

MFRA St Helens
Quantified Schedule of Rates
Additional Appliance Bay
PROVISIONAL

commencement levels etc

G RAFT FOUNDATION				
Ref	Description		Unit	Rate
	GROUNDWORK			
	<u>D20: EXCAVATING AND FILLING</u>			
	Excavation to achieve formation level to underside of new surfacing, other finishes or to achieve new site profile			
	Excavation			
	to reduce levels	146	m3	£ 2.25
	Extra over any types of excavation irrespective of depth			
	treatment of contamination; excavation, licensed disposal and backfill with appropriate material; if required		Item	
	treatment of soft spots including excavation, disposal and backfill with appropriate material if required		Item	
	excavating around existing services crossing excavation		Item	
	Extra over for breaking out existing below ground materials			
	rock; <i>provisional quantity</i>		m3	
	concrete; 150mm thick slab across site; <i>provisional quantity top of voids slabs</i>		m3	£ 25.00
	concrete; 900mm thick slab across site; <i>provisional quantity bottom if voids slabs</i>		m3	£ 25.00
	concrete; 150mm thick slab across site; <i>provisional quantity top of external hard standings</i>		m3	£ 25.00
	concrete; 900mm thick perimeter walls across site; <i>provisional quantity to basements</i>		m3	£ 25.00
	RC concrete; <i>provisional quantity</i>		m3	£ 25.00
	brickwork, blockwork, stone, etc; <i>provisional quantity</i>		m3	£ 25.00
	hardcore; 200mm thick hardcore below slab across site (assumed allowance); <i>provisional quantity</i>		item	Included
	Tarmac		m2	
	<u>Disposal</u>			
	Disposal			
	surface water	1	Item	£ 282.00
	ground water		Item	

	excavated material; off site; inert	84	m3	£	33.47
	excavated material; to be crushed - concrete slab and hardcore below slab. Including all handling & distribution.	146	m3	£	5.57
	Excavated material that has been crushed re-engineered and placed back. Including all compacting and rolling.	62	m3	£	6.00
	<u>Fill material to underside of new slab; Manufacturer - contractors choice; Product reference - contractors choice; type 1 material; as Structural Engineers specification SP-S-00004 and SP-S-00008.</u>				
	Filling to make up levels				
e	average thickness exceeding 250mm; fill under ground floor slab.	16	m3	£	40.04
	<u>Applying herbicides; Manufacturer - contractors choice; Product reference - contractors choice; as Structural Engineers specification SP-S-00004 and SP-S-00008.</u>				
	Applying herbicides				
f	rate of application as manufacturers recommendations	105	m2	£	0.56
	<u>Compacting to ground or fill material; Method of compacting - contractors choice; as Structural Engineers specification SP-S-00004 and SP-S-00008.</u>				
	Compacting				
g	filling	105	m2	£	0.56
h	bottoms of excavations	105	m2	£	1.13
	<u>IN - SITU CONCRETE/ LARGE PRECAST CONCRETE</u>				
	<u>E10: MIXING/CASTING/CURING/IN-SITU CONCRETE</u>				
	<u>Concrete generally; Manufacturer - contractors choice; Product reference - contractors choice; C28/35 designated mix; refer to 3.1 of the SE Structural Concrete Specification.</u>				
	Testing				
j	Concrete cubes.	1	item	£	500.00
	Slabs				
l	thickness > 450mm; ground floor slab as SE drawing 20005.	79	m3	£	140.63
m	Extra over for casting in underslab drainage.		item	£	-
	Upstands; concrete	3	m3	£	160.00

E20: FORMWORK FOR IN-SITU CONCRETE

Formwork generally; Manufacturer - contractors choice; Product reference - contractors choice; to achieve a basic finish; as Structural Engineers specification SP-S-00004 and SP-S-00008.

Sub-Contract Design Portion

f	Formwork.		item	£	-
	Sides of foundations; plain vertical				
j	height not exceeding 500mm - 1000mm; edge of ground floor slab as SE drawing 20005.	44	m	£	42.19
	Kicker	44	m	£	42.19
k	height not exceeding 500mm; pocket for steel columns as per SE drawing 20005; total length stated for all 43nr bases which are 600 x 600mm.	24	m	£	28.13
d	Forming holes in concrete for services; plain formwork formed				
e	girth less than 500mm in floors; 750mm thick; <i>approximate quantity</i> .	5	nr	£	56.25

E30: REINFORCEMENT

Bar reinforcement generally; Manufacturer - contractors choice; Product reference - contractors choice; high yield steel to comply with necessary standards; include spacers, chairs, fixings etc.; refer to SE drawing 20005.

Bars; mixed size diameter bars.

h	slabs - T20 bars top and bottom. 150kg/m3	12	t	£	1,378.13
j	slabs - T20 bars at 200mm centres each way at top and bottom of slab as SE drawing 20005; additional reinforcement to column bases.	-	t	Inc	
	Starter Bars; Kicker; H12 Dowel Bars	1	t	£	1,378.13
	Rebar; Kicker	1	t	£	1,378.13
	Items extra over the works in which they occur				
l	Supply, installation, maintenance and removal of plastic capping's to exposed reinforcement "ends" during the works.		item	Inc	
m	Supply, installation, maintenance and removal of plastic capping's to exposed reinforcement "ends" during the works.		item	Inc	

Mesh reinforcement generally; Manufacturer - contractors choice; Product reference - contractors choice; include spacers, chairs, etc.; refer to SE drawing 20005.

	Fabric				
a	A393; to ground floor slab as SE drawing 20005.	105	m2	£	9.56
	<u>E40: DESIGNED JOINTS</u>				
	Items extra over the works in which they occur				
d	Allowance for day joints.	1	item	£	2,500.00
	<u>E41: WORKED FINISHES/CUTTING TO IN SITU CONCRETE</u>				
	Worked finish to in situ concrete; Manufacturer - contractors choice; Product reference - contractors choice; as Structural Engineers specification SP-S-00004 and SP-S-00008.				
	Tamping by mechanical means				
e	surfaces generally	105	m2	£	4.50
f	extra over for achieving falls to the appliance bay as detailed on SE drawing 20005.		m2	inc	
g	Extra over for dressing into webs of steels.		nr	inc	
	Extra over the works in which they occur				
k	Extra over for boxing around gulley to appliance bay and working on hand mix after items have been cast in; approximate quantity.	1	nr	£	56.25
	<u>E42: ACCESSORIES CAST INTO IN-SITU CONCRETE</u>				
	Cast in holding down bolt assembly; Manufacturer - n/a; Product reference - n/a; supplied free issue by structural steelwork contractor; as Structural Engineers specification SP-S-00004 and SP-S-00008.				
	Cast in bolt assembly				
a	6 bolts per assembly	40	nr	£	92.81
	Items extra over the works in which they occur				
	Cast in floor gulley assembly; Manufacturer - n/a; Product reference - n/a; supplied free issue by structural steelwork contractor; as Structural Engineers specification SP-S-00004 and SP-S-00008.				
	Cast in floor gulley assembly				

c	Assumed to be 300mm diameter floor gulley; <i>approximate quantity.</i>	2	nr	£	28.13
<u>WATERPROOFING</u>					
<u>J40: FLEXIBLE SHEET TANKING/DAMP PROOFING</u>					
Loose laid gas retardant damp proofing; Manufacturer - A.Proctor Group Limited; Product reference - provoid 25 Gas Venting System; 0.4mm/1600 gauge thick; lapped joints; refer to J40/143A.					
Tanking and damp proofing					
b	flat; to ground floor slab as SE drawing 20005.	105	m2	£	11.25
	Protection fleece	105	m2	£	3.94
c	vertical; to ground floor slab perimeter as SE drawing 20005.	33	m2	£	31.50
	Internal & external corners	4	nr	£	28.13
Items extra over the works in which they occur					
d	Cutting around obstructions (service penetrations, steel columns and the like).				
	Columns	10	nr	£	45.00
	Drainage 110mm dia	2	nr	£	28.41
<u>BUILDING FABRIC SUNDRIES</u>					
<u>P10: SUNDRY INSULATION/PROOFING WORKS/FIRE STOPS</u>					
Insulation to substructure generally; Manufacturer - Danosa; Product reference - Danpren 500; insulation boards laid in accordance with manufacturers recommendation; refer to E20/215A.					
Plain areas					
	horizontal; 75mm thick	105	m2	£	17.44
	vertical; 75mm thick; 750mm high to perimeter of ground floor slab.	44	m	£	14.63
Items extra over the works in which they occur					
Cutting around obstructions (service penetrations, steel columns and the like).					
			nr	inc	
<u>Earthwork Support</u>					
	Working space allowance to excavations	33	m2	£	10.84
	Earthworks; depth ne 1m	33	m2	£	24.90

Engineer for setting out foundations and line/levelling steelwork	1	week	£	2,953.13
Temporary works and protection to excavations etc	1	item	£	2,500.00
Sub-Total Groundworks				
Frame				
Steel portal frame with bracing in the long walls and roof and steel posts to door openings Sheeting rails to walls and purlins to roof				
Structural Steelwork				
Steelwork	10	t	£	1,715.00
15% allowance for fittings and connections	2	t	£	1,715.00
Cladding Rails	1	item	£	5,000.00
Purlins	2	t	£	1,715.00
Roofing & Cladding				
Mono-pitch with eaves at 5.5m and ridge at 6m Roof – Kingspan Topdek KS1000 insulated roof panels PPC aluminium eaves box gutter and downpipe(s) Walls – Kingspan Architectural wall Panel KS 1000 MR (Microrib) – 120mm thick with colour matched flashings to cill, corners, verge and ridge and door openings	1	item	£	61,000.00
Sub-Total Roofing & Cladding				
External Doors				
Vehicle doors – 2 no. Crawford OH1042P insulated panel overhead sectional doors with one horizontal row of glazed vision panels (as per rear of station appliance bay). One number door to incorporate wicket gate door for emergency exit purposes.				
Door 1	1	Item	£	6,813.00
Door 2 - Wicket Door	1	Item	£	6,813.00
Personnel door – 1 no. 1m wide x 2.2m high secure steel personnel door as L20/480A fitted with access control equipment.	1	Item	£	2,200.00
Supply and install push pad and handle	1	item	£	420.00
Supply and install mushroom push button	1	item	£	1,650.00
Sub-Total External Doors				

Floor Finishes

Resin floor finish

Resin flooring to appliance bay; Manufacturer - Flowcrete UK Limited; Product reference - Flowfresh HF; 9mm overall thickness; red/dark grey; primer, base coat, broadcasting and seal coat as manufacturers details; to concrete/screed substrate; including all required applications, accessories, etc. required in order to execute the installation; all in accordance with manufacturers recommendations; refer to M12/110A and all subsequent applicable clauses.

Floors - see 3401, 3402 (for dual colour) and 3403.

level and to falls only not exceeding 15 degrees from horizontal

105 m2 45.50

Perimeter edge detail

edge detail as manufacturers standard details - see M12/410.

44 m 32.50

Movement joints

Movement joints as M12/430 & 440.

1 item 180.00

Items extra over the works

Assumed to be approx 100mm wide for demarcation of bays; *approximate quantity.*

25 m 12.50

Allowance for cutting around all features, restrictions and obstructions as detailed on the general arrangement floor plans.

1 item inc

Provision of all samples to achieve product/specification/colour range sign off by the Architect.

1 item inc

Completion of a sample room of the required floor finish out of sequence for use as a standard benchmark.

1 item 750.00

Preparation of the substrate as per the product manufacturers recommendations prior to the commencement of works.

105 m2 3.50

DPM to seal the substrate.

105 m2 7.00

Supply, installation, maintenance and removal (as an isolation return visit) of fire rated corrugated fire rated plastic sheet material (correx or similar) taped to all surfaces.

105 m2 2.50

Carry out a clean (as per the recommended procedure from the O&M manuals) of the floor after the removal of the protection as prior to hand over.

105 m2 1.75

Allowance for "Magic Man", or similar, visits to site to repair any minor damage to installation.

1 item 300.00

Sub-Total Floor Finishes

Drainage

Heavy duty drainage channels to thresholds

Linear drainage channel; Manufacturer - Gatic or similar approved; Product reference - contractors choice; including all required excavation, disposal, concrete, fittings, fixings, accessories, etc; all in accordance with manufacturers recommendations; refer to drawing 92005-P01 for detail

Channels

channel drain

8

m

£

140.63

channel access unit including rodding points

2

nr

£

343.13

DISPOSAL SYSTEMS - SURFACE WATER DRAINAGE

R12: DRAINAGE BELOW GROUND

Excavating trenches to receive 150mm pipes; disposing of surplus excavated material on site; backfill with site crushed material

Commencing from reduced level

average depth 1750mm - 2000mm

20

m

£

47.77

Disposal

allowance for disposal of surface water

1

Item

£

281.25

Concrete bed and surround; DETR Type 1 granular material or suitable fill material; C20 class Z concrete surround 150mm thick; refer to drawing 92004 P01 for detail

Beds and surrounds

450 x 450mm; 150mm bed; 150mm thick surround to 150mm nominal size pipe

20

m

£

35.09

Vitrified clay pipes and fittings to BS EN 295-1; to be laid in 3m lengths

Pipework in trenches

150mm nominal size

20

m

£

22.50

extra; rocker pipe

2

nr

£

27.56

extra; branch

2

nr

£

64.69

Connection into Manhole

SW05; IL 27.150

1

item

£

1,500.00

Additional drainage run for relocating SPEL tank

average depth 1750mm - 2000mm

5

m

£

47.77

Sub-Total Drainage

External Works

Heavy duty bollards / vehicle barriers to garage door approaches and personnel door.

Supply and install 4nr galvanised bollards

1 item £ 850.00

Sub-Total External Works**M&E**

M&E

Electrical Services

Mechanical Services

Joinery

Allowance for joinery, pattresses and the like

1 item £ 5,000.00

Blockwork

Internal Blockwork

106 m2 £ 44.55

Scaffolding and Edge Protection

Edge Protection to Roof

Internal Scaffolding to Blockwork

44 m £ 20.00
1 item £ 750.00

Design Fees

Ryder
Planning
Curtins

Saving for omission of tarmac

106 m2 £ 32.05

Sub-Total

	Contingency		7.50%	
	OHP (2.6%)			
		Nett Total		

Notes

Please note above is all PROVISIONAL

Total	
£	328.39
	Exc
	Exc
	Exc
	Exc
£	-
£	-
£	-
£	-
	Rate only
	Rate only
	Included
	Included
£	282.00
	Excluded

£	2,811.48
£	812.94
£	371.70
£	630.61
£	59.06
£	384.16
£	118.13
£	500.00
£	11,074.22
	Inc
£	475.20

	Inc
£	1,856.25
£	1,856.36
£	675.00
£	281.25
£	16,330.78
£	-
£	1,378.13
£	1,378.13
£	-
£	-

£	1,004.06
£	2,500.00
£	472.50
£	-
£	-
£	56.25
£	3,712.50

£	56.25
£	1,181.25
£	413.44
£	1,039.50
£	112.50
£	450.00
£	56.81
£	1,830.94
£	643.50
£	-
£	357.72
£	821.70

£	2,953.13
£	2,500.00
£	59,265.83
£	17,150.00
£	2,572.50
£	5,000.00
£	3,430.00
£	28,152.50
£	61,000.00
£	61,000.00
£	6,813.00
£	6,813.00
£	2,200.00
£	420.00
£	1,650.00
£	17,896.00

4,777.50

1,430.00

180.00

312.50

0.00

0.00

750.00

367.50

735.00

262.50

183.75

300.00

£ 9,298.75

£	1,125.00
£	686.25
£	955.40
£	281.25
£	701.78
£	450.00
£	55.13
£	129.38
£	1,500.00
£	238.85
£	6,123.03

£ 850.00
£ 850.00
£ 23,000.00
£ 16,000.00
£ 39,000.00
£ 5,000.00
£ 5,000.00
£ 4,722.30
£ 4,722.30
£ 880.00
£ 750.00
£ 1,630.00
£ 3,920.00
£ 924.00
£ 3,000.00
£ 7,844.00
-£ 3,397.30
£ 237,385.10

£	17,803.88
£	6,634.91
£	261,823.90

Notes & Spec
Additional Garage

This quotation is made on the understanding that these works can be instructed in time to allow the procurement to be completed at the same time as the main works, avoiding therefore any continuity gaps in on site production of trades

Drive through garage
O/A Footprint 7m x 15m
Internal dimensions 6m x 14m (allowance of 750mm for wall construction including steel frame)
Mono-pitch with eaves at 5.5m and ridge at 6m
Concrete raft with 150mm high concrete kicker to base of cladding
Steel portal frame with bracing in the long walls and roof and steel posts to door openings
Sheeting rails to walls and purlins to roof
Walls – Kingspan Architectural wall Panel KS 1000 MR (Microrib) – 120mm thick with colour matched flashings to eill, corners, verge and ridge and door openings
Roof – Kingspan Topdek KS1000 insulated roof panels
PPC aluminium eaves box gutter and downpipe(s)
Vehicle doors – 2 no. Crawford OH1042P insulated panel overhead sectional doors with one horizontal row of glazed vision panels (as per rear of station appliance bay). One number door to incorporate wicket gate door for emergency exit purposes.
Personnel door – 1 no. 1m wide x 2.2m high secure steel personnel door as L20/480A fitted with access control equipment.
Resin floor finish
Heavy duty drainage channels to thresholds
Heavy duty bollards / vehicle barriers to garage door approaches and personnel door.
MEP Services
Electrical
Power Distribution
Lighting & Emergency Lighting
Power / umbilical cord for appliances
Mechanical Supplies
Data / Wi-fi
CCTV (1No)
Fire Detection
Door access control (1No)
Security Alarm
Earthing/Lightning Protection
Test/Commission
Design

Mechanical
External Gas
Internal Gas
Radiant Gas Fired Panel Heaters
Domestic Services
A.G. Drainage
Thermal Insulation
BMS Controls
Test/Commission
Design

