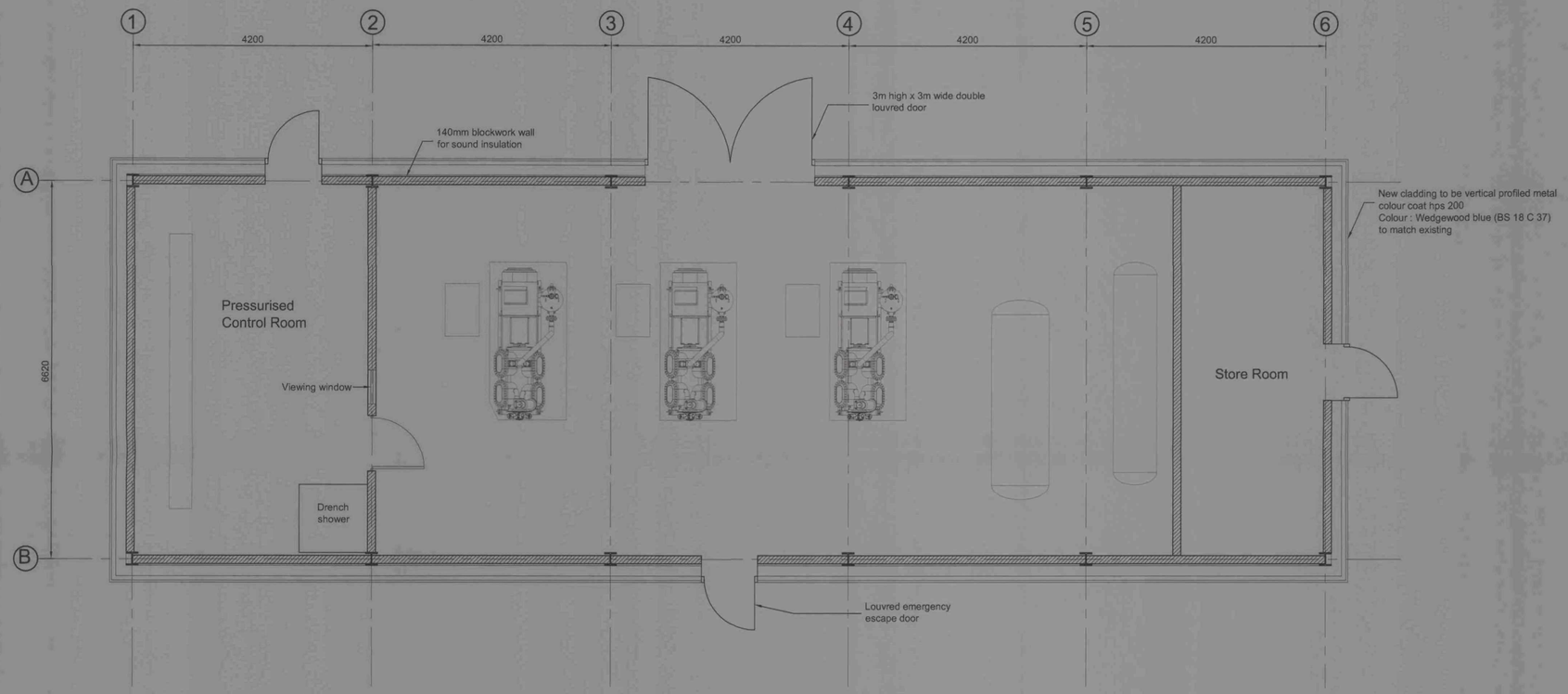
Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 / A1 / 0003
Rev: A

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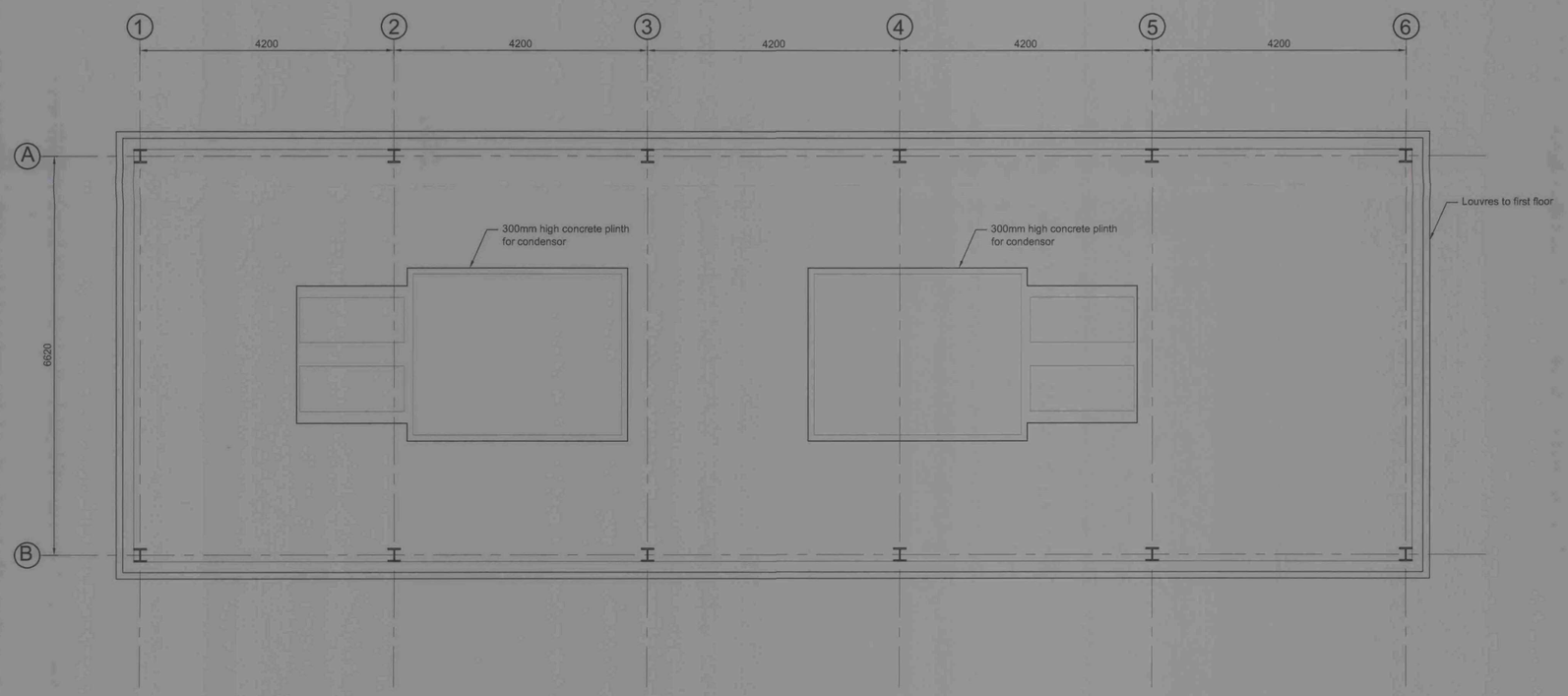
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Ground Floor Plan

1:50



First Floor Plan

1:50

rev	amendments	by	ckd	date
A	Note Amended.	CMA	PCB	23.05.08

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Project: Ammonia Installation, Barnsley 2008

Title: Ground and First Floor Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

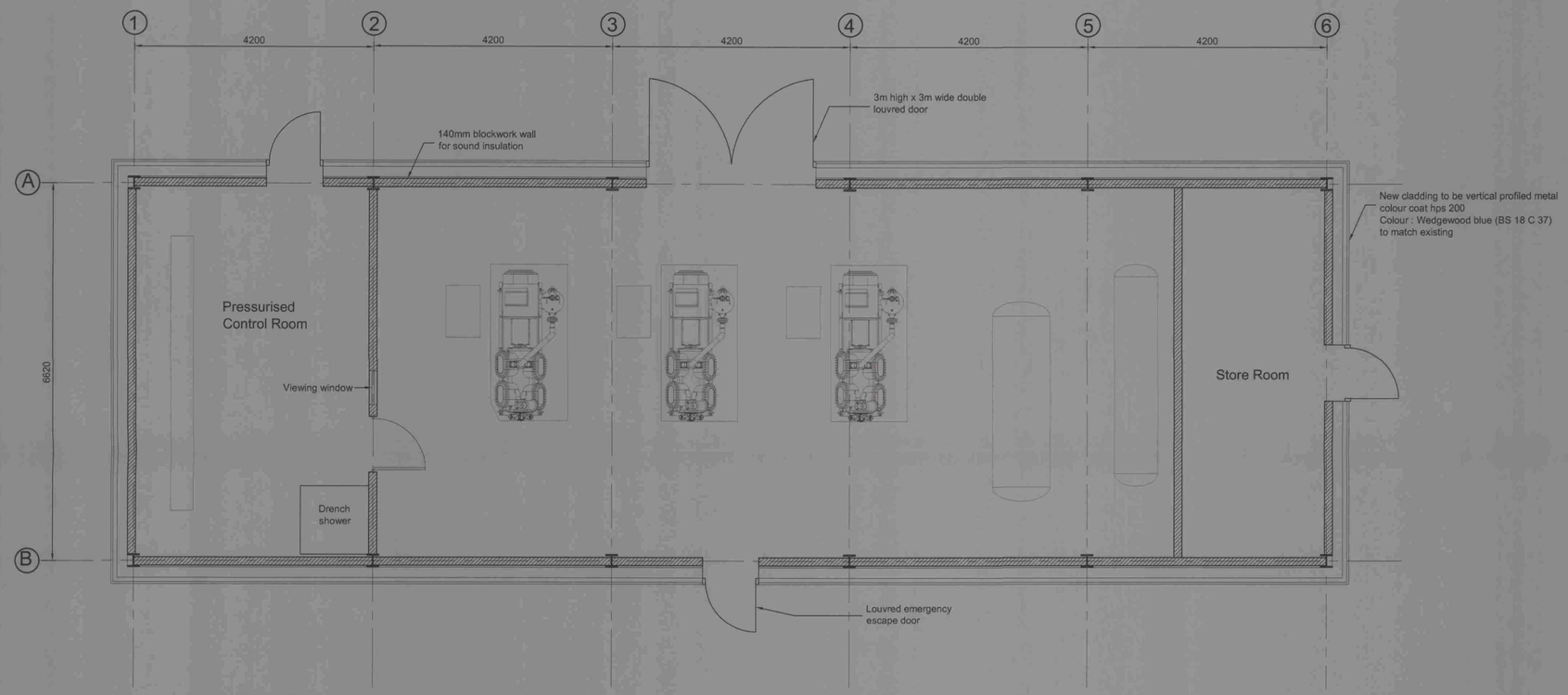
Drawing Number: 15777 / A1 / 0003

Rev: A

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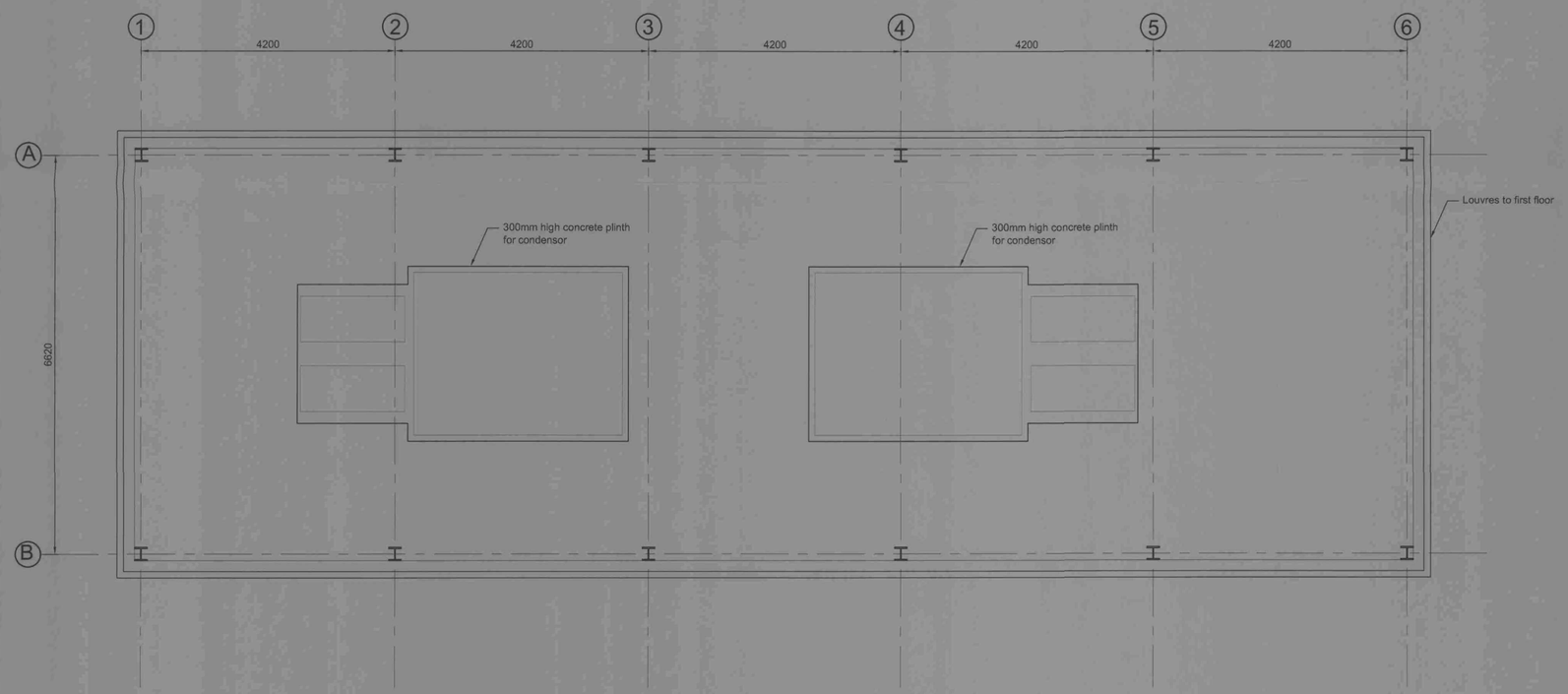
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Ground Floor Plan

1:50



First Floor Plan

1:50

rev	amendments	by	ckd	date
A	Note Amended.	CMA	PCB	23.05.08

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Client GISL

Project Ammonia Installation, Barnsley 2008

Title Ground and First Floor Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

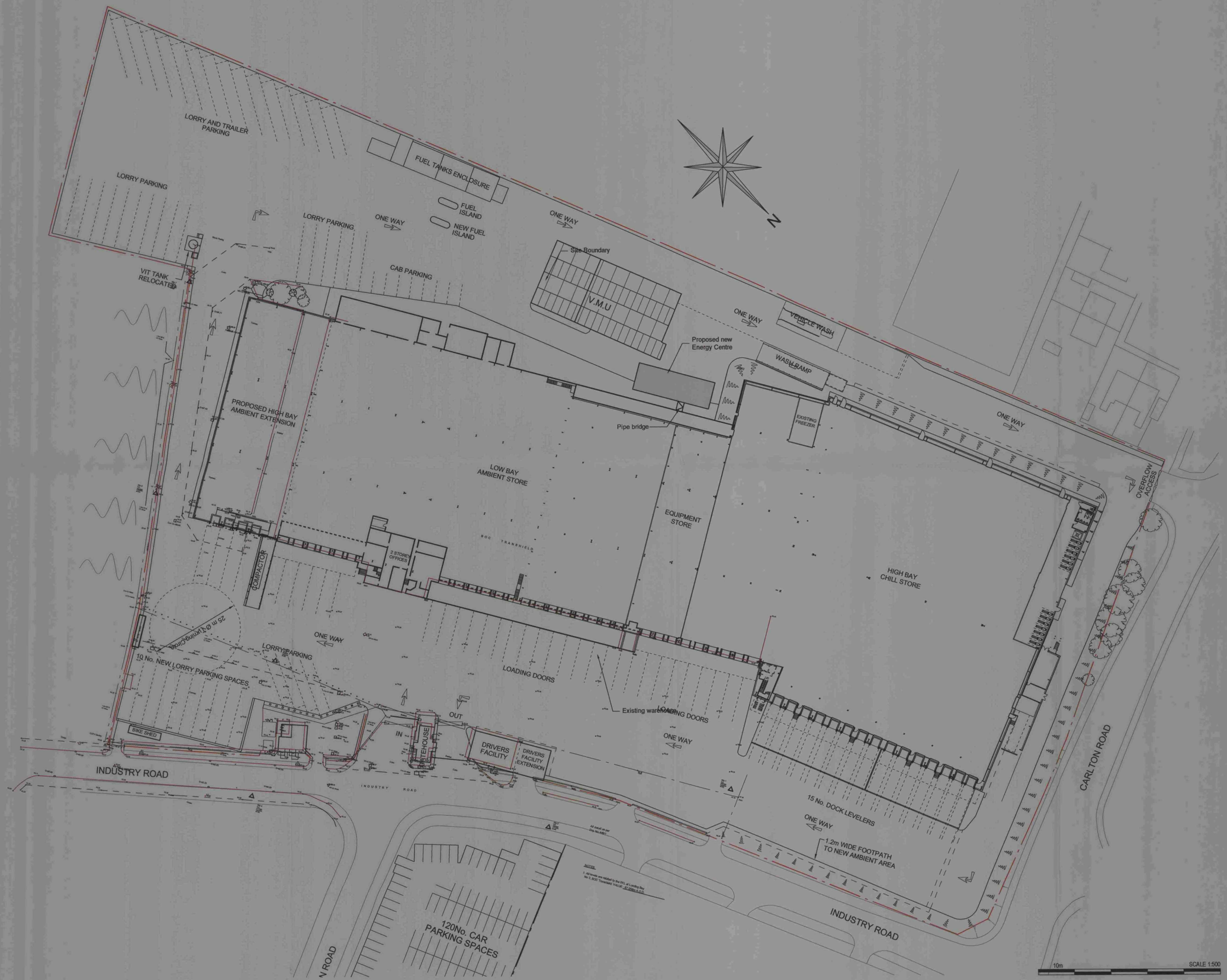
Drawing Number 15777 / A1 / 0003

Rev A

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rev	amendments	by	chkd	date
A	Pipe bridge added. Plant room enlarged.	CMA	PCB	23.05.08

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Client

Project: Ammonia Installation, Barnsley 2008

Title: Proposed Site Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:500
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 / A1 / 0002

Rev: A

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rev	amendments	by	ckd	date
A	Pipe bridge added. Plant room enlarged.	CMA	PCB	23.05.08

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Project: Ammonia Installation, Barnsley 2008

Title: Proposed Site Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:500
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 / A1 / 0002

Rev: A



MANHOLE REFERENCE (SURFACE WATER)

MANHOLE No.	SOFFIT LEVEL	COVER LEVEL	M.H. DEPTH
S 1	-	-	2.270m
S 2	-	-	INTERCEPTOR
S 3			INTERCEPTOR
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S 80	64.385m	65.900m	-
S 81	64.235m	-	-
S 82	65.925m	66.425m	-
S 83	65.800m	66.925m	-
S 84	65.750m	67.625m	-

MANHOLE REFERENCE (FOUL WATER)

MANHOLE No.	SOFFIT LEVEL	COVER LEVEL	M.H. DEPTH
F 1	-	-	0.710m
F 2	-	-	0.950m
F 3	-	-	2.270m
F 4			INTERCEPTOR
F 5			INTERCEPTOR
F 6			INTERCEPTOR
F 7	-	-	1.740m
F 8	-	-	1.230m
F 9	-	-	2.080m
F 10	-	-	0.900m
F 11	-	-	2.340m
F 12	-	-	2.520m
F 13	-	-	1.250m
F 14	-	-	1.880m
F 15	-	-	2.000m
F 16	-	-	3.300m
F 17	-	-	0.900m
F 18	-	-	1.795m
F 19	-	-	0.730m
F 21	-	-	0.300m
F 22	-	-	1.150m
F 23	63.368m	66.020m	-
F 24	64.200m	-	-
F 25	64.425m	-	-
F 26	65.915m	65.800m	-
F 27	66.370m	-	-
F 28	65.311 IN,65.461 OUT	-	-
F 29	65.448m	67.800m	67.800m
F 30	65.015m	66.900m	66.900m
F 31	64.706m	65.900m	65.900m
F 32	64.540m	65.940m	65.940m

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- 150mm Ø ——— SURFACE WATER DRAIN
- 150mm Ø ——— FOUL DRAIN
- 150mm Ø ——— LAND DRAIN
- CHANNEL DRAIN
- CONCRETE ENCASEMENT
- SWMH SURFACE WATER MANHOLE
- LDMH LAND DRAIN MANHOLE
- FWMH FOUL WATER MANHOLE
- FWMHA INTERNAL FOUL WATER MANHOLE
- CP CATCHPIT MANHOLE
- G GULLY
- IG INTERNAL GULLY (SI'S)
- RWP RAINWATER PIPE
- SDP SYPHONIC DOWNPIPE
- RE RODDING EYE
- SVP SOIL VENT PIPE (INCLUDES RE)
- CL COVER LEVEL
- IL INVERT LEVEL
- BD BACK DROP
- SB SLOW RADIUS BEND
- HB HYDRO BRAKE

rev	amendments	by	ckd	date

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Client

Project
Ammonia Installation,
Barnsley 2008

Title
Drainage Layout

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:500
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number
15777 / A0 / 0007

Rev
-

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Site Block Plan
Scale 1:1250

25m SCALE 1:1250

rev.	amendments	by	chkd	date

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Project: Amonia Installation, Barnsley 2008

Title: Location Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 /A1 / 0001
Rev: -

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N

Site Block Plan

Scale 1:1250

25m SCALE 1:1250

rev	amendment	by	chd	date

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Client: SISI

Project: Amonia Installation, Barnsley 2008

Title: Location Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 /A1 / 0001

Rev: -

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N

Site Block Plan
Scale 1:1250

25m SCALE 1:1250

rev	action/drawn/ck	by	ckd	date

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Client: SIST

Project: Amonia Installation, Barnsley 2008

Title: Location Plan

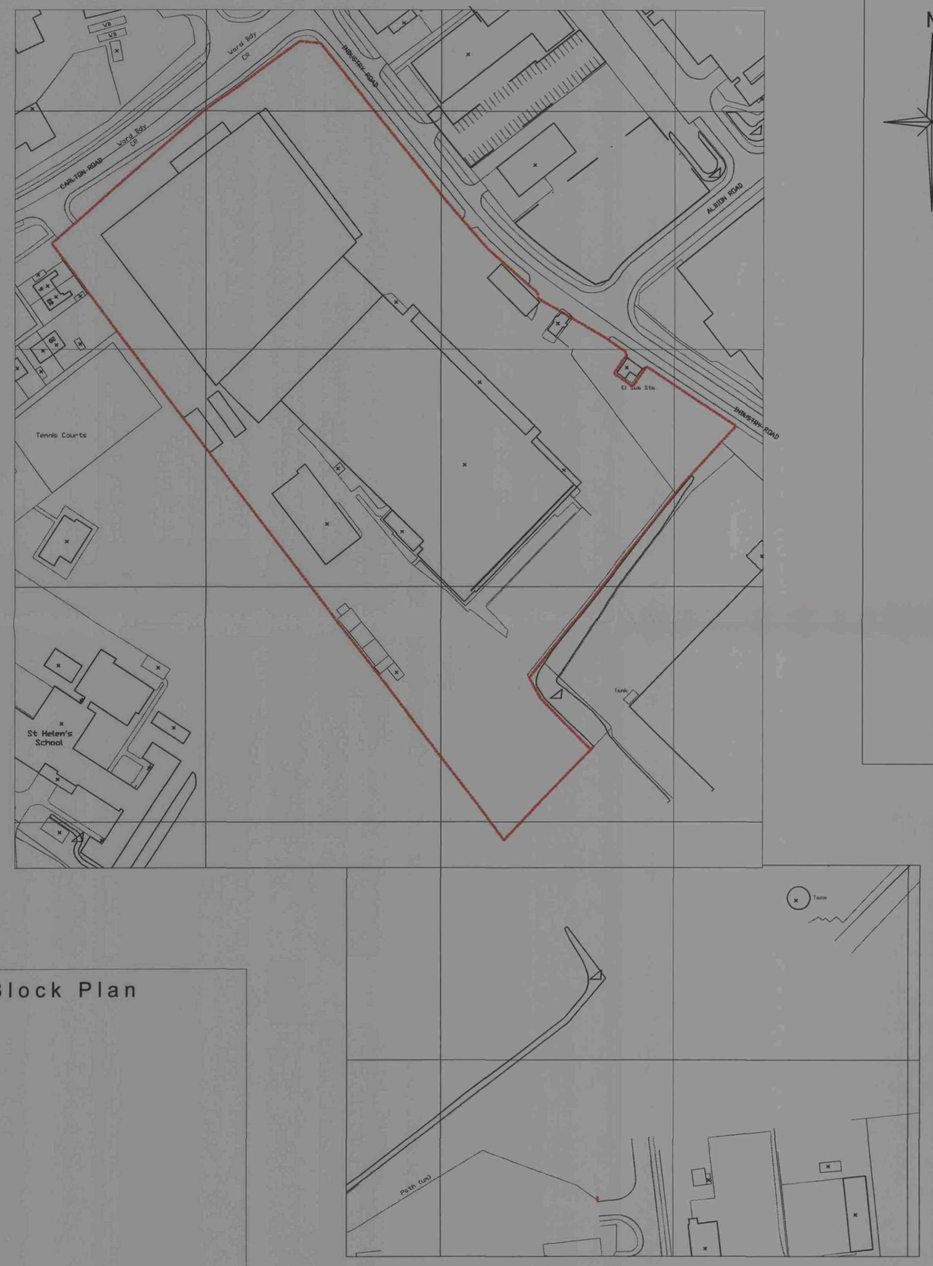
Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 /A1 / 0001
Rev: -

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N

Site Block Plan
Scale 1:1250

25m SCALE 1:1250

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Project Amonia Installation, Barnsley 2008

Title Location Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:1250
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

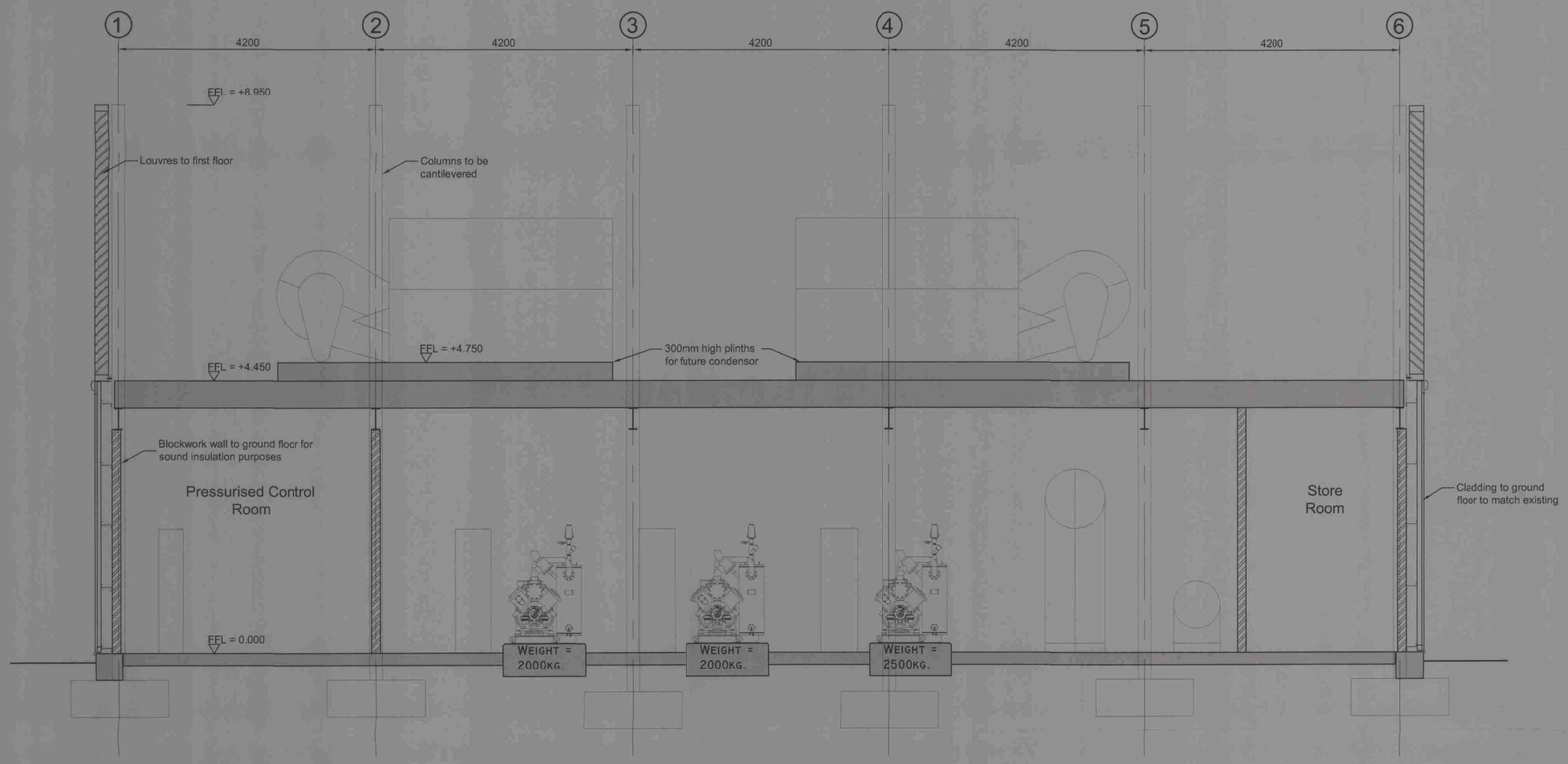
Drawing Number 15777 / A1 / 0001

Rev -

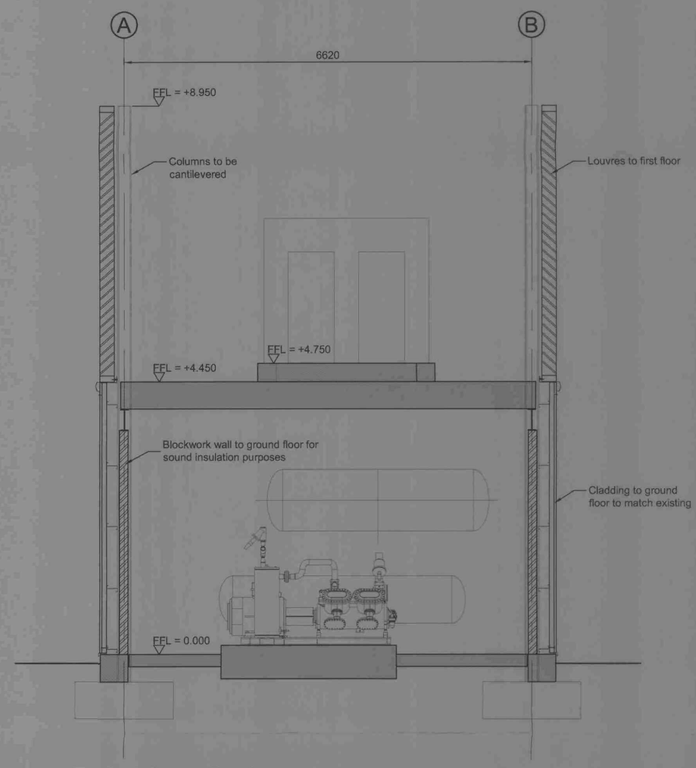
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Typical Long Section
1:50



Typical Cross Section
1:50

1m SCALE 1:50

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Client GIST

Project Ammonia Installation, Barnsley 2008

Title Typical Sections

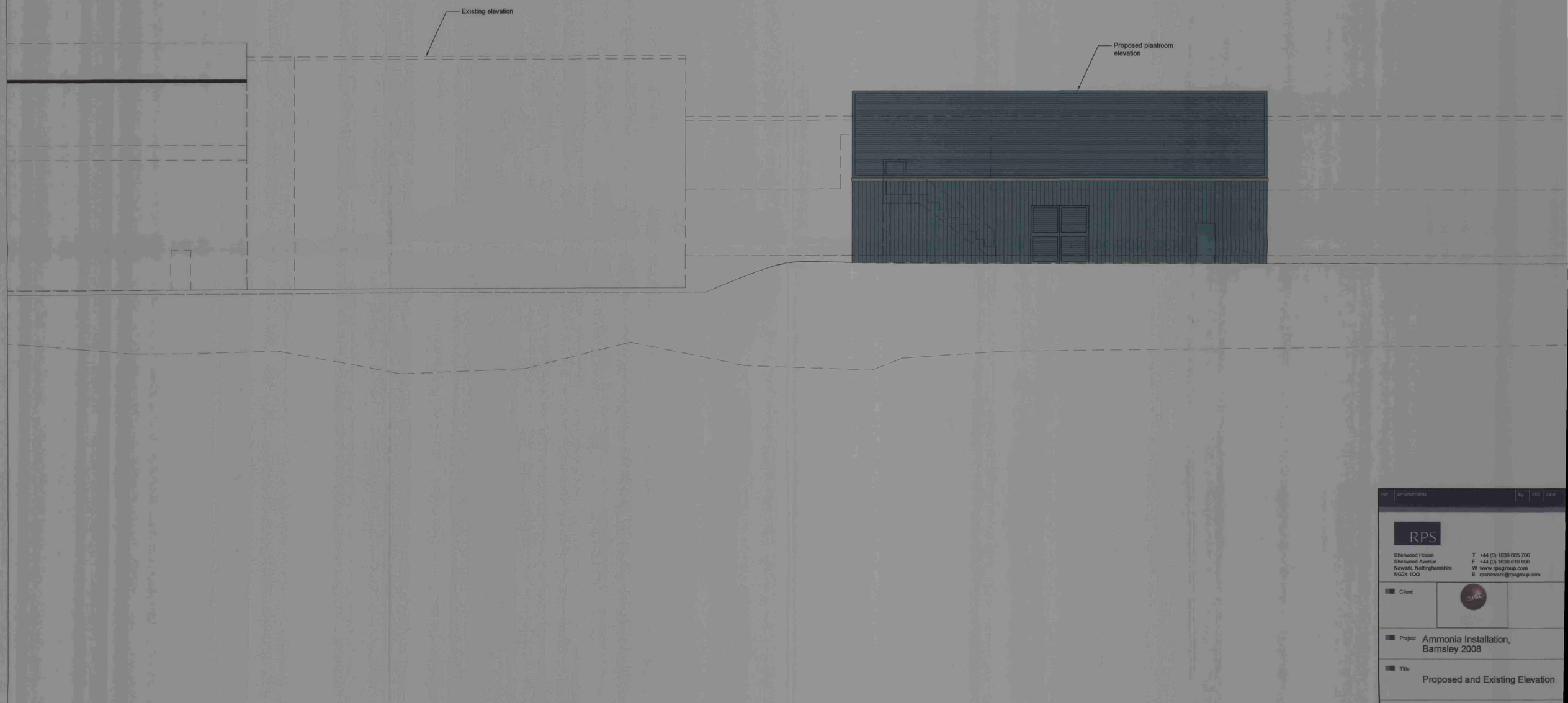
Drawing Status	Date Created	Drawing Scale
Preliminary	22.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number 15777 / A1 / 0006 Rev -

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Client GTSI

Project Ammonia Installation, Barnsley 2008

Title Proposed and Existing Elevation

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:100
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number 15777 / A1 / 0005

Rev -

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East Elevation
1:50



North Elevation
1:50



West Elevation
1:50



South Elevation
1:50

rev	amendments	by	chkd	date
A	Pipe bridge added.	CMA	PCB	23.05.08

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Client: gist

Project: Ammonia Installation, Barnsley 2008

Title: Proposed Elevations

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

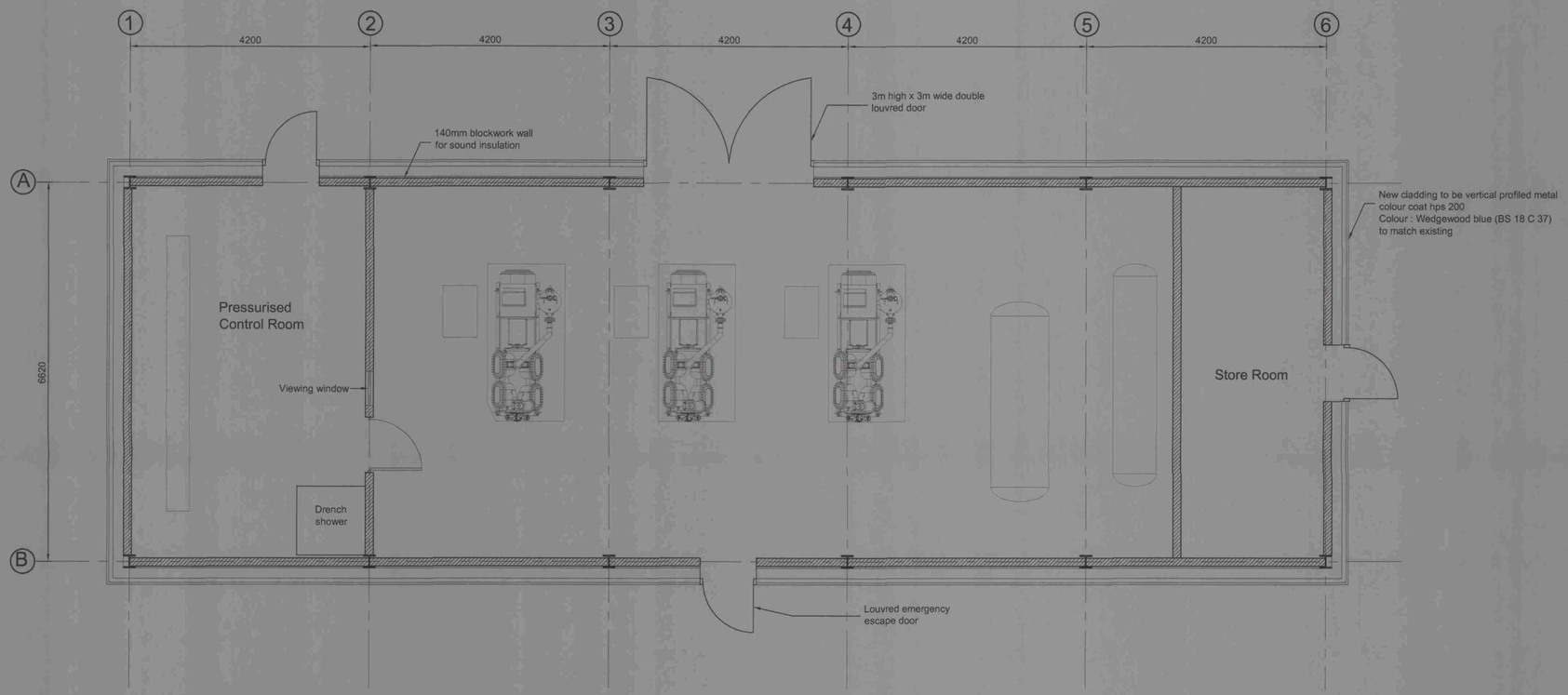
Drawing Number: 15777 / A1 / 0004

Rev: A

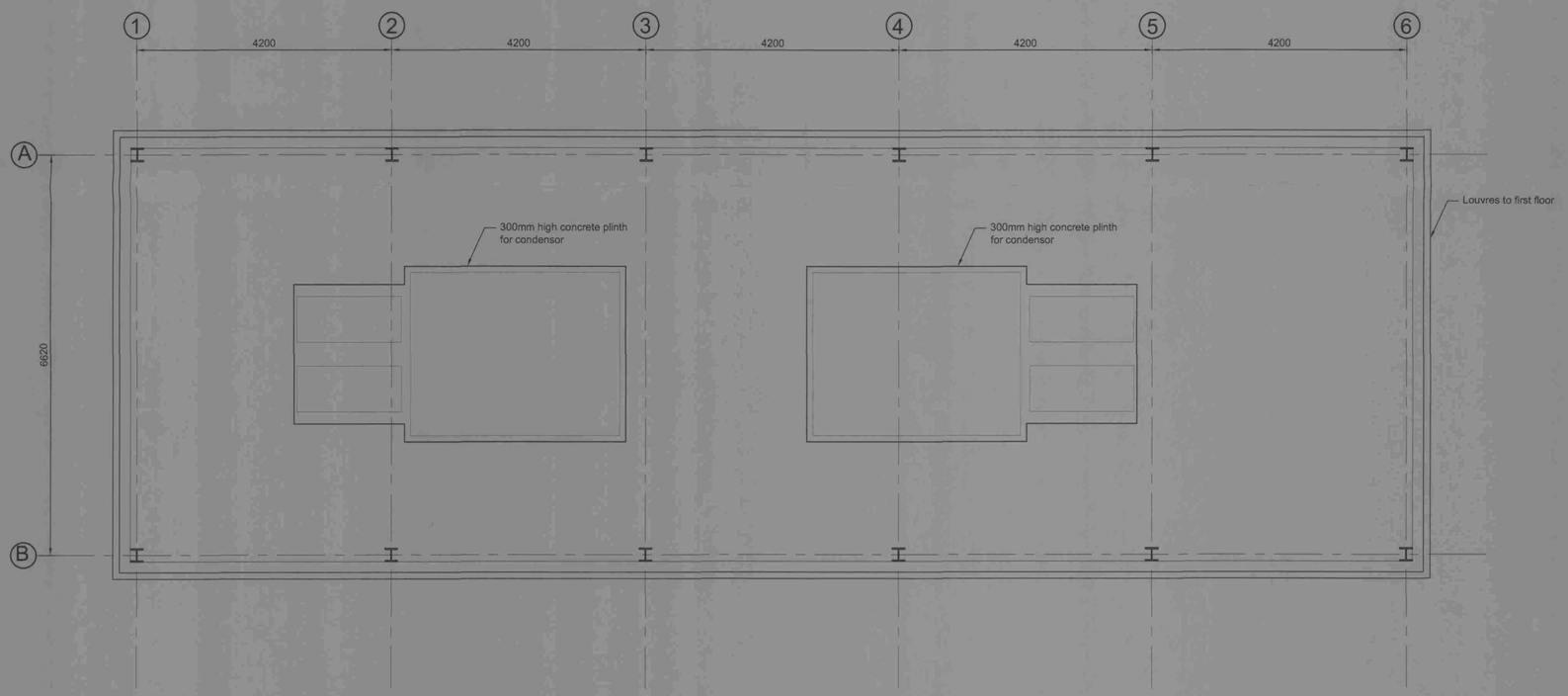
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Ground Floor Plan
1:50



First Floor Plan
1:50

rev	amendments	by	ckd	date
A	Note Amended.	CMA	PCB	23.05.08

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Client: GISL

Project: Ammonia Installation, Barnsley 2008

Title: Ground and First Floor Plan

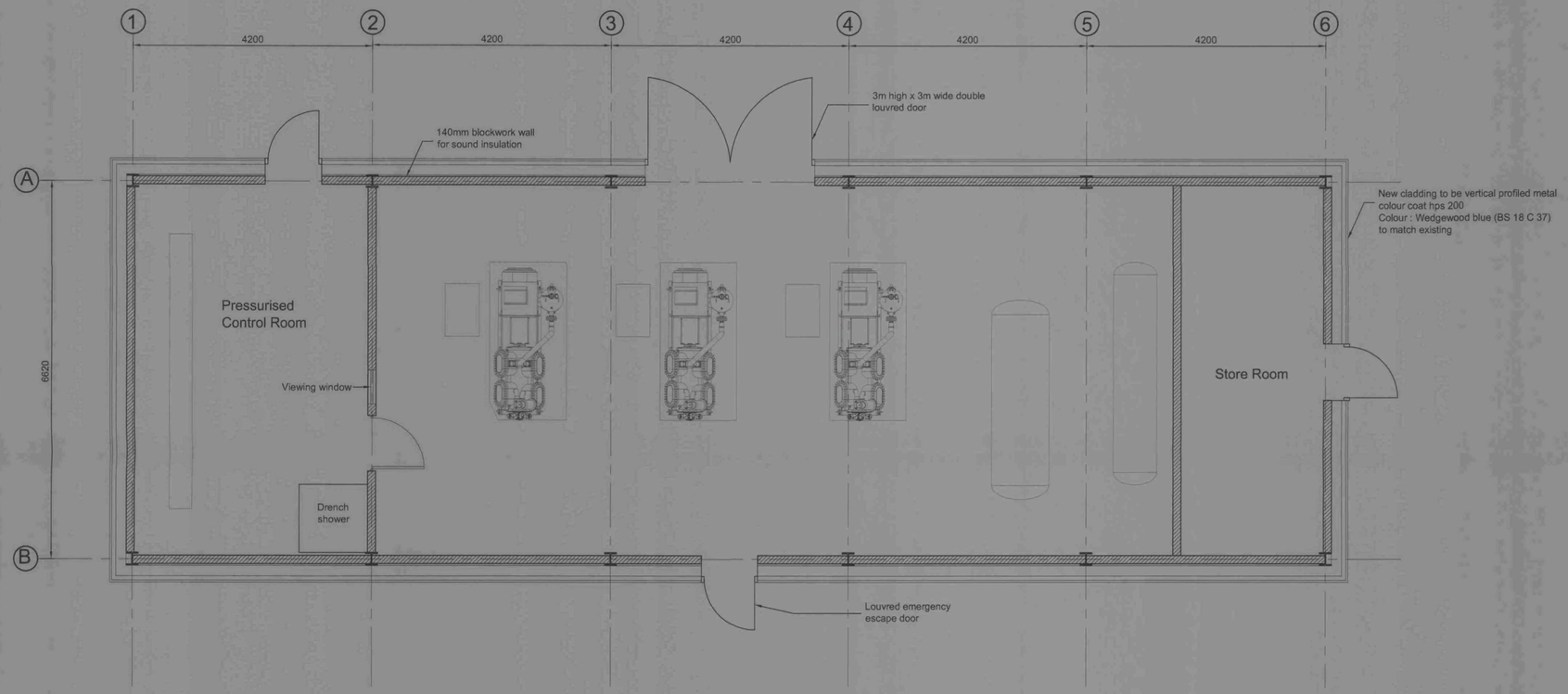
Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 / A1 / 0003
Rev: A

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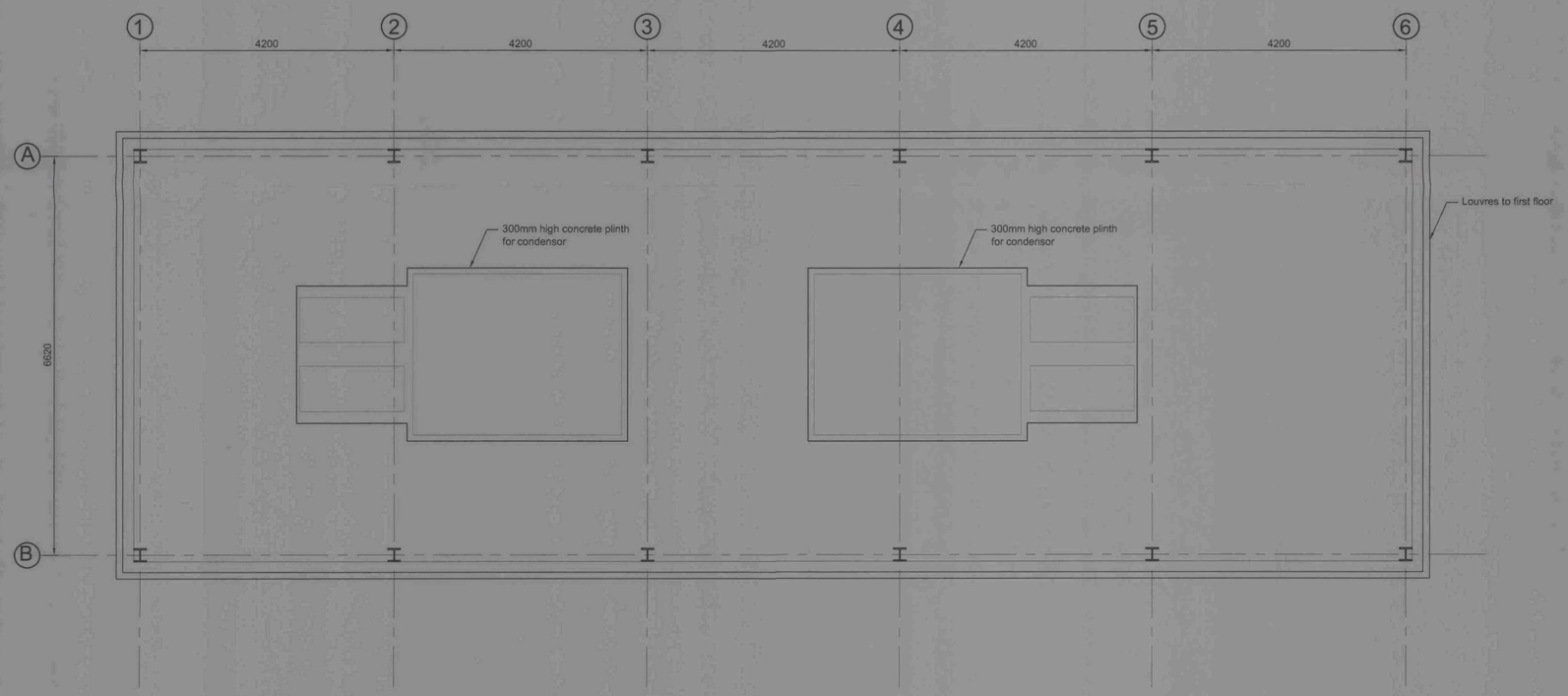
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Ground Floor Plan

1:50



First Floor Plan

1:50

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A	Note Amended.	CMA	PCB	23.05.08

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Title: Ground and First Floor Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

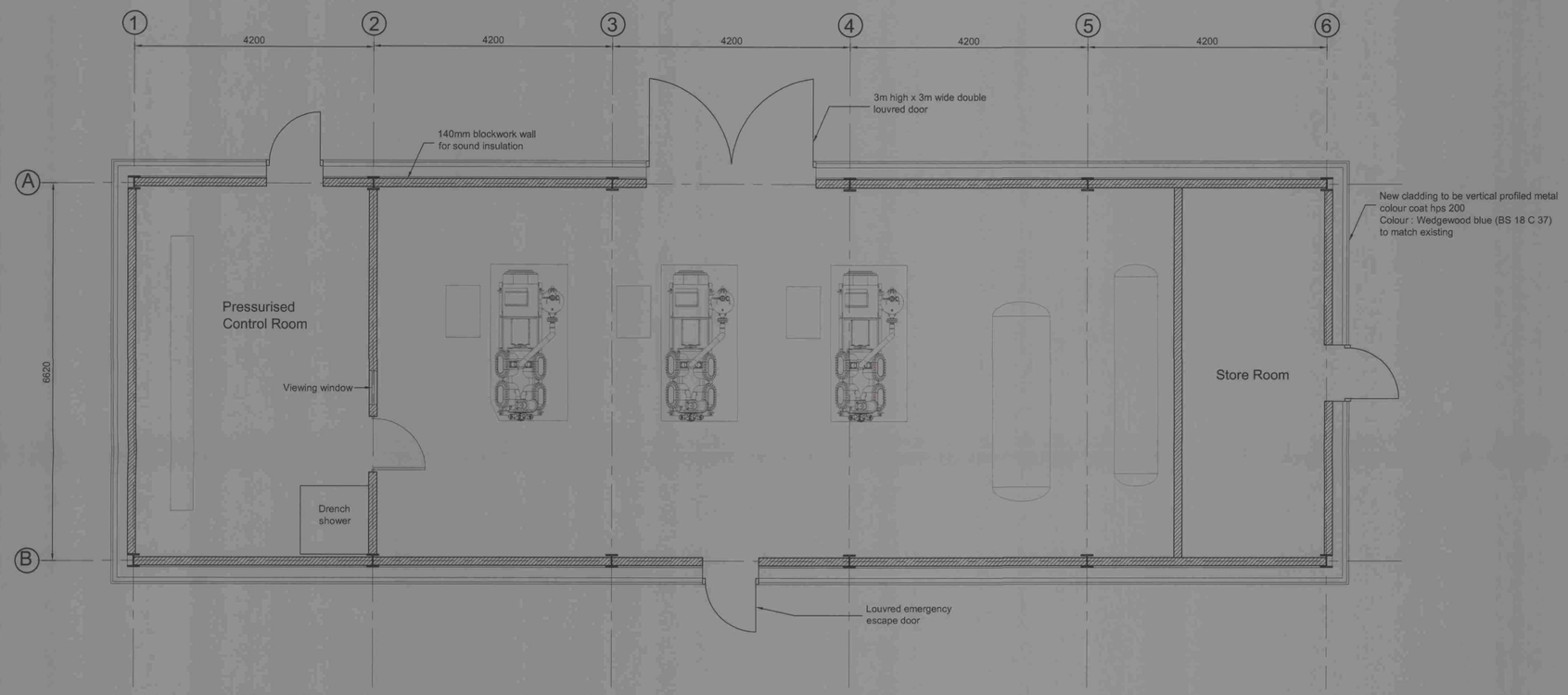
Drawing Number: 15777 / A1 / 0003

Rev: A

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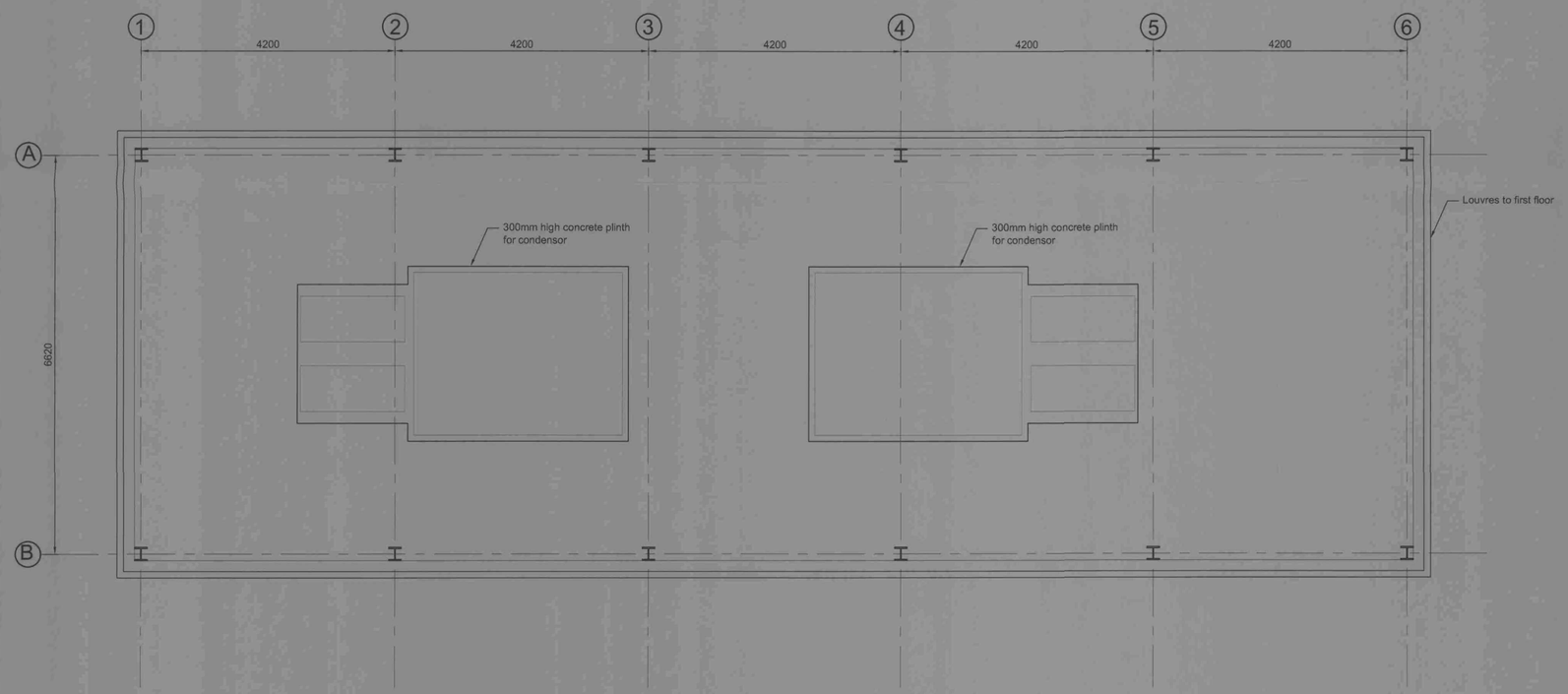
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Ground Floor Plan

1:50



First Floor Plan

1:50

rev	amendments	by	ckd	date
A	Note Amended.	CMA	PCB	23.05.08

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Client GISL

Project Ammonia Installation, Barnsley 2008

Title Ground and First Floor Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	21.05.2008	1:50
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

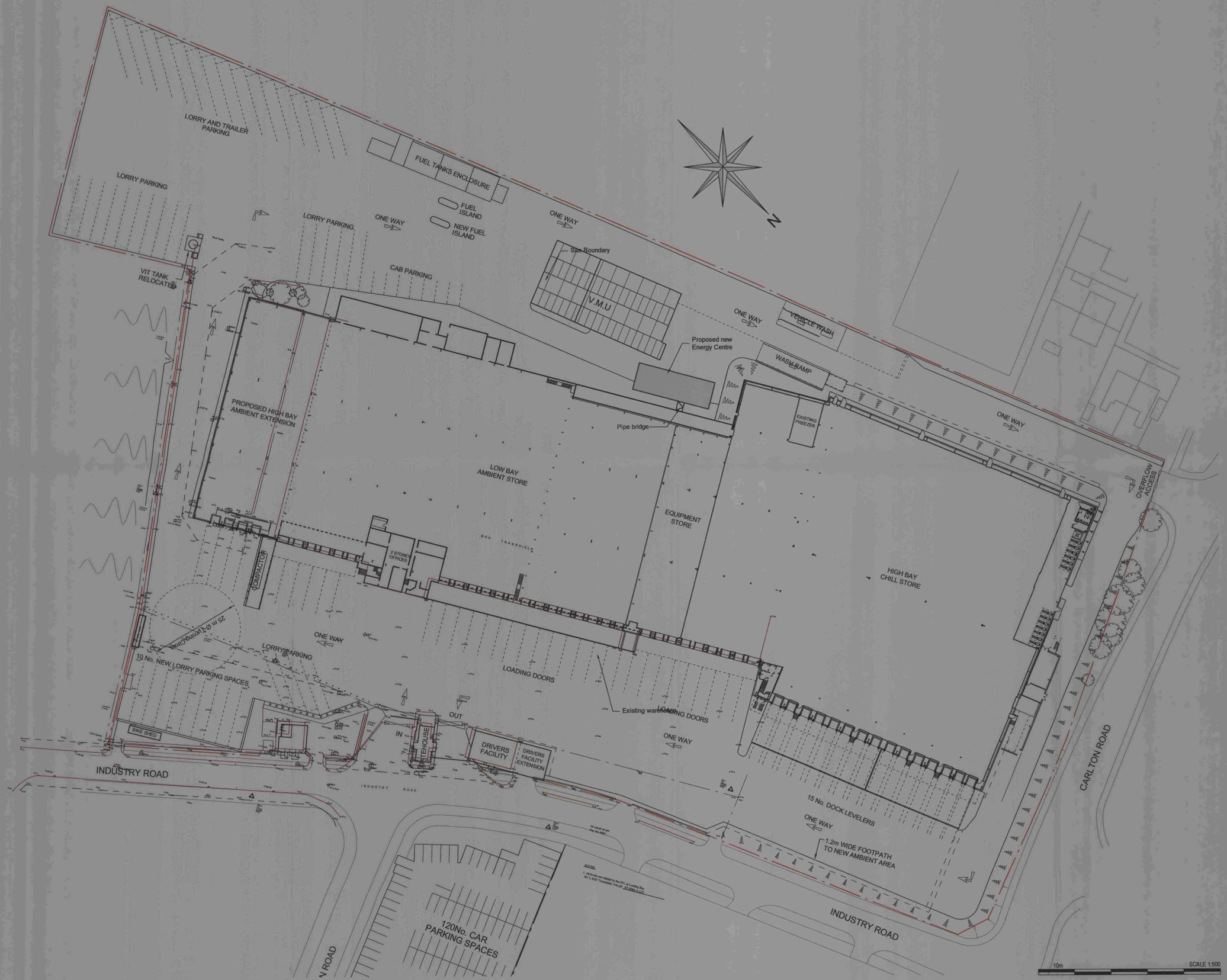
Drawing Number 15777 / A1 / 0003

Rev A

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rev	amendments	by	chkd	date
A	Pipe bridge added. Plant room enlarged.	CMA	PCB	23.05.08

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Project: Ammonia Installation, Barnsley 2008

Title: Proposed Site Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:500
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 / A1 / 0002

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rev	amendments	by	ckd	date
A	Pipe bridge added. Plant room enlarged.	CMA	PCB	23.05.08

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Project: Ammonia Installation, Barnsley 2008

Title: Proposed Site Plan

Drawing Status	Date Created	Drawing Scale
Preliminary	20.05.2008	1:500
Project Leader	Drawn By	Initial Review
ASD	CMA	PCB

Drawing Number: 15777 / A1 / 0002

Rev: A