

General Notes

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Schedule for cladding materials

1. Main cladding element to be Kingspan AWP KS1000 flat composite insulated cladding panel system. 1000mm module secret fixed laid at nominal 11 degrees incline to the vertical. Supported on secondary steel cladding rails set out in accordance with system requirements relative to specific application and site location and extent of exposure. Horizontal drip flashings to be incorporated at panel ends Colour RAL 7040.

2. Main cladding element to be Kingspan AWP KS1000 flat composite insulated cladding panel system. 1000mm module secret fixed laid at nominal 11 degrees incline to the horizontal. Supported on secondary steel cladding rails set out in accordance with system requirements relative to specific application and site location and extent of exposure. Vertical joints between panels to be set at 90 degrees (necessitating cut panels) and finished with proprietary top hat section. External finish -Kingspan XL Forte 'Symphony Collection' Coating System Colour RAL

2A. Main cladding element to be Kingspan AWP KS1000 flat composite insulated cladding panel system. 1000mm module secret fixed laid at nominal 9 degrees incline to the horizontal. Supported on secondary steel cladding rails set out in accordance with system requirements relative to specific application and site location and extent of exposure. Vertical joints between panels to be set at 90 degrees (necessitating cut panels) and finished with proprietary top hat section. External finish -Kingspan XL Forte 'Symphony Collection' Coating System Colour RAL

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4. Shadow cladding element between main elements and along lower edge of main element to be Kingspan KS profiled composite cladding panel system laid at nominal 6 degree incline to the vertical. Cut lapped horizontal jointing with exposed fixings. External finish - Kingspan XL Forte 'Symphony Collection' Coating System Colour RAL 7043.

5. Galvanised mesh planting framework to be mechanically secured to shadow cladding, on proprietary galvanised top hat sheeting rails spacing mesh from face of cladding. Mesh panels to be fully trimmed around perimeter with edging channel.

6.Overblade aluminium louvre to projecting soffit along north elevation. PPC finish with fly screen backing Colour RAL 7043.

7. Aluminium curtain wall glazing to gable end to each side and over the top of the central solid cladding. No requirement for opening lights. Frame to receive PPC finish to standard RAL colour 7043. Double glazing to be toughened both panes, nominal 6:12:6 glass and cavity thickness. Glass to be clear polished float glass.

8. FGT gable infill Main cladding element to be Kingspan <u>AWP</u> KS1000 flat composite insulated cladding panel system. 1000mm module secret fixed laid horizontal. Supported on secondary steel cladding rails set out in accordance with system requirements relative to specific application and site location and extent of exposure. Vertical joints between panels to be set at 90 degrees and finished with proprietary top hat section Colour RAL 6021.

9. Condenser screening Main cladding element to be Kingspan AWP KS1000 flat composite insulated cladding panel system. 1000mm module secret fixed laid at horizontal Colour RAL 6021.

10. Translucent cladding, (Rodecca or similar).

11. Fair faced concrete.

12. PPC insulated panel door Colour RAL 1023.

13. PPC metal faced personnel / access doors Colour RAL 1023.

Exhaust stack and fuel tanks to be galvanised steel

PLANNING

Revision

1:125@A1 Scale Status Drawn by 10.05.11

URBASER / BALFOUR BEATTY

GLOUCESTERSHIRE RESIDUAL WASTE PROJECT **Drawing Description EAST ELEVATION**

Drawing No.

11034 PL33

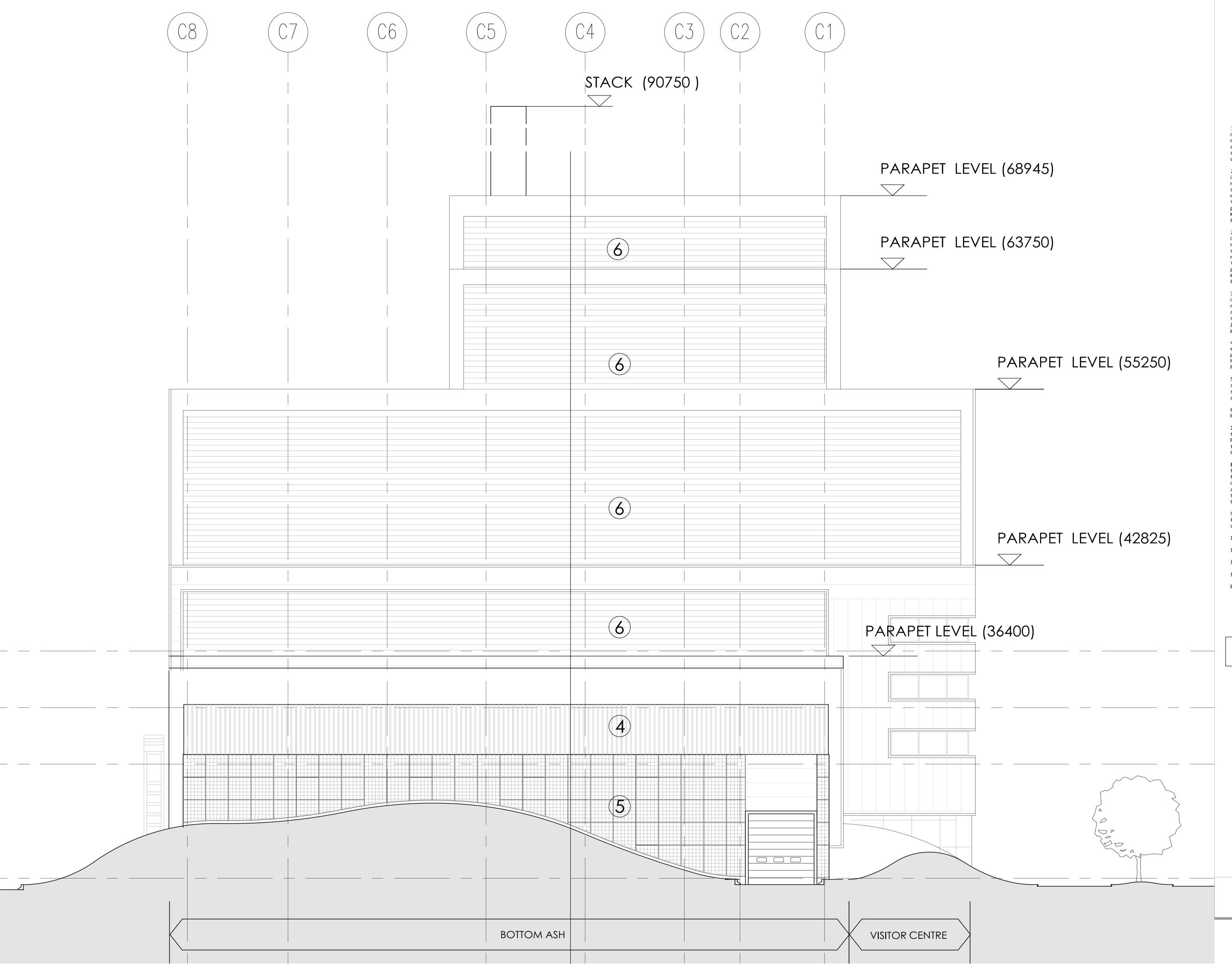
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Architecture Master Planning Project Management

Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t **=** +44 (0)161 242 1140 w ■ www.fletcher-rae.com

f = +44 (0)161 242 1141 e ■ info@fletcher-rae.com



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Exhaust stack and fuel tanks to be galvanised steel

PLANNING

05.11.13 PdeB LEVELS AND HEIGHTS ADJUSTED.

1:125@A1 Status Drawn by 10.05.11

URBASER / BALFOUR BEATTY

GLOUCESTERSHIRE RESIDUAL WASTE PROJECT **Drawing Description EAST ELEVATION**

Drawing No. 11034 PL33

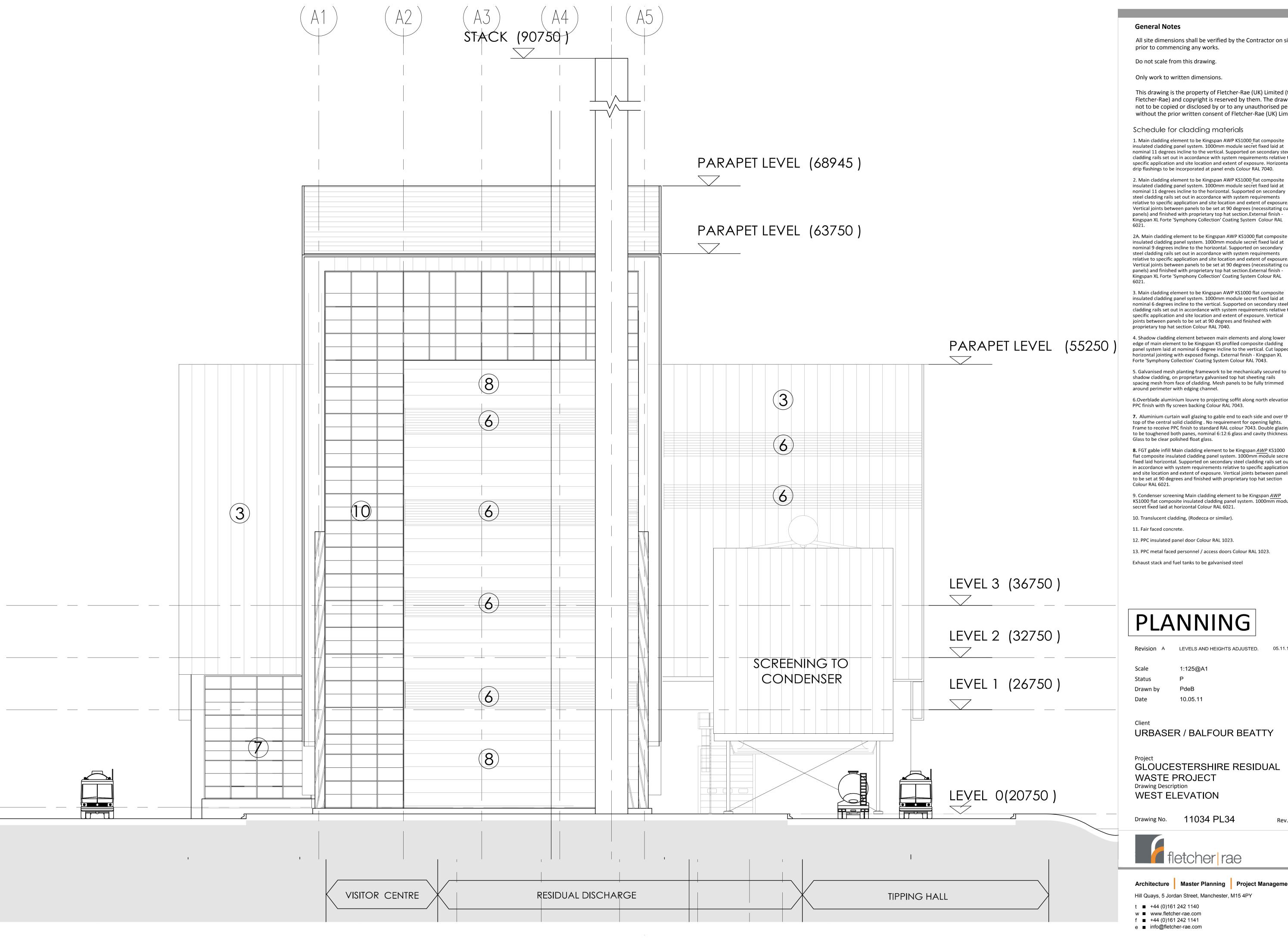
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Architecture Master Planning Project Management

Rev. A

Hill Quays, 5 Jordan Street, Manchester, M15 4PY

- t **=** +44 (0)161 242 1140
- w www.fletcher-rae.com
- f **=** +44 (0)161 242 1141 e ■ info@fletcher-rae.com



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PLANNING

LEVELS AND HEIGHTS ADJUSTED.

1:125@A1

URBASER / BALFOUR BEATTY

10.05.11

GLOUCESTERSHIRE RESIDUAL **WASTE PROJECT Drawing Description** WEST ELEVATION

11034 PL34

fletcher rae

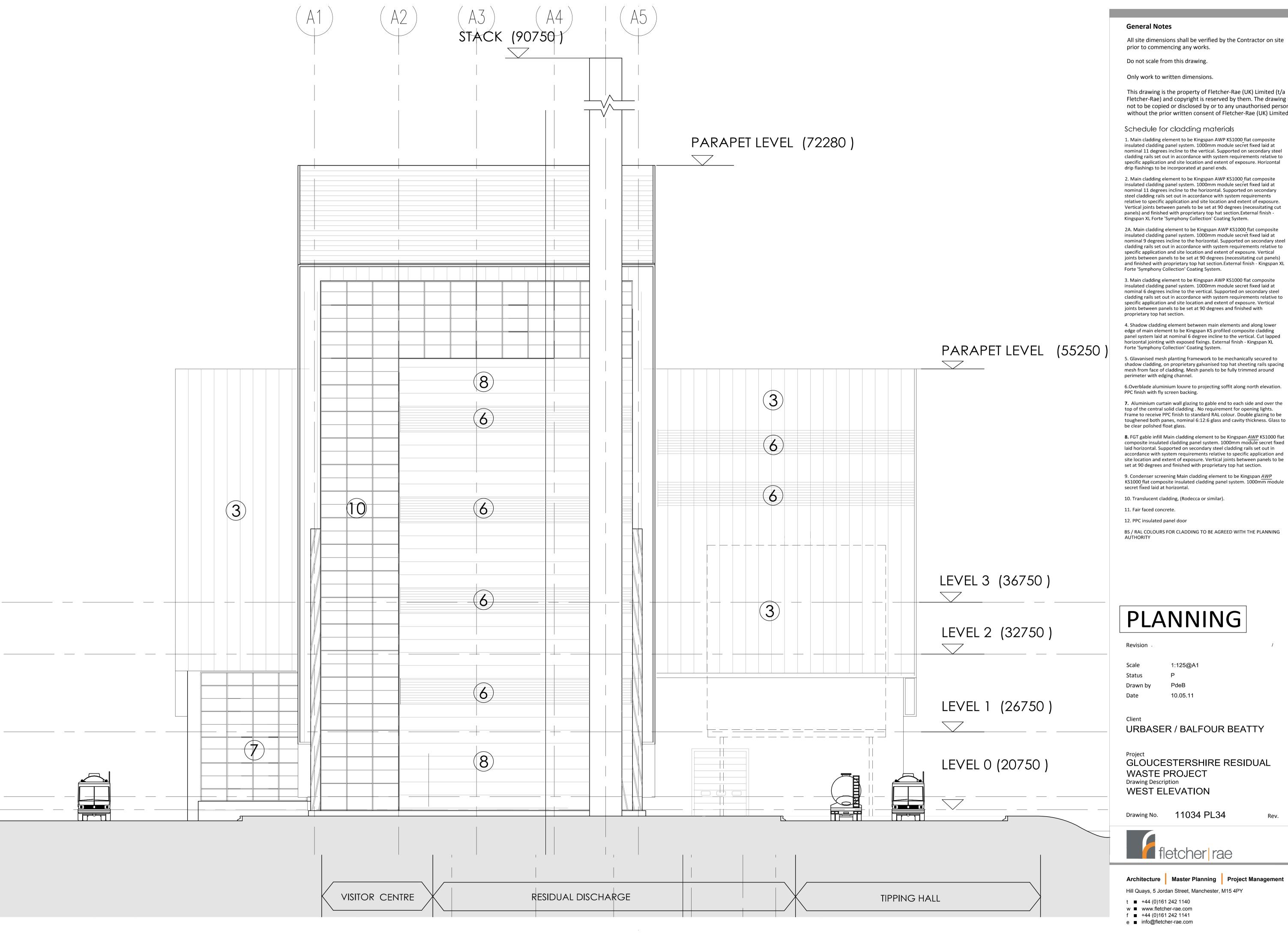
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Rev. A

Hill Quays, 5 Jordan Street, Manchester, M15 4PY

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11. Fair faced concrete.

12. PPC insulated panel door

BS / RAL COLOURS FOR CLADDING TO BE AGREED WITH THE PLANNING AUTHORITY

PLANNING

1:125@A1 PdeB

10.05.11

URBASER / BALFOUR BEATTY

Project
GLOUCESTERSHIRE RESIDUAL **WASTE PROJECT Drawing Description** WEST ELEVATION

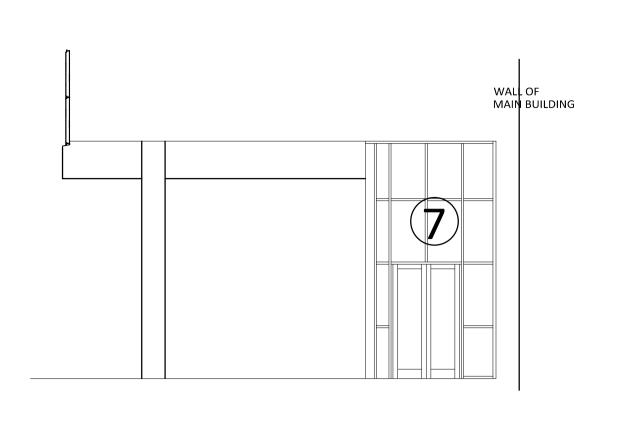
11034 PL34

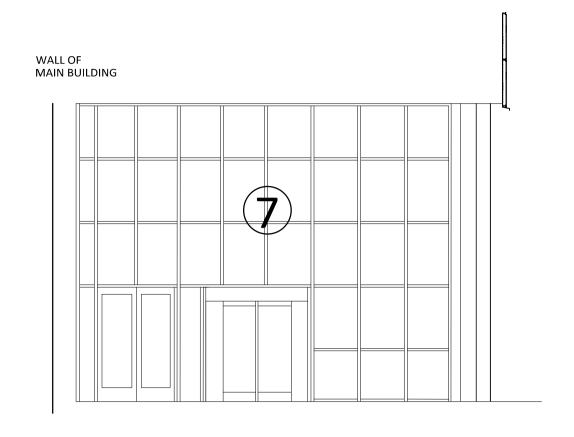
Architecture Master Planning Project Management

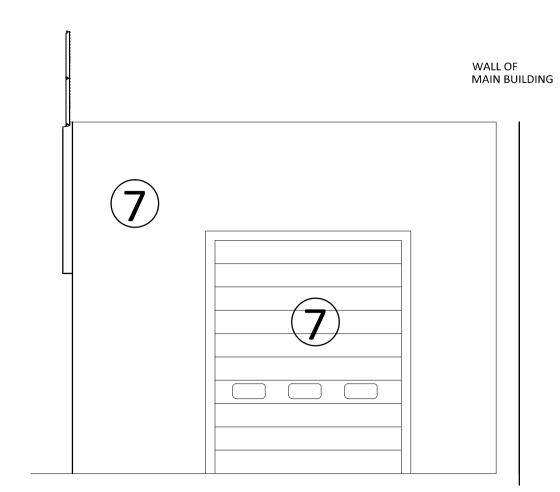
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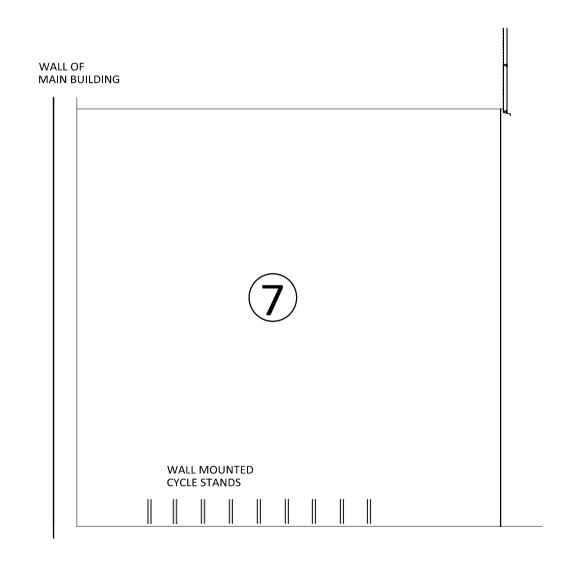
- w www.fletcher-rae.com
- e info@fletcher-rae.com

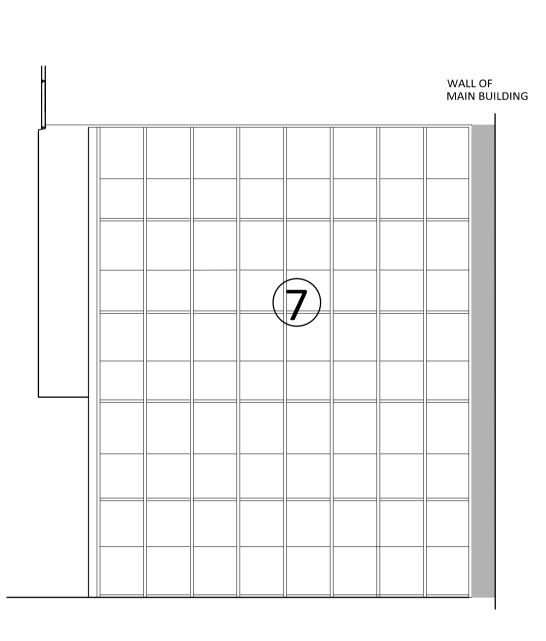






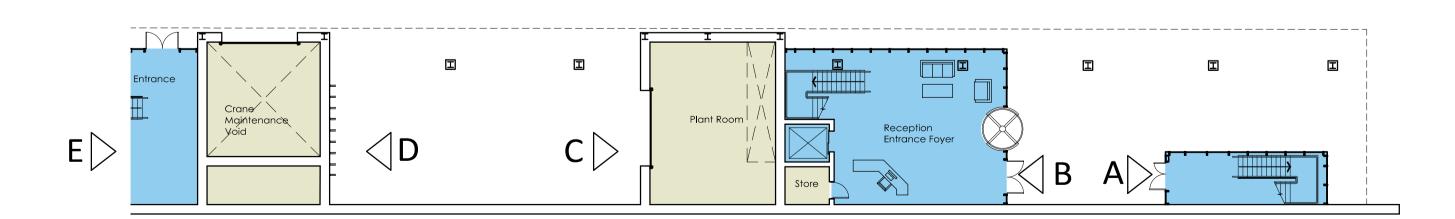
ELEVATION A ELEVATION B ELEVATION C





ELEVATION D

ELEVATION E



KEY PLAN

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SEE DRAWING 11034 PL35 FOR MAIN ELEVATION

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13. PPC metal faced personnel / access doors Colour RAL 1023.

Exhaust stack and fuel tanks to be galvanised steel



Revision /

1:100@A1 Scale Status PdeB Drawn by 30.09.11 Date

URBASER / BALFOUR BEATTY

GLOUCESTERSHIRE RESIDUAL WASTE PROJECT **Drawing Description** ADMINISTRATION BLOCK **ELEVATIONS**

Drawing No. 11034 PL45

Architecture Master Planning Project Management

Rev. /

Hill Quays, 5 Jordan Street, Manchester, M15 4PY

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- w www.fletcher-rae.com
- f = +44 (0)161 242 1141 e ■ info@fletcher-rae.com

OVERVIEW SPECIFICATION:

All tree pits to be excavated to 900mm depth below proposed finished level and made available for inspection by landscape architect prior to backfilling. Bases and sides of tree pit excavations must be free draining.

Tree pits shall be minimum 1500 x 1500mm in plan and backfilled with approved imported topsoil.

Trees situated within lawn areas shall be surrounded by a 1500mm diameter circular grass free area covered with 75mm depth bark mulch. Ornamental and hedgerow planting areas shall be excavated to 400mm below proposed finished level and made available for inspection by landscape architect prior to backfilling with topsoil. Bases and sides of excavation must be free draining. Areas indicated as close mown amenity lawn shall have a minimum 150mm depth topsoil.

Areas of woodland and scrub planting shall be planted ino loose tipped soil material of minnimum 400mm depth. Soils to be created by mixing appropriate site sourced subsoils with suitable organic products (eg. green waste compost) or through import of natural soil material. Composition of proposed soil material shall be subject to approval by project landscape architect in advance of soiling.

Areas of conservation grassland shall be established on prepared site won material or imported low fertility soil material. Material to be subject to approval by project landscape architect.

All newly soiled areas (excepting conservation grassland) shall be ameliorated with 50mm depth approved organic material e.g. spent mushroom compost / green waste compost. Material shall be fine grade & must be well composted. Compost to be applied shortly prior to cultivation and incorporated evenly into top 150mm of soil.

All plant material shall consist of healthy stock with well balanced branch structures and well developed fibrous root systems. Planting generally shall accord with CPSE 'Handling and establishing landscape plants' (obtainable from the Horticultural Trades Association) Part III, paragraphs 6.2 to 6.6. Plant handling, storage and transport shall accord with CPSE 'Handling and establishing landscape plants' (obtainable from the Horticultural Trades Association) Part I, Part II and Part III, paragraphs 1.3.3 to 1.3.6, 3.0, and 4.0.

Lightly firm soil around plants and fork and/ or rake soil, without damaging roots, to a fine tilth with gentle cambers and no hollows. Immediately after planting and prior to mulching, water all planting areas thoroughly to field capacity, without damaging or displacing plants or soil.

After watering, apply 75mm settled depth of Amenity grade bark mulch to all ornamental and hedgerow planting areas. (Sample to be provided for approval in advance of

Any plants that fail to thrive (unless due to theft or malicious damage after completion) during the period of 12 months following Practical Completion, will be regarded as defects due to materials or workmanship and shall be replaced with equivalent plants to match size of adjacent or nearby plants of same species or match original specification, whichever is the greater.

Seed / turf

Areas to be seeded / turfed shall be stone picked, cultivated to a fine tilth and graded to smooth flowing contours prior to either laying Rolawn Medallion turf (or equivalent) or seeding with a low maintenance grass seed mix (e.g. British Seed Houses A4) at 35gms /m2.

H V Room

SUB STATION

169 114 206 122 272 111 128 118 118

LONG TERM MANAGEMENT

Cornus sanguinea

Total Shrubs

A long term management and maintenance plan will be prepared for the site which will address all aspects of vegetation management for amenity and nature conservation purposes. It is envisaged that the initial plan will consist of a detailed five year programme with a mechanism for annual review and revision by a steering group including invited statutory consultees (such as county ecologist /local wildlife trust). Thereafter, a review process would continue for the life of the project.

20600+

DAMP GRASSLAND HABITAT WITHIN SUDS ATTENUATION BASINS

TIMBER DECK **OVERLOOKING** POND

20900+

20900+

PERMANENT WATER

BODY WITH MARGINAL

VEGETATION

□ Condenser

OUTDOOR CLASSROOM NATURE CONSERVATION TEACHING SPACE AND INTERPRETATIVE DISPLAYS LOCATED ADJACENT TO MEADOW, WOODLAND AND POND HABITATS **OUTDOOR VISITOR EXPERIENCE**

Key

Close Mown Grass

New Native Scrub

New Native Woodland

Ornamental Shrub Planting

FILLED WITH RECYCLED

MATERIALS

Conservation Grassland

Retained Existing Vegetation

A GARDEN/GALLERY SHOWCASING PRACTICAL MEANS OF LIVING MORE SUSTAINABLY, WITH RECYCLED PRODUCTS AND INTERPRETATIVE DISPLAYS IN AN ATTRACTIVE, DYNAMIC GARDEN POWERED SLIDING ENVIRONMENT

SECURITY GATE 2.4m HIGH PALADIN **SECURITY** GABION FEATURE WALLS **FENCE**

Climbing Plants

Tarmac Footpath

Block Paving to

Block Paving

Car Parking

Pedestrian Areas

High Quality Recycled

Aggregate Pavings

2.4m high Paladin

Security Fence

Existing Timber

Post & Rail Fence

SEPARATE STAFF & VISITOR ENTRANCE 1.2m WIDE EXISTING LEVEL **PERSONNEL**

7.5m WIDE

GATE

20.930 +

FFL 21750+

DROP OFF

DOUBLE LEAF

POWERED SLIDING

SECURITY GATE

2.4m HIGH

PALADIN

SECURITY

FENCE -

OPERATIONAL

ENTRANCE

EXISTING LEVEL 21070 +

STAFF &

VISITOR CAR

PARKING

COACH

WEIGHBRIDGES

20005

21600+

Tipping Hall +0.000

NATIVE SCRUB PLANTING ALONG WATERCOURSE TO ENHANCE **BIODIVERSITY**

SCRUB MIX AREA S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 TOTALS AREA SIZE (m²) 213 62 122 211 142 258 153 340 Tree Species (Density 1/5m²) AGE / TYPE ROOT | HEIGHT(cm 40.0% Acer campestre BR 150-175 15 25 17 31 18 41 17 60.0% Betula pendula 150-175 251 12 24 42 28 52 31 68 28 32 29 **Total Trees** 419 Shrub Species (Density 1/1m²) 419 Crataegus monogyna Salix caprea 15.0% 5.0% Rosa canina 84 670 168 5.0% llex aquifolium 40.0% Corylus avellana 10.0%

WOODL	AND MIX							
				AREA	W1	W2	W3	TOTAL
			AREA SIZE (m²)		955	1636	1861	4452
Tree Sp	ecies (Density 1/5m²)	AGE / TYPE	ROOT	HEIGHT(cm)				
25.0%	Fraxinus excelsior	fthd	BR	150-175	48	82	93	223
45.0%	Betula pendula	fthd	BR	150-175	86	147	167	401
15.0%	Quercus robur	fthd	BR	150-175	29	49	56	134
15.0%	Acer campestre	fthd	BR	150-175	29	49	56	134
Total Trees					191	327	372	890
Shrub S	species (Density 1/1m ²)							
20.0%	Crataegus monogyna	1+0	BR	60-80	153	262	298	712
20.0%	Salix caprea	1+0	BR	60-80	153	262	298	712
6.0%	Rosa canina	1+0	BR	60-80	46	79	89	214
36.0%	Corylus avellana	1+0	BR	60-80	275	471	536	1282
12.0%	llex aquifoilum	2L	С	40-60	92	157	179	427
6.0%	Viburnum opulus	1+1	BR	60-80	46	79	89	214
Total Shrubs					764	1309	1489	3562

Specin	nen Trees & Shrubs &						Ornamen	tal planting
climbing & hedge plants							(Indicative planting pal	
							Intent is to select a range of orga	
0		10E (T)(DE	DOOT	Llainbt / Ointh/ana)	Quantity			Astrantia sp.
Specimens		AGE / TYPE		Height / Girth(cm)				Aquilegia sp.
T1	Carpinus betulus	EHS	RB	18-20 (g)	21			Carex sp.
T2	Betula ermanii	fthd	RB	250-300 (h)	33			Dryopteris sp
T3	Amelanchier lamarkii	fthd	RB	150-175(h)	9			Euphorbia sp
T4	Hamamelis mollis	fthd	BR	125-150(h)	6			Geranium pha
					69			Heuchera sp.
Total								Matteuccia st
								Polystichum
Hedge	S							
length (m)				Quantity (5/m)		Linear length of hedge	Planting dens	
	Carpinus betulus	1+2	BR	80-100	650	130		
							CONSER	ATION GRAS
Climbe	ers					Linear length of 'living wall'		
Hedera colchica Dentata		a	2L	40/60	100	200	Supplier: Emorsgate	
	Parthenocissus quinquifolia		2L	60/80	100			
							Mixture r	e ference: Ger

	elect a range of shade tolerant ge of organic and inorganic mu		planted in d	rifts
A	strantia sp.			
A	quilegia sp.			
Ca	arex sp.			
Di	yopteris sp.			
E	uphorbia sp.			
G	eranium phaeum album			
He	euchera sp.			
М	atteuccia struthiopteris			
Po	olystichum sp.			
		Total number of plants		
PI	anting density c. 6-10 per m2	c. 3900-6500		

CONSERVATION GRASSLAND SEEDING

Supplier: Emorsgate Seeds or similar approved.

Mixture reference: General purpose wildflower mix modified as appropriate in consultation with project ecologist and consultees to maximise potential to support and increase invertibrate population. SUDS basins to be seeded with damp meadow species



PERMANENT WATER **BODY WITH MARGINAL** VEGETATION

EXISTING

TIMBER POST &

RAIL FENCE

2.4m HIGH

PALADIN

SECURITY

FENCE

SCREENING MOUNDS WITH

NATIVE

WOODLAND

PLANTING



Gloucestershire County Council Residual Waste Project

Title: PROPOSED LANDSCAPE PLAN Drawing No: GCC-ISRS-LAN-942-03-01

Scale: 1:500@A1