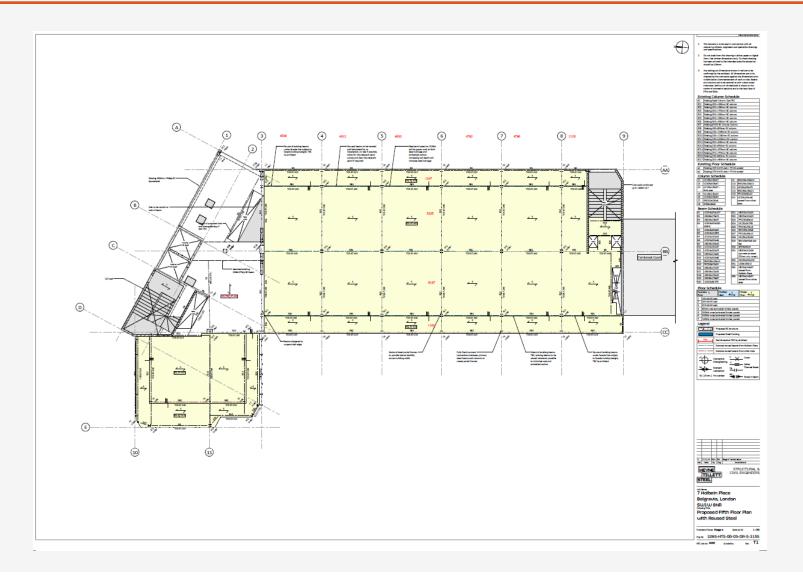




Supplying reused steel for Holbein Gardens

Holbein Gardens Steel Reuse Case Study Thursday 20th October 2022

First Enquiry



Client Material

Beam Size	Lengths on site	Number
256x102x28(TBC) UB	1	1
	2.35	1
	3.2	2
	4.5	2
	4.6	2
	4.75	3
	4.85	3
	5	1
	5.1	1
	5.2	1
	5.4	1
178x102x19 UB	2.8	2
	3.05	1
	3.3	1
	3.95	1





The Material – "Star Wars"

Sack Lunch Steelwork										Blue - check	То			
Location	152x <mark>89</mark> >	(16UB	173 B	8x102	2x19U	203	3x102x	23UB	20)3x133	x25UB	15	52x152	x <mark>23</mark> UC
	No. Lengt h	Tota I	No. I	Lengt h	Total	No.	Lengt h	Total	No.	Lengt h	Total	No.	Lengt h	Total
Market Square						2 4 3	2.70 3.50 4.25	5.40 14.00 12.75				5	4.25	21.25
Kingo Jet									6 6		39.00 24.00			
Spaceship - Bridge									4 8 2 4 8 4	4.72 4.11 4.05 2.97 3.51 5.20	18.88 32.88 32.40 5.94			
Spaceship - Lab									8 4 8 4	4.05 4.11 5.20	32.40			
Spaceship - Walkways									12 8 4 2 19 1	6.19 6.09 7.31 4.19	74.28 48.72			
Other Workshop Scrap (excluding grey steel)	3 4.50	13.50		2.90	34.8 0 26.4	2	3.75	7.50						
			1	1.68	0 1.68									
Total Metres		13.50			62.88			39.65			593. 37			21.25
Total Tonnage	0.016	0.22	C).019	1.19		0.023	0.91		0.025	14.83		0.023	0.49



The material part 2



US Embassy Façade retention



Material from stockiest with no certs Destined for scrap

Material Offer

					1.1.11.11.11	-														
PROTECTED VIEW Be carefu	II—email at	ttachments c	an contain vii	ruses. Uniess you	need to edit, it's s	safer to stay in	Protected view.	Enable Editing												^
	f _x																			×
А	В	С	D	F	F	G	н	1	1	к	L	М	N	0	Р	0	R	S	Т	
Steel Takeoff	D	C	U	L	•	0			,	N	L	IVI	IN	0	F	Q	N		1	
Туре	- Grac -	Type	Quantit -	Eurban Lev	Eurban Grou 🔻	New / Re 🔻	Stockist 🔻	Revit Cut Lengt	kg/ -	Weight 👻										
UC203x203x46	\$355	Column	1	· · · · · ·	SC	Reused	Cleveland			139.222										
UC203x203x46	\$355	Column	1		SC	Reused	Cleveland	3.02										_		
UC203x203x46	\$355	Column	1	4	SC	Reused	Cleveland	3.02					•							
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222		Mat	eria	ider	ntiti	ed a	is re	used	or	nev
UC203x203x46	\$355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222							T			
UC203x203x46	\$355	Column	1	4	SC	Reused	Cleveland	3.24	46.1	149.364	(Sne	cific	atior	all	owe	d fo	r eitl	her 🤆	50
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.24	46.1	149.364		•								
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.24	46.1	149.364		Sub	ctitu	tion		CUL	bd c	Wer	time	۷
UC203x203x46	\$355	Column	1	4	SC	Reused	Cleveland	3.24	46.1	149.364	•	Jub	Stitu	tion	5 00	.cun	cut		unne	-
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.2	46.1	149.364										
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222										
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222										
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222										
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222										
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222										
SHS100x100x8	S355	Column	1	4	SC	New		3.02	22.6	68.252										
SHS100x100x8	S355	Column	1	4	SC	New		3.44	22.6	77.744										
UC203x203x46	\$355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222										
UC203x203x46	S355	Column	1	4	SC	Reused	Cleveland	3.02	46.1	139.222										
UC203x203x46	S355	Column	1		SC	Reused	Cleveland		46.1											
SHS100x100x8	S355	Column	1		SC	New			22.6	68.252										
SHS100x100x8	S355	Column	1		SC	New		3.02		68.252										
UC203x203x46 / HEA200	\$355	Column	1		SC	Reused	Cleveland	3.73												
UC203x203x46 / HEA200	S355	Column	1		SC	Reused	Cleveland	3.73												
UC203x203x46 / HEA200	S355	Column	1		SC	Reused	Cleveland	3.73												
UC203x203x46 / HEA200	\$355	Column	1		SC	Reused	Cleveland		46.1											
UC203x203x46 / HEA200	\$355	Column	1		SC	Reused	Cleveland	3.73												
UC203x203x46 / HEA200	\$355	Column	1		SC	Reused	Cleveland		46.1											
UC203x203x46 / HEA200	\$355	Column	1		SC	Reused	Cleveland	3.73												
UC203x203x46 / HEA200	\$355	Column	1		SC	Reused	Cleveland	3.73	46.1	171.953										-
3835_Steel Take		+	1																•	
dy														Display Settin	as III		四		+ 10	796

Letter of Intent - securing the material

2nd June 2021 Roy Fishwick Managing Director Dalton, Thirsk North Yorkshire YO7 3JN United Kingdom Letter of Intent to Purchase Steel

Dear Roy,

I am writing to confirm that Grosvenor Estate Belgravia intend to use the materials cited in the enclosed list on our upcoming scheme at 7 Holbein Place.

The list below has now been included in the Contract with Blenheim House Construction who shall be placing the order with Cleveland Steel & Tubes Ltd direct in the coming weeks.

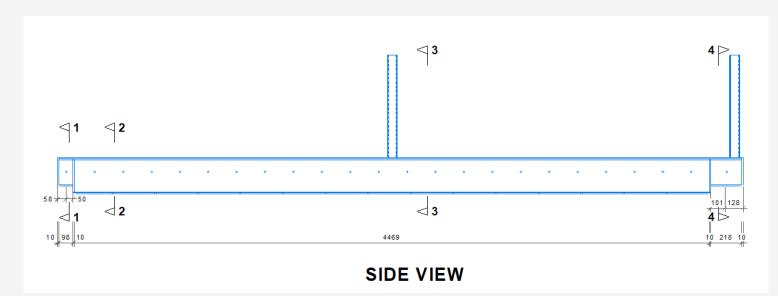
The Building Contract is due to be signed w/c 7th June, following which Blenheim House shall be in a position to formally place the order for these steels and make payment. Following contract execution, the team shall also be in touch to finalise the logistics associated with the steels being removed from Bermondsey.

As per your correspondence with Tom Cutler (Capital & Provincial), we trust that this is acceptable to ensure materials are held for use on 7 Holbein Place.

We look forward to hearing from you in due course to discuss the fabrication process and logistics and are excited to build a working relationship with regard to the re-use of steelwork across the estate.

Yours sincerely,

Matching Up



350 individual drawings – almost no duplication Each member had to be matched to drawing for compatibility Engineer approached if holes/attachments an issue

CLT meant web stiffeners had to be removed for timber to sit in



Traceability

A	В	С	D	E	F	G	Н	1	J	K	L	М	Ν	
10									Source	sample	cert			
11 SB05	6	203	203	46		3061	1		carey					
12 SB05	7	203	203	46		2713	1		carey					
13 SB05	8	152	152	37		2286	1		carey					
14 SB05	9	203	203	46		4041	1		carey					
15 SB05	10	203	203	60		4937	1		carey					
16 SB05	11	305	165	40		3154	1		holbein					
17 SB05	12	200	75	23		1164	1		sbc					
18 SB05	13	152	152	37		3158	1		carey					
19 SB05	14	254	102	25		1325	1		holbein					
20 SB05	15	254	254	73		4673	1		anderson					
21 SBO5	16	200	100	8		3140	1		prime					
22 SB05	17	200	100	8		3651	1		prime					
23 SB05	18	254	254	73		4917	1		prime					
24 SB05	19	254	102	25		3802	1		holbein					
25 SB05	20	400	200	10		6563	1		prime					
26 SB05	21	120	120	10		600	2		anderson					
27 SB05	22	12	12	10		600	6		anderson					
28 SB05	23	152	152	37		3756	1		carey	Ctrl) 🔻				
Sheet Sheet		testing	new vers	sus prime	spare	bits list 15	02 bits	list 230	02 bits list 240	02 bits list 3	0 (+) ∶ [◀			

Certification

99 Bowesfield La tockton-on-Tees 518 3NF nited Kingdom 51: 01642 604661 ax: 01642 670300 REPORT NO	0	000 / 4	MEC			G		Si	0025	CE			
CUSTOMER: (HANICAL	TESTING	REFORT				2773			
				T	alton hirsk 07 3JN						Dec	aration of Perform	ance
TEST PIECE: 2	03 x 20	3 x 46			TYPE OF TEST	: Tensile /C	harpy 'V' N	lotch / Anal	vsis.			CST Job No. 83982/JZ	
ORDERNO/CLI	ENT REF: 1	38359 (Tic	ket 229)		IDENTIFICATIO	ON/NUMBER: 2	03 x 203 x	46 Carey.			T	W1111 . 15	
DATE RECEIVE REST CODE: 1 148-1 2016	BS EN IS	3 / 22. SO 6892-1 2	2019 & B	S EN ISO	REFERENCE S	EC: BS EN 1 SPEC:	0025 S355	5 J2.			Туре:	Welded steel items to Exec with component specificati Contract C1155 - MCFC E	ion for Severfield (UK) Ltd
TENSILE TE	ST - BS	EN ISO 6892					1			Cleveland Steel & Tubes Ltd		Marked A21202 & A2120	1
SAMPLE NO	GAUGE LENGTH	THICKNESS DIA	WIDTH mm	AREA mm ²	YIELD	MAX STRESS	ELONG %	BREAK POINT	REDUCTION OF AREA	Dalton Industrial Estate	Intended use/s:	Structural metallic construction	on components intended for u
		mm			N/mm ²	N/mm ²			70	Thirsk	Intended use of	in steel structures and concret	te structures where the
	50mm	9.96	12.02	119.72	408	518	33.5	~	· ·	North Yorkshire		components can be made from with other technologies produ	
x46										YO7 3JN		flat products (plates, sheet, str made of steel materials.	
COMMEN	TS:									14	Manufacturer:	Cleveland Steel & Tubes L	*d
				65	T ref: Roy.					Welded steel items – marked A21202 & A21201 for Severfield (UK)	Manufacturer.	Dalton Industrial Estate	au
				00	i i i i i i i i i i i i i i i i i i i					Ltd Contract No. C1155		Thirsk	
BEND TEST										MCFC Etiad Stadium Expansion		North Yorkshire YO7 3JN	
AMPLE NO		TYPE			RES	ULTS & COM	IMENTS						
										Declaration of Performance – No. 83982/JZ	System of assessment verification of consta		
										Execution Class 2	of performance:	System 2+	
										BS EN 1090-1: 2009 + A1: 2011	Notified Body:	Steel Construction Certifica	ation Scheme
AMPLE NO		Si Mn	S	P	Ni Cr	Mo	Cu Ti	Nb	V CEV			 Whitehall Court Westminster 	
03x203x46		0.19 1.08		0.022	0.15 0.14	0.04 0	0.39 <0.01	0.01	0.04 0.35%	Intended uses:		London	
007200710										Structural metallic construction components intended for use in steel structures and		SW1A 2ES	
OMMENTS:		Analisa		han a suite su	d from Eleme	ant contificat	o rof: ¥25	1956		concrete structures where the components can be made from hot rolled, cold-formed	Notified Body No:	2773	
HARPY IM	PACT TE	ST – BS EN	ISO 148- 1	1 2016.	a from Eleme	ent certificat	e tel. A25	1000		or with other technologies produced profiles with various shapes, flat products	Notified Body No.	2115	
ACHINE NOM	INAL ENER	GY VALUE = 45 0 x 7.5mm	0J. 8mm RAI	DIUS STRIKER						(plates, sheet, strip), bars, castings, forgings made of steel materials.		Scheme has performed (i) initial in	
SAMPLE NO		TEMP		PACT JOULES		AVERAGE		COMMENTS	5		and evaluation of factory prod	y product control and (ii) continue action control and issued Factory F Welding certificate 2773-CPR-00	Production Control
203x203x4		-20°C	208	3, 156, 132		165					Essential characteristics	Performance	Harmonised
		6- m.c.		- ODEOUTIC - T									technical
Signed: D.		DO/DO NOT CO	DMPLYWITH	Test V	ION Vitnessed B	By:	1	l'est Witne	ssed By:		Tolerances on dimensions	EN 1090-2	specification EN 1090-1: 2009 -
Assistant 1	Test Hou	se Manager	\bigcirc								and shape	2311 2 0 7 V M	A1: 2011
est Date:	07 / 04	/ 22.									Weldability	EN 10025-2, 8355J2	EN 1090-1: 2009 - A1: 2011
This report sign	ifies acceo	tance or otherwi	ise with rega	ard only to the	acceptance crite	ia of the applica	ible standard.	Such compliand	e, or		Fracture toughness/impact	S355J2 (27J @ -20°C)	EN 1090-1: 2009

A1: 2011

resistance

This report signifies acceptance or otherwise with regard only to the acceptance criteria of the applicable standard. Such compliance, or otherwise, does not infer or imply suitability and / or fitness for any particular use or purpose. No other communication by Oceanering, whether oral or written, shall be constructed as an option as to whether the weld or other work inspected should be accepted or rejected.

LAB-FRM-003a Issue 1 Rev 2

Finished Item

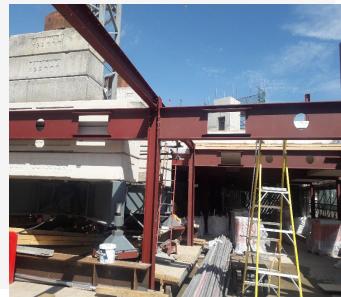
















Project aim: Develop a blueprint/guide for businesses to enter the market of steel reuse

Sponsor



Partners







Supporter



DISRUPT Steel reuse project

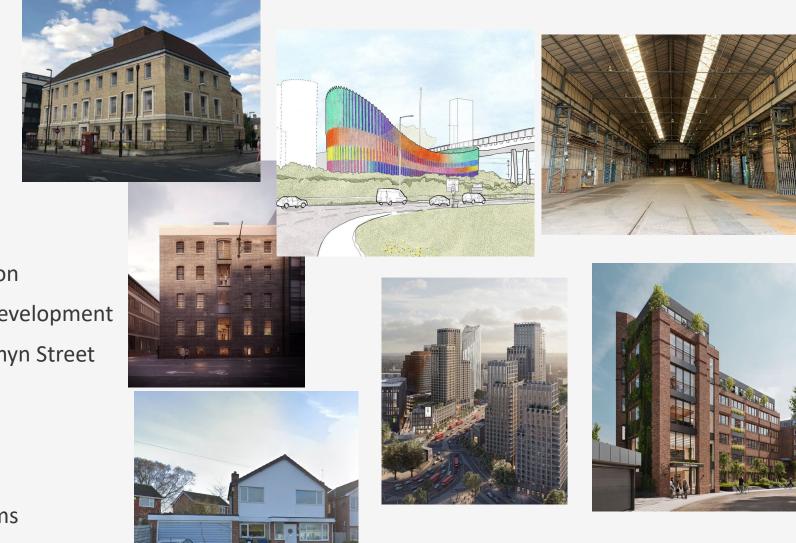






Steel reuse case studies:

Entopia building Holbein Gardens 55 Great Suffolk Street Meridian Water project Brent Cross Town Primary Substation Elephant & Castle Town centre redevelopment French Railways House and 50 Jermyn Street **Network Building** Agricultural buildings Domestic extension projects Subsea drilling out of the wind farms





Thank you

Contact details...

roy@cleveland-steel.com

01845 577789

www.Cleveland-steel.com